

U. S. DEPARTMENT OF COMMERCE  
DANIEL C. ROPER, Secretary  
BUREAU OF FOREIGN AND DOMESTIC COMMERCE  
ALEXANDER V. DYE, Director

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STATISTICAL ABSTRACT  
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# CONTENTS

|                          | Page  |
|--------------------------|-------|
| Letter of submittal..... | xviii |

## 1. AREA AND POPULATION

### Table

|                                                                                                                                                  |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. Territorial Expansion of the United States: Date and area of accessions.....                                                                  | 1  |
| 2. Area of States and Geographic Divisions.....                                                                                                  | 1  |
| 3. Area and Population, United States: 1790 to 1930.....                                                                                         | 2  |
| 4. Population of United States and Outlying Territories and Possessions: 1910 to 1930.....                                                       | 2  |
| 5. Density of Population: By States, 1800 and 1860 to 1930.....                                                                                  | 3  |
| 6. Population by States: 1790 to 1930.....                                                                                                       | 4  |
| 7. Distribution of Population in Groups of Cities and in Rural Territory.....                                                                    | 6  |
| 8. Population in Places of 8,000 Inhabitants or More.....                                                                                        | 6  |
| 9. Urban and Rural Population: By States.....                                                                                                    | 7  |
| 10. Farm Population and Rural Nonfarm Population: By States.....                                                                                 | 8  |
| 11. Annual Midyear Estimates of Population, by States, 1926 to 1935.....                                                                         | 9  |
| 12. Annual Midyear Estimates of Population: United States, 1850 to 1936, and Territories and Possessions, 1909 to 1936.....                      | 10 |
| 13. Sex Distribution: Totals, 1890 to 1930, and by race, nativity, and parentage, 1910 to 1930.....                                              | 10 |
| 14. Race, Nativity, and Parentage of Population: 1870 to 1930.....                                                                               | 11 |
| 15. Sex Distribution: By race and nativity, by States.....                                                                                       | 12 |
| 16. Race of Population: By States, 1890 to 1930.....                                                                                             | 14 |
| 17. Race, Nativity, and Parentage: By States.....                                                                                                | 16 |
| 18. Race, Nativity, and Parentage: Percentages by States.....                                                                                    | 18 |
| 19. Urban and Rural Population: By race, nativity, and parentage, and by sex and age groups.....                                                 | 19 |
| 20. Cities of 50,000 or More Inhabitants: Population by color, nativity, and parentage, and sex.....                                             | 20 |
| 21. Foreign-born Population: By country of birth, 1880 to 1930.....                                                                              | 26 |
| 22. Foreign-born Whites: By country of birth.....                                                                                                | 27 |
| 23. Foreign-born White Population, Urban and Rural: By country of birth.....                                                                     | 27 |
| 24. Foreign-born Whites: By country of birth, by States.....                                                                                     | 28 |
| 25. Mother Tongue of Foreign-born White Population.....                                                                                          | 32 |
| 26. Citizenship of Foreign-born Whites: By principal countries of birth.....                                                                     | 33 |
| 27. Persons 21 Years of Age and Over, by Sex, Race, Nativity, and Parentage, and Total Males 18 to 44 Years of Age, by States.....               | 34 |
| 28. Age Distribution: By States.....                                                                                                             | 36 |
| 29. Age Distribution: Percentages by States.....                                                                                                 | 38 |
| 30. Age Distribution: Total, 1900 to 1930, and by sex and race, nativity, and parentage, 1930.....                                               | 39 |
| 31. Median Ages: By color, nativity, and sex.....                                                                                                | 40 |
| 32. Population of Alaska, Hawaii, and Puerto Rico: By sex, race, nativity, and age.....                                                          | 40 |
| 33. Illiterate Persons: By geographic divisions, distinguishing urban and rural, and by age groups.....                                          | 41 |
| 34. Illiterate Persons: By States.....                                                                                                           | 42 |
| 35. Percentage of Illiteracy: By States.....                                                                                                     | 43 |
| 36. Marital Condition: By States.....                                                                                                            | 44 |
| 37. Marital Condition: By sex, race, nativity, and parentage.....                                                                                | 46 |
| 38. Marital Condition of Urban and Rural Population.....                                                                                         | 47 |
| 39. Urban and Rural Dwellings and Families.....                                                                                                  | 47 |
| 40. Families: By tenure and average population per family.....                                                                                   | 48 |
| 41. Families: By color and nativity of head, and dwellings by class.....                                                                         | 49 |
| 42. Families: By size, by number of children under 10 years of age, and by number of gainful workers.....                                        | 50 |
| 43. Nonfarm Homes: By value or monthly rental, by color and nativity of head of family.....                                                      | 50 |
| 44. Owned Nonfarm Homes Classified According to Value: By States.....                                                                            | 51 |
| 45. Rented Nonfarm Homes Classified According to Monthly Rental: By States.....                                                                  | 52 |
| 46. Persons Gainfully Occupied: By sex, 1890 to 1930, and by sex and age, 1920 and 1930.....                                                     | 53 |
| 47. Males and Females Gainfully Occupied: By age periods for each principal class of occupation and for each general division of occupation..... | 53 |
| 48. Gainful Workers: By general divisions of occupations and by sex.....                                                                         | 55 |
| 49. Gainful Workers: By occupation and sex.....                                                                                                  | 55 |



| Table                                                                                       | Page |
|---------------------------------------------------------------------------------------------|------|
| 50. Males and Females Gainfully Occupied: By States.....                                    | 65   |
| 51. Gainful Workers: By general divisions of occupations; by sex and by States.....         | 66   |
| 52. Religious Bodies: Churches and members, by denominations.....                           | 68   |
| 53. Religious Bodies: Value of property, expenditures, and Sunday schools and scholars..... | 69   |

## 2. DEFECTIVES AND DELINQUENTS

|                                                                                                                                                          |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 54. Mental Patients, Mental Defectives, and Epileptics in State Institutions and Prisoners in State and Federal Prisons and Reformatories.....           | 70 |
| 55. Movement of Patient Population in Hospitals for Mental Disease and in Institutions for Mental Defectives and Epileptics.....                         | 70 |
| 56. Patients in Hospitals for Mental Disease and in Institutions for Mental Defectives and Epileptics, by States.....                                    | 71 |
| 57. First Admissions to Hospitals for Mental Disease: By psychosis and sex.....                                                                          | 72 |
| 58. Patients with Psychosis in State Hospitals for Mental Disease: Discharges and deaths, by psychosis.....                                              | 72 |
| 59. First Admissions to State Hospitals for Mental Disease, Patients with Psychosis only: By sex, color, nativity, and age.....                          | 73 |
| 60. First Admissions to Institutions for Mental Defectives and Epileptics: By sex, mental status, and type of epilepsy.....                              | 73 |
| 61. State and Federal Prisons and Reformatories: Prisoners received from courts, by classes.....                                                         | 73 |
| 62. State and Federal Prisons and Reformatories, and County and City Jails: Prisoners present January 1, and number received from courts, by States..... | 74 |
| 63. State and Federal Prisons and Reformatories and County and City Jails: Prisoners received from courts, by sex and offense.....                       | 75 |
| 64. County and City Jails: Prisoners discharged, by offense and time served.....                                                                         | 75 |
| 65. Movement of Population in State and Federal Prisons and Reformatories, by Sex.....                                                                   | 76 |
| 66. State and Federal Prisons and Reformatories: Prisoners discharged, by offense, sentence, and time served.....                                        | 76 |
| 67. Juvenile Delinquents in State Institutions: By States.....                                                                                           | 77 |
| 68. Juvenile Delinquents Received from Courts: By offense, sex, and age.....                                                                             | 77 |
| 69. Children Under Institutional Care: By type of care, by States.....                                                                                   | 78 |
| 70. Children Under Institutional Care: By age, sex, type of care, color, and years under care.....                                                       | 78 |
| 71. Children Under Institutional Care: By sex and present whereabouts of father and mother.....                                                          | 79 |
| 72. Blind and Deafmutes: By sex, race, and age.....                                                                                                      | 79 |
| 73. Blind and Deafmutes in the Population: By States.....                                                                                                | 79 |

## 3. VITAL STATISTICS

|                                                                                                    |    |
|----------------------------------------------------------------------------------------------------|----|
| 74. Deaths: Number and rates, 1880 to 1934.....                                                    | 80 |
| 75. Deaths: Rates by sex and age groups, 1901 to 1933.....                                         | 81 |
| 76. Deaths: Rates, 1920 to 1934, by color, distinguishing cities and rural areas.....              | 81 |
| 77. Deaths: Number and rate, by States.....                                                        | 82 |
| 78. Deaths: Number and rates, by important causes.....                                             | 83 |
| 79. Deaths: Rates for each registration city of 100,000 or more inhabitants.....                   | 84 |
| 80. Births, Deaths, and Deaths under 1 year of Age: By sex.....                                    | 85 |
| 81. Number of Births and Excess of Births over Deaths: By States.....                              | 86 |
| 82. Birth and Death Rates: 1920 to 1934.....                                                       | 87 |
| 83. Birth Rates and Excess of Births Over Deaths: By States.....                                   | 87 |
| 84. Births and Stillbirths by Legitimacy: By States.....                                           | 89 |
| 85. Deaths of Infants under 1 Year of Age: Number and rates, by States.....                        | 90 |
| 86. Deaths of Infants under 1 Year of Age: Rates, by principal causes.....                         | 91 |
| 87. Deaths of Infants under 1 Year of Age: Rates, according to age subdivisions.....               | 92 |
| 88. Births and Deaths: Hawaii, Puerto Rico, and Virgin Islands.....                                | 92 |
| 89. Homicides and Suicides: Number and rate in cities having 100,000 population or more.....       | 92 |
| 90. Birth and Death Registration Area: States included with year when each was added.....          | 93 |
| 91. Marriages, Divorces, and Annulments: Number and ratio of divorces to marriages.....            | 93 |
| 92. Marriages, Divorces, and Annulments: Number and ratio of divorces to marriages, by States..... | 94 |

## 4. IMMIGRATION, EMIGRATION, AND NATURALIZATION

|                                                                                                               |    |
|---------------------------------------------------------------------------------------------------------------|----|
| 93. Immigration: 1821 to 1935.....                                                                            | 95 |
| 94. Admissions and Departures of Aliens: 1910 to 1935.....                                                    | 95 |
| 95. Immigrant Aliens Admitted, Debarred, and Deported.....                                                    | 96 |
| 96. Immigrant Aliens Admitted: By occupation, amount of money brought, etc.....                               | 96 |
| 97. Immigrant Aliens Admitted and Emigrant Aliens Departed, by Sex and Age; and Illiteracy of Immigrants..... | 96 |
| 98. Immigration: By countries of last residence, 1841 to 1930.....                                            | 97 |

| Table                                                                                                   | Page |
|---------------------------------------------------------------------------------------------------------|------|
| 99. Immigrant Aliens Admitted and Emigrant Aliens Departed: By country of last or future residence..... | 98   |
| 100. Immigrant Aliens Admitted and Emigrant Aliens Departed: By race or people.....                     | 100  |
| 101. Immigrant Aliens Admitted: Percentages, by race or people.....                                     | 102  |
| 102. Quota and Nonquota Immigrants Admitted: By country of birth.....                                   | 102  |
| 103. Immigration Quotas Allotted and Quota Aliens Admitted: By country or region of birth.....          | 103  |
| 104. Aliens Departed from the United States.....                                                        | 104  |
| 105. Aliens Registered under the Act of March 2, 1920.....                                              | 104  |
| 106. Arrivals and Departures of Aliens and Citizens.....                                                | 105  |
| 107. Arrivals of Passengers from Foreign Countries at the Principal Seaports.....                       | 105  |
| 108. Certificates of Naturalization issued: By States and Insular Areas, and by Sex.....                | 106  |
| 109. Certificates of Naturalization Issued: By countries of former allegiance.....                      | 106  |

## 5. EDUCATION

|                                                                                                                                       |     |
|---------------------------------------------------------------------------------------------------------------------------------------|-----|
| 110. Summary of Public Elementary and Secondary Schools: 1870 to 1934.....                                                            | 107 |
| 111. Elementary, Secondary, Normal School, and College Enrollment and Expenditures: 1900 to 1934.....                                 | 108 |
| 112. Public High Schools and Private High Schools and Academies: 1890 to 1934.....                                                    | 108 |
| 113. Normal Schools and Teachers' Colleges: 1900 to 1934.....                                                                         | 109 |
| 114. Universities, Colleges, and Professional Schools: 1900 to 1934.....                                                              | 110 |
| 115. Public Elementary and Secondary Schools: Number and salary of teachers, by States.....                                           | 111 |
| 116. Elementary and Secondary Schools, Public and Private: Enrollment and attendance, by States.....                                  | 112 |
| 117. Public Elementary and Secondary Schools: Expenditures, by States.....                                                            | 114 |
| 118. Public Elementary and Secondary Schools: White and Negro enrollment in 18 States.....                                            | 115 |
| 119. Public and Private High Schools: Pupils enrolled by States.....                                                                  | 115 |
| 120. School Statistics of Noncontiguous Territories.....                                                                              | 116 |
| 121. Universities, Colleges, and Professional Schools: Libraries and property, by States.....                                         | 117 |
| 122. Universities, Colleges, and Professional Schools: Instructors, students, and income, by States.....                              | 118 |
| 123. Students Enrolled in Professional Schools, Both Independent and University Schools, Including Teacher-Training Institutions..... | 120 |
| 124. Students Enrolled in and Graduating from Curricula Preparatory to Teaching, in All Institutions of Higher Education.....         | 121 |
| 125. Normal Schools and Teachers' Colleges: Teachers and students, by States.....                                                     | 122 |
| 126. Nurse Training, Commercial, Summer, and Reform Schools: By States.....                                                           | 123 |
| 127. Schools for the Blind, the Deaf, and the Mentally Deficient: By States.....                                                      | 124 |
| 128. Schools for the Blind, the Deaf, and the Mentally Deficient: 1922, 1927, and 1932.....                                           | 125 |
| 129. Vocational Education: Teachers and pupils, by class of school.....                                                               | 125 |
| 130. Vocational Education: Pupils enrolled in vocational courses and teacher-training courses, by States.....                         | 126 |
| 131. Vocational Education: Expenditures under the vocational education act.....                                                       | 127 |
| 132. Vocational Rehabilitation of Persons Disabled in Industry or Otherwise.....                                                      | 128 |

## 6. PUBLIC LANDS

|                                                                                                              |     |
|--------------------------------------------------------------------------------------------------------------|-----|
| 133. Original and Perfected Entries of Public and Indian Lands and Area Patented: By classes.....            | 129 |
| 134. Original and Perfected Entries of Public and Indian Lands and Area Patented: By States.....             | 129 |
| 135. Homesteads: Original entries by States, 1921 to 1935, and final entries, entire area, 1863 to 1935..... | 130 |
| 136. Stock-raising Homesteads: Original entries from passage of act to June 30, 1935, by States.....         | 130 |
| 137. Timber and Stone, Coal, Mineral, and Desert-land Entries: By States.....                                | 131 |
| 138. Lands Certified or Patented on Account of Railway and Wagon Road Grants: By States.....                 | 131 |
| 139. Lands Certified or Patented on Account of Railway or Wagon Road Grants: 1850 to 1935.....               | 132 |
| 140. Land Grants to States for Educational and Other Purposes: By States.....                                | 133 |
| 141. Receipts under the Mineral Leasing Act of February 25, 1920.....                                        | 134 |
| 142. Acreage of Public Lands withdrawn from Settlement and Restorations therefrom.....                       | 134 |
| 143. Public Land: Areas unappropriated and unreserved.....                                                   | 135 |
| 144. Area of Indian Reservations and Indian Population.....                                                  | 135 |

## 7. CLIMATE

|                                                                     |     |
|---------------------------------------------------------------------|-----|
| 145. Climatic Conditions: Selected cities in the United States..... | 136 |
|---------------------------------------------------------------------|-----|

## 8. ARMY, NAVY, VETERANS' ADMINISTRATION ACTIVITIES, CIVIL SERVICE, ELECTIONS, ETC.

|                                                                                                         |     |
|---------------------------------------------------------------------------------------------------------|-----|
| 146. Army of the United States: Strength of component parts, 1890 to 1935.....                          | 148 |
| 147. National Guard: Organized strength, by States.....                                                 | 149 |
| 148. Navy, Marine Corps, Naval Reserve, and Marine Corps Reserve: Organized strength, 1905 to 1935..... | 149 |

|                                                                                                                                                                                      | Page |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| Table                                                                                                                                                                                | 149  |
| 149. Navy: Number and displacement of vessels fit for service, 1906 to 1935.....                                                                                                     | 149  |
| 150. Navy: Number and displacement of vessels, by classes, December 31, 1935.....                                                                                                    | 150  |
| 151. American Red Cross: Expenditures and membership.....                                                                                                                            | 150  |
| 152. Disbursements by the Veterans' Administration and Predecessor Organizations.....                                                                                                | 151  |
| 153. Number of Veterans and Deceased Veterans Whose Dependents were Receiving Pensions,<br>Compensation, Disability Allowance, or Emergency Officers' Retirement Pay, 1896 to 1935.. | 152  |
| 154. Pensions, Compensation, Disability Allowance, and Emergency Officers' Retirement Pay:<br>Annual average value of payments.....                                                  | 153  |
| 155. Government Life Insurance: Term and converted insurance awards.....                                                                                                             | 153  |
| 156. Government Life Insurance: Insurance in force and premiums paid.....                                                                                                            | 154  |
| 157. Government Life Insurance: Converted insurance issued and in force, by plan.....                                                                                                | 154  |
| 158. Government Life Insurance Fund: Financial statement.....                                                                                                                        | 154  |
| 159. Adjusted Compensation Awards: Status as of February 29, 1936.....                                                                                                               | 155  |
| 160. United States Veterans Receiving Hospital or Domiciliary Care Authorized by the Veterans'<br>Administration.....                                                                | 155  |
| 161. Retirement of Federal Military Personnel and Other Special Classes of Federal Employees....                                                                                     | 156  |
| 162. Federal Service: Employment and pay rolls.....                                                                                                                                  | 156  |
| 163. Federal Executive Civil Service: Employees.....                                                                                                                                 | 156  |
| 164. Federal Executive Civil Service: Employees by Department or office.....                                                                                                         | 157  |
| 165. Civil Service: Examinations, appointments, and competitive positions, 1885 to 1935.....                                                                                         | 158  |
| 166. Civil Service and Canal Zone Retirement: Summary of operations.....                                                                                                             | 159  |
| 167. Popular Vote for Presidential Electors: By parties, totals, 1888 to 1932, and by States, 1932....                                                                               | 160  |
| 168. Electoral Vote for President: By principal political parties and by States.....                                                                                                 | 161  |
| 169. Congressional Representation: Ratios and apportionment, by States, at each census.....                                                                                          | 162  |
| <b>9. NATIONAL GOVERNMENT FINANCES</b>                                                                                                                                               |      |
| 170. Receipts and Expenditures Chargeable Against Them: By months.....                                                                                                               | 163  |
| 171. Receipts and Expenditures: Summary, 1789 to 1936.....                                                                                                                           | 164  |
| 172. Receipts and Expenditures: By major classifications, 1932 to 1935.....                                                                                                          | 166  |
| 173. Receipts: By sources, 1935.....                                                                                                                                                 | 168  |
| 174. Expenditures: By detailed purposes, 1935.....                                                                                                                                   | 170  |
| 175. Appropriations by the Congress of the United States, 1925 to 1936.....                                                                                                          | 174  |
| 176. Internal Revenue: Amounts collected from principal sources, 1863 to 1936.....                                                                                                   | 175  |
| 177. Internal Revenue: Receipts from each specific source, 1931 to 1935.....                                                                                                         | 176  |
| 178. Internal Revenue: Income tax and miscellaneous internal revenue, by States.....                                                                                                 | 177  |
| 179. Individual and Corporation Income Tax Returns: Summary.....                                                                                                                     | 178  |
| 180. Individual Income Tax Returns: Analysis, 1924 to 1933.....                                                                                                                      | 179  |
| 181. Individual Income Tax Returns: Analysis, by States.....                                                                                                                         | 180  |
| 182. Individual Income Tax Returns: Total income by States, distributed by sources.....                                                                                              | 182  |
| 183. Individual Income Tax Returns: Number, net income, and tax yield, by States.....                                                                                                | 183  |
| 184. Individual Income Tax Returns: Number, net income, tax, and average rate, by income classes..                                                                                   | 184  |
| 185. Individual Income Tax Returns: Analysis, by income classes.....                                                                                                                 | 185  |
| 186. Individual Income Tax Returns: Percentage of total income derived from each source, by in-<br>come classes.....                                                                 | 186  |
| 187. Individual Income Tax Returns: Number and net income, by family relationship.....                                                                                               | 186  |
| 188. Corporation Income Tax Returns: Receipts, deductions, profits, and tax, all corporations....                                                                                    | 186  |
| 189. Corporation Income Tax Returns: Receipts, deductions, profits, and tax, by industrial groups..                                                                                  | 187  |
| 190. Corporation Income Tax Returns: Gross income of corporations by industrial groups.....                                                                                          | 188  |
| 191. Corporation Dividends: By industrial groups.....                                                                                                                                | 189  |
| 192. Assets and Liabilities of Corporations: Summary, 1926 to 1933.....                                                                                                              | 189  |
| 193. Assets and Liabilities of Corporations: By industrial groups.....                                                                                                               | 190  |
| 194. Corporation Income Tax Returns: Number, assets, receipts, and net profit or deficit of cor-<br>porations submitting balance sheets, by total asset classes.....                 | 191  |
| 195. Corporation Income Tax Returns: Analysis, by States.....                                                                                                                        | 192  |
| 196. Corporation Income Tax Returns: Net income and tax yield, by States.....                                                                                                        | 194  |
| 197. Corporation Income Tax Returns: Number, gross and net income, and tax, by industries....                                                                                        | 195  |
| 198. Corporation Income Tax Returns: By industrial groups, 1926 to 1933.....                                                                                                         | 197  |
| 199. Federal Estate Tax Returns: Summary.....                                                                                                                                        | 198  |
| 200. Federal Estate Tax Returns: Distribution by size of net estate.....                                                                                                             | 199  |
| 201. Public Debt: Totals, 1890 to 1936, and by classes, 1917 to 1936.....                                                                                                            | 200  |
| 202. Public Debt: Description of issues outstanding, December 31, 1935.....                                                                                                          | 201  |
| 203. Public Debt: Transactions during 1930 to 1935.....                                                                                                                              | 202  |
| 204. Contingent Liabilities of the United States: Amounts outstanding, December 31, 1934 and 1935..                                                                                  | 202  |
| 205. Indebtedness of Foreign Governments to the United States.....                                                                                                                   | 203  |
| 206. Securities Owned by the United States Government.....                                                                                                                           | 203  |
| 207. Tax Exempt Securities: Estimated amounts outstanding.....                                                                                                                       | 204  |

## 10. STATE AND LOCAL GOVERNMENT FINANCES

| Table                                                                                                    | Page |
|----------------------------------------------------------------------------------------------------------|------|
| 208. Revenues, Expenditures, and Debt: All classes of Government organizations in the United States..... | 205  |
| 209. Revenues and Expenditures of State and Local Governments, by Classes.....                           | 206  |
| 210. State Finances: Revenues and expenditures of all States combined, by principal classes.....         | 208  |
| 211. State Finances: Revenues and expenditures of all States combined, summary, 1915 to 1932.....        | 206  |
| 212. State Finances: Per capita revenues and expenditures of all States combined, 1915 to 1932.....      | 207  |
| 213. Assessed Valuation of Property Subject to General Property Tax: By States.....                      | 207  |
| 214. Local Governments: Revenues and expenditures, by States.....                                        | 208  |
| 215. Taxes: Total levies of ad valorem general property taxes of all civil divisions, by States.....     | 210  |
| 216. State Finances: Revenues and expenditures, by States.....                                           | 211  |
| 217. Public Debt: Gross debt of State and local governments by classes, for each State.....              | 212  |
| 218. Debts of State and Local Governments Combined: By States.....                                       | 213  |
| 219. Debts of Local Governments: Gross debt less sinking-fund assets, by States.....                     | 214  |
| 220. Debts of Local Governments by Classes of Civil Divisions: By States.....                            | 215  |
| 221. State Debts: Gross debt, sinking-fund assets, and debt less sinking-fund assets of all States.....  | 215  |
| 222. Debts of State Governments: Gross debt less sinking-fund assets, by States.....                     | 216  |
| 223. State Debts: Funded, floating, and special-assessment debt by purpose for which incurred.....       | 217  |
| 224. Revenues, Expenditures, and Net Debt of Each City of 100,000 or More Inhabitants.....               | 218  |
| 225. Per Capita Revenues, Expenditures, and Net Debt of Each City of 100,000 or More Inhabitants.....    | 220  |
| 226. Revenues, Expenditures, and Net Debt of All Cities of 100,000 or More Inhabitants.....              | 224  |
| 227. Revenues and Expenditures of All Cities of 100,000 or More Inhabitants: By size groups.....         | 224  |

## 11. MONEY AND BANKING

|                                                                                                       |     |
|-------------------------------------------------------------------------------------------------------|-----|
| 228. Coinage of the United States Mints: 1793 to 1935.....                                            | 225 |
| 229. Money in Circulation, by kinds, 1919 to 1935.....                                                | 225 |
| 230. Money: Stock in the United States, by kinds, 1860 to 1935.....                                   | 226 |
| 231. Money: Stock and amount in Treasury and in circulation, 1800 to 1935.....                        | 227 |
| 232. Federal Reserve Banks: Total and principal assets of all banks and of each bank.....             | 228 |
| 233. Federal Reserve Banks: Principal liabilities of all banks and of each bank.....                  | 229 |
| 234. Federal Reserve Banks: Holdings of United States securities.....                                 | 230 |
| 235. Federal Reserve Banks: Holdings of bills bought.....                                             | 230 |
| 236. Federal Reserve Banks: Holdings of discounted bills, by States.....                              | 231 |
| 237. Federal Reserve Banks: Holdings of discounted bills, by classes.....                             | 231 |
| 238. Federal Reserve Banks: Holdings of discounted bills, by maturities.....                          | 232 |
| 239. Federal Reserve Banks: Discount rates of each bank, January 1, 1929, to December 31, 1935.....   | 232 |
| 240. Federal Reserve Banks: Average annual rate of earnings on bills and securities.....              | 233 |
| 241. Federal Reserve Banks: Volume of operations in principal departments.....                        | 234 |
| 242. Federal Reserve Banks: Operations of branches.....                                               | 234 |
| 243. Federal Reserve Agents' Gold Fund: Summary of transactions.....                                  | 235 |
| 244. Federal Reserve Inter-District Settlement Fund: Transactions through the fund, 1919 to 1935..... | 235 |
| 245. Federal Reserve Inter-District Settlement Fund: Transactions through the fund, by districts..... | 236 |
| 246. Federal Reserve Banks: Profit and loss account.....                                              | 236 |
| 247. Federal Reserve System: Principal assets and liabilities of member banks in leading cities.....  | 237 |
| 248. Federal Reserve System: Principal assets and liabilities of all member banks.....                | 238 |
| 249. Federal Reserve System: Number, capital and surplus, and total assets of member banks.....       | 240 |
| 250. Federal Reserve System: Loans and investments of all member banks, by classes.....               | 240 |
| 251. Federal Reserve System: Earnings, expenses, and dividends of all member banks.....               | 241 |
| 252. All Reporting Banks: Loans, investments, and deposits of member and nonmember banks.....         | 241 |
| 253. All Reporting Banks: Number, assets, capital and surplus, and deposits.....                      | 242 |
| 254. Banks: Number, assets, capital and surplus, and deposits in each class of banks.....             | 242 |
| 255. All Reporting Banks: Assets and liabilities, 1920 to 1935.....                                   | 244 |
| 256. All Active Banks: Principal assets and liabilities, by States, June 30, 1935.....                | 245 |
| 257. All Active Banks: Classification of loans and investments as of June 30, 1935.....               | 246 |
| 258. National Banks: Principal assets and liabilities, June 30, 1935 to 1935.....                     | 246 |
| 259. National Banks: Principal assets and liabilities, December 31, 1920 to 1935.....                 | 247 |
| 260. National Banks: Principal assets and liabilities, by States, December 31, 1935.....              | 248 |
| 261. National Banks: Dividends and net addition to profits, with ratios.....                          | 249 |
| 262. National Banks: Classification of loans and investments.....                                     | 249 |
| 263. Insured and Noninsured Banks: Number and deposits by size of deposits.....                       | 250 |
| 264. Insured and Noninsured Commercial Banks: Number and deposits, by States.....                     | 251 |
| 265. Insured Commercial Banks: Principal assets and liabilities.....                                  | 251 |
| 266. Bank Suspensions, 1921 to 1935.....                                                              | 252 |
| 267. Certain Major Items of Savings of the United States.....                                         | 252 |
| 268. Savings Deposits and Depositors in All Reporting Banks.....                                      | 253 |
| 269. Savings and Other Time Deposits and Depositors in Banks and Trust Companies.....                 | 253 |

| Table                                                                                                                                       | Page |
|---------------------------------------------------------------------------------------------------------------------------------------------|------|
| 270. Savings and Other Time Deposits and Depositors in Banks and Trust Companies: By States.....                                            | 254  |
| 271. Savings Banks: Number of depositors and amount of savings deposits, 1820 to 1910.....                                                  | 255  |
| 272. Mutual Savings Banks: Number of depositors and amount of deposits, by States.....                                                      | 255  |
| 273. Postal Savings: Summary of business since the establishment of the system.....                                                         | 256  |
| 274. Postal Savings: Summary of business, by States.....                                                                                    | 256  |
| 275. Building and Loan Associations: Number, membership, and assets, totals and by States.....                                              | 257  |
| 276. Failures of Building and Loan Associations.....                                                                                        | 258  |
| 277. Federal Home Loan Banks: Principal assets and liabilities.....                                                                         | 258  |
| 278. Federal Home Loan Bank System: Member institutions and institutions insured by the Federal Savings and Loan Insurance Corporation..... | 258  |
| 279. Home Owners' Loan Corporation: Applications for loans and loans closed from date of opening to January 2, 1936.....                    | 259  |
| 280. Farm Credit Administration: Loans and discounts advanced and outstanding, 1917 to 1935....                                             | 260  |
| 281. National Farm Loan Associations and Production Credit Associations: Number of associations as of December 31, 1935.....                | 260  |
| 282. Farm Credit Administration: Loans and discounts outstanding, December 31, 1935, by States.....                                         | 261  |
| 283. Federal Land Banks and Land Bank Commissioner: Number and amount of loans closed during 1934 and 1935.....                             | 262  |
| 284. Federal Land Banks: Principal assets and liabilities.....                                                                              | 263  |
| 285. Federal Farm Mortgage Corporation: Principal assets and liabilities.....                                                               | 263  |
| 286. Joint Stock Land Banks: Principal assets and liabilities.....                                                                          | 263  |
| 287. Joint Stock Land Banks: Farm-mortgage loans closed and outstanding, 1917 to 1935.....                                                  | 264  |
| 288. Joint Stock Land Banks: Number and amount of loans outstanding, by States, December 31, 1935.....                                      | 264  |
| 289. Banks for Cooperatives: Advances made during 1935 and loans outstanding December 31, 1935.....                                         | 264  |
| 290. Federal Intermediate Credit Banks: Principal assets and liabilities.....                                                               | 265  |
| 291. Federal Intermediate Credit Banks: Classification of loans and discounts outstanding.....                                              | 265  |
| 292. Reconstruction Finance Corporation: Loans, subscriptions, purchases, and allocations.....                                              | 266  |
| 293. Government Corporations and Credit Agencies of the United States: Assets and liabilities.....                                          | 267  |
| 294. Clearing House Exchanges: Summary for United States, 1882 to 1935.....                                                                 | 268  |
| 295. Debits to Individual Accounts in 141 Principal Cities: By districts and by months.....                                                 | 269  |
| 296. Debits to Individual Accounts in Each of 141 Principal Cities.....                                                                     | 270  |

## 12. NATIONAL WEALTH AND INCOME

|                                                                                                |     |
|------------------------------------------------------------------------------------------------|-----|
| 297. National Wealth, Estimates: Total, 1850 to 1922, and by classes, 1900 to 1922.....        | 272 |
| 298. Wealth: Estimated value of all tangible property in each State, total and per capita..... | 273 |
| 299. National Income Produced and Paid Out.....                                                | 274 |
| 300. National Income Paid Out, by Types of Payment.....                                        | 274 |
| 301. National Income Produced: By industrial divisions.....                                    | 274 |
| 302. National Income Paid Out: By industrial divisions.....                                    | 275 |
| 303. Long-term Debt, Public and Private: Estimated amounts outstanding, by classes.....        | 275 |

## 13. BUSINESS FINANCE

|                                                                                                                                                                               |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 304. Exchange Rates in New York for Cable Transfers on Principal Financial Centers.....                                                                                       | 276 |
| 305. Exchange Rates in New York for Cable Transfers on Principal Financial Centers: By months.....                                                                            | 277 |
| 306. Interest Rates: Call money, time loans, and acceptances, New York, by quarters or months....                                                                             | 278 |
| 307. Interest Rates: Call money, time loans, and acceptances, New York, by weeks.....                                                                                         | 279 |
| 308. Fire and Marine Insurance Business: Major statistical items.....                                                                                                         | 280 |
| 309. Fire and Lightning Insurance Business: Detailed statistics.....                                                                                                          | 281 |
| 310. Fire Losses: Estimated United States total and total for reporting cities.....                                                                                           | 281 |
| 311. Life Insurance: Summary of financial condition and policy account.....                                                                                                   | 282 |
| 312. Life Insurance: Detailed financial condition and business transacted.....                                                                                                | 282 |
| 313. Life Insurance Issued and Terminated: All companies of the United States.....                                                                                            | 284 |
| 314. Life Insurance: Operations of all companies of the United States since organization.....                                                                                 | 284 |
| 315. Life Insurance: Ordinary and industrial insurance written and in force, by States.....                                                                                   | 285 |
| 316. Life Insurance: Summary of financial condition, policy accounts, and insurance terminated, companies reporting to New York insurance department.....                     | 286 |
| 317. Life Insurance of Fraternal Orders.....                                                                                                                                  | 286 |
| 318. Mutual Accident and Sick Benefit Associations: Financial condition and business.....                                                                                     | 287 |
| 319. Casualty, Surety, and Miscellaneous Insurance: Financial condition and business.....                                                                                     | 287 |
| 320. Casualty, Surety, and Miscellaneous Insurance Companies: Premiums and losses, by classes....                                                                             | 288 |
| 321. Commodity Exchange Transactions: Volume of trading in principal grain futures and amount of Federal taxes collected on sales of all commodities for future delivery..... | 288 |
| 322. Sales of Stocks and Bonds on All Registered Exchanges.....                                                                                                               | 289 |
| 323. Volume of Sales on New York Stock Exchange.....                                                                                                                          | 289 |
| 324. Brokers' Loans Outstanding.....                                                                                                                                          | 289 |

| Table                                                                                               | Page |
|-----------------------------------------------------------------------------------------------------|------|
| 325. New York Times Average Prices of Stocks.....                                                   | 290  |
| 326. Average Prices of Stocks and Bonds, by Classes.....                                            | 290  |
| 327. Value of Securities Listed on the New York Stock Exchange.....                                 | 291  |
| 328. Cash Dividend Payments on 600 Common Stocks.....                                               | 291  |
| 329. Stock and Bond Yields: Percent.....                                                            | 291  |
| 330. Net Profits of Corporations.....                                                               | 292  |
| 331. Capital Issues: Summary, by classes.....                                                       | 292  |
| 332. Capital Issues: Corporate, foreign government, farm loan, and State and municipal.....         | 293  |
| 333. Foreign Capital Issues (Governmental and Corporate) Publicly Offered in the United States..... | 294  |
| 334. Commercial Failures: 1857 to 1935.....                                                         | 294  |
| 335. Commercial Failures: Number and liabilities, by months.....                                    | 295  |
| 336. Commercial Failures: Number and liabilities, by States.....                                    | 295  |
| 337. Commercial Failures, by Industrial Groups, by States.....                                      | 296  |
| 338. Commercial Failures: By industrial groups and industries.....                                  | 297  |

#### 14. PRICES

|                                                                                                                                |     |
|--------------------------------------------------------------------------------------------------------------------------------|-----|
| 339. Wholesale, Retail, and Farm Prices: Index numbers, monthly.....                                                           | 298 |
| 340. Wholesale Prices by Commodity Groups: Index numbers.....                                                                  | 299 |
| 341. Wholesale Prices: Index numbers, 1880 to 1889.....                                                                        | 300 |
| 342. Wholesale Prices by Commodity Subgroups: Index numbers.....                                                               | 300 |
| 343. Wholesale Prices of Leading Commodities.....                                                                              | 301 |
| 344. Wholesale Price Indexes: All commodities and special groups of commodities.....                                           | 304 |
| 345. Cost of Goods Purchased by Wage Earners and Lower-salaried Workers in the United States:<br>Index numbers, by groups..... | 304 |
| 346. Cost of Goods Purchased by Wage Earners and Lower-salaried Workers in Principal Cities:<br>Index numbers.....             | 305 |
| 347. Retail Costs of All Foods: Index numbers.....                                                                             | 306 |
| 348. Retail Costs of All Foods, by Regions: Index numbers.....                                                                 | 306 |
| 349. Retail Costs of All Foods, by Commodity Groups: Index numbers.....                                                        | 307 |
| 350. Retail Prices of Principal Individual Articles of Food.....                                                               | 308 |
| 351. Annual Average Unit Values of Important Articles Exported.....                                                            | 309 |
| 352. Annual Average Unit Values of Important Articles Imported.....                                                            | 310 |

#### 15. WAGES, HOURS OF LABOR, AND EMPLOYMENT

|                                                                                                                                                                                                 |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 353. Index Numbers of Earnings per Hour.....                                                                                                                                                    | 312 |
| 354. Index Numbers of Earnings per Hour, Cost of Living, and Real Earnings.....                                                                                                                 | 312 |
| 355. Average Hours and Earnings in Specified Manufacturing Industries.....                                                                                                                      | 313 |
| 356. Average Hours Actually Worked in One Week and Average Earnings per Hour in Sundry<br>Industries.....                                                                                       | 321 |
| 357. Average Full-time Hours of Labor per Week and Average Earnings per Hour in Mining Indus-<br>tries.....                                                                                     | 321 |
| 358. Average Hourly Wage Rates Paid Common Labor, Specified Industries.....                                                                                                                     | 322 |
| 359. Wage Rates of Common Labor in Road Building.....                                                                                                                                           | 322 |
| 360. Indexes of Employment and Pay rolls in Manufacturing Industries: Revised series.....                                                                                                       | 323 |
| 361. Indexes of Employment in Manufacturing Industries: Adjusted for seasonal variations.....                                                                                                   | 323 |
| 362. Indexes of Employment and Pay Rolls in Manufacturing Industries: By Durable- and non-<br>durable-goods groups.....                                                                         | 324 |
| 363. Indexes of Employment and Pay rolls in Manufacturing Establishments: By industrial groups.....                                                                                             | 325 |
| 364. Indexes of Employment and Pay rolls in Manufacturing Establishments: By industrial groups<br>and industries.....                                                                           | 326 |
| 365. Indexes of Factory Employment and Pay rolls in Specified States.....                                                                                                                       | 328 |
| 366. Weekly Earnings of Factory Labor in Specified States.....                                                                                                                                  | 329 |
| 367. Average Weekly and Hourly Earnings in Manufacturing Industries.....                                                                                                                        | 329 |
| 368. Indexes of Employment and Pay Rolls in Nonmanufacturing Industries and Business.....                                                                                                       | 330 |
| 369. Union Wage Rates per Hour and Hours per Week in Specified Trades.....                                                                                                                      | 331 |
| 370. Strikes: Number of strikes, number of workers involved, and man-days idle.....                                                                                                             | 332 |
| 371. Employment and Pay Rolls on Projects Financed from Public Works Administration Funds.....                                                                                                  | 333 |
| 372. Employment and Pay Rolls on Projects Financed by the Works Program.....                                                                                                                    | 333 |
| 373. Unemployment Relief: Families and single persons receiving relief and obligations incurred for<br>relief from public funds as reported to the Federal Emergency Relief Administration..... | 334 |
| 374. Unemployment Relief: Persons receiving relief and obligations incurred for relief from public<br>funds as reported to the Federal Emergency Relief Administration, by States.....          | 335 |
| 375. Emergency Conservation Work: Enrolled strength of the Civilian Conservation Corps and<br>amount expended or obligated.....                                                                 | 335 |
| 376. Activities of Offices of the State Employment Service and the National Employment Service....                                                                                              | 336 |

| 16. POSTAL SERVICE                                                                                                                                              |  | Page |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------|
| Table                                                                                                                                                           |  |      |
| 377. Statistical Summary of the Postal Service: 1800 to 1935.....                                                                                               |  | 337  |
| 378. Revenues, Postal Service: By principal items.....                                                                                                          |  | 338  |
| 379. Postal Money-order Business.....                                                                                                                           |  | 338  |
| 380. Expenditures, Postal Service: By principal items.....                                                                                                      |  | 339  |
| 381. Transportation of Domestic Mails, and Number and Salaries of Railway Mail Employees.....                                                                   |  | 339  |
| 382. City and Rural Free Delivery and Star Route Service.....                                                                                                   |  | 340  |
| 383. Postal Service: Volume of transactions in stamped paper and of mail carried, by classes.....                                                               |  | 340  |
| 384. Postal Service: Number of offices, mileage of rural free delivery, and gross receipts, by States.....                                                      |  | 341  |
| 17. TELEPHONE, TELEGRAPH, CABLE AND RADIOTELEGRAPH SYSTEMS                                                                                                      |  |      |
| 385. Telephone Systems: Equipment, traffic, employees, wages, revenue, and investment.....                                                                      |  | 342  |
| 386. Telephone Systems: Miles of wire and number of calls and telephones, by States.....                                                                        |  | 343  |
| 387. Telephone Systems: Number of telephones and miles of wire, 1895 to 1935.....                                                                               |  | 344  |
| 388. American Telephone & Telegraph Co. and Associated Companies: Summary of statistics.....                                                                    |  | 344  |
| 389. Telephone Systems: Reports to Interstate Commerce Commission and the Federal Communications Commission.....                                                |  | 346  |
| 390. Radiotelegraph Carriers: Reports to the Federal Communications Commission.....                                                                             |  | 346  |
| 391. Telegraph and Cable Systems: Reports to Interstate Commerce Commission and the Federal Communications Commission.....                                      |  | 346  |
| 392. Land and Ocean-cable Telegraph Systems Combined: Equipment, traffic, employees, and finances.....                                                          |  | 346  |
| 393. Land and Ocean-cable Telegraph Systems: Equipment, traffic, employees, and finances.....                                                                   |  | 347  |
| 394. Western Union Telegraph Co.: Mileage of lines and wires, number of offices, and finances.....                                                              |  | 347  |
| 18. POWER—ELECTRIC AND OTHER                                                                                                                                    |  |      |
| 395. Annual Supply of Energy from Mineral Fuels and Water Power in the United States.....                                                                       |  | 348  |
| 396. Electricity Produced and Consumption of Fuel by Public Utility Power Plants.....                                                                           |  | 348  |
| 397. Production of Electric Power by Public Utility Power Plants, by States.....                                                                                |  | 349  |
| 398. Central Electric Stations: Statistics of commercial and municipal stations, by States.....                                                                 |  | 350  |
| 399. Central Electric Stations: Summary of statistics for all stations combined.....                                                                            |  | 352  |
| 400. Central Electric Stations: Summary of statistics for commercial and municipal stations.....                                                                |  | 352  |
| 401. Central Electric Stations: Financial statistics.....                                                                                                       |  | 353  |
| 402. Electric Light and Power Industry: Reports to the Edison Electric Institute.....                                                                           |  | 353  |
| 403. Central Electric Stations: Commercial and municipal establishments; number of customers, current sold, and revenue, by class of service.....               |  | 354  |
| 404. Total Net Monthly Price of Specified Amounts of Electricity: By cities.....                                                                                |  | 354  |
| 405. Developed and Potential Water Power of the United States.....                                                                                              |  | 356  |
| 19. PUBLIC ROADS AND MOTOR VEHICLES                                                                                                                             |  |      |
| 406. Rural Highways: Summary of statistics, 1921 to 1934.....                                                                                                   |  | 357  |
| 407. Rural Highways: Mileage December 31, 1914 to 1930, by States.....                                                                                          |  | 358  |
| 408. State Highway Systems: Rural roads and municipal streets connecting highways as of December 31, 1934, and rural mileage surfaced during 1933 and 1934..... |  | 359  |
| 409. State Highways: Disbursements 1921 to 1934, by States.....                                                                                                 |  | 360  |
| 410. State Highways: Funds available and distribution of expenditures.....                                                                                      |  | 361  |
| 411. Federal Aid and Public Works Road Construction: Status as of December 31, 1935.....                                                                        |  | 362  |
| 412. Production and Registration of Motor Vehicles: 1900 to 1935.....                                                                                           |  | 363  |
| 413. Factory Sales of Passenger Cars, by Wholesale Price Classes, and Percentage of closed cars.....                                                            |  | 363  |
| 414. Production of Motor Vehicles: By months.....                                                                                                               |  | 364  |
| 415. State Gasoline Taxes: Gross receipts and tax.....                                                                                                          |  | 364  |
| 416. Motor Vehicle Registration: By States.....                                                                                                                 |  | 365  |
| 417. Registrations of and Revenues from Motor Vehicles: By States.....                                                                                          |  | 366  |
| 418. Automobile Fatalities: Number and death rate in entire registration area, 1911 to 1934.....                                                                |  | 367  |
| 419. Automobile Fatalities: Number and death rate in registration States and cities.....                                                                        |  | 368  |
| 20. TRANSPORTATION, AIR AND LAND—STEAM AND ELECTRIC RAILWAYS, EXPRESS COMPANIES, MOTOR BUSES, AND CIVIL AERONAUTICS                                             |  |      |
| 420. Railway Mileage Owned and Mileage Operated: By classes of track, 1890 to 1935.....                                                                         |  | 370  |
| 421. Railway Mileage Owned: By States.....                                                                                                                      |  | 371  |
| 422. Railway Mileage Owned and Operated: Total, 1842 to 1935.....                                                                                               |  | 372  |
| 423. Mileage Operated and Equipment: By districts.....                                                                                                          |  | 372  |
| 424. Mileage of Road and Tracks Operated: By districts.....                                                                                                     |  | 373  |
| 425. Railway Equipment Installed and Retired from Service.....                                                                                                  |  | 373  |
| 426. Railway Equipment in Service, All Reporting Companies.....                                                                                                 |  | 374  |
| 427. Classification of Railway Cars in Service.....                                                                                                             |  | 374  |
| 428. Railway Employees: Number and compensation.....                                                                                                            |  | 375  |

| Table                                                                                                                             | Page |
|-----------------------------------------------------------------------------------------------------------------------------------|------|
| 429. Railway Employees: Number and compensation, by districts and classes.....                                                    | 375  |
| 430. Receiverships of Railways.....                                                                                               | 376  |
| 431. Capitalization of Railroads.....                                                                                             | 377  |
| 432. Railway Stock Outstanding, Dividends, and Interest.....                                                                      | 377  |
| 433. Railway Securities Outstanding: By districts and classes of securities.....                                                  | 378  |
| 434. Property Investment, Income, Interest, and Dividends: Operating railroads.....                                               | 378  |
| 435. Freight Traffic: Train and car movement.....                                                                                 | 379  |
| 436. Freight Traffic: Tonnage and revenue.....                                                                                    | 380  |
| 437. Revenue and Traffic Statistics: By years and months.....                                                                     | 381  |
| 438. Passenger Traffic: Passengers carried and passenger revenue.....                                                             | 382  |
| 439. Revenue, Expenses, and Income of Operating Companies with Averages Per Mile of Line.....                                     | 383  |
| 440. Income Account: Totals, and by districts.....                                                                                | 384  |
| 441. Taxes and Special Assessments on Railways: By States.....                                                                    | 385  |
| 442. Revenue Freight Carried: By commodity groups.....                                                                            | 386  |
| 443. Revenue Freight Carried: By principal commodities.....                                                                       | 387  |
| 444. Car Loadings: All commodities and commodity groups, by months.....                                                           | 390  |
| 445. Steam Railway Accidents, by Causes.....                                                                                      | 391  |
| 446. Persons Killed and Injured in Railway Accidents.....                                                                         | 392  |
| 447. Consumption of Fuel, and Replacements of Rails and Ties.....                                                                 | 392  |
| 448. Express Companies: Income account.....                                                                                       | 393  |
| 449. The Pullman Co.: Abstract of operations.....                                                                                 | 393  |
| 450. The Alaska Railroad: Passenger and freight service.....                                                                      | 394  |
| 451. Electric Railways: Summary of operations.....                                                                                | 394  |
| 452. Electric Railways: Mileage, equipment, output of electricity, traffic, employees, and wages.....                             | 395  |
| 453. Electric Railways: Mileage, traffic, and revenue, by States.....                                                             | 396  |
| 454. Electric Railways: Income account of operating companies.....                                                                | 398  |
| 455. Electric Railways: Receiverships.....                                                                                        | 398  |
| 456. Electric Railways: Comparative statistics of elevated and subway lines.....                                                  | 399  |
| 457. Electric Railways: Mileage of elevated and subway and tunnel track, by States.....                                           | 399  |
| 458. Electric Railways: Finances of elevated and subway lines.....                                                                | 399  |
| 459. Motor Bus Operations: Summary of statistics for lines operated by electric railways, subsidiary and successor companies..... | 400  |
| 460. Motor Bus Industry: Statistics of public and private carriers.....                                                           | 401  |
| 461. Civil Aeronautics: Summary of statistics.....                                                                                | 402  |

## 21. WATERWAYS, WATER TRAFFIC, AND SHIPPING

|                                                                                                                                                      |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 462. Cargo Tonnage of Water-borne Commerce of the United States: Aggregates.....                                                                     | 403 |
| 463. Commerce of Principal United States Ocean Ports.....                                                                                            | 404 |
| 464. Great Lakes: Commerce of the principal ports.....                                                                                               | 405 |
| 465. New York State Canals: Tonnage of freight moved.....                                                                                            | 405 |
| 466. St. Mary's Falls Canal: General traffic statistics.....                                                                                         | 406 |
| 467. Ohio River Traffic: Tonnage, ton-mileage, and value of freight.....                                                                             | 406 |
| 468. Lower Mississippi River Traffic: Freight, by sections.....                                                                                      | 407 |
| 469. Merchant Marine: Number and tonnage of vessels, by class and utilization, 1789 to 1935, and by location, power, and material, 1910 to 1935..... | 408 |
| 470. Shipbuilding: Number and tonnage of vessels built, 1797 to 1935.....                                                                            | 409 |
| 471. Shipbuilding: Number and tonnage of vessels built, by class and section where built.....                                                        | 409 |
| 472. Merchant Vessels Launched: World total and United States.....                                                                                   | 410 |
| 473. Merchant Marine of the World and the United States.....                                                                                         | 410 |
| 474. Commercial Traffic Through the Panama Canal: By nationality of vessel.....                                                                      | 411 |
| 475. Commercial Traffic Through the Panama Canal: Summary, by direction.....                                                                         | 411 |
| 476. Panama Canal: Revenues, expenses, and computed surplus.....                                                                                     | 412 |
| 477. Marine Wrecks and Casualties Occurring to Vessels of the United States.....                                                                     | 412 |
| 478. Vessels Controlled by Shipping Board Merchant Fleet Corporation.....                                                                            | 413 |
| 479. Tonnage of Water-borne Commerce, Including Foreign and Intercoastal Traffic and Commerce of Noncontiguous Territories.....                      | 413 |
| 480. Tonnage of Water-borne Imports and Exports: By coastal districts and flag of carrier vessel.....                                                | 414 |
| 481. Tonnage of Water-borne Imports and Exports: By individual countries.....                                                                        | 415 |
| 482. Tonnage of Water-borne Imports and Exports: By States and ports.....                                                                            | 417 |
| 483. Tonnage of Water-borne Imports and Exports: By major commodities and coastal districts.....                                                     | 419 |
| 484. Vessels Entered and Cleared: 1840 to 1935.....                                                                                                  | 420 |
| 485. Vessels Entered and Cleared: By customs districts and groups of ports.....                                                                      | 421 |
| 486. Vessels Entered at all Ports, Seaports, and Northern Border Ports: By classes.....                                                              | 422 |
| 487. Vessels Cleared at all Ports, Seaports, and Northern Border Ports: By classes.....                                                              | 423 |
| 488. Vessels Entered and Cleared at Seaports: By countries of origin and destination.....                                                            | 424 |
| 489. Vessels Entered and Cleared at Seaports: By nationality of vessel.....                                                                          | 425 |
| 490. Exports and Imports of Merchandise: By method of carriage, 1830 to 1935.....                                                                    | 426 |



## 22. FOREIGN COMMERCE

| Table                                                                                                                                                      | Page |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 491. Summary of Foreign Trade: 1921 to 1935.....                                                                                                           | 427  |
| 492. Production of Exportable Goods and Proportion Exported.....                                                                                           | 428  |
| 493. Exports of Manufactured Goods in Relation to Total Production.....                                                                                    | 428  |
| 494. Merchandise Trade of Continental United States with Foreign Countries and with Outlying Territories and Possessions.....                              | 429  |
| 495. Gold under Earmark for Foreign Account in the United States.....                                                                                      | 429  |
| 496. United States Balance of International Payments.....                                                                                                  | 430  |
| 497. Exports and Imports of Gold: By months.....                                                                                                           | 430  |
| 498. Exports and Imports of Silver: By months.....                                                                                                         | 431  |
| 499. Exports and Imports of Merchandise: By months.....                                                                                                    | 431  |
| 500. Exports and Imports of Merchandise with Trade Balances: 1791 to 1935.....                                                                             | 432  |
| 501. Exports and Imports of Gold, Silver, and Merchandise, with Balances: 1821 to 1935.....                                                                | 433  |
| 502. Supplement to Tables 500 and 501: Calendar years 1900 to 1915 and fiscal years 1921 to 1935.....                                                      | 434  |
| 503. Merchandise Exports and Imports with Trade Balances: Individual years, 1790 to 1890.....                                                              | 435  |
| 504. Per Capita Exports and Imports: 1791 to 1935.....                                                                                                     | 435  |
| 505. Imports Entered for Consumption and Duties Thereon: 1821 to 1935.....                                                                                 | 436  |
| 506. Indexes of changes in Quantity, Unit Value (Price), and Total Value of Exports of United States Merchandise, and of Imports: By Economic Classes..... | 437  |
| 507. Exports and Imports of Merchandise: By economic classes, 1821 to 1935.....                                                                            | 438  |
| 508. Imports, Free and Dutiable, and Per Cent Free: By economic classes, 1821 to 1935.....                                                                 | 440  |
| 509. Percentage Distribution of Exports and Imports: By economic classes, 1821 to 1935.....                                                                | 442  |
| 510. Foreign Trade with Each Continent: By economic classes.....                                                                                           | 443  |
| 511. Per Cent Each Continent Furnishes of Total Trade in Each Economic Class.....                                                                          | 444  |
| 512. Per Cent Each Economic Class Forms of Total Trade with Each Continent.....                                                                            | 444  |
| 513. Percentage Distribution of Exports and Imports: By continents, 1821 to 1935.....                                                                      | 445  |
| 514. Exports and Imports Distributed by Continents: 1821 to 1935.....                                                                                      | 446  |
| 515. Exports and Imports of Merchandise: By continents, commercial regions, and countries.....                                                             | 448  |
| 516. Free and Dutiable Imports: By principal countries.....                                                                                                | 454  |
| 517. Exports and Imports of Merchandise and Duties Collected: By customs districts.....                                                                    | 455  |
| 518. Exports and Imports of Merchandise: By groups of customs districts, 1890 to 1935.....                                                                 | 456  |
| 519. Exports and Imports of Merchandise: By principal customs districts, 1890 to 1935.....                                                                 | 457  |
| 520. Imported Dutiable Merchandise Entered for Consumption: Total values, duties collected, and average rate of duty, by tariff schedules.....             | 459  |
| 521. Principal Articles of United States Merchandise Exported: 1821 to 1935.....                                                                           | 462  |
| 522. Imports of Principal Commodities: 1821 to 1935.....                                                                                                   | 464  |
| 523. Exports of United States Merchandise: By commodity groups and articles.....                                                                           | 466  |
| 524. Imports of Merchandise: By commodity groups and articles.....                                                                                         | 513  |
| 525. In Transit and Transshipment Trade: By continents and principal countries.....                                                                        | 551  |
| 526. Customs District Through Which in Transit and Transshipment Trade is Shipped.....                                                                     | 551  |

## 23. COMMERCE OF NONCONTIGUOUS TERRITORY

|                                                                                                                                                    |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 527. Imports and Exports of Merchandise into and from Alaska: Total values.....                                                                    | 552 |
| 528. Imports and Exports of Merchandise into and from Puerto Rico: Total values.....                                                               | 553 |
| 529. Imports and Exports of Merchandise into and from Hawaii: Total values.....                                                                    | 553 |
| 530. Imports and Exports of Merchandise into and from the Philippine Islands: Total values.....                                                    | 554 |
| 531. Imports and Exports of Merchandise into and from American Samoa: Total values.....                                                            | 554 |
| 532. Imports and Exports of Merchandise into and from the Virgin Islands: Total values.....                                                        | 555 |
| 533. Imports and Exports of Merchandise into and from Guam: Total values.....                                                                      | 555 |
| 534. Shipments of Principal Products to the United States from Alaska, Hawaii, Puerto Rico, and the Philippine Islands: Quantities and values..... | 556 |
| 535. Shipments of Principal Articles from the United States to Alaska, Hawaii, Puerto Rico, and the Philippine Islands.....                        | 557 |

## 24. IRRIGATION AND DRAINAGE

|                                                                                                                                                                    |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 536. Government Irrigation Projects: Consolidated financial statement.....                                                                                         | 559 |
| 537. Government Irrigation Projects: Construction cost, other reimbursable cost, and amount to be repaid by water users to June 30, 1935.....                      | 560 |
| 538. Government Irrigation Projects: Accounts receivable, construction water-right charges, operation and maintenance charges, and rental of irrigation water..... | 561 |
| 539. Government Irrigation: Acreage and value of crops, by projects.....                                                                                           | 562 |
| 540. Government Irrigation: Acreage and value of all crops, 1921 to 1935, and acreage, production, and value of specified crops, 1934 and 1935.....                | 563 |
| 541. Irrigation: Summary for the 19 irrigation States.....                                                                                                         | 564 |
| 542. Irrigation: Area and investment in enterprises, by character of enterprise.....                                                                               | 564 |
| 543. Irrigation: Area and investment in enterprises and cost of maintenance and operation, by States.....                                                          | 565 |

| Table                                                                                                          | Page |
|----------------------------------------------------------------------------------------------------------------|------|
| 544. Irrigation: Area and investment in enterprises, by drainage basins.....                                   | 566  |
| 545. Irrigation: Acreage and value of all crops and of irrigated crops, by States.....                         | 566  |
| 546. Irrigation: Acreage, production, and value of irrigated crops harvested.....                              | 567  |
| 547. Drainage: Summary for the United States.....                                                              | 568  |
| 548. Drainage Enterprises: Land in enterprises and capital invested by character and date of organization..... | 568  |
| 549. Drainage Enterprises: By States.....                                                                      | 569  |

## 25. FARMS—GENERAL STATISTICS

|                                                                                                                                                                                     |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 550. Population, Farms, and Farm Property: 1880, and 1900 to 1935.....                                                                                                              | 570 |
| 551. Average Values per Farm and per Acre: By States.....                                                                                                                           | 571 |
| 552. Number and Acreage of Farms: By States.....                                                                                                                                    | 572 |
| 553. Classification of Farm Lands: By States.....                                                                                                                                   | 574 |
| 554. Value of Farm Property: By classes and by States.....                                                                                                                          | 576 |
| 555. Number of Farms by Size: Totals, 1900 to 1930, and by States, 1930.....                                                                                                        | 578 |
| 556. Number and Acreage of Farms: By color and tenure of operator.....                                                                                                              | 579 |
| 557. Number of Farms by Tenure of Operator: By States.....                                                                                                                          | 580 |
| 558. Farm Acreage: All land in farms, by tenure of operator, by States.....                                                                                                         | 581 |
| 559. Farm Acreage: Crop land according to use, by tenure of operator, by States.....                                                                                                | 582 |
| 560. Percentage of Farms and Farm Land Operated by Tenants: By States.....                                                                                                          | 583 |
| 561. Value of Land and Buildings with Average Value per Farm: By tenure of operator, by States.....                                                                                 | 584 |
| 562. Number of Farms, Land in Farms, and Value of Land and Buildings: By color of operator for the North and West and by color and tenure of operator for the South, by States..... | 585 |
| 563. Mortgage Status of Farms: By States.....                                                                                                                                       | 588 |
| 564. Mortgage Debt of Farms: By States.....                                                                                                                                         | 589 |
| 565. Mortgage Status of Farms Owned by the Operator.....                                                                                                                            | 590 |
| 566. Farm Operators Working for Pay or Income not Connected with Their Farm: By States.....                                                                                         | 590 |
| 567. Farm Housing, Population, and Labor: By States.....                                                                                                                            | 591 |
| 568. Farm Expenditures for Labor, Fertilizer, Feed, Machinery, and Power: By States.....                                                                                            | 592 |
| 569. Farm Taxes: By States.....                                                                                                                                                     | 594 |
| 570. Average Farm Wage Rates and Index Numbers of Farm Wages.....                                                                                                                   | 595 |
| 571. Farm Machinery and Facilities: By States.....                                                                                                                                  | 596 |
| 572. Fertilizer Sales: By States.....                                                                                                                                               | 598 |
| 573. Cooperative Marketing and Purchasing through Farmers' Organizations: By States.....                                                                                            | 599 |
| 574. Farmers' Business Associations: Number of associations and estimated membership and business.....                                                                              | 600 |

## 26. FARM PRODUCTION AND RELATED STATISTICS

|                                                                                                                                    |     |
|------------------------------------------------------------------------------------------------------------------------------------|-----|
| 575. Estimated Gross Income from Farm Production, 1909 to 1935.....                                                                | 601 |
| 576. Estimated Gross Income from Farm Production: By groups of commodities.....                                                    | 601 |
| 577. Estimated Farm Value of Products and Gross and Cash Income: By products.....                                                  | 602 |
| 578. Estimated Gross and Cash Income from Farm Production: By States.....                                                          | 603 |
| 579. Estimated Cash Income, Production Expenses, and Cash Available after Deducting Production Expenses.....                       | 604 |
| 580. Estimated Gross Income, Deductions from Gross Income, and Income Available for Operators' Capital, Labor, and Management..... | 604 |
| 581. Indexes of the Volume of Net Agricultural Production.....                                                                     | 605 |
| 582. Index Numbers of Farm and Wholesale Prices of Agricultural Products: By groups.....                                           | 605 |
| 583. Index Numbers of Prices Received and Paid by Farmers and of Wholesale Prices.....                                             | 606 |
| 584. Agricultural Exports: Value by principal products or groups, 1910 to 1935.....                                                | 606 |
| 585. Agricultural Exports: Value by major groups, 1910 to 1935.....                                                                | 607 |
| 586. Value of Agricultural Imports: By major groups.....                                                                           | 607 |
| 587. Agricultural Export Indexes: Quantity and value.....                                                                          | 607 |
| 588. Agricultural Export Indexes: By groups of products.....                                                                       | 608 |
| 589. Foreign Trade in Agricultural and Forest Products: 1857 to 1936.....                                                          | 608 |

## 27. FARM ANIMALS AND ANIMAL PRODUCTS

|                                                                                                               |     |
|---------------------------------------------------------------------------------------------------------------|-----|
| 590. Domestic Animals: Number and value of animals on farms, 1880 to 1935.....                                | 609 |
| 591. Domestic Animals and Chickens on Farms: Number and value, by classes, and number of farms reporting..... | 609 |
| 592. Domestic Animals on Farms: By age and sex.....                                                           | 610 |
| 593. Chickens on Farms, Eggs Produced, and Chickens Raised: By States.....                                    | 611 |
| 594. Domestic Animals: Number on farms, by States.....                                                        | 612 |
| 595. Domestic Animals: Receipts and shipments, principal stockyards and all stockyards.....                   | 614 |
| 596. Domestic Animals: Receipts and shipments at nine principal stockyards combined.....                      | 615 |
| 597. Domestic Animals: Receipts and stocker and feeder shipments at all public stockyards.....                | 615 |

| Table                                                                                                                            | Page |
|----------------------------------------------------------------------------------------------------------------------------------|------|
| 598. Domestic Animals: Receipts at all public stockyards by months.....                                                          | 615  |
| 599. Domestic Animals: Average farm price and average Chicago market price.....                                                  | 616  |
| 600. Domestic Animals: Monthly average prices of typical grades at Chicago.....                                                  | 616  |
| 601. Domestic Animals: Monthly farm prices.....                                                                                  | 617  |
| 602. Wholesale Prices of Meats and Animal Products (actual and index numbers).....                                               | 617  |
| 603. Meat Animals: Slaughter under Federal inspection and estimated total slaughter.....                                         | 618  |
| 604. Meats and Lards: Estimated production and consumption of meats and lards produced under Federal inspection.....             | 618  |
| 605. Livestock Products of Farms: Summary of census statistics.....                                                              | 619  |
| 606. Dairy Products: Factory production by detailed classes.....                                                                 | 619  |
| 607. Butter and Cheese: Production, receipts at leading markets, and cold-storage holdings.....                                  | 620  |
| 608. Butter, Butterfat, and Cheese Prices: By years and months.....                                                              | 620  |
| 609. Manufactured Dairy Products: Factory production, whole milk equivalents, and estimated factory purchases of fluid milk..... | 621  |
| 610. Oleomargarine: Production and materials used.....                                                                           | 621  |
| 611. Poultry: Farm prices and receipts at principal markets, by years and months.....                                            | 622  |
| 612. Eggs: Farm prices, prices and receipts at principal markets, and cold-storage holdings.....                                 | 622  |
| 613. Cold-storage Holdings of Animal Products and Frozen Fish: By months.....                                                    | 623  |
| 614. Milk and Butter: Production of milk on farms and of butter on farms and in factories, by States.....                        | 624  |
| 615. Wool: Production, imports, and exports, 1839 to 1935.....                                                                   | 625  |
| 616. Wool: Prices, import values, and receipts at Boston.....                                                                    | 625  |
| 617. Wool: Estimated production and weight per fleece, by States.....                                                            | 626  |
| 618. Wool Consumed in Manufactures: By classes.....                                                                              | 626  |
| 619. Animal Food Manufacturing Industries: Materials used and products.....                                                      | 627  |

## 28. FARM CROPS AND FOODSTUFFS

|                                                                                                  |     |
|--------------------------------------------------------------------------------------------------|-----|
| 620. Index Numbers of Mass of Crop Production: 1866 to 1935.....                                 | 628 |
| 621. Index Numbers of All Crop Yields: By geographic divisions, 1913 to 1935.....                | 628 |
| 622. Production of Selected Agricultural Commodities: 1800 to 1935.....                          | 629 |
| 623. Acreage, Production, and Value of Individual Crops: Census returns, 1890 to 1934.....       | 630 |
| 624. Acreage, Production, and Value of Principal Crops: 1866 to 1935.....                        | 632 |
| 625. Wheat: Acreage and production.....                                                          | 637 |
| 626. Sweetpotatoes and Tobacco: Acreage, production, and farm value, by States.....              | 637 |
| 627. Potatoes: Acreage, production, and farm value, by States.....                               | 638 |
| 628. Corn: Acreage, production, and farm value, by States.....                                   | 640 |
| 629. Wheat: Acreage, production, and farm value, by States.....                                  | 642 |
| 630. Oats: Acreage, production, and farm value, by States.....                                   | 644 |
| 631. Barley and Rice: Acreage, production, and farm value, by States.....                        | 645 |
| 632. Rye and grain sorghums: Acreage, production, and farm value, by States.....                 | 646 |
| 633. Cotton and Cottonseed: Area, production, and farm value, by States.....                     | 647 |
| 634. Tobacco: Acreage, production, and farm value, by States.....                                | 650 |
| 635. Tame Hay: Acreage, production, and farm value, by States.....                               | 651 |
| 636. Wild Hay: Acreage, production, and farm value, by States.....                               | 652 |
| 637. Truck Crops: Commercial acreage, production, and value.....                                 | 653 |
| 638. Orchard Fruits: Production and value.....                                                   | 664 |
| 639. Apples, Peaches, Pears, and Grapes: Production in leading States.....                       | 664 |
| 640. Apples, Peaches, and Pears: United States production, 1891 to 1935.....                     | 655 |
| 641. Apples, Peaches, Pears, and Grapes: Farm prices.....                                        | 655 |
| 642. Sugar Beets and Beet Sugar: Production, totals, and by States.....                          | 656 |
| 643. Louisiana Sugar Cane, Cane Sugar, and Molasses.....                                         | 657 |
| 644. Hawaiian Cane and Cane Sugar.....                                                           | 657 |
| 645. Maple Sugar and Sirup: Production, totals, and by States.....                               | 658 |
| 646. Sugar Cane and Sirup in Southern States: Production, totals, and by States.....             | 658 |
| 647. Sugar: Production of the United States and certain outlying areas, and of the world.....    | 659 |
| 648. Sugar: Production of United States, trade, and apparent consumption.....                    | 659 |
| 649. Sugar: Percentages relating to consumption in continental United States.....                | 660 |
| 650. Sugar: Wholesale prices of raw and refined, New York.....                                   | 661 |
| 651. Crude Rubber: World production and United States imports and prices.....                    | 661 |
| 652. Cotton: Production, consumption, exports, imports, and prices.....                          | 662 |
| 653. Cottonseed and Cottonseed Products: Production, value, and exports.....                     | 663 |
| 654. Cotton Exports to Principal Countries: 1866 to 1935.....                                    | 664 |
| 655. Coffee: Imports, reexports, net imports per capita, and average import price per pound..... | 664 |
| 656. Tea: Net imports and per capita imports.....                                                | 665 |
| 657. Cocoa and Chocolate: Imports.....                                                           | 665 |
| 658. Silk and Silk Manufactures: Foreign trade.....                                              | 665 |
| 659. Exports and Imports of Corn, Rice, Flaxseed, and Tobacco.....                               | 666 |

| Table                                                                                   | Page |
|-----------------------------------------------------------------------------------------|------|
| 660. Wheat: Supply and distribution and disappearance for food, etc.....                | 666  |
| 661. Exports and Imports of Wheat.....                                                  | 667  |
| 662. Commercial Stocks of Domestic Grain (wheat, corn, oats): By months.....            | 667  |
| 663. Grain Receipts (wheat, corn, oats) at Primary Markets: By crop years.....          | 668  |
| 664. Grain Receipts at Six Atlantic Seaboard Ports.....                                 | 668  |
| 665. Grain Prices: Weighted average market price per bushel of reported cash sales..... | 669  |
| 666. Monthly Average Farm Prices for Specified Crops.....                               | 669  |
| 667. Yearly Weighted Average Farm Prices of Specified Crops: By crop years.....         | 670  |
| 668. Wheat Freight Rates: Buffalo to New York.....                                      | 670  |
| 669. Wheat Freight Rates: Chicago to New York.....                                      | 671  |
| 670. Freight Rates (grain, flour, provisions): Chicago to European ports.....           | 671  |
| 671. Food Manufacturing Industries: Materials used and products.....                    | 672  |

## 29. FORESTS AND FOREST PRODUCTS

|                                                                                                                                     |     |
|-------------------------------------------------------------------------------------------------------------------------------------|-----|
| 672. Forests: Original and present area, and stand of saw timber and annual growth.....                                             | 674 |
| 673. Stand of Saw Timber (estimated): By species and regions.....                                                                   | 675 |
| 674. National Forests: Area and amount of standing timber of forests, in each State.....                                            | 675 |
| 675. National Forests: Land in course of acquisition and land acquired under the Weeks Law as amended by the Clarke-McNary Law..... | 676 |
| 676. National Forests: Summary of operations.....                                                                                   | 676 |
| 677. Forest Fires: Number, area, and damage, protected and unprotected areas.....                                                   | 677 |
| 678. Forest Fires: Number, area, and damage by causes, protected areas.....                                                         | 677 |
| 679. Forest Fires: Areas burned and damage, protected areas only.....                                                               | 678 |
| 680. Estimated Quantity of Timber Removed Annually from Forests.....                                                                | 678 |
| 681. Lumber: Production, totals, and by species, and average value.....                                                             | 679 |
| 682. Lumber Production: By regions and States.....                                                                                  | 680 |
| 683. Lumber: Average mill value, by species.....                                                                                    | 681 |
| 684. Veneers: Timber consumed in manufacturing, by States, and by kinds of wood.....                                                | 681 |
| 685. Lath and Shingles: Production, totals, and by States.....                                                                      | 682 |
| 686. Cooperage Stock: Production, by States, and kind of wood.....                                                                  | 682 |
| 687. Pulpwood: Consumption by mills, and mill cost.....                                                                             | 683 |
| 688. Wood Pulp Production: Totals, and by States and processes.....                                                                 | 683 |
| 689. Paper and Paper Boards: Census statistics of production.....                                                                   | 684 |
| 690. Turpentine and Rosin Production: Totals, and by States.....                                                                    | 684 |

## 30. FISHERIES

|                                                                                              |     |
|----------------------------------------------------------------------------------------------|-----|
| 691. Quantity and Value of the Products of the Fisheries of Specified Sections.....          | 685 |
| 692. Summary of the Fisheries of the United States and Alaska.....                           | 687 |
| 693. Fishery Products Landed at Seattle, Wash., by American Vessels.....                     | 687 |
| 694. Fishery Products Landed at Boston and Gloucester, Mass., and Portland, Me.....          | 688 |
| 695. Canned Fishery Products of the United States and Alaska.....                            | 688 |
| 696. Canned Salmon Output, United States and Alaska.....                                     | 689 |
| 697. Alaska Fisheries: Quantity and value of products.....                                   | 689 |
| 698. Canned Salmon: Output and prices of Alaska product, by species.....                     | 690 |
| 699. Fish Propagation: Output of fish eggs, fry and fingerlings, by Bureau of Fisheries..... | 690 |

## 31. MINING AND MINERAL PRODUCTS

|                                                                                                                      |     |
|----------------------------------------------------------------------------------------------------------------------|-----|
| 700. Total Value of Mineral Products of the United States: 1881 to 1935.....                                         | 691 |
| 701. Average Prices of Principal Nonferrous Metals.....                                                              | 691 |
| 702. Mines and Quarries, Producing and Nonproducing: Census statistics.....                                          | 692 |
| 703. Producing Mines and Quarries: Census statistics.....                                                            | 692 |
| 704. Producing Mines and Quarries: Census statistics, by States.....                                                 | 693 |
| 705. Producing Mines and Quarries: Census statistics, by industries.....                                             | 694 |
| 706. Producing Mines and Quarries: All industries and principal industries, according to number of wage earners..... | 695 |
| 707. Mines and Quarries: Hours of labor.....                                                                         | 695 |
| 708. Mineral Production by States.....                                                                               | 696 |
| 709. Principal Mineral Products: Quantities and values.....                                                          | 697 |
| 710. Iron Ore: Production, shipments, exports, and imports.....                                                      | 700 |
| 711. Analysis of Pig Iron and Ferro-alloy Production: By States, disposition, kinds, etc.....                        | 700 |
| 712. Production, Exports, and Imports of Pig Iron, and Production of Steel Ingots and Castings.....                  | 701 |
| 713. Rolled and Miscellaneous Steel Products: Production.....                                                        | 701 |
| 714. Iron and Steel: Production, exports, and imports of finished rolled products.....                               | 702 |
| 715. Iron and Steel: Census statistics of products.....                                                              | 703 |
| 716. Steel Ingots and Castings: Production, by grades.....                                                           | 705 |

| Table                                                                                                  | Page |
|--------------------------------------------------------------------------------------------------------|------|
| 717. Blast Furnaces, Steelworks, and Rolling Mills: Census statistics.....                             | 705  |
| 718. Aggregate Exports of Heavy Iron and Steel.....                                                    | 705  |
| 719. Iron and Steel: Exports, by specified classes.....                                                | 706  |
| 720. Iron and Steel: Exports, by destination.....                                                      | 706  |
| 721. Iron and Steel: Average annual prices.....                                                        | 707  |
| 722. Aluminium and Bauxite: Production, exports, and imports.....                                      | 707  |
| 723. Copper: Production, exports, imports, and consumption.....                                        | 708  |
| 724. Copper: State of origin of ore smelted.....                                                       | 708  |
| 725. Copper: Smelter and refinery output.....                                                          | 709  |
| 726. Copper: Exports and imports.....                                                                  | 709  |
| 727. Lead: Production and value.....                                                                   | 710  |
| 728. Sources of Primary Lead Smelted or Refined in the United States.....                              | 710  |
| 729. Lead: Supply and distribution of refined primary lead.....                                        | 711  |
| 730. Manufactures of Nonferrous Metals and Alloys.....                                                 | 711  |
| 731. Zinc: Production, exports, stocks, and consumption.....                                           | 712  |
| 732. Smelter Production of Primary Zinc from Domestic Ore.....                                         | 712  |
| 733. Gold and Silver: Production, totals, 1792 to 1935, and by States, 1910 to 1935.....               | 713  |
| 734. Gold and Silver for Use in Manufactures and the Arts.....                                         | 714  |
| 735. Silver: Price, ratio to gold, and value of silver in the dollar, 1835 to 1935.....                | 714  |
| 736. Coke: Production, exports, and imports.....                                                       | 715  |
| 737. Coke: Production, by States.....                                                                  | 715  |
| 738. Coal: Anthracite and bituminous, total production, 1821 to 1935, and by States, 1911 to 1935..... | 716  |
| 739. Coal: Exports and imports and bunker coal laden on vessels, 1891 to 1935.....                     | 717  |
| 740. Coal: Shipments, coke made, value per ton, men employed, days worked, etc.....                    | 717  |
| 741. Bituminous Coal: Consumption in the United States, by consuming classes.....                      | 718  |
| 742. Labor Strikes in Coal Mines.....                                                                  | 718  |
| 743. Coal: Retail price for household use in selected cities.....                                      | 719  |
| 744. Coal: Average and relative retail prices.....                                                     | 720  |
| 745. Natural Gas and Natural Gas Gasoline: Production, totals and by States.....                       | 720  |
| 746. Manufactured Gas Industry: Materials used and products.....                                       | 721  |
| 747. Manufactured Gas Industry: Summary of Statistics, 1929 to 1935.....                               | 721  |
| 748. Total Net Monthly Bill and Price Per Therm for Specified Amounts of Gas: By cities.....           | 722  |
| 749. Petroleum: Production of crude.....                                                               | 723  |
| 750. Petroleum: Production, exports, and imports, and bunker oil.....                                  | 723  |
| 751. Petroleum: United States production, by regions and States, and world production.....             | 724  |
| 752. Petroleum: Stocks of crude and refined oils.....                                                  | 724  |
| 753. Petroleum: Supply and demand of crude and refined oils.....                                       | 725  |
| 754. Petroleum Refining: Materials used and products.....                                              | 725  |
| 755. Petroleum Products: Oils run to stills, output, stocks, exports, and consumption.....             | 726  |
| 756. Petroleum Products: Crude oil run to stills, and output of refineries, by regions.....            | 726  |
| 757. Petroleum Pipe Lines: Mileage and financial statistics.....                                       | 727  |
| 758. Petroleum: Prices of crude and refined products.....                                              | 727  |
| 759. Asphalt: Supply, distribution, and sales.....                                                     | 727  |
| 760. Portland Cement: Production by States, shipments, stocks, and imports.....                        | 728  |
| 761. Portland Cement: Shipments to each State.....                                                     | 728  |
| 762. Cement Production: Quantity, by kinds, and total value.....                                       | 729  |
| 763. Stone: Production, by varieties and uses.....                                                     | 729  |
| 764. Clay Products: Production, by industries.....                                                     | 730  |
| 765. Glass and Glassware: Production.....                                                              | 730  |
| 766. Production of Principal Burned-Clay Building Materials.....                                       | 731  |
| 767. Salt: Total production, and by States and kinds, and exports and imports.....                     | 731  |
| 768. Accidents in all Mineral Industries, 1921 to 1934.....                                            | 732  |
| 769. Accidents in Mines, Quarries, Metallurgical Works, and Coke Ovens.....                            | 732  |
| <b>32. MANUFACTURES</b>                                                                                |      |
| 770. Manufactures: Summary 1849 to 1933.....                                                           | 733  |
| 771. Manufactures: Establishments Classified According to Average Number of Wage Earners.....          | 734  |
| 772. Manufactures: Size of establishment as measured by value of products.....                         | 734  |
| 773. Manufactures: Prime movers, motors, and generators, number and rated capacity.....                | 735  |
| 774. Manufactures: Summary by 16 general industrial groups.....                                        | 736  |
| 775. Manufactures: Summary for individual industries.....                                              | 738  |
| 776. Manufactures: Summary for all industries combined, by States.....                                 | 740  |
| 777. Manufactures: Summary for all industries combined, by industrial areas.....                       | 765  |
| 778. Indexes of Industrial Production.....                                                             | 766  |
| 779. Manufacturing Production: Indexes for groups of industries.....                                   | 766  |
| 780. Textile Manufactures: Census statistics of production.....                                        | 767  |

| Table                                                                                               | Page |
|-----------------------------------------------------------------------------------------------------|------|
| 781. Boots and Shoes: Production.....                                                               | 769  |
| 782. Leather: Production, by principal types of raw stock.....                                      | 770  |
| 783. Leather: Production by principal kinds.....                                                    | 770  |
| 784. Chemicals: Census statistics of products made for sale.....                                    | 771  |
| 785. Miscellaneous Products Involving Chemical Processes: Census statistics.....                    | 773  |
| 786. Tanning Materials, Natural Dyestuffs, Mordants and Assistants, and Sizes: Production.....      | 775  |
| 787. Rubber Products: Census statistics.....                                                        | 775  |
| 788. Printing and Publishing: Census statistics of products.....                                    | 776  |
| 789. Engines, Water Turbines, Tractors, and Locomotives: Census statistics of production.....       | 776  |
| 790. Machinery: Value of the principal classes of machines manufactured.....                        | 777  |
| 791. Electrical Machinery, Apparatus, and Supplies: Census statistics of production.....            | 778  |
| 792. Agricultural Implements: Production.....                                                       | 779  |
| 793. Machine Tools: Census statistics of production.....                                            | 780  |
| 794. Machine Tool Accessories and Machinists' Precision Tools and Instruments: Value, by kinds..... | 780  |
| 795. Refrigerating and Ice-making Apparatus: Production.....                                        | 781  |
| 796. Radio Apparatus and Phonographs: Census statistics of production.....                          | 782  |
| 797. Vehicles and Aircraft: Census statistics of production.....                                    | 783  |
| 798. Cotton Spindles and Cotton Consumption, 1840 to 1935, and Stocks, 1906 to 1935.....            | 784  |
| 799. Cotton Spindle Activity and Cotton Consumption: By sections and States.....                    | 785  |
| 800. Explosives: Amounts manufactured and sold and purposes for which used.....                     | 785  |
| 801. Manufactured Tobacco: Production, total 1901 to 1935, and by States, 1934.....                 | 786  |
| 802. Consumption of Tobacco in the United States.....                                               | 786  |
| 803. Leaf Tobacco: Amounts consumed in manufacture.....                                             | 787  |
| 804. Distilled Spirits, Wines, Rectified Spirits and Wines, and Fermented Liquors.....              | 787  |
| 805. Denatured Alcohol: Production and ethyl alcohol withdrawn for denaturation.....                | 788  |
| 806. Motion Picture Production: Summary of Census Statistics.....                                   | 788  |
| 807. Patents and Certificates of Registration Issued.....                                           | 789  |

### 33. DISTRIBUTION—WHOLESALE AND RETAIL

|                                                                                                                                                            |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 808. Wholesale Trade: Summary for the United States.....                                                                                                   | 790 |
| 809. Retail Trade: Summary for the United States.....                                                                                                      | 790 |
| 810. Wholesale Trade: By type of establishment.....                                                                                                        | 791 |
| 811. Wholesale Trade: By kind of business.....                                                                                                             | 791 |
| 812. Wholesale Trade: Summary by States.....                                                                                                               | 794 |
| 813. Wholesale Trade of Individual Cities of 100,000 or More Inhabitants.....                                                                              | 795 |
| 814. Retail Trade: By kinds of business.....                                                                                                               | 796 |
| 815. Retail Sales: By States.....                                                                                                                          | 798 |
| 816. Retail Trade: By type of operation, 18 kinds of business.....                                                                                         | 799 |
| 817. Retail Sales for Individual Cities of 50,000 or More Inhabitants.....                                                                                 | 800 |
| 818. Indexes of the Value of Sales of Chain Stores.....                                                                                                    | 802 |
| 819. Indexes of Dollar Values of Automobile Retail Sales, Variety Store Sales, and Retail Sales of General Merchandise in Small Towns and Rural Areas..... | 802 |
| 820. Indexes of Retail Sales of General Merchandise in Small Towns and Rural Areas: By regions.....                                                        | 803 |
| 821. Indexes of Values of Sales by Department Stores: By Federal Reserve districts and by months.....                                                      | 803 |
| 822. Service Establishments, Places of Amusement, and Hotels: By States.....                                                                               | 804 |
| 823. Service Establishments, Places of Amusement, and Hotels: By kind of business.....                                                                     | 805 |
| 824. Power Laundries, Cleaning and Dyeing Establishments, and Rug-Cleaning Establishments.....                                                             | 806 |

### 34. CONSTRUCTION

|                                                                                                       |     |
|-------------------------------------------------------------------------------------------------------|-----|
| 825. Construction Contracts Awarded: Number, value of construction, and space covered.....            | 807 |
| 826. Construction Contracts Awarded: Floor space and value, by months and years.....                  | 808 |
| 827. Construction Contracts Awarded: By territories.....                                              | 808 |
| 828. Building Operations in Principal Cities: Permits issued and proposed cost.....                   | 809 |
| 829. Building Permits Issued: Number and proposed cost, by class of building.....                     | 812 |
| 830. Cost of Building Construction, Families Provided For and Population for 257 Cities.....          | 812 |
| 831. Construction and Professional, Technical, and Clerical Projects Financed from Federal Funds..... | 813 |
| 832. Index Numbers of Building Material Prices and Construction Costs.....                            | 814 |
| 833. Residential Structures in 64 Cities: Summary for all cities combined.....                        | 814 |
| 834. Construction: Value of business and expenditures, by States.....                                 | 815 |
| 835. Construction: Value of business and expenditures, by classes.....                                | 816 |

### SUPPLEMENT TO SECTION 33

|                                                  |     |
|--------------------------------------------------|-----|
| 836. Retail Trade by Kind of Business, 1935..... | 817 |
| 837. Retail Trade by States, 1935.....           | 818 |

|               |     |
|---------------|-----|
| Appendix..... | 819 |
|---------------|-----|

## LETTER OF SUBMITTAL

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DEPARTMENT OF COMMERCE,  
BUREAU OF FOREIGN AND DOMESTIC COMMERCE,  
*Washington, September 3, 1936.*

SIR: I have the honor to submit herewith for publication the fifty-eighth issue of the Statistical Abstract of the United States. This annual volume is a summary of authoritative statistics showing the trends in trade and industry as well as social progress and is a convenient reference work for business men, economists, statisticians, and students.

The present volume has been prepared in the Division of Economic Research under the editorship of Martha Hunter and the administrative direction of Roy G. Blakey, chief of the division, and M. Joseph Meehan, assistant chief of the division. The volume represents a digest of data collected by all statistical agencies of the National Government, as well as those of a considerable number of private agencies and several States. Many of these offices and agencies have been of great assistance in furnishing advance data and also in the actual preparation of the tables used in the Abstract. Special mention in this connection is due the following offices of the Federal Government: The Bureau of the Census and the Bureau of Fisheries, of the Department of Commerce; the Bureau of Agricultural Economics and the Weather Bureau of the Department of Agriculture; the Immigration and Naturalization Service and the Bureau of Labor Statistics of the Department of Labor; the Office of Education, the General Land Office, and the Bureau of Mines of the Department of the Interior; the Statistical Section of the Income Tax Unit of the Treasury Department; the Veterans' Administration; the Interstate Commerce Commission; the Board of Governors of the Federal Reserve System, and the Farm Credit Administration.

Respectfully,

ALEXANDER V. DYE,  
*Director.*

TO HON. DANIEL C. ROPER,  
*Secretary of Commerce.*

# STATISTICAL ABSTRACT OF THE UNITED STATES

## 1.—AREA AND POPULATION

### No. 1.—TERRITORIAL EXPANSION OF THE UNITED STATES

NOTE.—Gross areas, including land and water, but not water surface of oceans, Gulf of Mexico, and Great Lakes. Recent revisions in these figures are due to more accurate maps. For dates of organization of the individual States and Territories see Table 2, p. 1, Statistical Abstract 1931 and previous issues.

| Accession                      | Date | Gross area, square miles | Accession                                 | Date | Gross area, square miles |
|--------------------------------|------|--------------------------|-------------------------------------------|------|--------------------------|
| Aggregate (1930).....          |      | 3, 738,395               | Outlying territories and possessions..... |      | 711,606                  |
| Continental United States..... |      | 3, 024, 789              | Alaska Territory.....                     | 1867 | 589,400                  |
| Territory in 1790.....         |      | 892, 135                 | Hawaii Territory.....                     | 1893 | 6, 407                   |
| Louisiana Purchase.....        | 1803 | 827, 987                 | Philippine Islands.....                   | 1899 | 114, 400                 |
| Florida.....                   | 1819 | 58, 656                  | Puerto Rico.....                          | 1899 | 3, 435                   |
| By treaty with Spain.....      | 1819 | 13, 436                  | Guam.....                                 | 1899 | 206                      |
| Texas.....                     | 1846 | 389, 109                 | American Samoa.....                       | 1900 | 76                       |
| Oregon.....                    | 1846 | 286, 541                 | Panama Canal Zone.....                    | 1904 | 549                      |
| Mexican Cession.....           | 1848 | 528, 189                 | Virgin Islands of the U. S.....           | 1917 | 133                      |
| Gadsden Purchase.....          | 1853 | 29, 070                  |                                           |      |                          |

<sup>1</sup> Includes drainage basin of Red River of the North, not a part of any accession, but in the past some times considered a part of the Louisiana Purchase.

Source: Bureau of the Census, Department of Commerce.

### No. 2.—AREA: GEOGRAPHIC DIVISIONS AND STATES, 1930

| Division and State             | Area (square miles) |                     |             | Division and State      | Area (square miles) |                     |          |
|--------------------------------|---------------------|---------------------|-------------|-------------------------|---------------------|---------------------|----------|
|                                | Land                | Water               | Total       |                         | Land                | Water               | Total    |
| Continental United States..... | 2, 973, 776         | 153, 013            | 3, 026, 789 | South Atlantic—Con.     |                     |                     |          |
| New England.....               | 81, 976             | 4, 448              | 86, 424     | Dist. of Columbia.....  | 62                  | 8                   | 70       |
| Maine.....                     | 29, 896             | 3, 145              | 33, 040     | Virginia.....           | 40, 262             | 2, 356              | 42, 627  |
| New Hampshire.....             | 9, 031              | 310                 | 9, 341      | West Virginia.....      | 24, 022             | 148                 | 24, 170  |
| Vermont.....                   | 9, 124              | 440                 | 9, 564      | North Carolina.....     | 48, 740             | 3, 680              | 52, 426  |
| Massachusetts.....             | 8, 039              | 227                 | 8, 266      | South Carolina.....     | 39, 465             | 494                 | 39, 959  |
| Rhode Island.....              | 1, 067              | 181                 | 1, 248      | Georgia.....            | 58, 725             | 540                 | 59, 265  |
| Connecticut.....               | 4, 820              | 146                 | 4, 966      | Florida.....            | 54, 861             | 3, 805              | 58, 666  |
| Middle Atlantic.....           | 100, 000            | 2, 554              | 102, 554    | East South Central..... | 179, 509            | 1, 974              | 181, 483 |
| New York.....                  | 47, 654             | <sup>1</sup> 1, 560 | 49, 204     | Kentucky.....           | 40, 181             | 417                 | 40, 598  |
| New Jersey.....                | 7, 514              | 710                 | 8, 224      | Tennessee.....          | 41, 687             | 335                 | 42, 022  |
| Pennsylvania.....              | 44, 832             | <sup>2</sup> 294    | 45, 126     | Alabama.....            | 51, 279             | 719                 | 51, 998  |
| East North Central.....        | 245, 584            | 2, 541              | 248, 106    | Mississippi.....        | 46, 362             | 503                 | 46, 865  |
| Ohio.....                      | 40, 740             | <sup>3</sup> 300    | 41, 040     | West South Central..... | 429, 746            | 8, 048              | 437, 794 |
| Indiana.....                   | 36, 045             | <sup>3</sup> 309    | 36, 354     | Arkansas.....           | 52, 525             | 810                 | 53, 335  |
| Illinois.....                  | 58, 043             | <sup>2</sup> 622    | 58, 665     | Louisiana.....          | 45, 409             | 3, 087              | 48, 506  |
| Michigan.....                  | 57, 480             | <sup>2</sup> 500    | 57, 980     | Oklahoma.....           | 69, 414             | 643                 | 70, 057  |
| Wisconsin.....                 | 56, 256             | <sup>3</sup> 810    | 56, 066     | Texas.....              | 262, 398            | 3, 498              | 265, 896 |
| West North Central.....        | 510, 804            | 7, 575              | 518, 379    | Mountain.....           | 869, 009            | 6, 008              | 865, 017 |
| Minnesota.....                 | 80, 858             | <sup>3</sup> 3, 324 | 84, 682     | Montana.....            | 146, 131            | 866                 | 146, 997 |
| Iowa.....                      | 55, 586             | 581                 | 56, 147     | Idaho.....              | 83, 354             | 534                 | 83, 888  |
| Missouri.....                  | 68, 727             | 693                 | 69, 420     | Wyoming.....            | 97, 548             | 356                 | 97, 914  |
| North Dakota.....              | 70, 183             | 654                 | 70, 837     | Colorado.....           | 103, 658            | 290                 | 103, 948 |
| South Dakota.....              | 76, 888             | 747                 | 77, 615     | New Mexico.....         | 122, 503            | 131                 | 122, 634 |
| Nebraska.....                  | 76, 808             | 712                 | 77, 520     | Arizona.....            | 113, 810            | 146                 | 113, 956 |
| Kansas.....                    | 81, 774             | 384                 | 82, 158     | Utah.....               | 82, 184             | 2, 808              | 84, 990  |
| South Atlantic.....            | 269, 073            | 13, 837             | 282, 910    | Nevada.....             | 109, 821            | 869                 | 110, 690 |
| Delaware.....                  | 1, 856              | 405                 | 2, 370      | Pacific.....            | 318, 095            | 8, 028              | 324, 123 |
| Maryland.....                  | 9, 941              | 2, 386              | 12, 327     | Washington.....         | 66, 836             | <sup>2</sup> 3, 291 | 69, 127  |
|                                |                     |                     |             | Oregon.....             | 95, 607             | 1, 062              | 96, 669  |
|                                |                     |                     |             | California.....         | 155, 652            | 2, 045              | 158, 297 |

<sup>1</sup> Does not include the water surface of the oceans, the Gulf of Mexico, or the Great Lakes, the Strait of Juan de Fuca, and the Gulf of Georgia, lying within the jurisdiction of the United States.

<sup>2</sup> Exclusive of Great Lakes.

<sup>3</sup> Exclusive of water area of the Strait of Juan de Fuca and the Gulf of Georgia.

Source: Bureau of the Census, Department of Commerce.



## No. 3.—AREA AND POPULATION: CONTINENTAL UNITED STATES, 1790 TO 1930

NOTE.—The enumeration of 1870 was incomplete in the Southern States. The last column shows the estimated rate of increase corrected for 1870 and 1880

| Census year | Area (square miles) |           |        | Population  |                              |                                |          |                               |
|-------------|---------------------|-----------|--------|-------------|------------------------------|--------------------------------|----------|-------------------------------|
|             | Gross               | Land      | Water  | Number      | Per square mile <sup>1</sup> | Increase over preceding census |          |                               |
|             |                     |           |        |             |                              | Number                         | Per cent | Corrected per cent, estimated |
| 1790.....   | 892,135             | 867,980   | 24,155 | 3,929,214   | 4.5                          | 1,379,269                      | 35.1     |                               |
| 1800.....   | 892,135             | 867,980   | 24,155 | 5,308,483   | 6.1                          | 1,931,398                      | 30.4     |                               |
| 1810.....   | 1,720,122           | 1,685,865 | 34,257 | 7,239,881   | 4.3                          | 2,398,572                      | 33.1     |                               |
| 1820.....   | 1,792,223           | 1,753,588 | 38,635 | 9,638,453   | 5.6                          | 3,227,667                      | 33.5     |                               |
| 1830.....   | 1,792,223           | 1,753,588 | 38,635 | 12,866,020  | 7.3                          | 4,203,433                      | 32.7     |                               |
| 1840.....   | 1,792,223           | 1,753,588 | 38,635 | 17,059,463  | 9.7                          | 6,122,423                      | 35.9     |                               |
| 1850.....   | 2,997,119           | 2,944,337 | 52,782 | 23,191,876  | 7.9                          | 8,251,445                      | 35.6     |                               |
| 1860.....   | 3,026,789           | 2,973,965 | 52,824 | 31,443,321  | 10.6                         | 7,115,050                      | 22.6     | 26.6                          |
| 1870.....   | 3,026,789           | 2,973,965 | 52,824 | 38,558,371  | 13.0                         | 11,597,412                     | 30.1     | 26.0                          |
| 1880.....   | 3,026,789           | 2,973,965 | 52,824 | 50,155,783  | 16.9                         | 12,791,931                     | 25.5     |                               |
| 1890.....   | 3,026,789           | 2,973,965 | 52,824 | 62,947,714  | 21.2                         | 13,046,861                     | 20.7     |                               |
| 1900.....   | 3,026,789           | 2,974,159 | 52,630 | 75,994,575  | 25.6                         | 15,977,691                     | 21.0     |                               |
| 1910.....   | 3,026,789           | 2,973,890 | 52,899 | 91,972,266  | 30.9                         | 13,736,354                     | 14.9     |                               |
| 1920.....   | 3,026,789           | 2,973,776 | 53,013 | 105,710,620 | 35.5                         | 17,064,426                     | 16.1     |                               |
| 1930.....   | 3,026,789           | 2,973,776 | 53,013 | 122,775,049 | 41.3                         |                                |          |                               |

<sup>1</sup>Based on land area.

<sup>2</sup>In comparing this percentage of increase with that shown for the decade 1910-1920, allowance should be made for the fact that the period between the censuses of 1910 and 1920 was less than a full decade, and that between the 1920 and 1930 censuses was more than a full decade. An increase of 16.1 per cent for 123 months (the time between Jan. 1, 1920, and Apr. 1, 1930) is equivalent to 15.7 per cent for exactly 10 years; and the 1920 increase for 10 $\frac{3}{4}$  months (the time between Apr. 15, 1910, and Jan. 1, 1920) is equivalent to 15.4 per cent for 120 months. Making this adjustment, the rate of increase for the decade ending in 1930 is only slightly higher than that for the preceding decade.

Source: Bureau of the Census, Department of Commerce.

## No. 4.—POPULATION: CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS, 1910, 1920, AND 1930

NOTE.—These data represent actual enumerations, not estimates, as in Table 12. For several of the outlying possessions they relate to dates other than 1910, 1920, and 1930, as indicated by footnotes. The census of Continental United States was as of date Apr. 15 in 1910, Jan. 1 in 1920, and Apr. 1 in 1930

| Area                                                                                       | Gross area (land and water) in square miles <sup>1</sup> | Population             |                         |                         |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------|-------------------------|-------------------------|
|                                                                                            |                                                          | 1910                   | 1920                    | 1930                    |
| United States, with outlying territories and possessions.....                              | 3,736,396                                                | 101,146,530            | 117,823,165             | 137,008,435             |
| Continental United States.....                                                             | 3,026,789                                                | 91,972,266             | 106,710,020             | 122,775,046             |
| Outlying territories and possessions.....                                                  | 711,606                                                  | 9,174,264              | 12,112,545              | 14,233,389              |
| Alaska Territory.....                                                                      | 586,400                                                  | 64,356                 | 55,036                  | 59,278                  |
| American Samoa.....                                                                        | 76                                                       | <sup>2</sup> 7,251     | 8,056                   | 10,055                  |
| Guam.....                                                                                  | 208                                                      | 11,808                 | 13,275                  | 18,509                  |
| Hawaii Territory.....                                                                      | 6,407                                                    | 191,909                | 255,912                 | 368,336                 |
| Panama Canal Zone.....                                                                     | 549                                                      | <sup>3</sup> 62,810    | 22,858                  | 39,467                  |
| Puerto Rico.....                                                                           | 3,435                                                    | 1,118,012              | 1,299,809               | 1,543,913               |
| Military and naval, etc., services abroad.....                                             |                                                          | 55,608                 | 117,238                 | 89,453                  |
| Philippine Islands.....                                                                    | 114,400                                                  | <sup>4</sup> 7,635,426 | <sup>5</sup> 10,314,310 | <sup>6</sup> 12,082,366 |
| Virgin Islands of the United States.....                                                   | 133                                                      | <sup>7</sup> 27,086    | <sup>7</sup> 26,051     | 22,012                  |
| Total Continental United States and incorporated territories (Alaska and Hawaii).....      | 3,619,596                                                | 92,228,531             | 106,021,568             | 123,202,660             |
| Total Statistical Customs Area—Continental United States, Alaska, Hawaii, Puerto Rico..... | 3,623,031                                                | 93,346,543             | 107,321,377             | 124,746,573             |

<sup>1</sup> See headnote Table 1. <sup>2</sup> Population in 1912. <sup>3</sup> Population in 1903. <sup>4</sup> Population Dec. 31, 1918.

<sup>5</sup> Estimated population. July 1, 1929 (annual report of the director of education of the Philippine Islands).

<sup>6</sup> Population in 1911.

<sup>7</sup> Population Nov. 1, 1917.

Source: Bureau of the Census, Department of Commerce.

## No. 5.—DENSITY OF POPULATION PER SQUARE MILE, BY STATES

NOTE.—The population of continental United States has been divided by the total land area, although it included at each census some unorganized territory which was not canvassed by the enumerators. For each State or Territory the population as returned at a given census has been divided by the land area as constituted at the time that census was taken. The areas of Indian reservations, outside of Indian Territory, are included in the areas of the several States and Territories, although the population was not ascertained and can not be considered in figuring density of population prior to 1890. The census of 1870 in the Southern States is considered incomplete. Population density in 1930 of Alaska, Hawaii, and Puerto Rico, and of Philippine Islands, December 31, 1918, based on gross area, and not land area, was as follows: Alaska, 0.1; Hawaii, 67.5; Puerto Rico, 449.5; Philippine Islands, 90.0

| Division and State        | 1800             | 1850             | 1860             | 1870             | 1880             | 1890    | 1900    | 1910    | 1920    | 1930    |
|---------------------------|------------------|------------------|------------------|------------------|------------------|---------|---------|---------|---------|---------|
| Continental United States | 6.1              | 7.9              | 10.6             | 13.0             | 16.9             | 21.2    | 25.6    | 30.9    | 35.5    | 41.3    |
| New England               | 19.9             | 44.0             | 50.6             | 56.3             | 64.7             | 75.8    | 80.2    | 106.7   | 119.4   | 131.6   |
| Maine                     | 5.1              | 19.5             | 21.0             | 21.0             | 21.7             | 22.1    | 23.2    | 24.8    | 25.7    | 26.7    |
| New Hampshire             | 20.4             | 35.2             | 36.1             | 35.2             | 35.4             | 41.7    | 45.6    | 47.7    | 49.1    | 51.5    |
| Vermont                   | 16.9             | 34.4             | 34.5             | 30.2             | 36.4             | 36.4    | 37.7    | 30.0    | 35.6    | 30.4    |
| Massachusetts             | 52.6             | 123.7            | 153.1            | 181.3            | 221.8            | 278.5   | 340.0   | 418.8   | 479.2   | 528.6   |
| Rhode Island              | 64.8             | 138.3            | 163.7            | 203.7            | 259.2            | 323.8   | 401.6   | 508.5   | 560.4   | 614.3   |
| Connecticut               | 52.1             | 76.9             | 95.6             | 111.6            | 120.2            | 154.8   | 188.5   | 231.3   | 286.4   | 333.4   |
| Middle Atlantic           | 14.0             | 58.0             | 74.6             | 88.1             | 105.0            | 127.1   | 154.5   | 193.2   | 222.6   | 262.6   |
| New York                  | 12.4             | 65.0             | 81.4             | 92.0             | 106.7            | 126.0   | 152.5   | 191.2   | 217.9   | 264.2   |
| New Jersey                | 28.1             | 65.2             | 89.4             | 120.6            | 150.5            | 192.3   | 250.7   | 337.7   | 420.0   | 537.8   |
| Pennsylvania              | 13.4             | 51.6             | 64.8             | 78.6             | 95.5             | 117.3   | 140.6   | 171.0   | 194.5   | 214.8   |
| East North Central        | .2               | 18.4             | 28.2             | 37.2             | 45.7             | 54.9    | 65.2    | 74.3    | 87.5    | 103.0   |
| Ohio                      | 1.1              | 48.5             | 57.4             | 65.4             | 78.5             | 90.1    | 102.1   | 117.0   | 141.4   | 163.1   |
| Indiana                   | ( <sup>1</sup> ) | 27.5             | 37.6             | 46.8             | 55.1             | 61.1    | 70.1    | 74.9    | 81.3    | 89.8    |
| Illinois                  |                  | 15.2             | 30.6             | 45.4             | 55.0             | 68.3    | 86.1    | 100.6   | 116.7   | 136.2   |
| Michigan                  |                  | 6.9              | 13.0             | 20.6             | 28.5             | 36.4    | 42.1    | 48.9    | 63.8    | 84.2    |
| Wisconsin                 |                  | 5.5              | 14.0             | 19.1             | 23.8             | 30.6    | 37.4    | 42.2    | 47.6    | 53.2    |
| West North Central        |                  | 3.1              | 3.0              | 7.6              | 12.1             | 17.5    | 20.3    | 22.8    | 24.6    | 26.0    |
| Minnesota                 |                  | ( <sup>1</sup> ) | 2.1              | 5.4              | 9.7              | 16.2    | 21.7    | 25.7    | 20.5    | 31.7    |
| Iowa                      |                  | 3.5              | 12.1             | 21.5             | 29.2             | 34.4    | 40.2    | 40.0    | 43.2    | 44.5    |
| Missouri                  |                  | 9.9              | 17.2             | 25.0             | 31.6             | 39.0    | 45.2    | 47.9    | 49.5    | 52.8    |
| North Dakota              |                  |                  | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 2.7     | 4.5     | 8.2     | 9.2     | 9.7     |
| South Dakota              |                  |                  | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 4.5     | 5.2     | 7.8     | 8.3     | 9.0     |
| Nebraska                  |                  | .2               | 1.6              | 5.9              | 13.8             | 13.9    | 15.5    | 16.9    | 17.9    | 17.9    |
| Kansas                    |                  | 1.3              | 4.5              | 12.2             | 17.5             | 18.0    | 20.7    | 21.6    | 23.0    | 23.0    |
| South Atlantic            | 8.6              | 17.4             | 19.9             | 21.6             | 26.2             | 32.9    | 38.8    | 45.3    | 52.0    | 58.7    |
| Delaware                  | 32.7             | 46.6             | 57.1             | 63.6             | 74.6             | 85.7    | 94.0    | 103.0   | 113.5   | 121.3   |
| Maryland                  | 34.4             | 58.6             | 69.1             | 78.6             | 94.0             | 104.9   | 119.5   | 130.3   | 145.8   | 164.1   |
| Dist. of Columbia         | 156.8            | 891.2            | 1,294.5          | 2,270.7          | 3,062.5          | 3,972.3 | 4,645.3 | 5,517.8 | 7,292.9 | 7,852.7 |
| Virginia                  | 13.7             | 22.1             | 24.8             | 30.4             | 37.3             | 41.1    | 46.1    | 51.2    | 57.4    | 60.2    |
| West Virginia             |                  |                  |                  | 18.4             | 25.7             | 31.8    | 39.9    | 50.8    | 60.9    | 72.0    |
| North Carolina            | 9.8              | 17.8             | 20.4             | 22.0             | 25.7             | 33.2    | 38.9    | 45.3    | 52.5    | 65.0    |
| South Carolina            | 11.3             | 31.9             | 23.1             | 23.1             | 32.6             | 37.7    | 44.0    | 49.7    | 55.2    | 57.0    |
| Georgia                   | 1.5              | 15.4             | 18.0             | 20.2             | 25.3             | 31.3    | 37.7    | 44.4    | 49.3    | 49.5    |
| Florida                   |                  | 1.6              | 2.6              | 3.4              | 4.9              | 7.1     | 9.6     | 13.7    | 17.7    | 26.8    |
| East South Central        | 2.9              | 18.7             | 22.4             | 24.5             | 31.1             | 35.8    | 42.0    | 46.8    | 49.5    | 55.1    |
| Kentucky                  | 5.5              | 24.4             | 28.8             | 32.9             | 41.0             | 46.3    | 53.4    | 57.0    | 60.1    | 65.1    |
| Tennessee                 | 2.5              | 24.1             | 26.6             | 30.2             | 37.0             | 42.4    | 48.5    | 52.4    | 56.1    | 62.8    |
| Alabama                   |                  | 15.0             | 18.8             | 19.4             | 24.6             | 29.5    | 35.7    | 41.7    | 45.8    | 51.6    |
| Mississippi               | .3               | 13.1             | 17.1             | 17.0             | 24.4             | 27.8    | 33.5    | 38.8    | 38.6    | 43.4    |
| West South Central        |                  | 2.9              | 4.9              | 5.8              | 9.3              | 11.0    | 15.2    | 20.4    | 23.8    | 28.3    |
| Arkansas                  |                  | 4.0              | 8.3              | 9.2              | 15.3             | 21.6    | 25.0    | 30.0    | 33.4    | 35.3    |
| Louisiana                 |                  | 11.4             | 15.0             | 16.0             | 20.7             | 24.6    | 30.4    | 35.5    | 39.6    | 45.3    |
| Oklahoma                  |                  |                  |                  |                  |                  | 8.7     | 11.4    | 23.9    | 29.2    | 34.5    |
| Texas                     |                  | .8               | 2.3              | 3.1              | 6.1              | 8.5     | 11.6    | 14.8    | 17.8    | 22.2    |
| Mountain                  |                  | .2               | .3               | .4               | .8               | 1.4     | 1.9     | 3.1     | 3.9     | 4.3     |
| Montana                   |                  |                  |                  | .1               | .3               | 1.0     | 1.7     | 2.6     | 3.8     | 3.7     |
| Idaho                     |                  |                  |                  | .2               | .4               | 1.1     | 1.9     | 3.9     | 5.2     | 5.3     |
| Wyoming                   |                  |                  |                  | .1               | .2               | .6      | .9      | 1.5     | 2.0     | 2.3     |
| Colorado                  |                  |                  | .3               | .4               | 1.9              | 4.0     | 5.2     | 7.7     | 9.1     | 10.0    |
| New Mexico                |                  | .3               | .4               | .7               | 1.0              | 1.3     | 1.6     | 2.7     | 2.9     | 3.5     |
| Arizona                   |                  |                  |                  | .1               | .4               | .8      | 1.1     | 1.8     | 2.9     | 3.8     |
| Utah                      |                  | ( <sup>1</sup> ) | .3               | 1.1              | 1.8              | 2.6     | 3.4     | 4.5     | 5.5     | 6.2     |
| Nevada                    |                  |                  | .1               | .4               | .6               | .4      | .4      | .7      | .7      | .8      |
| Pacific                   |                  | .2               | 1.0              | 2.1              | 3.5              | 5.9     | 7.6     | 13.2    | 17.5    | 25.8    |
| Washington                |                  |                  | .1               | .4               | 1.1              | 5.3     | 7.8     | 17.1    | 20.3    | 23.4    |
| Oregon                    |                  | ( <sup>1</sup> ) | .5               | 1.0              | 1.8              | 3.3     | 4.3     | 7.0     | 8.2     | 10.0    |
| California                |                  | .6               | 2.4              | 3.6              | 5.5              | 7.8     | 9.5     | 15.3    | 22.0    | 36.5    |

<sup>1</sup> Less than one-tenth of 1 per cent.

<sup>2</sup> Dakota Territory: Less than one-tenth of 1 per cent in 1860, 0.1 in 1870, and 0.9 in 1880.

<sup>3</sup> Oklahoma and Indian Territory combined. Separate data are as follows: Indian Territory, 5.9 in 1890 and 12.7 in 1900; Oklahoma, 2.5 in 1890 and 10.3 in 1900.

Source: Bureau of the Census, Department of Commerce.

## POPULATION BY STATES

## No. 6.—POPULATION BY STATES

NOTE.—The census of 1870 in the

| Division and State              | Population |           |           |           |            |            |            |            |
|---------------------------------|------------|-----------|-----------|-----------|------------|------------|------------|------------|
|                                 | 1790       | 1800      | 1810      | 1820      | 1830       | 1840       | 1850       | 1860       |
| 1 Continental U. S. . . . .     | 3,929,214  | 5,808,438 | 7,232,881 | 9,038,453 | 12,866,020 | 17,069,453 | 23,191,878 | 31,443,321 |
| 2 New England . . . . .         | 1,009,408  | 1,233,011 | 1,471,973 | 1,660,071 | 1,864,717  | 2,234,522  | 2,728,118  | 3,135,283  |
| 3 Maine . . . . .               | 96,540     | 151,719   | 228,705   | 298,335   | 390,455    | 501,793    | 583,169    | 628,270    |
| 4 New Hampshire . . . . .       | 141,885    | 183,858   | 214,460   | 244,161   | 269,328    | 284,574    | 317,970    | 326,073    |
| 5 Vermont . . . . .             | 85,425     | 154,466   | 217,895   | 235,981   | 280,652    | 301,948    | 314,120    | 315,098    |
| 6 Massachusetts . . . . .       | 378,787    | 422,845   | 472,040   | 523,287   | 610,408    | 737,699    | 994,514    | 1,231,066  |
| 7 Rhode Island . . . . .        | 68,825     | 69,122    | 76,931    | 83,059    | 97,199     | 108,830    | 147,645    | 174,620    |
| 8 Connecticut . . . . .         | 237,946    | 261,002   | 261,942   | 275,248   | 297,075    | 309,078    | 370,792    | 400,147    |
| 9 Middle Atlantic . . . . .     | 958,632    | 1,402,565 | 2,014,702 | 2,699,345 | 3,587,664  | 4,526,280  | 5,898,735  | 7,458,885  |
| 10 New York . . . . .           | 340,120    | 589,051   | 950,049   | 1,372,812 | 1,918,698  | 2,428,921  | 3,097,394  | 3,880,735  |
| 11 New Jersey . . . . .         | 184,139    | 211,149   | 245,562   | 277,575   | 320,823    | 373,306    | 489,556    | 672,035    |
| 12 Pennsylvania . . . . .       | 434,373    | 602,365   | 810,091   | 1,049,458 | 1,348,233  | 1,724,033  | 2,311,780  | 2,900,216  |
| 13 East North Central . . . . . |            | 51,006    | 273,342   | 792,719   | 1,470,018  | 2,924,728  | 4,523,280  | 6,928,884  |
| 14 Ohio . . . . .               |            | 45,365    | 230,760   | 581,434   | 927,903    | 1,519,497  | 1,980,329  | 2,330,511  |
| 15 Indiana . . . . .            |            | 5,641     | 24,520    | 147,175   | 343,031    | 688,866    | 988,416    | 1,350,428  |
| 16 Illinois . . . . .           |            |           | 12,282    | 55,211    | 167,445    | 476,183    | 851,470    | 1,711,951  |
| 17 Michigan . . . . .           |            |           | 4,762     | 8,806     | 31,639     | 212,267    | 307,654    | 740,113    |
| 18 Wisconsin . . . . .          |            |           |           |           |            | 30,945     | 305,391    | 775,881    |
| 19 West North Central . . . . . |            |           | 19,783    | 68,588    | 140,455    | 426,814    | 890,335    | 1,189,832  |
| 20 Minnesota . . . . .          |            |           |           |           |            |            | 6,077      | 172,023    |
| 21 Iowa . . . . .               |            |           |           |           |            | 43,112     | 192,214    | 674,913    |
| 22 Missouri . . . . .           |            |           | 19,783    | 66,588    | 140,455    | 383,702    | 682,044    | 1,182,012  |
| 23 North Dakota . . . . .       |            |           |           |           |            |            |            | (5)        |
| 24 South Dakota . . . . .       |            |           |           |           |            |            |            | 4,837      |
| 25 Nebraska . . . . .           |            |           |           |           |            |            |            | 28,841     |
| 26 Kansas . . . . .             |            |           |           |           |            |            |            | 107,206    |
| 27 South Atlantic . . . . .     | 1,351,806  | 2,286,494 | 2,674,391 | 3,081,083 | 3,645,752  | 3,925,299  | 4,679,090  | 5,364,708  |
| 28 Delaware . . . . .           | 50,096     | 94,273    | 72,674    | 72,749    | 76,748     | 78,085     | 91,532     | 112,210    |
| 29 Maryland . . . . .           | 319,728    | 341,648   | 380,540   | 407,350   | 447,040    | 470,019    | 583,034    | 687,049    |
| 30 Dist. of Col. . . . .        |            | 14,093    | 24,023    | 33,089    | 39,834     | 43,712     | 51,687     | 75,080     |
| 31 Virginia . . . . .           | 747,610    | 880,000   | 974,000   | 1,065,398 | 1,211,405  | 1,236,797  | 1,421,061  | 1,690,318  |
| 32 West Virginia . . . . .      |            |           |           |           |            |            |            |            |
| 33 North Carolina . . . . .     | 393,751    | 478,103   | 555,500   | 638,829   | 737,987    | 753,419    | 899,039    | 992,622    |
| 34 South Carolina . . . . .     | 249,073    | 345,591   | 415,115   | 502,741   | 581,185    | 594,398    | 688,697    | 703,708    |
| 35 Georgia . . . . .            | 82,548     | 182,680   | 252,433   | 340,969   | 516,823    | 601,392    | 903,186    | 1,057,286  |
| 36 Florida . . . . .            |            |           |           |           | 34,730     | 54,477     | 87,445     | 140,424    |
| 37 East South Central . . . . . | 109,888    | 336,407   | 708,590   | 1,190,439 | 1,815,969  | 2,575,445  | 3,363,271  | 4,020,891  |
| 38 Kentucky . . . . .           | 73,677     | 220,955   | 406,511   | 564,317   | 687,917    | 770,828    | 982,405    | 1,155,684  |
| 39 Tennessee . . . . .          | 35,691     | 105,602   | 261,727   | 422,823   | 681,904    | 826,210    | 1,092,717  | 1,109,801  |
| 40 Alabama . . . . .            |            |           |           | 127,901   | 309,627    | 590,756    | 771,823    | 964,201    |
| 41 Mississippi . . . . .        |            | 8,850     | 40,352    | 75,448    | 136,621    | 375,651    | 606,526    | 791,805    |
| 42 West South Central . . . . . |            |           | 77,618    | 187,880   | 246,127    | 449,685    | 940,251    | 1,747,667  |
| 43 Arkansas . . . . .           |            |           | 1,002     | 14,273    | 30,388     | 97,574     | 209,897    | 435,450    |
| 44 Louisiana . . . . .          |            |           | 76,556    | 153,407   | 215,739    | 352,411    | 517,752    | 708,002    |
| 45 Oklahoma . . . . .           |            |           |           |           |            |            |            |            |
| 46 Texas . . . . .              |            |           |           |           |            |            | 212,592    | 604,215    |
| 47 Mountain . . . . .           |            |           |           |           |            |            |            |            |
| 48 Montana . . . . .            |            |           |           |           |            |            | 72,927     | 174,923    |
| 49 Idaho . . . . .              |            |           |           |           |            |            |            |            |
| 50 Wyoming . . . . .            |            |           |           |           |            |            |            |            |
| 51 Colorado . . . . .           |            |           |           |           |            |            |            |            |
| 52 New Mexico . . . . .         |            |           |           |           |            |            |            | 34,277     |
| 53 Arizona . . . . .            |            |           |           |           |            |            | 61,647     | 93,616     |
| 54 Utah . . . . .               |            |           |           |           |            |            |            |            |
| 55 Nevada . . . . .             |            |           |           |           |            |            | 11,380     | 40,273     |
| 56 Pacific . . . . .            |            |           |           |           |            |            |            | 6,857      |
| 57 Washington . . . . .         |            |           |           |           |            |            | 105,891    | 444,058    |
| 58 Oregon . . . . .             |            |           |           |           |            |            |            | 11,594     |
| 59 California . . . . .         |            |           |           |           |            |            | 13,294     | 52,465     |
|                                 |            |           |           |           |            |            | 92,597     | 379,994    |

1 A minus sign (—) denotes decrease.

2 Includes population (325,464) of Indian Territory and Indian reservations, specially enumerated in 1890, but not included in the general report on population for 1890.

3 Includes persons (6,318 in 1880 and 6,100 in 1890) on public ships in the service of the United States not credited to any division or State.

Source: Bureau of the Census, Department of Commerce.

## AT EACH CENSUS, 1790 TO 1930

Southern States is considered incomplete

| Population—Continued |            |                   |            |            |             |             | Per cent increase <sup>1</sup> |           | Per cent distribution |       |
|----------------------|------------|-------------------|------------|------------|-------------|-------------|--------------------------------|-----------|-----------------------|-------|
| 1870                 | 1880       | 1890 <sup>2</sup> | 1900       | 1910       | 1920        | 1930        | 1900-1930                      | 1920-1930 | 1920                  | 1930  |
| 88,568,371           | 60,165,783 | 62,947,714        | 75,994,575 | 81,972,266 | 105,710,820 | 122,775,048 | 61.6                           | 18.1      | 100.0                 | 100.0 |
| 3,487,824            | 4,010,529  | 4,700,749         | 5,592,017  | 6,562,881  | 7,400,909   | 8,198,341   | 46.0                           | 10.3      | 7.0                   | 6.7   |
| 626,916              | 648,936    | 661,086           | 694,463    | 742,371    | 768,014     | 797,423     | 14.8                           | 3.8       | .7                    | .6    |
| 318,300              | 346,991    | 370,530           | 411,588    | 430,572    | 443,083     | 455,293     | 13.0                           | 5.0       | .4                    | .4    |
| 330,551              | 332,286    | 332,422           | 343,641    | 355,956    | 352,428     | 356,611     | 4.6                            | 2.0       | .3                    | .3    |
| 1,457,861            | 1,783,085  | 2,238,947         | 2,805,346  | 3,366,418  | 3,852,356   | 4,249,614   | 51.5                           | 10.3      | 3.6                   | 3.5   |
| 217,353              | 276,531    | 345,506           | 428,556    | 542,610    | 604,397     | 687,497     | 60.4                           | 13.7      | .6                    | .7    |
| 537,454              | 622,700    | 746,258           | 908,420    | 1,114,756  | 1,380,631   | 1,606,903   | 76.9                           | 16.4      | 1.3                   | 1.3   |
| 8,810,806            | 10,498,878 | 12,708,220        | 15,454,878 | 19,315,892 | 22,281,144  | 26,280,760  | 68.9                           | 18.0      | 21.1                  | 21.4  |
| 4,382,759            | 5,082,871  | 6,003,174         | 7,268,804  | 9,113,614  | 10,385,227  | 12,588,066  | 73.2                           | 21.2      | 9.8                   | 10.3  |
| 900,096              | 1,131,116  | 1,444,933         | 1,883,699  | 2,537,167  | 3,155,900   | 4,041,334   | 114.5                          | 23.1      | 3.0                   | 3.3   |
| 3,521,951            | 4,282,891  | 5,258,113         | 6,302,115  | 7,665,111  | 8,720,017   | 9,631,350   | 52.8                           | 10.5      | 8.2                   | 7.8   |
| 9,124,517            | 11,206,668 | 13,478,306        | 15,985,581 | 18,250,621 | 21,475,543  | 25,297,185  | 58.3                           | 17.8      | 20.3                  | 20.6  |
| 2,665,290            | 3,198,002  | 3,672,329         | 4,157,545  | 4,787,121  | 5,759,894   | 6,646,697   | 59.9                           | 15.4      | 5.4                   | 5.4   |
| 1,080,637            | 1,078,801  | 2,102,404         | 2,516,462  | 2,700,876  | 2,930,390   | 3,238,593   | 28.7                           | 10.5      | 2.8                   | 2.6   |
| 2,539,891            | 3,077,871  | 3,826,362         | 4,821,550  | 5,038,591  | 6,485,290   | 7,630,554   | 58.3                           | 17.7      | 6.1                   | 6.2   |
| 1,184,059            | 1,636,937  | 2,093,890         | 2,420,982  | 2,810,173  | 3,088,412   | 4,842,325   | 100.0                          | 32.0      | 3.5                   | 3.9   |
| 1,054,670            | 1,315,497  | 1,693,330         | 2,069,402  | 2,333,860  | 2,632,067   | 3,006,006   | 42.0                           | 11.7      | 2.5                   | 2.4   |
| 3,856,594            | 6,157,443  | 8,982,112         | 10,347,428 | 11,837,921 | 12,544,249  | 13,296,915  | 28.5                           | 6.0       | 11.9                  | 10.8  |
| 439,706              | 780,773    | 1,310,283         | 1,751,394  | 2,075,708  | 2,387,125   | 2,553,953   | 46.4                           | 7.4       | 2.3                   | 2.1   |
| 1,194,020            | 1,624,611  | 1,912,297         | 2,231,863  | 2,224,771  | 2,404,021   | 2,470,939   | 10.7                           | 2.8       | 2.3                   | 2.0   |
| 1,721,295            | 2,108,380  | 2,679,185         | 3,106,665  | 3,293,335  | 3,404,055   | 3,629,367   | 16.8                           | 6.6       | 3.2                   | 3.0   |
| 2,405                | 36,900     | 100,983           | 319,146    | 577,055    | 648,872     | 680,845     | 113.3                          | 5.3       | .6                    | .6    |
| 111,776              | 98,268     | 348,600           | 401,570    | 583,888    | 636,547     | 692,949     | 72.5                           | 8.8       | .6                    | .6    |
| 122,993              | 452,402    | 1,062,656         | 1,066,300  | 1,192,214  | 1,296,372   | 1,377,963   | 29.2                           | 0.3       | 1.2                   | 1.1   |
| 864,399              | 996,096    | 1,428,108         | 1,470,495  | 1,690,949  | 1,769,257   | 1,830,999   | 27.9                           | 6.3       | 1.7                   | 1.5   |
| 6,853,610            | 7,597,197  | 8,867,922         | 10,443,480 | 12,194,895 | 13,990,272  | 15,793,589  | 51.2                           | 12.9      | 13.2                  | 12.9  |
| 125,016              | 146,608    | 168,403           | 184,735    | 202,322    | 223,003     | 238,380     | 20.0                           | 6.9       | .2                    | .2    |
| 780,894              | 934,943    | 1,042,390         | 1,188,044  | 1,295,346  | 1,449,661   | 1,631,526   | 37.3                           | 12.5      | 1.4                   | 1.3   |
| 131,700              | 177,624    | 230,392           | 278,718    | 331,069    | 437,571     | 486,869     | 74.7                           | 11.3      | .4                    | .4    |
| 1,225,163            | 1,512,555  | 1,855,980         | 1,854,184  | 2,061,612  | 2,309,187   | 2,421,851   | 30.6                           | 4.9       | 2.2                   | 2.0   |
| 442,014              | 618,457    | 762,794           | 968,800    | 1,221,119  | 1,463,701   | 1,729,205   | 80.4                           | 18.1      | 1.4                   | 1.4   |
| 1,071,361            | 1,399,750  | 1,617,949         | 1,893,810  | 2,206,287  | 2,559,123   | 3,170,276   | 67.4                           | 23.9      | 2.4                   | 2.6   |
| 706,606              | 995,577    | 1,181,149         | 1,340,316  | 1,515,400  | 1,683,724   | 1,738,765   | 29.7                           | 3.8       | 1.6                   | 1.4   |
| 1,184,109            | 1,542,180  | 1,837,353         | 2,216,331  | 2,009,121  | 2,895,832   | 2,908,506   | 31.2                           | .4        | 2.7                   | 2.4   |
| 187,748              | 269,493    | 391,422           | 528,542    | 752,619    | 895,470     | 1,468,211   | 177.8                          | 61.6      | .9                    | 1.3   |
| 4,404,445            | 5,535,151  | 6,429,154         | 7,547,757  | 8,409,901  | 8,893,307   | 9,387,214   | 31.0                           | 11.2      | 8.4                   | 8.1   |
| 1,321,611            | 1,648,690  | 1,868,635         | 2,147,174  | 2,280,906  | 2,416,630   | 2,614,589   | 21.8                           | 8.2       | 2.3                   | 2.1   |
| 1,258,520            | 1,542,359  | 1,767,518         | 2,020,616  | 2,184,789  | 2,337,885   | 2,616,556   | 29.5                           | 11.9      | 2.2                   | 2.1   |
| 996,992              | 1,262,605  | 1,513,401         | 1,828,697  | 2,138,093  | 2,348,174   | 2,646,248   | 44.7                           | 12.7      | 2.2                   | 2.0   |
| 827,922              | 1,131,597  | 1,289,600         | 1,551,270  | 1,797,114  | 2,090,618   | 2,409,821   | 29.6                           | 12.2      | 1.7                   | 1.6   |
| 2,029,965            | 3,334,220  | 4,740,983         | 6,532,280  | 8,764,534  | 10,242,224  | 12,176,830  | 38.4                           | 18.9      | 9.7                   | 9.0   |
| 484,471              | 802,625    | 1,128,211         | 1,311,564  | 1,574,449  | 1,752,204   | 1,854,482   | 41.4                           | 5.8       | 1.7                   | 1.5   |
| 726,916              | 939,946    | 1,118,598         | 1,381,625  | 1,666,388  | 1,798,509   | 2,101,538   | 52.1                           | 16.9      | 1.7                   | 1.7   |
| 813,579              | 1,591,749  | 2,235,527         | 3,048,710  | 3,896,542  | 4,663,228   | 5,242,715   | 91.1                           | 24.9      | 4.0                   | 4.6   |
| 515,385              | 653,119    | 1,213,935         | 1,674,657  | 2,633,517  | 3,336,101   | 3,701,789   | 121.0                          | 11.0      | 3.2                   | 3.0   |
| 20,695               | 39,159     | 142,924           | 243,329    | 376,053    | 545,889     | 537,066     | 120.9                          | -2.1      | .5                    | .4    |
| 14,999               | 32,610     | 88,548            | 161,772    | 325,594    | 451,566     | 445,032     | 175.1                          | 3.0       | .4                    | .4    |
| 9,118                | 20,789     | 62,555            | 92,551     | 145,955    | 194,402     | 225,565     | 143.8                          | 16.0      | .2                    | .2    |
| 39,884               | 194,327    | 413,249           | 539,700    | 799,024    | 939,629     | 1,035,791   | 91.9                           | 10.2      | .9                    | .8    |
| 91,874               | 119,565    | 100,282           | 195,310    | 327,301    | 360,550     | 423,317     | 116.7                          | 17.5      | .3                    | .3    |
| 9,668                | 40,440     | 88,243            | 122,951    | 204,354    | 334,162     | 455,573     | 254.3                          | 30.3      | .8                    | .5    |
| 86,789               | 143,963    | 210,779           | 276,749    | 373,351    | 449,396     | 507,847     | 83.5                           | 13.0      | .4                    | .4    |
| 42,491               | 62,296     | 47,355            | 42,355     | 81,876     | 77,407      | 91,068      | 115.1                          | 17.6      | .1                    | .1    |
| 675,125              | 1,114,578  | 1,888,334         | 2,418,692  | 4,192,304  | 5,568,871   | 8,194,433   | 239.1                          | 47.2      | 5.3                   | 6.7   |
| 23,965               | 75,116     | 357,252           | 518,193    | 1,141,980  | 1,356,621   | 1,593,396   | 201.8                          | 15.2      | 1.3                   | 1.3   |
| 90,923               | 174,768    | 317,704           | 413,590    | 672,765    | 783,889     | 935,786     | 130.6                          | 21.8      | .7                    | .8    |
| 560,247              | 864,694    | 1,213,998         | 1,485,053  | 2,377,549  | 3,426,861   | 5,677,251   | 282.3                          | 65.7      | 3.2                   | 4.6   |

<sup>4</sup> Population of area taken to form State of Missouri in 1821; part of Louisiana Territory in 1810.<sup>5</sup> Population shown for South Dakota in 1860 represents entire Dakota Territory; for 1870 and 1880, population parts as since existing have been segregated.<sup>6</sup> Area now constituting West Virginia formed part of Virginia prior to 1870.<sup>7</sup> Population of area taken to form Arkansas Territory in 1819; part of Louisiana Territory in 1810.<sup>8</sup> Includes population of Indian Territory, as follows: 1890, 180,182; 1900, 392,000.

# No. 7.—DISTRIBUTION OF POPULATION IN GROUPS OF CITIES AND IN RURAL TERRITORY

NOTE.—Prior to 1930 all incorporated places and also towns (townships) in Massachusetts, Rhode Island, and New Hampshire having 2,500 or more inhabitants, are classed as urban areas. For 1930, urban areas also include unincorporated political subdivisions with a total population of 10,000 or more inhabitants and a population density of 1,000 per square mile and include for the three New England States named above only those towns which contain a village of more than 2,500 inhabitants comprising, either by itself or when combined with other villages within the same town, more than 50 per cent of the population of the town. The total urban and rural population for 1880 and 1890 is as follows: Urban—1880, 44,358,167; 1890, 22,293,359; rural—1880, 35,707,616; 1890, 40,649,355; per cent urban—1880, 28.0; 1890, 35.4.

| Class                                  | 1900             |            | 1910             |            | 1920             |             |
|----------------------------------------|------------------|------------|------------------|------------|------------------|-------------|
|                                        | Number of places | Population | Number of places | Population | Number of places | Population  |
| Total                                  |                  | 75,994,575 |                  | 91,972,266 |                  | 105,710,620 |
| Urban territory                        | 1,801            | 30,380,433 | 2,313            | 42,166,120 | 2,787            | 54,304,603  |
| Places of 1,000,000 or more            | 3                | 9,429,474  | 3                | 8,501,174  | 3                | 10,145,532  |
| Places of 500,000 to 1,000,000         | 3                | 1,645,087  | 5                | 3,010,067  | 9                | 6,223,769   |
| Places of 250,000 to 500,000           | 9                | 2,861,296  | 11               | 3,949,839  | 13               | 4,540,838   |
| Places of 100,000 to 250,000           | 23               | 3,272,490  | 31               | 4,840,463  | 43               | 6,519,187   |
| Places of 50,000 to 100,000            | 40               | 2,709,338  | 59               | 4,178,815  | 76               | 5,265,747   |
| Places of 25,000 to 50,000             | 82               | 2,800,627  | 119              | 4,026,045  | 143              | 5,075,041   |
| Places of 10,000 to 25,000             | 280              | 4,338,250  | 397              | 5,524,434  | 459              | 6,042,742   |
| Places of 5,000 to 10,000              | 403              | 3,220,766  | 612              | 4,254,866  | 721              | 4,997,794   |
| Places of 2,500 to 5,000               | 893              | 3,103,105  | 1,106            | 3,879,732  | 1,320            | 4,593,953   |
| Rural territory                        |                  | 45,614,142 |                  | 49,806,148 |                  | 51,406,017  |
| Incorporated places of less than 2,500 | 8,930            | 6,301,533  | 11,329           | 8,104,028  | 12,853           | 8,963,125   |
| Other rural territory                  |                  | 39,312,609 |                  | 41,641,518 |                  | 42,442,892  |

  

| Class                                  | Number of places | Population  | Per cent of total population |       |       |       |
|----------------------------------------|------------------|-------------|------------------------------|-------|-------|-------|
|                                        |                  |             | 1900                         | 1910  | 1920  | 1930  |
| Total                                  |                  | 122,775,046 | 100.0                        | 100.0 | 100.0 | 100.0 |
| Urban territory                        | 3,185            | 88,954,823  | 40.0                         | 45.8  | 51.4  | 56.2  |
| Places of 1,000,000 or more            | 5                | 15,064,555  | 8.5                          | 9.2   | 9.6   | 12.3  |
| Places of 500,000 to 1,000,000         | 8                | 5,763,987   | 2.2                          | 3.3   | 5.0   | 4.7   |
| Places of 250,000 to 500,000           | 24               | 7,956,228   | 3.8                          | 4.3   | 4.3   | 6.5   |
| Places of 100,000 to 250,000           | 56               | 7,540,960   | 4.3                          | 5.3   | 6.2   | 6.1   |
| Places of 50,000 to 100,000            | 98               | 6,491,448   | 3.6                          | 4.5   | 5.0   | 5.3   |
| Places of 25,000 to 50,000             | 185              | 6,425,093   | 3.7                          | 4.4   | 4.8   | 5.2   |
| Places of 10,000 to 25,000             | 606              | 9,097,200   | 5.7                          | 6.0   | 6.6   | 7.4   |
| Places of 5,000 to 10,000              | 861              | 5,897,156   | 4.2                          | 4.6   | 4.7   | 4.8   |
| Places of 2,500 to 5,000               | 1,332            | 4,717,590   | 4.1                          | 4.2   | 4.3   | 3.8   |
| Rural territory                        |                  | 33,820,223  | 60.0                         | 54.2  | 48.6  | 43.8  |
| Incorporated places of less than 2,500 | 13,438           | 9,133,453   | 8.3                          | 8.9   | 8.5   | 7.5   |
| Other rural territory                  |                  | 44,636,770  | 51.7                         | 45.3  | 40.2  | 36.4  |

## No. 8.—POPULATION IN PLACES OF 8,000 INHABITANTS OR MORE

| Year | Total population | Places of 8,000 inhabitants or more |                  |                              | Year | Total population | Places of 8,000 inhabitants or more |                  |                              |
|------|------------------|-------------------------------------|------------------|------------------------------|------|------------------|-------------------------------------|------------------|------------------------------|
|      |                  | Population                          | Number of places | Per cent of total population |      |                  | Population                          | Number of places | Per cent of total population |
| 1760 | 3,929,214        | 131,472                             | 6                | 3.3                          | 1870 | 38,558,371       | 8,071,875                           | 226              | 20.9                         |
| 1800 | 5,303,483        | 219,373                             | 6                | 4.0                          | 1880 | 50,155,783       | 11,365,698                          | 285              | 22.7                         |
| 1810 | 7,239,881        | 355,920                             | 11               | 4.9                          | 1890 | 62,947,714       | 18,244,239                          | 445              | 29.0                         |
| 1820 | 9,638,453        | 475,135                             | 13               | 4.9                          | 1900 | 75,994,575       | 25,018,335                          | 547              | 32.9                         |
| 1830 | 12,866,020       | 864,509                             | 26               | 6.7                          | 1910 | 91,972,266       | 35,570,334                          | 768              | 38.7                         |
| 1840 | 17,009,453       | 1,453,994                           | 44               | 8.5                          | 1920 | 105,710,620      | 46,307,640                          | 924              | 43.8                         |
| 1850 | 23,191,876       | 2,897,588                           | 85               | 12.5                         | 1930 | 122,775,046      | 60,333,452                          | 1,208            | 49.1                         |
| 1860 | 31,443,321       | 5,072,255                           | 141              | 16.1                         |      |                  |                                     |                  |                              |

Source of Tables 7 and 8: Bureau of the Census, Department of Commerce.

## No. 9.—URBAN AND RURAL POPULATION, BY STATES

NOTE.—See headnote, Table 7. The proportion of urban and rural population in 1930 as compared with data for earlier censuses was affected by changes in the classification. If the segregation of urban and rural had been made in 1930 on the same basis as in 1920, the per cent urban in 1930 for the areas affected would have been as follows: United States, 55.9; New Hampshire, 66.3; Massachusetts, 95.3; Rhode Island, 97.5; Connecticut, 65.0; New York, 85.4; New Jersey, 77.5; Pennsylvania, 65.7; California, 72.4

| Division and State                     | 1910         |              | 1920         |              | 1930         |              | Per cent urban |       |       |
|----------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|-------|-------|
|                                        | Urban        | Rural        | Urban        | Rural        | Urban        | Rural        | 1910           | 1920  | 1930  |
| <b>Continental United States</b> ..... | 42, 166, 120 | 49, 806, 146 | 54, 304, 603 | 61, 408, 017 | 68, 954, 823 | 53, 820, 223 | 45.8           | 51.4  | 56.2  |
| <b>New England</b> .....               | 4, 998, 082  | 1, 554, 599  | 5, 865, 073  | 1, 535, 836  | 6, 311, 976  | 1, 854, 365  | 76.3           | 79.2  | 77.3  |
| Maine.....                             | 262, 248     | 480, 123     | 209, 569     | 468, 445     | 321, 066     | 475, 917     | 35.3           | 39.0  | 40.3  |
| New Hampshire <sup>1</sup> .....       | 255, 099     | 175, 473     | 279, 761     | 163, 322     | 273, 079     | 192, 214     | 59.2           | 63.1  | 58.7  |
| Vermont.....                           | 98, 917      | 257, 039     | 109, 976     | 242, 452     | 118, 766     | 240, 845     | 27.8           | 31.2  | 33.0  |
| Massachusetts <sup>1</sup> .....       | 3, 125, 367  | 241, 049     | 3, 650, 248  | 202, 103     | 3, 831, 426  | 418, 188     | 92.8           | 94.8  | 90.2  |
| Rhode Island <sup>1</sup> .....        | 524, 654     | 17, 956      | 589, 180     | 15, 217      | 635, 429     | 52, 068      | 96.7           | 97.5  | 92.4  |
| Connecticut <sup>1</sup> .....         | 731, 797     | 382, 959     | 936, 339     | 444, 292     | 1, 131, 770  | 475, 133     | 65.6           | 67.8  | 70.4  |
| <b>Middle Atlantic</b> .....           | 13, 723, 373 | 5, 592, 519  | 13, 872, 596 | 5, 588, 549  | 20, 394, 707 | 5, 868, 043  | 71.0           | 74.9  | 77.7  |
| New York <sup>1</sup> .....            | 7, 185, 494  | 1, 928, 120  | 8, 589, 844  | 1, 795, 383  | 10, 521, 952 | 2, 056, 114  | 78.8           | 82.7  | 83.6  |
| New Jersey <sup>1</sup> .....          | 1, 907, 210  | 629, 957     | 2, 474, 936  | 680, 964     | 3, 339, 244  | 702, 090     | 75.2           | 78.4  | 82.6  |
| Pennsylvania <sup>1</sup> .....        | 4, 630, 669  | 3, 034, 442  | 5, 607, 815  | 3, 112, 202  | 6, 533, 511  | 3, 097, 839  | 60.4           | 67.8  | 67.8  |
| <b>East North Central</b> .....        | 9, 617, 271  | 8, 633, 350  | 13, 049, 272 | 8, 426, 271  | 18, 794, 908 | 8, 502, 277  | 52.7           | 60.8  | 66.4  |
| Ohio.....                              | 2, 665, 143  | 2, 101, 978  | 3, 377, 136  | 2, 082, 258  | 4, 507, 371  | 2, 139, 326  | 55.9           | 63.8  | 67.8  |
| Indiana.....                           | 1, 143, 835  | 1, 557, 041  | 1, 482, 856  | 1, 447, 535  | 1, 795, 892  | 1, 442, 611  | 42.4           | 50.6  | 55.5  |
| Illinois.....                          | 3, 476, 929  | 2, 181, 662  | 4, 403, 153  | 2, 082, 127  | 5, 635, 727  | 1, 994, 027  | 61.7           | 67.9  | 73.9  |
| Michigan.....                          | 1, 327, 044  | 1, 483, 129  | 2, 241, 560  | 1, 426, 852  | 3, 302, 075  | 1, 540, 260  | 67.7           | 61.1  | 68.2  |
| Wisconsin.....                         | 1, 004, 320  | 1, 320, 540  | 1, 244, 568  | 1, 387, 409  | 1, 558, 843  | 1, 385, 163  | 43.0           | 47.3  | 52.0  |
| <b>West North Central</b> .....        | 3, 873, 716  | 7, 764, 305  | 4, 737, 372  | 7, 818, 877  | 5, 556, 131  | 7, 740, 734  | 33.3           | 37.7  | 41.8  |
| Minnesota.....                         | 850, 292     | 1, 225, 414  | 1, 051, 593  | 1, 335, 532  | 1, 257, 610  | 1, 306, 337  | 41.0           | 44.1  | 49.0  |
| Iowa.....                              | 680, 054     | 1, 544, 717  | 875, 495     | 1, 528, 526  | 979, 232     | 1, 491, 647  | 30.0           | 30.4  | 39.6  |
| Missouri.....                          | 1, 398, 817  | 1, 894, 518  | 1, 586, 908  | 1, 817, 152  | 1, 856, 119  | 1, 770, 248  | 42.5           | 46.6  | 51.2  |
| North Dakota.....                      | 63, 236      | 513, 820     | 88, 239      | 558, 633     | 113, 306     | 567, 539     | 11.0           | 13.6  | 16.6  |
| South Dakota.....                      | 76, 673      | 507, 215     | 101, 872     | 534, 675     | 130, 907     | 561, 942     | 13.1           | 16.0  | 18.9  |
| Nebraska.....                          | 310, 852     | 881, 362     | 405, 306     | 891, 066     | 488, 107     | 891, 856     | 26.1           | 31.3  | 35.3  |
| Kansas.....                            | 493, 790     | 1, 197, 159  | 617, 964     | 1, 151, 293  | 729, 834     | 1, 151, 165  | 29.2           | 34.9  | 38.8  |
| <b>South Atlantic</b> .....            | 3, 092, 153  | 9, 102, 742  | 4, 338, 792  | 8, 651, 480  | 5, 698, 122  | 10, 095, 467 | 25.4           | 31.0  | 36.1  |
| Delaware.....                          | 97, 085      | 105, 237     | 120, 767     | 102, 236     | 123, 146     | 115, 234     | 48.0           | 54.2  | 51.7  |
| Maryland.....                          | 658, 192     | 637, 154     | 809, 422     | 580, 239     | 974, 869     | 656, 667     | 50.8           | 60.0  | 59.8  |
| District of Columbia.....              | 331, 069     | .....        | 437, 571     | .....        | 486, 869     | .....        | 100.0          | 100.0 | 100.0 |
| Virginia.....                          | 476, 526     | 1, 585, 083  | 673, 984     | 1, 635, 203  | 785, 537     | 1, 636, 314  | 23.1           | 29.2  | 32.4  |
| West Virginia.....                     | 228, 242     | 992, 877     | 369, 007     | 1, 094, 694  | 491, 804     | 1, 237, 701  | 18.7           | 25.2  | 28.4  |
| North Carolina.....                    | 313, 474     | 1, 887, 813  | 490, 370     | 2, 068, 753  | 809, 847     | 2, 360, 429  | 14.4           | 19.2  | 25.5  |
| South Carolina.....                    | 224, 832     | 1, 290, 568  | 293, 987     | 1, 389, 737  | 371, 080     | 1, 367, 665  | 14.8           | 17.5  | 21.3  |
| Georgia.....                           | 538, 650     | 2, 070, 471  | 727, 859     | 2, 167, 973  | 895, 492     | 2, 013, 014  | 20.0           | 26.1  | 30.8  |
| Florida.....                           | 219, 080     | 533, 539     | 355, 825     | 612, 645     | 759, 778     | 708, 433     | 29.1           | 36.7  | 51.7  |
| <b>East South Central</b> .....        | 1, 574, 229  | 6, 835, 672  | 1, 994, 207  | 6, 899, 100  | 2, 778, 687  | 7, 108, 527  | 13.7           | 22.4  | 28.1  |
| Kentucky.....                          | 555, 442     | 1, 734, 463  | 633, 543     | 1, 733, 087  | 799, 026     | 1, 815, 563  | 24.3           | 26.2  | 30.6  |
| Tennessee.....                         | 441, 045     | 1, 743, 744  | 611, 226     | 1, 726, 659  | 896, 538     | 1, 720, 018  | 20.2           | 20.1  | 34.3  |
| Alabama.....                           | 370, 431     | 1, 767, 662  | 505, 317     | 1, 838, 857  | 744, 273     | 1, 901, 975  | 17.3           | 21.7  | 28.1  |
| Mississippi.....                       | 207, 311     | 1, 589, 803  | 240, 121     | 1, 550, 497  | 338, 850     | 1, 670, 971  | 11.5           | 13.4  | 16.9  |
| <b>West South Central</b> .....        | 1, 957, 456  | 6, 827, 778  | 2, 970, 829  | 7, 271, 895  | 4, 427, 439  | 7, 749, 391  | 22.3           | 29.0  | 36.4  |
| Arkansas.....                          | 202, 681     | 1, 371, 768  | 290, 497     | 1, 401, 707  | 382, 878     | 1, 471, 004  | 12.9           | 16.0  | 20.6  |
| Louisiana.....                         | 496, 516     | 1, 159, 872  | 628, 163     | 1, 170, 346  | 833, 532     | 1, 268, 061  | 30.0           | 34.9  | 39.7  |
| Oklahoma.....                          | 320, 155     | 1, 337, 000  | 539, 480     | 1, 488, 803  | 821, 681     | 1, 574, 359  | 19.3           | 20.6  | 34.8  |
| Texas.....                             | 938, 104     | 2, 958, 438  | 1, 512, 689  | 3, 150, 539  | 2, 389, 348  | 3, 435, 367  | 24.1           | 32.4  | 41.0  |
| <b>Mountain</b> .....                  | 947, 611     | 1, 888, 006  | 1, 214, 980  | 2, 121, 121  | 1, 457, 922  | 2, 243, 867  | 36.0           | 36.4  | 38.4  |
| Montana.....                           | 135, 420     | 242, 633     | 172, 011     | 376, 878     | 181, 036     | 356, 570     | 35.5           | 31.3  | 38.7  |
| Idaho.....                             | 69, 808      | 255, 696     | 119, 037     | 312, 829     | 129, 507     | 315, 526     | 21.5           | 27.6  | 29.1  |
| Wyoming.....                           | 43, 221      | 102, 744     | 67, 348      | 137, 054     | 70, 097      | 155, 468     | 29.6           | 29.5  | 31.1  |
| Colorado.....                          | 404, 840     | 394, 184     | 453, 259     | 486, 370     | 519, 882     | 515, 909     | 50.7           | 48.2  | 50.2  |
| New Mexico.....                        | 46, 571      | 280, 730     | 64, 960      | 295, 390     | 106, 816     | 316, 501     | 14.2           | 13.0  | 25.2  |
| Arizona.....                           | 63, 260      | 141, 094     | 117, 527     | 216, 636     | 149, 856     | 285, 717     | 31.0           | 35.2  | 34.4  |
| Utah.....                              | 172, 934     | 200, 417     | 215, 584     | 233, 812     | 266, 264     | 241, 583     | 46.0           | 48.0  | 52.4  |
| Nevada.....                            | 13, 367      | 68, 608      | 15, 254      | 62, 153      | 34, 464      | 56, 594      | 16.3           | 19.7  | 37.8  |
| <b>Pacific</b> .....                   | 2, 882, 329  | 1, 809, 975  | 3, 471, 433  | 2, 095, 388  | 5, 534, 881  | 2, 858, 552  | 58.9           | 62.4  | 67.5  |
| Washington.....                        | 605, 530     | 536, 450     | 748, 735     | 607, 886     | 884, 539     | 678, 867     | 53.0           | 55.2  | 56.6  |
| Oregon.....                            | 307, 060     | 365, 705     | 391, 019     | 392, 370     | 480, 746     | 464, 040     | 45.6           | 49.9  | 51.3  |
| California <sup>1</sup> .....          | 1, 469, 739  | 907, 810     | 2, 331, 729  | 1, 095, 132  | 4, 160, 596  | 1, 516, 655  | 61.8           | 68.0  | 73.8  |

<sup>1</sup> See headnote.

# NO. 10.—FARM POPULATION AND RURAL NONFARM POPULATION: BY STATES

NOTE.—For farm population Jan. 1, 1935, as reported in the Agricultural Census of 1935, consult index for references to tables in section 25, Farms-General Statistics.

| Division and State | Farm population |              |                              |       | Rural-farm population |              | Urban-farm population |          | Rural nonfarm population, 1930 |
|--------------------|-----------------|--------------|------------------------------|-------|-----------------------|--------------|-----------------------|----------|--------------------------------|
|                    | Number          |              | Per cent of total population |       |                       |              |                       |          |                                |
|                    | 1920            | 1930         | 1920                         | 1930  | 1920                  | 1930         | 1920                  | 1930     |                                |
| Continental U. S.  | 31, 814, 289    | 30, 445, 950 | 28. 8                        | 24. 8 | 31, 358, 640          | 30, 167, 612 | 265, 639              | 287, 837 | 23, 662, 710                   |
| New England        | 625, 877        | 573, 251     | 8. 6                         | 7. 0  | 655, 422              | 499, 083     | 90, 455               | 74, 188  | 1, 355, 282                    |
| Maine              | 197, 001        | 170, 995     | 25. 7                        | 21. 4 | 189, 026              | 161, 429     | 8, 575                | 9, 565   | 314, 438                       |
| New Hampshire      | 76, 021         | 62, 850      | 17. 2                        | 13. 6 | 64, 607               | 54, 911      | 11, 414               | 7, 939   | 137, 303                       |
| Vermont            | 125, 203        | 112, 904     | 35. 6                        | 31. 4 | 124, 445              | 111, 898     | 815                   | 1, 005   | 128, 947                       |
| Massachusetts      | 1, 098, 554     | 123, 255     | 3. 1                         | 2. 9  | 61, 732               | 80, 300      | 56, 822               | 42, 946  | 337, 870                       |
| Rhode Island       | 16, 130         | 16, 477      | 2. 6                         | 2. 4  | 5, 315                | 10, 239      | 9, 821                | 6, 188   | 41, 770                        |
| Connecticut        | 93, 302         | 88, 770      | 6. 8                         | 5. 4  | 90, 297               | 80, 247      | 3, 005                | 6, 523   | 394, 886                       |
| Middle Atlantic    | 1, 892, 789     | 1, 707, 719  | 8. 5                         | 6. 5  | 1, 861, 181           | 1, 673, 694  | 31, 625               | 34, 025  | 4, 192, 349                    |
| New York           | 800, 747        | 719, 929     | 7. 7                         | 5. 7  | 782, 894              | 700, 446     | 17, 763               | 13, 483  | 1, 350, 068                    |
| New Jersey         | 143, 708        | 131, 090     | 4. 6                         | 3. 2  | 136, 847              | 121, 008     | 6, 861                | 10, 088  | 531, 082                       |
| Pennsylvania       | 948, 334        | 856, 694     | 10. 9                        | 8. 9  | 941, 300              | 846, 240     | 6, 974                | 10, 454  | 2, 251, 590                    |
| East North Central | 4, 913, 653     | 4, 488, 933  | 22. 9                        | 17. 7 | 4, 887, 204           | 4, 453, 114  | 26, 428               | 55, 819  | 4, 049, 163                    |
| Ohio               | 1, 139, 529     | 1, 013, 229  | 19. 8                        | 16. 2 | 1, 133, 912           | 1, 004, 285  | 5, 417                | 8, 941   | 1, 135, 038                    |
| Indiana            | 907, 205        | 815, 007     | 31. 0                        | 25. 1 | 902, 820              | 803, 381     | 4, 476                | 4, 020   | 633, 030                       |
| Illinois           | 1, 098, 252     | 990, 249     | 16. 9                        | 13. 1 | 1, 090, 736           | 901, 401     | 7, 520                | 7, 848   | 1, 003, 520                    |
| Michigan           | 845, 710        | 782, 394     | 23. 1                        | 16. 2 | 844, 499              | 775, 438     | 4, 211                | 6, 958   | 704, 814                       |
| Wisconsin          | 920, 067        | 881, 064     | 35. 0                        | 30. 0 | 915, 237              | 873, 008     | 4, 800                | 8, 046   | 612, 185                       |
| West North Central | 5, 171, 693     | 5, 038, 135  | 41. 2                        | 38. 1 | 5, 153, 183           | 5, 035, 561  | 18, 413               | 32, 574  | 2, 708, 173                    |
| Minnesota          | 897, 181        | 895, 849     | 37. 6                        | 34. 9 | 893, 400              | 888, 049     | 3, 721                | 7, 300   | 418, 288                       |
| Iowa               | 984, 799        | 977, 000     | 41. 0                        | 39. 6 | 977, 694              | 964, 659     | 7, 105                | 13, 247  | 520, 988                       |
| Missouri           | 1, 211, 340     | 1, 114, 434  | 35. 8                        | 30. 7 | 1, 207, 689           | 1, 108, 960  | 3, 447                | 5, 515   | 661, 270                       |
| North Dakota       | 394, 600        | 397, 204     | 61. 0                        | 63. 4 | 393, 622              | 396, 871     | 878                   | 423      | 170, 608                       |
| South Dakota       | 302, 221        | 390, 205     | 66. 9                        | 66. 3 | 361, 885              | 389, 431     | 335                   | 774      | 172, 511                       |
| Nebraska           | 584, 172        | 555, 701     | 45. 1                        | 42. 6 | 582, 738              | 562, 081     | 1, 434                | 2, 720   | 308, 875                       |
| Kansas             | 737, 377        | 707, 195     | 41. 7                        | 37. 6 | 735, 834              | 704, 601     | 1, 493                | 2, 595   | 440, 604                       |
| South Atlantic     | 6, 416, 898     | 5, 899, 176  | 45. 9                        | 37. 3 | 6, 397, 757           | 5, 878, 066  | 18, 641               | 19, 220  | 4, 216, 511                    |
| Delaware           | 51, 212         | 46, 530      | 23. 0                        | 19. 5 | 51, 151               | 46, 302      | 61                    | 1        | 68, 932                        |
| Maryland           | 270, 226        | 237, 458     | 19. 3                        | 14. 6 | 277, 656              | 238, 172     | 1, 560                | 1, 254   | 420, 486                       |
| Dist. of Columbia  | 1, 694          | 435          | 2                            | 1     |                       |              | 1, 694                | 435      |                                |
| Virginia           | 1, 064, 417     | 950, 767     | 46. 1                        | 39. 3 | 1, 056, 013           | 948, 746     | 4, 504                | 2, 011   | 687, 608                       |
| West Virginia      | 477, 934        | 449, 114     | 32. 7                        | 26. 0 | 476, 631              | 447, 750     | 1, 293                | 1, 364   | 789, 961                       |
| North Carolina     | 1, 501, 227     | 1, 606, 018  | 53. 7                        | 50. 5 | 1, 499, 546           | 1, 597, 220  | 1, 281                | 2, 698   | 763, 200                       |
| South Carolina     | 1, 074, 003     | 916, 471     | 63. 8                        | 52. 7 | 1, 072, 470           | 914, 006     | 2, 214                | 2, 373   | 653, 687                       |
| Georgia            | 1, 985, 213     | 1, 418, 514  | 58. 2                        | 46. 8 | 1, 980, 611           | 1, 413, 719  | 4, 002                | 4, 795   | 590, 295                       |
| Florida            | 281, 893        | 278, 981     | 29. 1                        | 19. 0 | 279, 370              | 274, 049     | 2, 523                | 4, 032   | 433, 484                       |
| East South Central | 5, 182, 937     | 5, 095, 066  | 58. 3                        | 51. 5 | 5, 174, 806           | 5, 084, 435  | 8, 131                | 10, 661  | 2, 024, 092                    |
| Kentucky           | 1, 304, 882     | 1, 176, 624  | 64. 0                        | 45. 0 | 1, 302, 342           | 1, 174, 232  | 2, 520                | 2, 292   | 641, 331                       |
| Tennessee          | 1, 271, 708     | 1, 215, 452  | 54. 4                        | 46. 5 | 1, 269, 170           | 1, 213, 065  | 2, 520                | 2, 387   | 800, 953                       |
| Alabama            | 1, 536, 885     | 1, 340, 277  | 56. 9                        | 50. 6 | 1, 534, 512           | 1, 336, 400  | 1, 372                | 3, 868   | 866, 660                       |
| Mississippi        | 1, 270, 482     | 1, 362, 843  | 71. 0                        | 67. 8 | 1, 268, 722           | 1, 300, 729  | 1, 710                | 2, 114   | 1, 010, 242                    |
| West South Central | 6, 228, 198     | 5, 826, 412  | 61. 0                        | 48. 7 | 6, 210, 870           | 5, 807, 938  | 17, 629               | 18, 473  | 2, 441, 459                    |
| Arkansas           | 1, 247, 040     | 1, 130, 408  | 65. 5                        | 60. 4 | 1, 244, 432           | 1, 117, 830  | 2, 607                | 2, 134   | 354, 274                       |
| Louisiana          | 788, 050        | 830, 605     | 63. 7                        | 30. 5 | 784, 455              | 826, 882     | 1, 595                | 3, 724   | 441, 170                       |
| Oklahoma           | 1, 017, 227     | 1, 024, 070  | 40. 2                        | 42. 7 | 1, 015, 889           | 1, 021, 174  | 1, 428                | 2, 896   | 555, 185                       |
| Texas              | 2, 277, 773     | 2, 352, 272  | 48. 8                        | 40. 4 | 2, 265, 734           | 2, 342, 553  | 12, 039               | 9, 119   | 1, 092, 514                    |
| Mountain           | 1, 168, 367     | 1, 138, 718  | 35. 0                        | 30. 8 | 1, 158, 938           | 1, 123, 883  | 15, 874               | 15, 025  | 1, 120, 174                    |
| Montana            | 228, 637        | 204, 504     | 41. 1                        | 38. 1 | 225, 380              | 203, 962     | 278                   | 632      | 152, 908                       |
| Idaho              | 200, 902        | 183, 365     | 46. 5                        | 42. 3 | 196, 563              | 186, 100     | 4, 339                | 2, 265   | 120, 425                       |
| Wyoming            | 67, 306         | 73, 152      | 34. 6                        | 32. 4 | 67, 078               | 72, 905      | 230                   | 247      | 82, 663                        |
| Colorado           | 266, 073        | 282, 827     | 28. 3                        | 27. 3 | 265, 281              | 281, 038     | 792                   | 1, 789   | 234, 871                       |
| New Mexico         | 101, 446        | 158, 631     | 44. 8                        | 37. 5 | 160, 542              | 167, 906     | 904                   | 725      | 158, 505                       |
| Arizona            | 90, 560         | 98, 695      | 27. 1                        | 22. 7 | 90, 167               | 98, 819      | 393                   | 176      | 186, 808                       |
| Utah               | 140, 249        | 115, 713     | 31. 2                        | 22. 8 | 131, 872              | 106, 667     | 8, 377                | 9, 040   | 134, 916                       |
| Nevada             | 16, 164         | 16, 441      | 20. 9                        | 18. 1 | 16, 103               | 16, 296      | 61                    | 145      | 40, 238                        |
| Pacific            | 1, 014, 178     | 1, 149, 910  | 13. 2                        | 14. 0 | 985, 544              | 1, 101, 038  | 28, 629               | 47, 872  | 1, 558, 514                    |
| Washington         | 283, 382        | 304, 737     | 20. 9                        | 15. 0 | 280, 022              | 300, 143     | 3, 360                | 4, 594   | 378, 714                       |
| Oregon             | 214, 021        | 223, 667     | 27. 3                        | 23. 5 | 212, 009              | 221, 545     | 2, 012                | 2, 122   | 242, 406                       |
| California         | 516, 770        | 620, 508     | 15. 1                        | 10. 9 | 493, 513              | 579, 350     | 23, 257               | 41, 166  | 937, 305                       |

Source: Bureau of the Census, Department of Commerce.

## No. 11.—POPULATION: ANNUAL MIDYEAR ESTIMATES BY STATES

NOTE.—Estimates of population from 1926 to 1929 are based on the assumption that the increase (or decrease) each year between the censuses of 1920 and 1930 is equal to the annual average change between the two enumerations. For 1930 to 1935, the total population is estimated upon the basis of the available birth, death, immigration, and emigration figures, allowance being made for unregistered births and deaths. For State estimates for 1934 and 1935 a study of local conditions was made through State data, principally school statistics, State censuses, and a review of the farm population as indicated by the Agricultural Census of Jan. 1, 1935. The figures for 1930 to 1933 are obtained by interpolation between the 1930 census figures and the 1934 and 1935 estimates. For estimates for continental United States, for 1936, see table 12, p. 10. For actual enumerations, 1790 to 1930, see table 6, p. 4.

[All figures in thousands]

| Division and State              | 1926           | 1927           | 1928           | 1929           | 1930           | 1931           | 1932           | 1933           | 1934           | 1935           |
|---------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>Continental U.S.</b>         | <b>116,532</b> | <b>118,197</b> | <b>119,862</b> | <b>121,526</b> | <b>123,091</b> | <b>124,113</b> | <b>124,974</b> | <b>125,770</b> | <b>126,626</b> | <b>127,621</b> |
| <b>New England</b> .....        | <b>7,886</b>   | <b>7,961</b>   | <b>8,036</b>   | <b>8,110</b>   | <b>8,186</b>   | <b>8,252</b>   | <b>8,308</b>   | <b>8,360</b>   | <b>8,414</b>   | <b>8,497</b>   |
| Maine.....                      | 787            | 790            | 792            | 795            | 800            | 810            | 819            | 829            | 837            | 845            |
| New Hampshire.....              | 467            | 459            | 462            | 464            | 468            | 475            | 482            | 489            | 496            | 502            |
| Vermont.....                    | 367            | 358            | 358            | 359            | 361            | 364            | 368            | 371            | 374            | 377            |
| Massachusetts.....              | 4,104          | 4,143          | 4,182          | 4,221          | 4,257          | 4,279          | 4,295          | 4,300          | 4,326          | 4,375          |
| Rhode Island.....               | 657            | 665            | 673            | 681            | 687            | 688            | 686            | 683            | 681            | 681            |
| Connecticut.....                | 1,524          | 1,546          | 1,568          | 1,590          | 1,613          | 1,636          | 1,659          | 1,679          | 1,700          | 1,717          |
| <b>Middle Atlantic</b> .....    | <b>24,797</b>  | <b>25,188</b>  | <b>25,578</b>  | <b>25,968</b>  | <b>26,334</b>  | <b>26,559</b>  | <b>26,741</b>  | <b>26,911</b>  | <b>27,065</b>  | <b>27,245</b>  |
| New York.....                   | 11,782         | 11,997         | 12,212         | 12,427         | 12,615         | 12,690         | 12,743         | 12,791         | 12,846         | 12,890         |
| New Jersey.....                 | 3,717          | 3,804          | 3,890          | 3,977          | 4,057          | 4,110          | 4,158          | 4,202          | 4,249          | 4,288          |
| Pennsylvania.....               | 9,298          | 9,387          | 9,476          | 9,565          | 9,652          | 9,750          | 9,840          | 9,918          | 10,000         | 10,097         |
| <b>East North Central</b> ..... | <b>23,899</b>  | <b>24,272</b>  | <b>24,645</b>  | <b>25,018</b>  | <b>25,321</b>  | <b>25,377</b>  | <b>25,415</b>  | <b>25,444</b>  | <b>25,479</b>  | <b>25,592</b>  |
| Ohio.....                       | 6,322          | 6,409          | 6,495          | 6,582          | 6,656          | 6,674          | 6,685          | 6,691          | 6,701          | 6,707          |
| Indiana.....                    | 3,128          | 3,156          | 3,186          | 3,215          | 3,251          | 3,292          | 3,328          | 3,364          | 3,400          | 3,420          |
| Illinois.....                   | 7,212          | 7,323          | 7,435          | 7,547          | 7,647          | 7,693          | 7,729          | 7,756          | 7,790          | 7,817          |
| Michigan.....                   | 4,413          | 4,527          | 4,642          | 4,756          | 4,829          | 4,786          | 4,730          | 4,716          | 4,680          | 4,731          |
| Wisconsin.....                  | 2,827          | 2,857          | 2,887          | 2,917          | 2,938          | 2,932          | 2,926          | 2,917          | 2,908          | 2,908          |
| <b>West North Central</b> ..... | <b>13,023</b>  | <b>13,096</b>  | <b>13,168</b>  | <b>13,242</b>  | <b>13,325</b>  | <b>13,416</b>  | <b>13,490</b>  | <b>13,559</b>  | <b>13,635</b>  | <b>13,708</b>  |
| Minnesota.....                  | 2,499          | 2,517          | 2,534          | 2,551          | 2,569          | 2,585          | 2,596          | 2,607          | 2,619          | 2,627          |
| Iowa.....                       | 2,446          | 2,453          | 2,460          | 2,466          | 2,470          | 2,492          | 2,503          | 2,513          | 2,525          | 2,534          |
| Missouri.....                   | 3,547          | 3,569          | 3,591          | 3,613          | 3,648          | 3,707          | 3,792          | 3,814          | 3,868          | 3,913          |
| North Dakota.....               | 668            | 672            | 675            | 678            | 682            | 680            | 690            | 693            | 697            | 700            |
| South Dakota.....               | 672            | 678            | 683            | 689            | 693            | 693            | 692            | 692            | 692            | 692            |
| Nebraska.....                   | 1,348          | 1,356          | 1,364          | 1,372          | 1,377          | 1,375          | 1,372          | 1,368          | 1,364          | 1,364          |
| Kansas.....                     | 1,840          | 1,851          | 1,862          | 1,873          | 1,880          | 1,877          | 1,875          | 1,872          | 1,870          | 1,878          |
| <b>South Atlantic</b> .....     | <b>15,134</b>  | <b>15,310</b>  | <b>15,498</b>  | <b>15,682</b>  | <b>15,859</b>  | <b>15,984</b>  | <b>16,287</b>  | <b>16,480</b>  | <b>16,680</b>  | <b>16,878</b>  |
| Delaware.....                   | 233            | 234            | 236            | 237            | 239            | 243            | 247            | 250            | 253            | 256            |
| Maryland.....                   | 1,565          | 1,583          | 1,600          | 1,618          | 1,635          | 1,645          | 1,651          | 1,657          | 1,664          | 1,669          |
| Dist. of Col.....               | 469            | 474            | 478            | 483            | 492            | 509            | 526            | 543            | 560            | 594            |
| Virginia.....                   | 2,381          | 2,392          | 2,403          | 2,414          | 2,434          | 2,480          | 2,521          | 2,562          | 2,604          | 2,637          |
| West Virginia.....              | 1,632          | 1,668          | 1,684          | 1,710          | 1,735          | 1,754          | 1,771          | 1,786          | 1,802          | 1,816          |
| North Carolina.....             | 2,947          | 3,006          | 3,066          | 3,126          | 3,186          | 3,237          | 3,284          | 3,331          | 3,378          | 3,417          |
| South Carolina.....             | 1,719          | 1,724          | 1,729          | 1,735          | 1,745          | 1,787          | 1,789          | 1,803          | 1,821          | 1,840          |
| Georgia.....                    | 2,904          | 2,906          | 2,906          | 2,908          | 2,917          | 2,944          | 2,967          | 2,988          | 3,011          | 3,035          |
| Florida.....                    | 1,285          | 1,334          | 1,383          | 1,432          | 1,476          | 1,505          | 1,534          | 1,560          | 1,587          | 1,614          |
| <b>East South Central</b> ..... | <b>9,524</b>   | <b>9,621</b>   | <b>9,718</b>   | <b>9,814</b>   | <b>9,928</b>   | <b>10,059</b>  | <b>10,176</b>  | <b>10,288</b>  | <b>10,408</b>  | <b>10,512</b>  |
| Kentucky.....                   | 2,542          | 2,561          | 2,581          | 2,600          | 2,628          | 2,677          | 2,721          | 2,755          | 2,810          | 2,846          |
| Tennessee.....                  | 2,515          | 2,542          | 2,569          | 2,596          | 2,630          | 2,675          | 2,712          | 2,747          | 2,785          | 2,824          |
| Alabama.....                    | 2,537          | 2,566          | 2,595          | 2,624          | 2,658          | 2,698          | 2,734          | 2,768          | 2,805          | 2,834          |
| Mississippi.....                | 1,930          | 1,961          | 1,972          | 1,994          | 2,010          | 2,009          | 2,009          | 2,008          | 2,008          | 2,008          |
| <b>West South Central</b> ..... | <b>11,489</b>  | <b>11,658</b>  | <b>11,847</b>  | <b>12,035</b>  | <b>12,212</b>  | <b>12,335</b>  | <b>12,432</b>  | <b>12,524</b>  | <b>12,623</b>  | <b>12,705</b>  |
| Arkansas.....                   | 1,817          | 1,827          | 1,837          | 1,847          | 1,863          | 1,894          | 1,922          | 1,948          | 1,976          | 1,999          |
| Louisiana.....                  | 1,991          | 2,020          | 2,050          | 2,079          | 2,104          | 2,111          | 2,113          | 2,115          | 2,118          | 2,120          |
| Oklahoma.....                   | 2,261          | 2,297          | 2,333          | 2,369          | 2,403          | 2,429          | 2,450          | 2,470          | 2,491          | 2,509          |
| Texas.....                      | 5,400          | 5,513          | 5,626          | 5,740          | 5,842          | 5,898          | 5,947          | 5,991          | 6,038          | 6,077          |
| <b>Mountain</b> .....           | <b>3,668</b>   | <b>3,804</b>   | <b>3,839</b>   | <b>3,765</b>   | <b>3,704</b>   | <b>3,714</b>   | <b>3,731</b>   | <b>3,735</b>   | <b>3,738</b>   | <b>3,744</b>   |
| Montana.....                    | 542            | 541            | 540            | 538            | 537            | 536            | 535            | 533            | 531            | 531            |
| Idaho.....                      | 440            | 441            | 443            | 444            | 447            | 454            | 460            | 466            | 473            | 479            |
| Wyoming.....                    | 214            | 217            | 220            | 223            | 226            | 228            | 229            | 230            | 231            | 232            |
| Colorado.....                   | 1,001          | 1,010          | 1,019          | 1,029          | 1,038          | 1,044          | 1,049          | 1,053          | 1,058          | 1,062          |
| New Mexico.....                 | 400            | 406            | 413            | 419            | 423            | 423            | 422            | 422            | 422            | 422            |
| Arizona.....                    | 398            | 408            | 418            | 428            | 438            | 426            | 419            | 412            | 406            | 406            |
| Utah.....                       | 486            | 492            | 498            | 504            | 509            | 510            | 512            | 513            | 514            | 515            |
| Nevada.....                     | 86             | 87             | 89             | 90             | 91             | 93             | 95             | 96             | 98             | 99             |
| <b>Pacific</b> .....            | <b>7,233</b>   | <b>7,489</b>   | <b>7,746</b>   | <b>8,002</b>   | <b>8,224</b>   | <b>8,320</b>   | <b>8,404</b>   | <b>8,479</b>   | <b>8,559</b>   | <b>8,638</b>   |
| Washington.....                 | 1,488          | 1,508          | 1,528          | 1,548          | 1,558          | 1,584          | 1,598          | 1,610          | 1,623          | 1,633          |
| Oregon.....                     | 891            | 908            | 925            | 941            | 957            | 969            | 980            | 990            | 999            | 1,008          |
| California.....                 | 4,854          | 5,073          | 5,293          | 5,513          | 5,699          | 5,767          | 5,826          | 5,879          | 5,937          | 5,997          |

Source: Bureau of the Census, Department of Commerce.



# No. 12.—POPULATION: ANNUAL MIDYEAR ESTIMATES FOR CONTINENTAL UNITED STATES, AND CERTAIN OUTLYING TERRITORIES AND POSSESSIONS

NOTE.—Estimates, except for continental United States and Hawaii, 1930 to 1936, are based on the assumption that the increase each year between two successive censuses is equal to the annual average increase between the two enumerations. Revised estimates for continental United States and Hawaii, 1930 to 1936, are based on available data regarding births, deaths, immigration, and emigration, allowance being made each year for unregistered births and deaths. Estimates for Puerto Rico, 1930 to 1936, are based upon a census taken as of Dec. 1, 1935.

| Year    | Continental United States | Year    | Continental United States | Year    | Continental United States | Alaska | Hawaii  | Puerto Rico | Philippine Islands |
|---------|---------------------------|---------|---------------------------|---------|---------------------------|--------|---------|-------------|--------------------|
| 1850... | 23,260,636                | 1881... | 51,541,575                | 1909... | 90,691,354                | 64,294 | 188,870 | 1,105,506   | 8,706,977          |
| 1854... | 26,561,214                | 1882... | 52,820,768                | 1910... | 92,237,080                | 64,166 | 193,282 | 1,121,913   | 8,879,170          |
| 1855... | 27,386,369                | 1883... | 54,099,901                | 1911... | 93,682,180                | 63,196 | 199,874 | 1,140,638   | 9,045,363          |
| 1856... | 28,211,504                | 1884... | 55,379,154                | 1912... | 95,097,298                | 62,236 | 206,466 | 1,159,804   | 9,214,556          |
| 1857... | 29,036,649                | 1885... | 56,658,247                | 1913... | 96,512,407                | 61,276 | 213,058 | 1,178,090   | 9,383,749          |
| 1858... | 29,861,794                | 1886... | 57,937,540                | 1914... | 97,927,516                | 60,316 | 219,650 | 1,196,816   | 9,552,942          |
| 1859... | 30,686,939                | 1887... | 59,216,733                | 1915... | 99,342,625                | 59,356 | 226,243 | 1,215,642   | 9,722,135          |
| 1860... | 31,502,613                | 1888... | 60,496,927                | 1916... | 100,757,735               | 58,396 | 232,836 | 1,234,268   | 9,891,328          |
| 1861... | 32,314,118                | 1889... | 61,775,121                | 1917... | 102,172,845               | 57,438 | 239,429 | 1,252,994   | 10,060,521         |
| 1862... | 32,925,623                | 1890... | 63,056,438                | 1918... | 103,587,955               | 56,476 | 246,022 | 1,271,720   | 10,229,714         |
| 1863... | 33,637,128                | 1891... | 64,361,124                | 1919... | 105,003,065               | 55,516 | 252,615 | 1,290,446   | 10,398,503         |
| 1864... | 34,348,633                | 1892... | 65,665,810                | 1920... | 106,543,031               | 54,540 | 259,208 | 1,311,717   | 10,566,889         |
| 1865... | 35,060,138                | 1893... | 66,970,496                | 1921... | 108,207,853               | 55,066 | 272,364 | 1,335,632   | 10,735,275         |
| 1866... | 35,771,643                | 1894... | 68,275,182                | 1922... | 109,872,675               | 54,070 | 285,332 | 1,359,347   | 10,903,061         |
| 1867... | 36,483,148                | 1895... | 69,579,868                | 1923... | 111,537,497               | 56,484 | 294,300 | 1,383,162   | 11,072,047         |
| 1868... | 37,194,653                | 1896... | 70,884,554                | 1924... | 113,202,319               | 56,898 | 305,268 | 1,406,977   | 11,240,433         |
| 1869... | 37,906,168                | 1897... | 72,189,240                | 1925... | 114,867,141               | 57,312 | 316,236 | 1,431,792   | 11,408,819         |
| 1870... | 38,655,016                | 1898... | 73,498,926                | 1926... | 116,531,963               | 57,726 | 327,204 | 1,454,607   | 11,577,205         |
| 1871... | 39,414,767                | 1899... | 74,798,612                | 1927... | 118,196,785               | 58,140 | 338,172 | 1,478,422   | 11,745,591         |
| 1872... | 40,174,498                | 1900... | 76,129,408                | 1928... | 119,861,607               | 58,564 | 349,140 | 1,502,237   | 11,913,978         |
| 1873... | 42,134,239                | 1901... | 77,747,402                | 1929... | 121,526,429               | 58,968 | 360,109 | 1,526,052   | 12,082,366         |
| 1874... | 43,293,630                | 1902... | 79,365,896                | 1930... | 123,091,000               | 59,400 | 369,000 | 1,550,600   | 12,250,752         |
| 1875... | 44,453,721                | 1903... | 80,983,390                | 1931... | 124,113,000               | 59,800 | 377,000 | 1,583,700   | 12,419,100         |
| 1876... | 45,613,462                | 1904... | 82,601,884                | 1932... | 124,974,000               | 60,200 | 383,600 | 1,615,400   | 12,589,400         |
| 1877... | 46,773,203                | 1905... | 84,219,378                | 1933... | 125,770,000               | 60,600 | 382,000 | 1,647,000   | 12,758,400         |
| 1878... | 47,932,945                | 1906... | 85,837,372                | 1934... | 126,626,000               | 61,000 | 382,000 | 1,678,600   | 12,927,400         |
| 1879... | 49,092,687                | 1907... | 87,456,366                | 1935... | 127,521,000               | 61,500 | 386,200 | 1,710,300   | 13,096,400         |
| 1880... | 50,262,382                | 1908... | 89,073,360                | 1936... | 128,429,000               | 62,000 | 392,600 | 1,742,000   | 13,269,000         |

<sup>1</sup> Provisional estimate.

# No. 13.—SEX DISTRIBUTION, BY CLASSES:<sup>1</sup> CONTINENTAL UNITED STATES

NOTE.—Figures for "All other" in 1930 include Mexicans; prior to 1930 Mexicans were classified for the most part as white. See footnote 2, Table 14.

| Class                           | 1910       |            | 1920       |            | 1930       |            | Males per 100 females |         |       |
|---------------------------------|------------|------------|------------|------------|------------|------------|-----------------------|---------|-------|
|                                 | Male       | Female     | Male       | Female     | Male       | Female     | 1910                  | 1920    | 1930  |
| All classes.....                | 47,332,277 | 44,639,989 | 53,900,481 | 51,819,189 | 62,137,080 | 60,837,966 | 106.0                 | 104.0   | 102.6 |
| White.....                      | 42,178,245 | 39,658,712 | 48,430,655 | 46,360,260 | 55,163,854 | 53,700,353 | 106.6                 | 104.4   | 102.7 |
| Negro.....                      | 4,885,881  | 4,941,882  | 5,200,436  | 5,253,695  | 5,856,060  | 6,035,474  | 98.9                  | 90.2    | 97.0  |
| Indian.....                     | 135,133    | 130,650    | 125,068    | 119,369    | 170,350    | 168,047    | 103.5                 | 104.8   | 105.1 |
| Chinese.....                    | 60,856     | 4,675      | 53,891     | 7,748      | 59,802     | 15,152     | 1430.1                | 695.6   | 394.7 |
| Japanese.....                   | 63,070     | 9,087      | 72,707     | 38,303     | 81,771     | 67,035     | 694.1                 | 189.8   | 143.3 |
| All other.....                  | 3,002      | 83         | 8,674      | 814        | 805,694    | 667,577    | ( <sup>1</sup> )      | 1,065.0 | 120.6 |
| White population:               |            |            |            |            |            |            |                       |         |       |
| Native, total.....              | 34,054,467 | 33,731,955 | 40,902,333 | 40,205,828 | 48,010,145 | 47,487,655 | 102.7                 | 101.7   | 101.1 |
| Native parentage.....           | 25,229,218 | 24,259,367 | 29,636,781 | 28,785,176 | 35,460,001 | 34,676,613 | 104.0                 | 103.0   | 102.3 |
| Foreign or mixed parentage..... | 9,425,239  | 9,472,698  | 11,265,552 | 11,420,652 | 12,550,144 | 12,811,042 | 99.5                  | 98.6    | 98.0  |
| Foreign.....                    | 6,456,793  | 6,459,818  | 7,810,531  | 7,884,008  | 8,438,076  | 8,560,645  | 100.0                 | 99.1    | 98.6  |
| Mixed.....                      | 2,968,446  | 3,013,880  | 3,455,021  | 3,536,644  | 4,111,468  | 4,250,497  | 98.5                  | 97.7    | 96.7  |
| Foreign born.....               | 7,523,788  | 5,821,757  | 7,528,322  | 6,184,432  | 7,153,709  | 6,212,698  | 120.2                 | 121.7   | 115.1 |

|                            | 1960       | 1870       | 1880       | 1890       | 1900       |
|----------------------------|------------|------------|------------|------------|------------|
| Total population:          |            |            |            |            |            |
| Male.....                  | 16,085,204 | 19,493,565 | 25,518,820 | 32,237,101 | 38,816,448 |
| Female.....                | 15,388,117 | 19,064,806 | 24,636,963 | 30,710,613 | 37,178,127 |
| Males per 100 females..... | 104.7      | 102.2      | 103.6      | 105.0      | 104.4      |

<sup>1</sup> Ratio not shown, number of females being less than 100.

Sources of Tables 12 and 13: Bureau of the Census, Department of Commerce.

## No. 14.—RACE, NATIVITY, AND PARENTAGE: CONTINENTAL UNITED STATES

| Class                                  | 1870 <sup>1</sup> | 1880              | 1890             | 1900             | 1910             | 1920             | 1930             |
|----------------------------------------|-------------------|-------------------|------------------|------------------|------------------|------------------|------------------|
| All classes.....                       | 38,568,371        | 50,155,783        | 62,947,714       | 75,864,875       | 91,872,286       | 105,710,820      | 122,775,046      |
| White <sup>2</sup> .....               | 33,589,877        | 43,402,970        | 55,101,258       | 66,809,196       | 81,731,957       | 94,820,915       | 108,864,207      |
| Negro.....                             | 4,680,009         | 6,580,793         | 7,488,676        | 8,833,994        | 9,827,763        | 10,463,131       | 11,891,143       |
| Mexican <sup>3</sup> .....             |                   |                   |                  |                  |                  |                  | 1,422,533        |
| Indian.....                            | 25,731            | 66,407            | 248,253          | 237,196          | 265,688          | 244,437          | 332,397          |
| Chinese.....                           | 63,199            | 105,465           | 107,488          | 89,863           | 71,531           | 61,639           | 74,954           |
| Japanese.....                          | 55                | 148               | 2,039            | 24,326           | 72,167           | 111,010          | 138,834          |
| All other <sup>4</sup> .....           |                   |                   |                  |                  | 3,175            | 9,488            | 50,978           |
| Native (all races).....                | 32,991,142        | 43,475,840        | 53,698,154       | 65,653,299       | 78,456,380       | 91,789,928       | 108,570,867      |
| Foreign born.....                      | 5,567,229         | 6,679,943         | 9,249,560        | 10,341,276       | 13,515,886       | 13,920,892       | 14,204,149       |
| Native white, total <sup>5</sup> ..... | 28,095,665        | 38,843,291        | 45,979,391       | 56,595,379       | 68,386,412       | 81,108,161       | 95,497,800       |
| Native parentage.....                  | 22,771,397        | 28,668,424        | 34,475,716       | 40,949,362       | 49,488,575       | 58,421,957       | 70,135,614       |
| Foreign or mixed parentage.....        | 5,324,268         | 8,274,867         | 11,503,675       | 15,646,017       | 18,897,837       | 22,686,204       | 25,361,186       |
| Foreign.....                           | 4,167,098         | 6,363,769         | 8,035,019        | 10,632,280       | 12,915,311       | 15,694,539       | 16,909,221       |
| Mixed.....                             | 1,157,170         | 1,911,098         | 3,418,656        | 5,013,737        | 5,981,526        | 6,991,665        | 8,351,965        |
| Foreign born, white.....               | 5,493,712         | 6,559,679         | 9,121,867        | 10,213,817       | 13,345,545       | 13,712,754       | 13,366,407       |
| Per cent of total.....                 | 100.0             | 100.0             | 100.0            | 100.0            | 100.0            | 100.0            | 100.0            |
| White <sup>2</sup> .....               | 87.1              | 86.5              | 87.5             | 87.9             | 88.9             | 89.7             | 88.7             |
| Negro.....                             | 12.7              | 13.1              | 11.9             | 11.6             | 10.7             | 9.9              | 9.7              |
| Mexican <sup>3</sup> .....             |                   |                   |                  |                  |                  |                  | 1.2              |
| Indian.....                            | .1                | .1                | .4               | .3               | .3               | .2               | .3               |
| Chinese.....                           | .2                | .2                | .2               | .1               | .1               | .1               | .1               |
| Japanese.....                          | ( <sup>6</sup> )  | ( <sup>6</sup> )  | ( <sup>6</sup> ) | ( <sup>6</sup> ) | .1               | .1               | .1               |
| All other <sup>4</sup> .....           |                   |                   |                  |                  | ( <sup>6</sup> ) | ( <sup>6</sup> ) | ( <sup>6</sup> ) |
| Native (all races).....                | 85.6              | 86.7              | 85.3             | 85.4             | 85.3             | 86.8             | 88.4             |
| Foreign born.....                      | 14.4              | 13.3              | 14.7             | 13.6             | 14.7             | 13.2             | 11.6             |
| Native white, total.....               | 72.9              | 78.5              | 73.0             | 74.5             | 74.4             | 76.7             | 77.8             |
| Native parentage.....                  | 60.1              | 67.0              | 54.8             | 53.9             | 53.8             | 55.3             | 67.1             |
| Foreign or mixed parentage.....        | 13.8              | 16.5              | 18.3             | 20.6             | 20.5             | 21.5             | 20.7             |
| Foreign.....                           | 10.8              | 12.7              | 12.8             | 14.0             | 14.0             | 14.8             | 13.8             |
| Mixed.....                             | 3.0               | 3.8               | 5.4              | 6.6              | 6.5              | 6.6              | 6.8              |
| Foreign born, white.....               | 14.2              | 13.1              | 14.5             | 13.4             | 14.5             | 13.0             | 10.9             |
| Increase over preceding census.....    |                   |                   |                  |                  |                  |                  |                  |
| All classes.....                       | 7,115,050         | 11,587,412        | 12,486,487       | 13,046,861       | 15,977,691       | 13,738,364       | 17,064,490       |
| Per cent.....                          | 22.6              | 30.1              | 24.9             | 20.7             | 21.0             | 14.9             | 16.1             |
| White <sup>2</sup> .....               | 6,666,840         | 9,813,593         | 11,580,920       | 11,707,938       | 14,922,761       | 13,088,958       | 14,743,820       |
| Per cent.....                          | 24.8              | 29.2              | 20.7             | 21.2             | 22.3             | 10.0             | 15.7             |
| Negro.....                             | 438,179           | 1,700,784         | 889,247          | 1,345,318        | 993,769          | 635,368          | 1,428,012        |
| Per cent.....                          | 9.0               | 34.9              | 13.5             | 18.0             | 11.2             | 6.6              | 13.6             |
| Mexican.....                           |                   |                   |                  |                  |                  |                  | 721,092          |
| Per cent.....                          |                   |                   |                  |                  |                  |                  | 103.1            |
| Indian.....                            | -18,290           | 40,676            | -7,601           | -11,057          | 28,487           | -21,246          | 87,960           |
| Per cent.....                          | -41.5             | 158.1             | -11.4            | -4.5             | 12.0             | -8.0             | 36.0             |
| Chinese.....                           | 28,266            | 42,236            | 2,010            | -17,625          | -18,332          | -9,892           | 13,315           |
| Per cent.....                          | 80.9              | 66.9              | 1.9              | -16.4            | -20.4            | -13.8            | 21.6             |
| Japanese.....                          | 55                | 93                | 1,891            | 22,287           | 47,831           | 38,853           | 27,824           |
| Per cent.....                          |                   | ( <sup>10</sup> ) | 1,277.7          | 1,093.0          | 196.6            | 53.8             | 25.1             |
| All other <sup>4</sup> .....           |                   |                   |                  |                  | 3,175            | 6,313            | 41,490           |
| Per cent.....                          |                   |                   |                  |                  |                  | 198.8            | 437.3            |
| Native (all races).....                | 5,686,518         | 10,484,658        | 9,896,868        | 11,955,145       | 12,803,081       | 13,333,548       | 16,780,060       |
| Per cent.....                          | 20.8              | 31.8              | 22.8             | 22.3             | 19.5             | 17.0             | 18.3             |
| Foreign born.....                      | 1,428,532         | 1,112,714         | 2,569,604        | 1,091,716        | 3,174,610        | 404,806          | 283,457          |
| Per cent.....                          | 34.5              | 20.0              | 38.5             | 11.8             | 30.7             | 3.0              | 2.0              |
| Native white, total.....               | 5,269,881         | 8,747,626         | 9,018,732        | 10,615,988       | 11,791,033       | 12,721,749       | 14,632,820       |
| Per cent.....                          | 23.1              | 31.1              | 24.5             | 23.1             | 20.8             | 18.6             | 18.1             |
| Native parentage.....                  | 5,797,027         | 5,789,924         | 6,473,646        | 8,589,213        | 8,933,382        | 11,714,657       |                  |
| Per cent.....                          | 25.5              | 20.3              | 18.8             | 20.9             | 18.1             | 20.1             |                  |
| Foreign or mixed parentage.....        | 2,950,599         | 3,228,508         | 4,142,342        | 3,251,820        | 3,788,367        | 2,918,163        |                  |
| Per cent.....                          | 55.4              | 39.0              | 36.0             | 20.8             | 20.0             | 13.0             |                  |
| Foreign.....                           | 2,196,671         | 1,721,250         | 2,547,261        | 2,284,031        | 2,778,228        | 1,477,338        |                  |
| Per cent.....                          | 52.7              | 27.0              | 31.5             | 21.5             | 21.5             | 9.5              |                  |
| Mixed.....                             | 753,928           | 1,507,558         | 1,595,081        | 967,789          | 1,010,139        | 1,440,777        |                  |
| Per cent.....                          | 65.2              | 78.9              | 46.7             | 19.3             | 16.9             | 20.8             |                  |
| Foreign born, white.....               | 1,396,959         | 1,035,967         | 2,562,188        | 1,091,950        | 3,131,728        | 367,209          | 111,013          |
| Per cent.....                          | 34.1              | 19.4              | 39.1             | 12.0             | 30.7             | 2.5              | 0.8              |

<sup>1</sup> Enumeration in Southern States incomplete; this affects especially figures for the negro population.<sup>2</sup> White population includes Mexicans prior to 1930. The estimated number of Mexicans included in the white classification in 1920 was as follows: Total, 700,541; native white, 243,181 (172,704 of foreign parentage and 70,477 of mixed parentage); foreign-born white, 457,360. For close comparison with 1930, adjusted figures for 1920 may be obtained by deducting these from the white population as reported in 1920.<sup>3</sup> Exclusive of Indians in Indian Territory and on Indian reservations, not enumerated prior to 1890.<sup>4</sup> Comprises Filipinos, Hindus, Koreans, Hawaiians, Malays, Siamese, Samoans, and Maoris.<sup>5</sup> Less than one-tenth of 1 per cent. <sup>6</sup> A minus sign (-) denotes decrease.<sup>7</sup> Exclusive of 325,464 persons (117,368 whites, 15,636 Negroes, 189,447 Indians, and 13 Chinese), specially enumerated in 1890 in Indian Territory and on Indian reservations.<sup>8</sup> Increase over figures adjusted for 1920 on account of Mexicans. See footnote 2.<sup>9</sup> Increase over estimated number in 1920. <sup>10</sup> Per cent not shown where base is less than 100.

Source: Bureau of the Census, Department of Commerce.

| Division and State                | Total population  |                   |                   |                   |                       | 1930              |                   |                       |                    |
|-----------------------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|-------------------|-------------------|-----------------------|--------------------|
|                                   | 1920              |                   | 1930              |                   | Males per 100 females | Native white      |                   |                       | Foreign-born white |
|                                   | Male              | Female            | Male              | Female            |                       | Male              | Female            | Males per 100 females | Male               |
| <b>Continental United States.</b> | <b>53,900,451</b> | <b>51,810,139</b> | <b>62,137,080</b> | <b>60,637,866</b> | <b>102.6</b>          | <b>48,010,145</b> | <b>47,487,655</b> | <b>101.1</b>          | <b>7,163,708</b>   |
| <b>New England.</b>               | <b>3,872,591</b>  | <b>3,723,313</b>  | <b>4,024,657</b>  | <b>4,141,684</b>  | <b>97.3</b>           | <b>3,067,723</b>  | <b>3,183,080</b>  | <b>97.0</b>           | <b>904,742</b>     |
| Maine                             | 358,752           | 370,262           | 401,285           | 396,138           | 101.3                 | 346,764           | 346,051           | 101.4                 | 50,269             |
| New Hampshire                     | 222,112           | 220,971           | 231,759           | 233,534           | 99.2                  | 180,967           | 191,723           | 90.1                  | 41,160             |
| Vermont                           | 178,854           | 173,674           | 183,266           | 176,345           | 103.9                 | 160,080           | 155,824           | 102.7                 | 22,822             |
| Massachusetts                     | 1,800,014         | 1,962,342         | 2,071,672         | 2,177,942         | 95.1                  | 1,532,751         | 1,905,539         | 95.5                  | 509,462            |
| Rhode Island                      | 297,524           | 304,373           | 335,372           | 352,125           | 95.2                  | 246,989           | 259,313           | 95.2                  | 83,151             |
| Connecticut                       | 695,335           | 685,296           | 801,303           | 806,600           | 99.5                  | 585,172           | 605,630           | 97.1                  | 197,840            |
| <b>Middle Atlantic.</b>           | <b>11,206,445</b> | <b>11,064,699</b> | <b>13,188,681</b> | <b>13,072,069</b> | <b>100.9</b>          | <b>9,879,094</b>  | <b>10,023,965</b> | <b>98.6</b>           | <b>2,761,740</b>   |
| New York                          | 5,187,350         | 5,107,877         | 6,312,520         | 6,275,540         | 100.0                 | 4,441,330         | 4,517,414         | 98.3                  | 1,655,170          |
| New Jersey                        | 1,600,075         | 1,565,825         | 2,030,044         | 2,010,090         | 101.0                 | 1,481,802         | 1,502,905         | 98.6                  | 443,132            |
| Pennsylvania                      | 4,420,020         | 4,290,997         | 4,845,517         | 4,785,833         | 101.2                 | 3,965,902         | 4,003,649         | 98.8                  | 665,438            |
| <b>East North Central.</b>        | <b>11,035,041</b> | <b>10,440,502</b> | <b>12,904,783</b> | <b>12,392,402</b> | <b>104.1</b>          | <b>10,805,117</b> | <b>10,448,622</b> | <b>101.5</b>          | <b>1,786,458</b>   |
| Ohio                              | 2,956,980         | 2,803,414         | 3,361,141         | 3,285,556         | 102.3                 | 2,845,524         | 2,841,461         | 100.1                 | 351,985            |
| Indiana                           | 1,489,074         | 1,441,316         | 1,940,061         | 1,698,442         | 102.6                 | 1,498,772         | 1,482,230         | 101.1                 | 70,957             |
| Illinois                          | 3,304,833         | 3,180,447         | 3,878,467         | 3,757,197         | 103.1                 | 3,027,847         | 3,020,850         | 100.2                 | 657,937            |
| Michigan                          | 1,928,438         | 1,739,976         | 2,519,369         | 2,323,016         | 108.4                 | 1,951,137         | 1,858,706         | 105.0                 | 404,902            |
| Wisconsin                         | 1,356,715         | 1,275,349         | 1,510,815         | 1,428,191         | 105.8                 | 1,282,837         | 1,245,309         | 103.0                 | 214,677            |
| <b>West North Central.</b>        | <b>6,459,087</b>  | <b>6,085,182</b>  | <b>6,756,442</b>  | <b>6,511,473</b>  | <b>104.2</b>          | <b>5,978,171</b>  | <b>5,838,089</b>  | <b>102.4</b>          | <b>591,094</b>     |
| Minnesota                         | 1,245,537         | 1,141,588         | 1,316,571         | 1,247,352         | 105.5                 | 1,085,126         | 1,065,553         | 101.8                 | 217,083            |
| Iowa                              | 1,229,392         | 1,174,029         | 1,255,101         | 1,215,838         | 103.2                 | 1,151,068         | 1,131,570         | 101.7                 | 92,129             |
| Missouri                          | 1,728,819         | 1,680,735         | 1,822,866         | 1,800,501         | 100.9                 | 1,625,645         | 1,623,962         | 100.1                 | 81,299             |
| North Dakota                      | 341,073           | 305,199           | 359,018           | 321,230           | 111.9                 | 294,141           | 271,054           | 108.2                 | 60,378             |
| South Dakota                      | 337,120           | 290,427           | 363,650           | 329,199           | 110.5                 | 313,006           | 289,899           | 108.3                 | 37,665             |
| Nebraska                          | 672,805           | 623,507           | 706,348           | 671,615           | 105.2                 | 630,013           | 608,343           | 103.6                 | 93,380             |
| Kansas                            | 903,221           | 800,036           | 961,291           | 919,708           | 104.5                 | 876,372           | 846,759           | 103.5                 | 38,254             |
| <b>South Atlantic.</b>            | <b>7,035,643</b>  | <b>6,954,429</b>  | <b>7,880,634</b>  | <b>7,912,955</b>  | <b>96.6</b>           | <b>5,541,147</b>  | <b>5,563,859</b>  | <b>100.7</b>          | <b>170,800</b>     |
| Delaware                          | 113,755           | 106,248           | 121,257           | 117,123           | 103.5                 | 94,619            | 93,890            | 101.1                 | 9,281              |
| Maryland                          | 723,455           | 720,206           | 821,009           | 810,517           | 101.3                 | 629,427           | 629,650           | 100.0                 | 50,208             |
| District of Columbia              | 203,543           | 224,028           | 231,893           | 254,993           | 90.0                  | 153,830           | 170,652           | 89.8                  | 15,662             |
| Virginia                          | 1,168,492         | 1,140,695         | 1,216,049         | 1,205,805         | 100.8                 | 970,949           | 986,839           | 99.5                  | 13,701             |
| West Virginia                     | 763,100           | 700,601           | 839,871           | 839,334           | 106.0                 | 703,870           | 766,535           | 93.8                  | 32,864             |
| North Carolina                    | 1,279,062         | 1,280,061         | 1,575,208         | 1,505,068         | 98.8                  | 1,116,181         | 1,110,979         | 100.4                 | 5,089              |
| South Carolina                    | 838,233           | 845,431           | 853,153           | 885,607           | 96.3                  | 470,192           | 468,582           | 100.3                 | 3,120              |
| Georgia                           | 1,444,823         | 1,451,000         | 1,434,527         | 1,473,979         | 97.3                  | 912,606           | 910,451           | 100.2                 | 8,175              |
| Florida                           | 495,320           | 473,150           | 737,675           | 780,536           | 101.0                 | 486,664           | 489,484           | 100.7                 | 32,152             |
| <b>East South Central.</b>        | <b>4,471,690</b>  | <b>4,421,817</b>  | <b>4,947,509</b>  | <b>4,939,712</b>  | <b>100.2</b>          | <b>3,810,047</b>  | <b>3,558,902</b>  | <b>101.5</b>          | <b>33,350</b>      |
| Kentucky                          | 1,227,494         | 1,189,136         | 1,322,703         | 1,291,706         | 102.4                 | 1,106,873         | 1,169,651         | 102.3                 | 12,292             |
| Tennessee                         | 1,173,067         | 1,163,918         | 1,304,559         | 1,311,097         | 99.4                  | 1,064,404         | 1,061,149         | 100.3                 | 7,304              |
| Alabama                           | 1,173,105         | 1,175,093         | 1,315,009         | 1,331,239         | 98.8                  | 843,196           | 839,860           | 101.4                 | 9,320              |
| Mississippi                       | 807,124           | 803,404           | 1,005,141         | 1,004,680         | 100.0                 | 500,574           | 489,233           | 102.3                 | 4,347              |
| <b>West South Central.</b>        | <b>5,265,829</b>  | <b>4,976,385</b>  | <b>6,186,924</b>  | <b>5,989,909</b>  | <b>103.3</b>          | <b>4,555,245</b>  | <b>4,974,504</b>  | <b>104.1</b>          | <b>97,390</b>      |
| Arkansas                          | 895,223           | 856,976           | 1,030,843         | 914,639           | 102.8                 | 608,255           | 608,473           | 104.2                 | 6,006              |
| Louisiana                         | 903,333           | 895,174           | 1,047,823         | 1,053,770         | 99.4                  | 644,305           | 638,495           | 100.8                 | 20,376             |
| Oklahoma                          | 1,058,044         | 970,239           | 1,233,264         | 1,162,776         | 106.1                 | 1,079,456         | 1,017,215         | 106.1                 | 15,544             |
| Texas                             | 2,409,222         | 2,254,006         | 2,985,984         | 2,868,721         | 103.8                 | 2,135,229         | 2,049,866         | 104.2                 | 55,304             |
| <b>Mountain.</b>                  | <b>1,789,989</b>  | <b>1,546,802</b>  | <b>1,949,789</b>  | <b>1,751,991</b>  | <b>111.3</b>          | <b>1,566,710</b>  | <b>1,448,662</b>  | <b>108.1</b>          | <b>169,997</b>     |
| Montana                           | 299,941           | 248,948           | 293,228           | 244,378           | 120.0                 | 236,894           | 207,472           | 114.2                 | 44,899             |
| Idaho                             | 233,919           | 197,947           | 237,347           | 207,685           | 114.3                 | 214,007           | 193,101           | 110.8                 | 15,947             |
| Wyoming                           | 110,369           | 84,043            | 124,785           | 100,780           | 123.8                 | 105,264           | 89,145            | 118.1                 | 12,439             |
| Colorado                          | 492,731           | 440,808           | 630,752           | 605,039           | 105.1                 | 443,117           | 432,594           | 102.4                 | 48,004             |
| New Mexico                        | 190,456           | 169,894           | 219,222           | 204,095           | 107.4                 | 166,993           | 156,965           | 106.4                 | 4,755              |
| Arizona                           | 183,602           | 150,660           | 231,304           | 204,269           | 113.2                 | 132,145           | 112,642           | 113.3                 | 9,392              |
| Utah                              | 232,051           | 217,345           | 256,998           | 247,848           | 104.9                 | 226,578           | 222,025           | 103.1                 | 22,978             |
| Nevada                            | 46,240            | 31,167            | 63,161            | 37,897            | 140.3                 | 38,712            | 30,438            | 127.2                 | 5,583              |
| <b>Pacific.</b>                   | <b>8,984,626</b>  | <b>8,902,846</b>  | <b>9,268,659</b>  | <b>9,265,774</b>  | <b>108.7</b>          | <b>3,208,891</b>  | <b>3,129,719</b>  | <b>102.5</b>          | <b>668,699</b>     |
| Washington                        | 734,701           | 821,920           | 826,392           | 737,004           | 112.1                 | 658,330           | 618,713           | 106.4                 | 142,594            |
| Oregon                            | 416,334           | 367,055           | 499,672           | 454,114           | 110.0                 | 427,154           | 404,400           | 105.6                 | 62,078             |
| California                        | 1,813,591         | 1,813,270         | 2,042,595         | 2,734,656         | 107.6                 | 2,123,407         | 2,106,806         | 100.8                 | 454,027            |

Source: Bureau of the Census, Department of Commerce.

## AND NATIVITY, BY STATES

| 1930—Continued               |                                  |           |           |                                  |         |         |         |         |         |        |          |        |                       |
|------------------------------|----------------------------------|-----------|-----------|----------------------------------|---------|---------|---------|---------|---------|--------|----------|--------|-----------------------|
| Foreign-born<br>white—Contd. |                                  | Negro     |           |                                  | Mexican |         | Indian  |         | Chinese |        | Japanese |        | Division<br>and State |
| Female                       | Males<br>per<br>100 fe-<br>males | Male      | Female    | Males<br>per<br>100 fe-<br>males | Male    | Female  | Male    | Female  | Male    | Female | Male     | Female |                       |
| 6,212,688                    | 116.1                            | 5,855,989 | 6,035,474 | 97.0                             | 758,674 | 863,859 | 170,350 | 162,047 | 69,802  | 15,152 | 81,771   | 67,063 | U. S.                 |
| 929,568                      | 97.3                             | 46,983    | 47,123    | 99.7                             | 69      | 38      | 1,273   | 1,193   | 3,233   | 561    | 277      | 75     | N. E.                 |
| 50,069                       | 100.5                            | 597       | 499       | 119.6                            | 2       | 2       | 518     | 494     | 93      | 22     | 2        | 1      | Me.                   |
| 41,500                       | 90.2                             | 524       | 266       | 107.0                            | 1       | 1       | 33      | 31      | 71      | 13     | -----    | -----  | N. H.                 |
| 20,237                       | 112.8                            | 310       | 258       | 120.2                            | 1       | 1       | 20      | 18      | 29      | 6      | 1        | -----  | Vt.                   |
| 545,174                      | 93.4                             | 20,007    | 26,268    | 99.3                             | 43      | 23      | 458     | 416     | 2,530   | 443    | 151      | 50     | Mass.                 |
| 375,663                      | 95.0                             | 4,862     | 5,061     | 96.3                             | 6       | 4       | 154     | 164     | 170     | 27     | 15       | 2      | R. I.                 |
| 185,025                      | 106.9                            | 14,573    | 14,781    | 98.6                             | 20      | 7       | 90      | 72      | 340     | 51     | 108      | 22     | Conn.                 |
| 2,607,302                    | 110.1                            | 520,826   | 532,078   | 97.9                             | 4,550   | 2,207   | 4,012   | 3,697   | 12,503  | 1,602  | 2,740    | 922    | M. A.                 |
| 1,538,370                    | 107.5                            | 199,485   | 213,329   | 93.5                             | 1,879   | 1,019   | 3,584   | 3,389   | 8,649   | 1,010  | 2,201    | 729    | N. Y.                 |
| 401,310                      | 110.4                            | 102,929   | 105,899   | 97.2                             | 295     | 159     | 123     | 90      | 1,608   | 175    | 322      | 117    | N. J.                 |
| 667,613                      | 117.2                            | 218,412   | 212,845   | 102.6                            | 2,376   | 1,029   | 305     | 218     | 2,246   | 311    | 217      | 76     | Pa.                   |
| 1,457,466                    | 121.2                            | 475,368   | 455,082   | 104.5                            | 37,907  | 20,410  | 10,446  | 9,371   | 5,421   | 919    | 755      | 267    | E. N. C.              |
| 292,166                      | 120.5                            | 159,128   | 150,176   | 106.0                            | 2,806   | 1,231   | 252     | 133     | 1,168   | 257    | 131      | 56     | Ohio.                 |
| 58,177                       | 132.3                            | 57,068    | 54,914    | 103.9                            | 6,708   | 2,934   | 158     | 127     | 247     | 32     | 53       | 18     | Ind.                  |
| 500,221                      | 117.4                            | 164,425   | 164,547   | 99.9                             | 18,216  | 10,690  | 250     | 219     | 2,796   | 396    | 414      | 180    | Ill.                  |
| 375,366                      | 123.9                            | 88,936    | 80,517    | 110.5                            | 8,529   | 4,807   | 3,835   | 3,245   | 902     | 170    | 138      | 38     | Mich.                 |
| 171,536                      | 125.1                            | 5,811     | 4,928     | 117.9                            | 1,643   | 748     | 5,951   | 5,597   | 308     | 55     | 19       | 5      | Wis.                  |
| 468,183                      | 128.3                            | 167,550   | 164,334   | 102.0                            | 22,925  | 16,880  | 24,848  | 23,397  | 1,431   | 307    | 682      | 341    | W. N. C.              |
| 170,311                      | 128.0                            | 5,005     | 4,440     | 112.7                            | 2,069   | 1,567   | 5,691   | 5,386   | 422     | 102    | 51       | 18     | Minn.                 |
| 73,606                       | 125.2                            | 8,987     | 8,393     | 107.1                            | 2,380   | 1,915   | 349     | 311     | 126     | 27     | 16       | 3      | Iowa.                 |
| 08,091                       | 119.4                            | 111,929   | 111,911   | 100.0                            | 2,534   | 2,155   | 336     | 242     | 522     | 113    | 80       | 14     | Mo.                   |
| 44,770                       | 134.9                            | 243       | 134       | 131.3                            | 379     | 232     | 4,293   | 4,094   | 93      | 10     | 60       | 31     | N. Dak.               |
| 27,983                       | 134.6                            | 343       | 303       | 113.2                            | 481     | 335     | 11,172  | 10,661  | 64      | 6      | 11       | 8      | S. Dak.               |
| 51,990                       | 122.0                            | 7,063     | 6,889     | 105.6                            | 3,585   | 2,736   | 1,674   | 1,582   | 152     | 42     | 414      | 260    | Nebr.                 |
| 31,462                       | 121.6                            | 33,980    | 32,364    | 105.0                            | 11,200  | 7,950   | 1,333   | 1,121   | 53      | 7      | 30       | 7      | Kans.                 |
| 133,978                      | 127.1                            | 2,156,581 | 2,264,857 | 95.2                             | 425     | 266     | 9,657   | 9,408   | 1,477   | 392    | 275      | 115    | S. A.                 |
| 7,604                        | 122.1                            | 16,083    | 15,619    | 108.7                            | 24      | -----   | 3       | 2       | 32      | 6      | 8        | -----  | Del.                  |
| 44,827                       | 112.1                            | 140,508   | 135,873   | 103.4                            | 38      | 18      | 34      | 16      | 389     | 103    | 27       | 11     | Md.                   |
| 14,280                       | 109.6                            | 62,225    | 69,843    | 89.1                             | 41      | 26      | 17      | 23      | 306     | 93     | 50       | 28     | D. C.                 |
| 10,119                       | 135.4                            | 321,545   | 328,820   | 97.8                             | 20      | 16      | 436     | 343     | 239     | 54     | 37       | 6      | Va.                   |
| 18,656                       | 176.2                            | 60,873    | 54,020    | 112.7                            | 155     | 102     | 15      | 3       | 74      | 12     | 6        | 3      | W. Va.                |
| 3,699                        | 137.6                            | 446,500   | 472,147   | 94.6                             | 8       | 2       | 8,359   | 8,229   | 59      | 9      | 11       | 6      | N. C.                 |
| 2,146                        | 145.4                            | 370,303   | 414,381   | 91.5                             | 4       | 5       | 474     | 485     | 38      | 3      | 11       | 4      | S. C.                 |
| 5,742                        | 142.4                            | 513,451   | 557,674   | 92.1                             | 38      | 9       | 26      | 17      | 181     | 72     | 23       | 9      | Ga.                   |
| 26,905                       | 119.6                            | 215,148   | 216,680   | 99.3                             | 97      | 88      | 299     | 258     | 160     | 40     | 105      | 48     | Fla.                  |
| 24,306                       | 137.2                            | 1,301,552 | 1,356,686 | 95.9                             | 780     | 813     | 1,072   | 1,034   | 589     | 154    | 32       | 14     | E. S. C.              |
| 9,548                        | 128.7                            | 113,501   | 112,539   | 100.9                            | 53      | 35      | 16      | 6       | 47      | 13     | 7        | 2      | Ky.                   |
| 5,672                        | 130.4                            | 232,569   | 245,077   | 94.9                             | 16      | 9       | 85      | 76      | 60      | 10     | 8        | 3      | Tenn.                 |
| 6,384                        | 146.1                            | 467,144   | 487,690   | 93.7                             | 27      | 42      | 223     | 237     | 44      | 8      | 16       | 9      | Ala.                  |
| 2,702                        | 100.9                            | 498,338   | 511,390   | 97.4                             | 694     | 527     | 743     | 716     | 438     | 123    | 1        | -----  | Miss.                 |
| 72,912                       | 133.5                            | 1,125,508 | 1,156,443 | 97.3                             | 358,151 | 337,845 | 48,270  | 47,400  | 1,237   | 345    | 432      | 265    | W. S. C.              |
| 4,167                        | 144.1                            | 236,909   | 241,554   | 98.1                             | 248     | 161     | 210     | 198     | 186     | 65     | 9        | 3      | Ark.                  |
| 14,534                       | 140.2                            | 379,173   | 397,153   | 95.5                             | 2,362   | 2,160   | 800     | 736     | 327     | 95     | 33       | 19     | La.                   |
| 11,209                       | 138.7                            | 80,818    | 85,380    | 101.7                            | 4,434   | 2,020   | 40,744  | 45,981  | 178     | 28     | 67       | 37     | Okl.                  |
| 43,002                       | 128.8                            | 422,608   | 432,356   | 97.7                             | 351,077 | 332,604 | 516     | 485     | 546     | 157    | 323      | 196    | Tex.                  |
| 117,917                      | 144.2                            | 16,312    | 13,913    | 117.2                            | 132,905 | 116,409 | 52,584  | 49,549  | 2,675   | 577    | 7,038    | 4,332  | Mont.                 |
| 28,052                       | 160.0                            | 710       | 546       | 130.0                            | 1,766   | 805     | 7,664   | 7,134   | 427     | 59     | 510      | 243    | Idaho.                |
| 11,637                       | 164.7                            | 395       | 273       | 144.7                            | 907     | 371     | 1,833   | 1,805   | 295     | 40     | 847      | 574    | Wyo.                  |
| 7,219                        | 172.3                            | 699       | 551       | 126.9                            | 4,582   | 2,592   | 982     | 863     | 113     | 17     | 645      | 391    | Colo.                 |
| 37,420                       | 128.3                            | 5,739     | 6,089     | 94.3                             | 30,824  | 26,852  | 748     | 647     | 196     | 38     | 1,847    | 1,306  | N. Mex.               |
| 3,402                        | 156.3                            | 1,631     | 1,319     | 114.1                            | 30,775  | 28,565  | 14,864  | 14,077  | 108     | 26     | 157      | 92     | Ariz.                 |
| 6,199                        | 151.5                            | 0,352     | 4,397     | 146.5                            | 59,102  | 55,071  | 22,471  | 21,265  | 845     | 265    | 532      | 347    | Utah.                 |
| 20,794                       | 110.5                            | 609       | 499       | 122.0                            | 2,723   | 1,284   | 1,516   | 1,353   | 282     | 60     | 2,056    | 1,213  | Nev.                  |
| 3,692                        | 232.5                            | 277       | 239       | 115.9                            | 2,221   | 1,869   | 2,456   | 2,415   | 410     | 73     | 442      | 166    |                       |
| 501,068                      | 131.5                            | 45,059    | 45,063    | 100.0                            | 209,952 | 169,191 | 13,238  | 17,008  | 31,236  | 10,395 | 39,559   | 50,892 | Pac.                  |
| 101,662                      | 140.3                            | 3,797     | 3,043     | 124.8                            | 477     | 85      | 5,778   | 5,475   | 1,723   | 472    | 10,206   | 7,637  | Wash.                 |
| 43,397                       | 143.0                            | 1,210     | 1,024     | 118.2                            | 1,247   | 321     | 2,442   | 2,334   | 1,525   | 550    | 2,919    | 2,039  | Oreg.                 |
| 356,007                      | 127.5                            | 40,052    | 40,966    | 97.7                             | 199,228 | 168,785 | 10,018  | 9,194   | 27,988  | 9,373  | 56,440   | 41,016 | Calif.                |

## No. 16.—POPULATION:

NOTE.—Figures for "All other" include Mexicans in 1930; prior to 1930, Mexicans were classified for the white popula

| Division and State          | 1880       |           |                        | 1890 <sup>1</sup> |           |           | 1900       |           |
|-----------------------------|------------|-----------|------------------------|-------------------|-----------|-----------|------------|-----------|
|                             | White      | Negro     | All other <sup>1</sup> | White             | Negro     | All other | White      | Negro     |
| Continental United States.  | 43,402,970 | 8,580,793 | 172,020                | 55,101,268        | 7,498,676 | 367,780   | 66,808,196 | 8,833,994 |
| New England.....            | 3,668,789  | 30,825    | 1,815                  | 4,633,191         | 44,580    | 2,978     | 5,627,026  | 59,099    |
| Maine.....                  | 640,852    | 1,451     | 833                    | 659,263           | 1,190     | 633       | 692,226    | 1,319     |
| New Hampshire.....          | 346,229    | 685       | 77                     | 375,840           | 614       | 76        | 410,791    | 602       |
| Vermont.....                | 331,218    | 1,057     | 11                     | 331,418           | 987       | 67        | 342,771    | 820       |
| Massachusetts.....          | 1,768,782  | 18,697    | 606                    | 2,215,373         | 22,144    | 1,430     | 2,709,764  | 31,971    |
| Rhode Island.....           | 269,039    | 6,488     | 104                    | 337,859           | 7,393     | 254       | 419,050    | 9,062     |
| Connecticut.....            | 610,769    | 11,547    | 384                    | 733,438           | 12,802    | 518       | 892,424    | 15,226    |
| Middle Atlantic.....        | 10,305,055 | 189,492   | 2,331                  | 12,488,794        | 225,328   | 12,100    | 15,110,862 | 325,921   |
| New York.....               | 5,010,022  | 85,104    | 1,745                  | 5,923,955         | 70,092    | 9,127     | 7,150,881  | 99,232    |
| New Jersey.....             | 1,092,017  | 38,853    | 246                    | 1,396,581         | 47,638    | 714       | 1,812,317  | 69,844    |
| Pennsylvania.....           | 4,197,016  | 85,535    | 340                    | 5,148,258         | 107,596   | 2,259     | 6,141,894  | 156,845   |
| East North Central.....     | 11,012,047 | 183,298   | 11,323                 | 13,253,725        | 207,023   | 17,557    | 15,710,053 | 267,549   |
| Ohio.....                   | 3,117,920  | 79,900    | 242                    | 3,584,805         | 87,113    | 411       | 4,060,204  | 96,901    |
| Indiana.....                | 1,938,798  | 39,228    | 275                    | 2,146,736         | 45,215    | 453       | 2,458,502  | 57,505    |
| Illinois.....               | 3,031,151  | 46,368    | 352                    | 3,768,472         | 57,028    | 852       | 4,734,873  | 85,078    |
| Michigan.....               | 1,614,560  | 15,100    | 7,277                  | 2,072,894         | 15,223    | 5,783     | 2,398,563  | 15,813    |
| Wisconsin.....              | 1,309,618  | 2,702     | 3,177                  | 1,680,828         | 2,444     | 10,058    | 2,057,911  | 2,542     |
| West North Central.....     | 5,949,376  | 202,323   | 5,744                  | 8,680,088         | 224,069   | 47,930    | 10,065,517 | 237,609   |
| Minnesota.....              | 770,884    | 1,564     | 2,325                  | 1,296,408         | 3,683     | 10,192    | 1,737,030  | 4,980     |
| Iowa.....                   | 1,614,600  | 9,516     | 499                    | 1,901,090         | 10,685    | 522       | 2,218,667  | 12,693    |
| Missouri.....               | 2,022,828  | 145,350   | 204                    | 2,528,458         | 150,184   | 543       | 2,944,843  | 161,234   |
| North Dakota.....           | 30,192     | 113       | 604                    | 182,407           | 373       | 8,203     | 311,712    | 280       |
| South Dakota.....           | 90,955     | 288       | 1,025                  | 328,010           | 541       | 20,049    | 380,714    | 465       |
| Nebraska.....               | 449,764    | 2,385     | 253                    | 1,047,096         | 8,913     | 6,847     | 1,056,526  | 6,269     |
| Kansas.....                 | 952,155    | 43,107    | 834                    | 1,376,619         | 49,710    | 1,779     | 1,416,819  | 52,003    |
| South Atlantic.....         | 4,654,112  | 2,941,202 | 1,883                  | 5,592,149         | 3,232,690 | 3,063     | 6,706,058  | 3,729,017 |
| Delaware.....               | 120,160    | 20,442    | 6                      | 140,066           | 28,336    | 41        | 153,977    | 30,697    |
| Maryland.....               | 724,693    | 210,230   | 20                     | 826,493           | 215,657   | 240       | 952,424    | 235,064   |
| District of Columbia.....   | 118,006    | 59,696    | 22                     | 154,695           | 75,572    | 125       | 191,632    | 80,702    |
| Virginia.....               | 880,858    | 831,616   | 91                     | 1,020,122         | 635,438   | 420       | 1,192,855  | 660,722   |
| West Virginia.....          | 592,537    | 25,886    | 34                     | 730,077           | 32,690    | 27        | 915,233    | 43,499    |
| North Carolina.....         | 867,242    | 531,277   | 1,231                  | 1,065,382         | 561,018   | 549       | 1,263,008  | 624,469   |
| South Carolina.....         | 391,105    | 604,332   | 140                    | 462,008           | 688,934   | 207       | 557,807    | 782,321   |
| Georgia.....                | 816,908    | 725,133   | 141                    | 978,857           | 858,181   | 181       | 1,181,294  | 1,034,813 |
| Florida.....                | 142,605    | 126,690   | 198                    | 224,949           | 166,180   | 293       | 297,333    | 230,730   |
| East South Central.....     | 3,657,893  | 1,924,998 | 2,562                  | 4,305,668         | 2,119,787 | 3,689     | 5,044,847  | 2,499,686 |
| Kentucky.....               | 1,377,179  | 271,451   | 60                     | 1,690,462         | 268,081   | 102       | 1,862,309  | 284,705   |
| Tennessee.....              | 1,138,831  | 408,151   | 377                    | 1,336,637         | 430,678   | 203       | 1,540,156  | 480,243   |
| Alabama.....                | 602,185    | 600,103   | 217                    | 833,718           | 678,489   | 1,194     | 1,001,152  | 827,907   |
| Mississippi.....            | 479,398    | 650,291   | 1,908                  | 544,851           | 742,559   | 2,190     | 641,200    | 907,630   |
| West South Central.....     | 2,243,722  | 1,087,705 | 2,789                  | 3,295,686         | 1,378,090 | 87,267    | 4,771,065  | 1,694,066 |
| Arkansas.....               | 591,531    | 210,666   | 328                    | 818,752           | 309,117   | 342       | 944,580    | 369,856   |
| Louisiana.....              | 464,954    | 483,655   | 1,337                  | 558,395           | 559,193   | 1,000     | 729,612    | 650,804   |
| Oklahoma <sup>2</sup> ..... |            |           |                        | 172,554           | 21,609    | 64,494    | 670,204    | 56,984    |
| Texas.....                  | 1,197,237  | 393,384   | 1,128                  | 1,745,935         | 488,171   | 1,421     | 2,426,669  | 620,722   |
| Mountain.....               | 614,891    | 5,022     | 33,276                 | 1,117,368         | 12,971    | 83,601    | 1,578,855  | 15,590    |
| Montana.....                | 35,355     | 346       | 3,428                  | 127,690           | 1,490     | 13,744    | 226,283    | 1,523     |
| Idaho.....                  | 20,018     | 53        | 3,544                  | 82,117            | 201       | 6,230     | 154,495    | 293       |
| Wyoming.....                | 19,437     | 298       | 1,054                  | 59,324            | 922       | 2,309     | 89,051     | 940       |
| Colorado.....               | 191,126    | 2,435     | 706                    | 404,534           | 6,215     | 2,500     | 529,046    | 8,570     |
| New Mexico.....             | 108,721    | 1,015     | 9,829                  | 142,918           | 1,956     | 15,408    | 180,207    | 1,610     |
| Arizona.....                | 35,160     | 155       | 5,125                  | 56,734            | 1,857     | 31,152    | 92,903     | 1,845     |
| Utah.....                   | 142,423    | 232       | 1,398                  | 205,925           | 588       | 4,286     | 272,465    | 672       |
| Nevada.....                 | 53,556     | 488       | 8,222                  | 39,121            | 242       | 7,992     | 35,405     | 134       |
| Pacific.....                | 987,455    | 8,830     | 110,293                | 1,754,644         | 14,110    | 119,680   | 2,293,613  | 14,664    |
| Washington.....             | 67,199     | 325       | 7,592                  | 340,829           | 1,602     | 14,801    | 496,204    | 2,514     |
| Oregon.....                 | 163,075    | 487       | 11,206                 | 301,982           | 1,186     | 14,536    | 394,582    | 1,105     |
| California.....             | 767,181    | 5,018     | 91,495                 | 1,111,833         | 11,322    | 90,243    | 1,402,727  | 11,045    |

<sup>1</sup> Includes population specially enumerated in Indian Territory and on Indian reservations.

<sup>2</sup> Exclusive of Indians in Indian Territory and on Indian reservations, not enumerated at censuses prior to 1890.

Source: Bureau of the Census, Department of Commerce.

## RACE, BY STATES

most part as white. See footnote 2, Table 14, for the estimated number of Mexicans included in the tion of 1920

| 1900 —<br>Contd. | 1910         |             |                       | 1920         |                       |          | 1930                  |              |                       | Division<br>and State |
|------------------|--------------|-------------|-----------------------|--------------|-----------------------|----------|-----------------------|--------------|-----------------------|-----------------------|
|                  | All<br>other | White       | Negro<br>All<br>other | White        | Negro<br>All<br>other | White    | Negro<br>All<br>other | White        | Negro<br>All<br>other |                       |
| 351, 385         | 81, 781, 957 | 9, 827, 763 | 412, 648              | 94, 820, 915 | 10, 463, 131          | 428, 574 | 103, 864, 207         | 11, 891, 143 | 2, 019, 696           | U. S.                 |
| 5, 892           | 6, 480, 514  | 66, 306     | 5, 861                | 7, 318, 079  | 78, 051               | 5, 779   | 8, 085, 113           | 94, 088      | 7, 142                | N. E.                 |
| 921              | 730, 995     | 1, 363      | 1, 013                | 765, 695     | 1, 310                | 1, 009   | 795, 183              | 1, 096       | 1, 144                | Me.                   |
| 135              | 429, 900     | 564         | 102                   | 442, 831     | 621                   | 131      | 494, 360              | 790          | 153                   | N. H.                 |
| 44               | 354, 298     | 1, 821      | 37                    | 351, 817     | 572                   | 39       | 358, 965              | 568          | 78                    | Vt.                   |
| 3, 008           | 3, 324, 026  | 38, 055     | 3, 435                | 3, 808, 524  | 45, 408               | 3, 395   | 4, 192, 928           | 52, 365      | 4, 323                | Mass.                 |
| 414              | 532, 492     | 9, 529      | 889                   | 593, 980     | 10, 086               | 881      | 677, 016              | 9, 013       | 568                   | R. I.                 |
| 770              | 1, 008, 897  | 15, 174     | 685                   | 1, 358, 732  | 21, 040               | 863      | 1, 576, 673           | 29, 364      | 876                   | Conn.                 |
| 17, 895          | 18, 880, 452 | 417, 870    | 17, 870               | 21, 641, 840 | 600, 183              | 19, 121  | 25, 172, 104          | 1, 052, 899  | 35, 747               | M. A.                 |
| 12, 781          | 8, 966, 846  | 134, 191    | 12, 678               | 10, 172, 027 | 198, 483              | 14, 717  | 12, 150, 293          | 412, 814     | 24, 959               | N. Y.                 |
| 1, 508           | 2, 445, 894  | 58, 700     | 1, 613                | 3, 037, 087  | 117, 132              | 1, 681   | 3, 829, 209           | 208, 828     | 3, 287                | N. J.                 |
| 3, 006           | 7, 457, 713  | 193, 919    | 3, 479                | 8, 432, 725  | 284, 568              | 2, 723   | 9, 192, 602           | 431, 257     | 7, 491                | Pa.                   |
| 17, 686          | 17, 927, 822 | 300, 836    | 22, 163               | 20, 938, 862 | 514, 554              | 22, 127  | 24, 277, 663          | 930, 450     | 89, 072               | E. N. C.              |
| 440              | 4, 654, 897  | 111, 452    | 772                   | 5, 671, 593  | 180, 187              | 1, 314   | 6, 331, 136           | 309, 304     | 6, 267                | Ohio.                 |
| 455              | 2, 039, 961  | 60, 320     | 2, 695                | 2, 849, 071  | 80, 810               | 509      | 3, 110, 136           | 111, 982     | 10, 385               | Ind.                  |
| 1, 596           | 5, 528, 952  | 109, 049    | 2, 690                | 6, 299, 338  | 182, 274              | 3, 073   | 7, 206, 361           | 328, 972     | 35, 321               | Ill.                  |
| 6, 008           | 2, 785, 247  | 17, 115     | 7, 811                | 3, 601, 627  | 90, 082               | 6, 703   | 4, 650, 171           | 169, 453     | 22, 701               | Mich.                 |
| 8, 589           | 2, 320, 555  | 2, 900      | 10, 405               | 2, 610, 938  | 5, 201                | 9, 828   | 2, 913, 859           | 10, 739      | 14, 408               | Wis.                  |
| 43, 697          | 11, 351, 621 | 242, 082    | 43, 638               | 12, 225, 887 | 273, 521              | 40, 341  | 12, 873, 487          | 331, 784     | 91, 644               | W. N. C.              |
| 9, 390           | 2, 058, 227  | 7, 084      | 9, 397                | 2, 308, 930  | 8, 809                | 9, 880   | 2, 538, 973           | 9, 445       | 15, 535               | Minn.                 |
| 493              | 2, 209, 191  | 14, 973     | 807                   | 2, 384, 931  | 19, 095               | 535      | 2, 448, 352           | 17, 380      | 6, 177                | Iowa.                 |
| 588              | 3, 134, 932  | 167, 452    | 951                   | 3, 225, 044  | 178, 241              | 770      | 3, 308, 887           | 223, 840     | 6, 640                | Mo.                   |
| 7, 148           | 609, 855     | 817         | 6, 584                | 639, 954     | 487                   | 6, 451   | 671, 243              | 377          | 9, 226                | N. Dak.               |
| 3, 801           | 568, 771     | 7, 689      | 19, 900               | 619, 147     | 832                   | 10, 508  | 609, 453              | 640          | 22, 750               | S. Dak.               |
| 2, 005           | 1, 180, 293  | 54, 030     | 4, 232                | 1, 279, 219  | 13, 242               | 3, 011   | 1, 353, 702           | 13, 782      | 10, 509               | Nebr.                 |
| 2, 173           | 1, 694, 352  | 54, 030     | 2, 567                | 1, 708, 906  | 57, 925               | 2, 426   | 1, 792, 847           | 66, 344      | 21, 808               | Kans.                 |
| 8, 405           | 6, 071, 603  | 4, 112, 488 | 10, 804               | 6, 648, 940  | 4, 325, 130           | 10, 212  | 11, 349, 284          | 4, 421, 388  | 22, 917               | S. A.                 |
| 61               | 171, 102     | 31, 181     | 30                    | 192, 616     | 30, 335               | 53       | 205, 694              | 32, 602      | 84                    | Del.                  |
| 556              | 1, 032, 639  | 232, 250    | 457                   | 1, 204, 737  | 244, 479              | 445      | 1, 364, 170           | 276, 379     | 977                   | Md.                   |
| 484              | 326, 138     | 94, 446     | 495                   | 326, 800     | 109, 966              | 746      | 353, 914              | 132, 068     | 897                   | D. C.                 |
| 607              | 1, 989, 808  | 671, 086    | 707                   | 1, 617, 090  | 690, 017              | 1, 261   | 1, 770, 405           | 650, 165     | 1, 281                | Va.                   |
| 68               | 1, 159, 817  | 697, 843    | 1, 229                | 1, 777, 235  | 86, 345               | 121      | 1, 613, 034           | 114, 893     | 378                   | N. Va.                |
| 5, 738           | 1, 600, 511  | 697, 843    | 7, 983                | 1, 783, 779  | 763, 407              | 11, 937  | 2, 234, 948           | 918, 647     | 10, 651               | W. C.                 |
| 183              | 679, 161     | 835, 843    | 396                   | 818, 538     | 864, 719              | 467      | 944, 040              | 768, 681     | 1, 044                | S. C.                 |
| 224              | 1, 431, 802  | 1, 176, 087 | 332                   | 1, 680, 114  | 1, 206, 365           | 358      | 1, 830, 974           | 1, 071, 125  | 407                   | Ga.                   |
| 479              | 443, 634     | 308, 669    | 816                   | 638, 153     | 328, 457              | 830      | 1, 036, 205           | 451, 828     | 1, 178                | Fla.                  |
| 3, 024           | 5, 754, 926  | 2, 652, 513 | 3, 062                | 6, 367, 547  | 2, 523, 532           | 2, 228   | 7, 224, 614           | 2, 658, 238  | 4, 382                | E. S. C.              |
| 159              | 2, 027, 951  | 261, 656    | 298                   | 2, 180, 560  | 235, 938              | 132      | 2, 338, 364           | 226, 040     | 135                   | Ky.                   |
| 187              | 1, 711, 432  | 473, 088    | 260                   | 1, 885, 993  | 481, 768              | 134      | 2, 138, 619           | 477, 649     | 291                   | Tenn.                 |
| 238              | 1, 228, 832  | 908, 282    | 979                   | 1, 447, 032  | 900, 652              | 490      | 1, 700, 776           | 944, 834     | 639                   | Ala.                  |
| 2, 440           | 780, 111     | 1, 008, 487 | 1, 616                | 853, 962     | 935, 184              | 1, 472   | 990, 856              | 1, 009, 718  | 3, 247                | Miss.                 |
| 67, 159          | 6, 721, 491  | 1, 984, 496 | 78, 617               | 8, 115, 727  | 2, 063, 579           | 62, 918  | 9, 099, 981           | 2, 281, 951  | 794, 898              | W. S. C.              |
| 128              | 1, 131, 026  | 442, 891    | 532                   | 1, 279, 757  | 473, 220              | 227      | 1, 374, 908           | 478, 463     | 1, 113                | Ark.                  |
| 1, 209           | 1, 941, 086  | 713, 874    | 1, 428                | 1, 096, 611  | 700, 257              | 1, 641   | 1, 516, 160           | 776, 328     | 7, 107                | La.                   |
| 04, 063          | 1, 444, 631  | 137, 612    | 75, 012               | 1, 821, 194  | 140, 408              | 57, 681  | 2, 123, 424           | 172, 198     | 100, 412              | Oklas.                |
| 1, 319           | 3, 204, 848  | 690, 049    | 1, 645                | 3, 918, 165  | 741, 694              | 3, 889   | 4, 233, 491           | 854, 064     | 656, 260              | Tex.                  |
| 79, 212          | 2, 590, 455  | 21, 487     | 91, 685               | 3, 212, 899  | 30, 801               | 92, 401  | 3, 393, 588           | 30, 225      | 387, 978              | Mt.                   |
| 15, 523          | 360, 580     | 1, 834      | 13, 639               | 534, 280     | 1, 653                | 12, 971  | 517, 327              | 1, 256       | 19, 023               | Mont.                 |
| 6, 964           | 190, 221     | 651         | 5, 722                | 425, 068     | 9, 820                | 5, 273   | 437, 532              | 668          | 6, 802                | Idaho.                |
| 2, 540           | 420, 318     | 2, 235      | 3, 412                | 190, 146     | 1, 375                | 2, 881   | 214, 087              | 1, 250       | 10, 246               | Wyo.                  |
| 2, 084           | 783, 315     | 11, 453     | 4, 156                | 624, 103     | 11, 318               | 4, 208   | 961, 117              | 11, 828      | 62, 846               | Colo.                 |
| 13, 493          | 304, 594     | 1, 628      | 21, 079               | 334, 678     | 5, 733                | 19, 444  | 331, 755              | 2, 850       | 88, 712               | N.Mex.                |
| 28, 190          | 171, 468     | 2, 009      | 30, 877               | 291, 449     | 8, 005                | 34, 708  | 264, 378              | 10, 749      | 160, 446              | Ariz.                 |
| 3, 612           | 366, 583     | 1, 144      | 5, 624                | 441, 901     | 1, 443                | 6, 049   | 485, 055              | 1, 108       | 10, 784               | Utah.                 |
| 6, 796           | 74, 276      | 513         | 7, 086                | 70, 699      | 3, 346                | 6, 362   | 81, 425               | 516          | 9, 117                | Nev.                  |
| 108, 415         | 4, 023, 673  | 29, 195     | 133, 236              | 5, 358, 634  | 47, 790               | 165, 447 | 7, 498, 375           | 90, 192      | 605, 936              | Pac.                  |
| 13, 285          | 1, 102, 111  | 6, 058      | 26, 821               | 1, 319, 777  | 6, 883                | 29, 961  | 1, 521, 099           | 6, 840       | 35, 457               | Wash.                 |
| 17, 849          | 655, 090     | 1, 492      | 16, 183               | 769, 146     | 2, 144                | 12, 069  | 937, 028              | 2, 234       | 14, 523               | Oreg.                 |
| 71, 231          | 2, 269, 672  | 21, 645     | 96, 232               | 3, 284, 711  | 33, 763               | 123, 387 | 5, 040, 247           | 81, 043      | 556, 656              | Calif.                |

<sup>3</sup> Includes population of Indian Territory for 1890 and 1900.

## No. 17.—RACE, NATIVITY.

NOTE.—Figures for 1920 for the native white of foreign parentage and of mixed parentage and for the foreign.

| Division and State             |  | Native white     |            |                   |            |                 |           | Foreign-born white |
|--------------------------------|--|------------------|------------|-------------------|------------|-----------------|-----------|--------------------|
|                                |  | Native parentage |            | Foreign parentage |            | Mixed parentage |           |                    |
|                                |  | 1920             | 1930       | 1920              | 1930       | 1920            | 1930      |                    |
| Continental United States..... |  | 58,421,957       | 70,136,614 | 15,994,589        | 18,999,221 | 6,691,665       | 8,361,866 | 13,712,754         |
| New England.....               |  | 2,803,149        | 3,187,082  | 1,906,340         | 2,120,423  | 735,836         | 943,298   | 1,870,654          |
| Maine.....                     |  | 495,780          | 516,243    | 86,150            | 87,094     | 70,410          | 92,478    | 107,349            |
| New Hampshire.....             |  | 225,512          | 239,438    | 31,039            | 33,791     | 44,547          | 58,461    | 91,233             |
| Vermont.....                   |  | 228,325          | 234,090    | 42,100            | 40,771     | 36,866          | 41,043    | 44,262             |
| Massachusetts.....             |  | 1,230,778        | 1,420,784  | 1,093,258         | 1,202,191  | 401,959         | 506,315   | 1,077,534          |
| Rhode Island.....              |  | 173,553          | 210,903    | 132,630           | 207,032    | 64,268          | 88,307    | 173,499            |
| Connecticut.....               |  | 449,200          | 537,564    | 421,133           | 499,544    | 111,880         | 156,094   | 376,513            |
| Middle Atlantic.....           |  | 9,631,012        | 11,449,898 | 5,397,951         | 6,254,301  | 1,700,302       | 2,198,883 | 4,912,575          |
| New York.....                  |  | 3,688,266        | 4,473,946  | 2,844,083         | 3,351,491  | 873,600         | 1,133,307 | 2,786,112          |
| New Jersey.....                |  | 1,212,075        | 1,571,628  | 829,058           | 1,044,704  | 256,741         | 368,535   | 738,613            |
| Pennsylvania.....              |  | 4,750,071        | 5,404,424  | 1,724,810         | 1,858,106  | 569,995         | 697,021   | 1,387,850          |
| East North Central.....        |  | 11,790,370       | 14,500,375 | 4,043,692         | 4,870,188  | 1,881,521       | 2,182,978 | 3,223,279          |
| Ohio.....                      |  | 3,000,122        | 4,325,311  | 838,251           | 921,783    | 355,823         | 439,891   | 678,697            |
| Indiana.....                   |  | 2,329,544        | 2,605,744  | 227,066           | 225,153    | 141,593         | 150,105   | 150,868            |
| Illinois.....                  |  | 3,066,563        | 3,768,990  | 1,467,036         | 1,606,999  | 558,783         | 672,614   | 1,206,951          |
| Michigan.....                  |  | 1,670,447        | 2,364,038  | 775,288           | 917,850    | 429,267         | 523,099   | 726,635            |
| Wisconsin.....                 |  | 1,054,094        | 1,430,492  | 736,051           | 698,795    | 309,005         | 302,359   | 460,128            |
| West North Central.....        |  | 7,475,548        | 8,547,488  | 2,126,126         | 1,946,472  | 1,251,732       | 1,320,255 | 1,371,961          |
| Minnesota.....                 |  | 827,627          | 1,114,316  | 708,126           | 655,750    | 347,019         | 380,613   | 486,164            |
| Iowa.....                      |  | 1,528,553        | 1,697,538  | 376,710           | 332,051    | 253,271         | 253,058   | 225,647            |
| Missouri.....                  |  | 2,536,936        | 2,776,338  | 300,064           | 272,240    | 202,018         | 200,919   | 186,026            |
| North Dakota.....              |  | 207,960          | 256,622    | 203,973           | 193,107    | 96,512          | 116,306   | 131,503            |
| South Dakota.....              |  | 308,698          | 376,378    | 141,341           | 132,497    | 85,817          | 95,930    | 82,391             |
| Nebraska.....                  |  | 757,064          | 873,849    | 231,948           | 216,227    | 140,555         | 148,280   | 149,652            |
| Kansas.....                    |  | 1,308,804        | 1,453,442  | 103,964           | 144,600    | 125,500         | 125,089   | 110,573            |
| South Atlantic.....            |  | 8,779,413        | 10,412,888 | 363,643           | 384,837    | 199,961         | 247,801   | 315,920            |
| Delaware.....                  |  | 139,876          | 155,024    | 23,288            | 23,477     | 9,641           | 10,308    | 10,310             |
| Maryland.....                  |  | 893,088          | 1,089,796  | 143,203           | 144,418    | 60,269          | 74,803    | 102,177            |
| Dist. of Columbia.....         |  | 239,488          | 262,427    | 35,129            | 30,809     | 23,699          | 24,746    | 28,548             |
| Virginia.....                  |  | 1,634,494        | 1,692,703  | 30,514            | 28,562     | 22,118          | 25,330    | 30,785             |
| West Virginia.....             |  | 1,232,857        | 1,461,544  | 56,625            | 65,854     | 25,847          | 34,016    | 61,906             |
| North Carolina.....            |  | 1,705,203        | 2,208,563  | 5,737             | 7,919      | 6,740           | 9,678     | 7,009              |
| South Carolina.....            |  | 709,418          | 925,439    | 7,025             | 8,477      | 5,694           | 6,863     | 6,401              |
| Georgia.....                   |  | 1,642,697        | 1,792,400  | 16,371            | 15,216     | 13,860          | 15,343    | 16,136             |
| Florida.....                   |  | 632,295          | 874,373    | 35,751            | 55,118     | 27,090          | 46,650    | 43,008             |
| East South Central.....        |  | 6,092,782        | 6,971,937  | 115,484           | 103,333    | 87,342          | 91,679    | 71,939             |
| Kentucky.....                  |  | 2,039,134        | 2,269,540  | 65,931            | 54,320     | 44,715          | 42,664    | 30,780             |
| Tennessee.....                 |  | 1,832,767        | 2,087,383  | 20,423            | 19,308     | 17,335          | 18,867    | 15,478             |
| Alabama.....                   |  | 1,394,129        | 1,646,339  | 19,591            | 19,700     | 15,650          | 19,026    | 17,662             |
| Mississippi.....               |  | 826,732          | 938,675    | 9,539             | 10,010     | 6,642           | 11,122    | 8,019              |
| West South Central.....        |  | 6,956,785        | 8,353,280  | 416,799           | 300,278    | 280,810         | 278,191   | 459,333            |
| Arkansas.....                  |  | 1,228,692        | 1,320,205  | 19,030            | 16,130     | 20,000          | 19,398    | 13,975             |
| Louisiana.....                 |  | 941,724          | 1,172,572  | 67,016            | 61,797     | 43,000          | 48,881    | 44,871             |
| Oklahoma.....                  |  | 1,679,107        | 1,994,305  | 63,083            | 48,465     | 40,036          | 53,901    | 39,998             |
| Texas.....                     |  | 3,112,262        | 3,857,198  | 276,670           | 173,886    | 168,714         | 154,011   | 360,519            |
| Mountain.....                  |  | 2,002,508        | 2,300,255  | 461,132           | 401,071    | 306,034         | 314,348   | 453,225            |
| Montana.....                   |  | 276,803          | 283,539    | 101,918           | 94,580     | 62,919          | 66,247    | 93,620             |
| Idaho.....                     |  | 294,252          | 320,189    | 47,920            | 42,888     | 44,533          | 48,963    | 38,963             |
| Wyoming.....                   |  | 122,884          | 148,381    | 25,234            | 26,439     | 16,773          | 19,580    | 25,255             |
| Colorado.....                  |  | 603,041          | 669,106    | 130,069           | 125,631    | 74,049          | 80,974    | 116,954            |
| New Mexico.....                |  | 273,317          | 302,753    | 18,865            | 10,741     | 13,414          | 10,404    | 29,077             |
| Arizona.....                   |  | 151,145          | 210,247    | 39,534            | 18,902     | 22,671          | 19,638    | 78,099             |
| Utah.....                      |  | 245,781          | 318,470    | 75,901            | 69,525     | 63,764          | 64,188    | 56,455             |
| Nevada.....                    |  | 39,285           | 47,870     | 11,701            | 12,365     | 7,911           | 8,215     | 14,802             |
| Pacific.....                   |  | 2,887,887        | 4,433,738  | 884,372           | 1,118,320  | 548,007         | 786,564   | 1,033,888          |
| Washington.....                |  | 711,706          | 873,627    | 214,618           | 229,063    | 143,398         | 174,153   | 250,055            |
| Oregon.....                    |  | 497,726          | 629,974    | 95,827            | 108,797    | 73,442          | 92,753    | 102,151            |
| California.....                |  | 1,677,955        | 2,930,135  | 573,927           | 780,460    | 331,167         | 519,618   | 681,662            |

Source: Bureau of the Census, Department of Commerce.

## AND PARENTAGE, BY STATES

born white include Mexicans who were given a separate classification in 1930. See footnote 2, Table 14

| Foreign-born white—Contd. | Negro      |            | Mexican   | Indian  |         | Chinese |        | Japanese |         | Division and State |
|---------------------------|------------|------------|-----------|---------|---------|---------|--------|----------|---------|--------------------|
|                           | 1920       | 1930       | 1930      | 1920    | 1930    | 1920    | 1930   | 1920     | 1930    |                    |
| 13,366,407                | 10,468,131 | 11,891,143 | 1,422,583 | 244,437 | 332,397 | 61,639  | 74,954 | 111,010  | 138,834 | U. S.              |
| 1,834,810                 | 73,051     | 94,086     | 107       | 1,715   | 2,466   | 3,602   | 3,794  | 347      | 352     | N. E.              |
| 100,308                   | 1,310      | 1,086      | 2         | 839     | 1,012   | 161     | 116    | 7        | 3       | Me.                |
| 82,000                    | 621        | 790        | 1         | 23      | 64      | 65      | 84     | 8        | -----   | N. H.              |
| 43,061                    | 572        | 508        | 1         | 24      | 36      | 11      | 34     | 4        | 1       | Vt.                |
| 1,094,036                 | 45,406     | 52,365     | 66        | 555     | 874     | 2,544   | 2,973  | 191      | 201     | Mass.              |
| 170,714                   | 10,039     | 9,913      | 10        | 110     | 318     | 225     | 197    | 35       | 17      | R. I.              |
| 382,871                   | 21,049     | 29,354     | 27        | 169     | 162     | 869     | 391    | 102      | 130     | Conn.              |
| 5,269,042                 | 600,183    | 1,053,899  | 6,757     | 5,940   | 7,709   | 9,812   | 14,005 | 3,263    | 3,662   | M. A.              |
| 3,191,649                 | 198,463    | 412,814    | 2,898     | 5,503   | 6,973   | 5,793   | 9,085  | 2,636    | 2,030   | N. Y.              |
| 844,442                   | 117,132    | 208,828    | 454       | 100     | 213     | 1,190   | 1,783  | 325      | 439     | N. J.              |
| 1,233,051                 | 284,508    | 431,257    | 3,405     | 337     | 523     | 1,829   | 2,557  | 265      | 293     | Pa.                |
| 3,223,924                 | 514,554    | 930,450    | 58,317    | 15,695  | 18,817  | 5,043   | 6,340  | 927      | 1,022   | E. N. C.           |
| 644,151                   | 180,187    | 309,304    | 4,037     | 151     | 435     | 941     | 1,425  | 130      | 187     | Ohio.              |
| 135,134                   | 80,810     | 111,982    | 9,642     | 125     | 285     | 263     | 279    | 81       | 71      | Ind.               |
| 1,213,158                 | 182,274    | 328,072    | 25,906    | 194     | 469     | 2,776   | 3,192  | 472      | 564     | Ill.               |
| 840,208                   | 60,082     | 109,453    | 13,336    | 5,614   | 7,080   | 702     | 1,081  | 184      | 170     | Mich.              |
| 360,213                   | 5,201      | 10,739     | 2,396     | 9,611   | 11,548  | 251     | 393    | 60       | 24      | Wis.               |
| 1,059,977                 | 278,521    | 331,784    | 39,805    | 37,263  | 48,245  | 1,678   | 1,735  | 1,915    | 1,003   | W. N. C.           |
| 382,294                   | 8,800      | 9,445      | 3,623     | 8,761   | 11,077  | 508     | 524    | 85       | 69      | Minn.              |
| 165,735                   | 19,005     | 17,350     | 4,295     | 529     | 660     | 235     | 153    | 20       | 19      | Iowa.              |
| 149,990                   | 173,241    | 223,840    | 4,089     | 171     | 578     | 412     | 634    | 135      | 94      | Mo.                |
| 105,143                   | 467        | 377        | 608       | 6,254   | 8,327   | 124     | 103    | 72       | 91      | N. Dak.            |
| 65,648                    | 832        | 646        | 816       | 16,384  | 21,933  | 142     | 70     | 38       | 19      | S. Dak.            |
| 115,346                   | 13,242     | 13,752     | 6,321     | 2,838   | 3,256   | 189     | 194    | 804      | 674     | Nebr.              |
| 69,716                    | 57,925     | 66,344     | 19,150    | 2,276   | 2,454   | 68      | 60     | 52       | 37      | Kans.              |
| 804,278                   | 4,326,120  | 4,421,358  | 691       | 13,673  | 19,060  | 1,824   | 1,869  | 380      | 393     | S. A.              |
| 16,885                    | 30,335     | 32,002     | 24        | 2       | 5       | 43      | 38     | 3        | 8       | Del.               |
| 95,068                    | 244,479    | 276,379    | 56        | 32      | 50      | 371     | 492    | 29       | 33      | Md.                |
| 29,932                    | 109,066    | 132,068    | 67        | 37      | 40      | 461     | 398    | 103      | 78      | D. C.              |
| 23,820                    | 690,017    | 650,165    | 33        | 824     | 779     | 278     | 263    | 56       | 43      | Va.                |
| 51,620                    | 86,345     | 114,893    | 267       | 7       | 18      | 98      | 86     | 10       | 9       | W. Va.             |
| 8,788                     | 769,407    | 918,647    | 10        | 11,324  | 16,579  | 88      | 68     | 24       | 17      | N. C.              |
| 5,266                     | 864,719    | 793,681    | 9         | 304     | 959     | 93      | 41     | 15       | 15      | S. C.              |
| 13,017                    | 1,206,305  | 1,071,125  | 47        | 125     | 43      | 211     | 253    | 9        | 32      | Ga.                |
| 59,057                    | 329,487    | 431,828    | 186       | 518     | 587     | 181     | 200    | 106      | 153     | Fla.               |
| 57,665                    | 2,623,632  | 2,668,238  | 1,405     | 1,623   | 2,104   | 642     | 743    | 36       | 46      | E. S. C.           |
| 21,840                    | 235,938    | 226,040    | 88        | 57      | 22      | 62      | 60     | 9        | 9       | Ky.                |
| 13,066                    | 451,738    | 477,646    | 25        | 56      | 161     | 57      | 70     | 8        | 11      | Tenn.              |
| 15,710                    | 900,652    | 944,834    | 69        | 405     | 465     | 59      | 52     | 18       | 25      | Ala.               |
| 7,049                     | 935,184    | 1,009,718  | 1,221     | 1,105   | 1,453   | 364     | 561    | -----    | 1       | Miss.              |
| 170,332                   | 2,068,879  | 2,281,951  | 696,996   | 60,618  | 95,670  | 1,534   | 1,682  | 578      | 687     | W. S. C.           |
| 10,173                    | 472,220    | 478,463    | 409       | 106     | 408     | 113     | 251    | 5        | 12      | Ark.               |
| 34,910                    | 700,257    | 776,326    | 4,552     | 1,066   | 1,536   | 387     | 422    | 57       | 52      | La.                |
| 26,753                    | 149,408    | 172,198    | 7,354     | 57,337  | 92,725  | 261     | 206    | 67       | 104     | Okl.               |
| 98,396                    | 741,604    | 854,964    | 683,681   | 2,109   | 1,001   | 778     | 703    | 449      | 619     | Tex.               |
| 237,914                   | 30,801     | 30,235     | 249,314   | 76,899  | 102,083 | 4,339   | 3,252  | 10,792   | 11,418  | Mo.                |
| 72,961                    | 1,658      | 1,256      | 2,571     | 10,956  | 14,798  | 872     | 486    | 1,074    | 753     | Mont.              |
| 30,454                    | 920        | 668        | 1,278     | 3,098   | 3,638   | 585     | 335    | 1,569    | 1,421   | Idaho.             |
| 19,658                    | 1,375      | 1,250      | 7,174     | 1,343   | 1,845   | 252     | 130    | 1,194    | 1,026   | Wyo.               |
| 85,406                    | 11,318     | 11,828     | 57,676    | 1,383   | 1,395   | 291     | 233    | 2,464    | 3,213   | Colo.              |
| 7,797                     | 6,733      | 2,850      | 59,340    | 19,512  | 28,941  | 171     | 133    | 251      | 249     | N. Mex.            |
| 15,591                    | 8,005      | 10,749     | 114,173   | 32,989  | 43,726  | 1,137   | 1,110  | 550      | 879     | Ariz.              |
| 43,772                    | 1,446      | 1,108      | 4,012     | 2,711   | 2,869   | 342     | 342    | 2,936    | 3,269   | Utah.              |
| 12,275                    | 346        | 516        | 3,090     | 4,907   | 4,871   | 689     | 483    | 754      | 608     | Nev.               |
| 1,159,785                 | 47,790     | 90,122     | 370,143   | 31,011  | 35,241  | 34,265  | 41,631 | 98,490   | 120,251 | Pac.               |
| 244,256                   | 6,883      | 6,840      | 562       | 9,061   | 11,253  | 2,363   | 2,195  | 17,387   | 17,337  | Wash.              |
| 105,475                   | 2,144      | 2,234      | 1,568     | 4,690   | 4,776   | 3,060   | 2,075  | 4,151    | 4,958   | Oreg.              |
| 810,034                   | 38,793     | 81,048     | 308,013   | 17,360  | 19,212  | 28,812  | 37,361 | 71,952   | 97,456  | Calif.             |



## No. 18.—RACE, NATIVITY, AND PARENTAGE: PERCENTAGES, BY STATES

NOTE.—Percentages for 1930, particularly in some States, are affected by the change in classification of Mexicans. See footnote 2, Table 14.

| Division and State         | Per cent of total population |      |      |       |      |      | Per cent of white population |                  |                   |                 |      |      |      |
|----------------------------|------------------------------|------|------|-------|------|------|------------------------------|------------------|-------------------|-----------------|------|------|------|
|                            | White                        |      |      | Negro |      |      | Native, 1930                 |                  |                   | Foreign born    |      |      |      |
|                            | 1910                         | 1920 | 1930 | 1910  | 1920 | 1930 | Total                        | Native parentage | Foreign parentage | Mixed parentage | 1910 | 1920 | 1930 |
| Continental United States. | 88.9                         | 89.7 | 88.7 | 10.7  | 9.9  | 9.7  | 87.7                         | 64.4             | 15.6              | 7.7             | 16.3 | 14.5 | 12.3 |
| New England.....           | 98.9                         | 98.3 | 98.5 | 1.0   | 1.1  | 1.2  | 77.3                         | 36.3             | 23.3              | 11.7            | 23.0 | 26.6 | 22.7 |
| Maine.....                 | 99.7                         | 90.7 | 99.7 | .2    | .2   | .1   | 87.4                         | 64.8             | 11.0              | 11.6            | 14.9 | 14.0 | 12.6 |
| New Hampshire.....         | 99.8                         | 90.8 | 90.8 | .1    | .1   | .2   | 82.2                         | 51.6             | 18.0              | 12.6            | 22.5 | 20.6 | 17.8 |
| Vermont.....               | 99.5                         | 90.8 | 90.8 | .5    | .2   | .2   | 88.0                         | 65.2             | 11.4              | 11.4            | 14.1 | 12.7 | 12.0 |
| Massachusetts.....         | 98.8                         | 98.7 | 98.7 | 1.1   | 1.2  | 1.2  | 74.8                         | 34.1             | 28.7              | 12.1            | 31.6 | 28.3 | 25.2 |
| Rhode Island.....          | 98.1                         | 98.3 | 98.5 | 1.8   | 1.7  | 1.4  | 74.8                         | 31.2             | 30.6              | 13.0            | 33.4 | 20.2 | 25.2 |
| Connecticut.....           | 98.6                         | 98.4 | 98.1 | 1.4   | 1.5  | 1.8  | 75.7                         | 34.1             | 31.7              | 9.9             | 29.0 | 27.7 | 24.3 |
| Middle Atlantic.....       | 97.7                         | 97.2 | 95.9 | 2.2   | 2.7  | 4.0  | 79.1                         | 45.5             | 24.8              | 8.7             | 25.6 | 22.7 | 20.9 |
| New York.....              | 93.4                         | 97.9 | 96.5 | 1.5   | 1.0  | 3.3  | 73.7                         | 36.8             | 27.6              | 9.3             | 30.4 | 27.4 | 26.3 |
| New Jersey.....            | 93.4                         | 96.2 | 94.8 | 3.5   | 3.7  | 5.2  | 77.9                         | 41.0             | 27.3              | 9.6             | 26.9 | 24.3 | 22.1 |
| Pennsylvania.....          | 97.4                         | 96.7 | 95.4 | 2.5   | 3.3  | 4.5  | 56.6                         | 58.8             | 20.2              | 7.6             | 19.3 | 10.5 | 13.4 |
| East North Central.....    | 98.2                         | 97.5 | 96.0 | 1.6   | 2.4  | 3.7  | 88.7                         | 59.7             | 18.0              | 9.0             | 17.1 | 15.4 | 13.3 |
| Ohio.....                  | 97.6                         | 90.7 | 95.3 | 2.3   | 3.2  | 4.7  | 59.8                         | 68.3             | 14.6              | 6.0             | 12.8 | 12.2 | 10.2 |
| Indiana.....               | 97.7                         | 97.2 | 96.2 | 2.2   | 2.8  | 3.5  | 95.7                         | 83.6             | 7.2               | 4.8             | 6.0  | 5.3  | 4.3  |
| Illinois.....              | 98.0                         | 97.1 | 95.2 | 1.9   | 2.8  | 4.3  | 79.3                         | 51.9             | 22.1              | 9.3             | 21.8 | 19.2 | 16.8 |
| Michigan.....              | 99.1                         | 98.2 | 96.0 | .6    | 1.0  | 3.5  | 81.9                         | 50.8             | 19.7              | 11.4            | 21.4 | 20.2 | 18.1 |
| Wisconsin.....             | 96.4                         | 90.4 | 99.1 | .1    | .2   | .2   | 86.7                         | 49.3             | 24.0              | 13.5            | 22.1 | 17.0 | 13.3 |
| West North Central.....    | 97.5                         | 97.5 | 98.8 | 2.1   | 2.2  | 2.5  | 91.8                         | 69.4             | 15.1              | 10.3            | 14.2 | 11.2 | 8.2  |
| Minnesota.....             | 90.2                         | 99.2 | 99.0 | .3    | .4   | .4   | 84.7                         | 43.9             | 25.8              | 15.0            | 20.4 | 20.5 | 15.3 |
| Iowa.....                  | 99.3                         | 99.2 | 99.1 | .7    | .8   | .7   | 93.2                         | 69.3             | 13.6              | 10.3            | 12.4 | 9.5  | 6.8  |
| Missouri.....              | 95.2                         | 94.7 | 93.6 | 4.5   | 5.2  | 6.2  | 95.6                         | 81.7             | 8.0               | 5.9             | 7.3  | 6.8  | 4.4  |
| North Dakota.....          | 98.8                         | 98.9 | 98.4 | .1    | .1   | .1   | 84.3                         | 38.2             | 28.8              | 17.3            | 27.4 | 20.5 | 15.7 |
| South Dakota.....          | 96.0                         | 97.3 | 96.6 | .1    | .1   | .1   | 90.2                         | 56.1             | 19.8              | 14.3            | 17.8 | 13.3 | 9.8  |
| Nebraska.....              | 90.0                         | 98.7 | 98.2 | .6    | 1.0  | 1.0  | 91.5                         | 64.6             | 16.0              | 11.0            | 14.9 | 11.7 | 8.5  |
| Kansas.....                | 96.7                         | 96.0 | 95.3 | 3.2   | 3.3  | 3.5  | 86.1                         | 81.1             | 8.1               | 7.0             | 8.3  | 6.5  | 3.9  |
| South Atlantic.....        | 66.2                         | 69.0 | 71.9 | 33.7  | 30.8 | 28.0 | 57.3                         | 91.7             | 3.4               | 2.2             | 3.6  | 3.3  | 2.7  |
| Delaware.....              | 34.0                         | 36.4 | 38.3 | 15.4  | 13.6 | 13.7 | 51.8                         | 75.4             | 11.4              | 5.0             | 10.2 | 10.3 | 8.2  |
| Maryland.....              | 32.0                         | 33.1 | 33.0 | 17.0  | 16.9 | 16.0 | 93.0                         | 76.8             | 10.7              | 5.5             | 9.8  | 8.5  | 7.0  |
| Dist. of Columbia.....     | 71.3                         | 74.7 | 72.7 | 28.5  | 26.1 | 27.1 | 91.5                         | 74.1             | 10.4              | 7.0             | 10.3 | 8.7  | 5.5  |
| Virginia.....              | 67.4                         | 70.1 | 73.1 | 32.0  | 20.9 | 23.8 | 98.7                         | 95.6             | 1.6               | 1.4             | 1.9  | 1.9  | 1.3  |
| West Virginia.....         | 94.7                         | 94.1 | 93.3 | 5.3   | 5.9  | 6.8  | 96.8                         | 90.6             | 4.1               | 2.1             | 4.9  | 4.5  | 3.2  |
| North Carolina.....        | 68.0                         | 68.7 | 70.5 | 31.6  | 29.8 | 29.0 | 99.6                         | 98.8             | .4                | .4              | .4   | .4   | .4   |
| South Carolina.....        | 44.8                         | 45.6 | 54.3 | 56.2  | 51.4 | 45.6 | 99.4                         | 98.0             | .7                | .7              | .9   | .8   | .6   |
| Georgia.....               | 54.9                         | 58.3 | 63.2 | 45.1  | 41.7 | 36.8 | 99.2                         | 97.6             | .8                | .8              | 1.1  | 1.0  | .8   |
| Florida.....               | 58.9                         | 65.9 | 70.5 | 41.0  | 34.0 | 20.4 | 94.3                         | 84.5             | 5.3               | 4.5             | 7.6  | 6.7  | 5.7  |
| East South Central.....    | 68.4                         | 71.8 | 73.1 | 31.5  | 28.4 | 26.9 | 99.2                         | 98.5             | 1.4               | 1.3             | 1.5  | 1.1  | .8   |
| Kentucky.....              | 58.6                         | 60.2 | 61.3 | 11.4  | 9.8  | 8.6  | 93.1                         | 95.0             | 2.3               | 1.8             | 2.0  | 1.4  | .9   |
| Tennessee.....             | 78.3                         | 80.7 | 81.7 | 21.7  | 19.3 | 18.3 | 99.4                         | 97.6             | .9                | .9              | 1.1  | .8   | .6   |
| Alabama.....               | 57.5                         | 61.6 | 64.3 | 42.5  | 38.4 | 35.7 | 99.1                         | 96.8             | 1.2               | 1.1             | 1.5  | 1.2  | .9   |
| Mississippi.....           | 43.7                         | 47.7 | 49.6 | 56.2  | 52.2 | 50.2 | 99.3                         | 97.2             | 1.0               | 1.1             | 1.2  | .9   | .7   |
| West South Central.....    | 76.5                         | 79.2 | 74.7 | 23.6  | 20.1 | 13.7 | 98.1                         | 91.8             | 3.3               | 3.0             | 5.2  | 5.7  | 1.9  |
| Arkansas.....              | 71.8                         | 73.0 | 74.1 | 25.1  | 27.0 | 25.8 | 99.3                         | 96.7             | 1.2               | 1.4             | 1.5  | 1.1  | .7   |
| Louisiana.....             | 56.8                         | 61.0 | 62.7 | 43.1  | 38.9 | 36.9 | 97.4                         | 89.0             | 4.7               | 3.7             | 6.5  | 4.1  | 2.6  |
| Oklahoma.....              | 87.2                         | 89.8 | 88.6 | 8.3   | 7.4  | 7.2  | 98.7                         | 93.9             | 2.3               | 2.5             | 2.8  | 2.2  | 1.3  |
| Texas.....                 | 82.2                         | 84.0 | 73.5 | 17.7  | 15.9 | 14.7 | 97.7                         | 90.0             | 4.1               | 3.6             | 7.5  | 9.2  | 2.3  |
| Mountain.....              | 85.7                         | 96.3 | 99.2 | .8    | .9   | .8   | 91.3                         | 69.6             | 12.1              | 9.5             | 17.3 | 14.1 | 8.7  |
| Montana.....               | 95.9                         | 97.3 | 96.2 | .5    | .3   | .2   | 85.9                         | 54.8             | 18.3              | 12.8            | 25.4 | 17.5 | 14.1 |
| Idaho.....                 | 98.0                         | 98.6 | 98.3 | .2    | .2   | .2   | 93.0                         | 73.2             | 9.8               | 10.1            | 12.7 | 9.2  | 7.0  |
| Wyoming.....               | 96.1                         | 97.8 | 94.9 | 1.5   | .7   | .6   | 90.8                         | 69.3             | 12.4              | 9.2             | 10.3 | 13.3 | 9.2  |
| Colorado.....              | 98.0                         | 98.3 | 92.8 | 1.4   | 1.2  | 1.1  | 91.1                         | 69.6             | 13.1              | 8.4             | 16.2 | 12.7 | 8.9  |
| New Mexico.....            | 93.1                         | 92.9 | 78.4 | .5    | 1.6  | .7   | 97.6                         | 91.3             | 3.2               | 3.2             | 7.4  | 8.7  | 2.4  |
| Arizona.....               | 83.9                         | 87.2 | 60.7 | 1.0   | 2.4  | 2.5  | 94.1                         | 79.5             | 7.1               | 7.4             | 27.3 | 26.8 | 5.9  |
| Utah.....                  | 98.2                         | 98.3 | 97.7 | .3    | .3   | .2   | 91.2                         | 64.2             | 14.0              | 12.9            | 17.3 | 12.8 | 8.8  |
| Nevada.....                | 90.7                         | 91.3 | 89.4 | .6    | .4   | .0   | 84.9                         | 58.4             | 15.2              | 11.3            | 24.2 | 20.9 | 15.1 |
| Pacific.....               | 96.0                         | 96.2 | 91.5 | .7    | .9   | 1.1  | 84.5                         | 59.1             | 14.9              | 10.5            | 21.4 | 19.3 | 15.6 |
| Washington.....            | 97.1                         | 97.3 | 97.3 | .5    | .5   | .4   | 83.9                         | 57.4             | 15.1              | 11.4            | 21.7 | 18.9 | 16.1 |
| Oregon.....                | 97.4                         | 98.2 | 98.2 | .2    | .3   | .2   | 88.7                         | 67.2             | 11.6              | 9.9             | 15.7 | 13.3 | 11.3 |
| California.....            | 95.0                         | 95.3 | 88.8 | .9    | 1.1  | 1.4  | 83.9                         | 58.1             | 15.5              | 20.3            | 22.9 | 20.9 | 16.1 |

Source: Bureau of the Census, Department of Commerce.

**No. 19.—URBAN AND RURAL POPULATION: BY RACE, NATIVITY, AND PARENTAGE, BY SEX AND AGE GROUPS, CONTINENTAL UNITED STATES**

NOTE.—For definition of urban and rural population see Table 7, page 6

| Class                           | Number     |            |            |            | Per cent distribution |       |       |       |
|---------------------------------|------------|------------|------------|------------|-----------------------|-------|-------|-------|
|                                 | Urban      |            | Rural      |            | Urban                 |       | Rural |       |
|                                 | 1920       | 1930       | 1920       | 1930       | 1920                  | 1930  | 1920  | 1930  |
| Total.....                      | 54,304,803 | 63,964,823 | 51,406,017 | 53,320,223 | 100.0                 | 100.0 | 100.0 | 100.0 |
| White.....                      | 50,620,084 | 62,836,605 | 44,200,831 | 46,027,602 | 93.2                  | 91.1  | 86.0  | 85.5  |
| Negro.....                      | 3,559,473  | 6,193,913  | 6,903,658  | 6,697,230  | 6.6                   | 7.5   | 13.4  | 12.4  |
| All other <sup>1</sup> .....    | 125,046    | 924,305    | 801,528    | 1,095,391  | .2                    | 1.3   | .6    | 2.0   |
| Native white:                   |            |            |            |            |                       |       |       |       |
| Native parentage.....           | 24,556,729 | 33,497,232 | 33,865,228 | 36,639,362 | 46.2                  | 48.6  | 65.9  | 68.1  |
| Foreign or mixed parentage..... | 15,706,372 | 18,612,514 | 6,976,832  | 6,748,672  | 28.9                  | 27.0  | 13.6  | 12.5  |
| Foreign-born white.....         | 10,356,983 | 10,726,859 | 3,355,771  | 2,639,548  | 19.1                  | 15.6  | 6.5   | 4.9   |

  

| Class                           | Sex distribution, 1930 |            |                       |            |            |                       |
|---------------------------------|------------------------|------------|-----------------------|------------|------------|-----------------------|
|                                 | Urban                  |            |                       | Rural      |            |                       |
|                                 | Male                   | Female     | Males per 100 females | Male       | Female     | Males per 100 females |
| Total.....                      | 34,154,780             | 34,800,083 | 98.1                  | 27,982,320 | 25,837,903 | 108.3                 |
| White.....                      | 31,162,570             | 31,674,085 | 98.4                  | 24,001,284 | 22,026,318 | 109.0                 |
| Negro.....                      | 2,479,168              | 2,714,765  | 91.3                  | 3,376,611  | 3,320,719  | 101.7                 |
| All other.....                  | 513,032                | 411,278    | 124.7                 | 804,525    | 490,866    | 123.2                 |
| Native white:                   |                        |            |                       |            |            |                       |
| Native parentage.....           | 16,615,816             | 16,981,416 | 97.3                  | 13,944,185 | 17,695,197 | 107.1                 |
| Foreign or mixed parentage..... | 9,004,687              | 9,607,847  | 98.7                  | 3,545,477  | 3,203,195  | 110.7                 |
| Foreign-born white.....         | 6,642,087              | 5,084,772  | 111.0                 | 1,511,622  | 1,127,920  | 134.0                 |

  

| Class                           | Age distribution, 1930 |              |                |                |                |                |                   |          |
|---------------------------------|------------------------|--------------|----------------|----------------|----------------|----------------|-------------------|----------|
|                                 | Under 5 years          | 5 to 9 years | 10 to 14 years | 15 to 19 years | 20 to 44 years | 45 to 64 years | 65 years and over | Un-known |
| <b>URBAN POPULATION</b>         |                        |              |                |                |                |                |                   |          |
| Total urban.....                | 5,628,360              | 6,211,141    | 5,649,693      | 6,016,411      | 26,071,885     | 12,490,768     | 3,623,636         | 66,086   |
| Per cent of total.....          | 8.2                    | 9.0          | 8.6            | 8.7            | 42.2           | 18.1           | 5.1               | 0.1      |
| Male.....                       | 2,855,018              | 3,128,686    | 2,970,019      | 2,881,288      | 14,351,722     | 6,304,095      | 1,627,628         | 36,004   |
| Female.....                     | 2,771,342              | 3,082,455    | 2,679,674      | 3,134,123      | 14,720,163     | 6,186,667      | 1,895,807         | 30,082   |
| White.....                      | 5,074,431              | 5,621,105    | 5,455,278      | 5,486,937      | 26,166,057     | 11,611,834     | 3,369,066         | 54,897   |
| Negro.....                      | 427,607                | 468,357      | 407,867        | 447,155        | 2,520,611      | 773,870        | 130,108           | 9,368    |
| All other.....                  | 124,322                | 121,679      | 86,548         | 81,319         | 385,217        | 105,058        | 18,361            | 1,801    |
| Native white:                   |                        |              |                |                |                |                |                   |          |
| Native parentage.....           | 3,517,183              | 3,597,690    | 3,171,407      | 3,053,878      | 13,545,214     | 5,077,408      | 1,495,526         | 38,026   |
| Foreign or mixed parentage..... | 1,533,643              | 1,920,459    | 2,160,882      | 2,156,167      | 7,315,446      | 2,797,688      | 720,309           | 7,949    |
| Foreign-born white.....         | 23,606                 | 102,966      | 122,989        | 276,902        | 5,305,397      | 3,736,757      | 1,150,231         | 8,022    |
| <b>RURAL POPULATION</b>         |                        |              |                |                |                |                |                   |          |
| Total rural.....                | 5,816,030              | 6,398,465    | 6,055,184      | 5,586,704      | 17,951,862     | 8,924,219      | 3,110,270         | 27,966   |
| Per cent of total.....          | 10.8                   | 11.9         | 11.3           | 10.3           | 33.4           | 16.6           | 5.8               | 0.1      |
| Male.....                       | 2,951,156              | 3,262,422    | 3,098,758      | 2,876,537      | 9,223,378      | 4,866,974      | 1,697,283         | 15,812   |
| Female.....                     | 2,866,874              | 3,144,046    | 2,956,428      | 2,680,167      | 8,727,984      | 4,057,245      | 1,412,987         | 12,174   |
| White.....                      | 4,852,965              | 5,335,039    | 5,091,094      | 4,624,647      | 15,365,687     | 7,890,311      | 2,845,517         | 22,432   |
| Negro.....                      | 802,599                | 900,024      | 843,875        | 803,373        | 2,197,204      | 912,351        | 253,611           | 4,393    |
| All other.....                  | 162,466                | 161,405      | 120,506        | 108,684        | 888,471        | 121,567        | 31,142            | 1,161    |
| Native white:                   |                        |              |                |                |                |                |                   |          |
| Native parentage.....           | 4,421,982              | 4,722,348    | 4,356,945      | 3,878,625      | 11,885,306     | 5,440,380      | 1,964,361         | 18,435   |
| Foreign or mixed parentage..... | 420,800                | 592,958      | 709,312        | 698,294        | 2,550,107      | 1,364,914      | 404,094           | 2,195    |
| Foreign-born white.....         | 4,183                  | 18,735       | 24,747         | 47,728         | 960,274        | 1,085,017      | 507,062           | 1,802    |

<sup>1</sup> For 1930 includes Mexicans. See note 2, Table 14.

Source: Bureau of the Census, Department of Commerce.

## No. 20.—POPULATION STATISTICS OF CITIES

NOTE.—The 1930 figures for "Other races" include Mexicans who in 1920 were classified for the most population of the city. The increase from census to census includes that

| City                              | Total population |           |                     |                     |                     | Native white, native parentage |         |                |
|-----------------------------------|------------------|-----------|---------------------|---------------------|---------------------|--------------------------------|---------|----------------|
|                                   | 1890             | 1900      | 1910                | 1920                | 1930                | Number                         |         | Per cent, 1930 |
|                                   |                  |           |                     |                     |                     | 1920                           | 1930    |                |
| Akron, Ohio.....                  | 27,601           | 42,728    | 69,067              | 208,435             | 255,040             | 125,079                        | 162,690 | 63.8           |
| Albany, N. Y.....                 | 94,923           | 94,161    | 190,255             | 113,844             | 127,412             | 56,265                         | 66,566  | 52.2           |
| Allentown, Pa.....                | 25,228           | 36,416    | 51,913              | 73,502              | 92,603              | 51,937                         | 64,147  | 60.3           |
| Altoona, Pa.....                  | 30,337           | 38,973    | 52,127              | 60,331              | 82,054              | 48,300                         | 61,969  | 76.5           |
| Asheville, N. C.....              | 10,236           | 14,604    | 18,762              | 23,504              | 36,193              | 10,984                         | 33,585  | 60.0           |
| Atlanta, Ga.....                  | 65,533           | 89,872    | 154,839             | 200,010             | 270,366             | 124,648                        | 166,513 | 61.6           |
| Atlantic City, N. J.....          | 13,057           | 27,838    | 46,150              | 50,707              | 66,198              | 22,687                         | 24,494  | 37.0           |
| Augusta, Ga.....                  | 33,800           | 39,441    | 41,940              | 52,648              | 60,842              | 25,889                         | 33,310  | 55.2           |
| Austin, Tex.....                  | 14,576           | 22,258    | 29,860              | 34,876              | 53,120              | 20,909                         | 31,066  | 59.6           |
| Baltimore, Md.....                | 434,439          | 508,957   | 558,485             | 733,826             | 804,874             | 378,380                        | 427,372 | 53.1           |
| Bayonne, N. J.....                | 10,033           | 32,722    | 55,546 <sup>1</sup> | 76,754 <sup>1</sup> | 88,879 <sup>1</sup> | 14,497                         | 20,085  | 22.6           |
| Beaumont, Tex.....                | 3,299            | 9,427     | 20,040              | 40,422              | 67,732              | 21,710                         | 32,900  | 67.0           |
| Berkeley, Calif.....              | 6,101            | 13,214    | 40,434              | 60,039              | 82,109              | 28,099                         | 43,765  | 53.3           |
| Bethlehem, Pa. <sup>2</sup> ..... | 9,821            | 10,758    | 12,837              | 50,353              | 67,892              | 20,603                         | 20,820  | 61.6           |
| Binghamton, N. Y.....             | 35,005           | 39,047    | 45,443              | 66,890              | 76,632              | 40,030                         | 46,369  | 60.5           |
| Birmingham, Ala.....              | 26,178           | 38,415    | 132,686             | 178,806             | 259,678             | 92,211                         | 141,493 | 54.5           |
| Boston, Mass. <sup>3</sup> .....  | 448,477          | 560,892   | 670,585             | 748,000             | 781,183             | 381,811                        | 200,130 | 25.6           |
| Bridgeport, Conn.....             | 48,869           | 70,996    | 102,054             | 143,555             | 149,716             | 30,816                         | 37,537  | 25.6           |
| Brockton, Mass.....               | 27,294           | 40,063    | 55,878              | 66,254              | 63,797              | 24,043                         | 24,909  | 39.0           |
| Buffalo, N. Y.....                | 255,694          | 352,387   | 423,715             | 506,775             | 573,076             | 165,135                        | 212,580 | 37.1           |
| Cambridge, Mass.....              | 70,628           | 91,856    | 104,839             | 100,694             | 113,643             | 20,045                         | 31,100  | 27.4           |
| Camden, N. J.....                 | 58,313           | 75,935    | 94,538              | 116,300             | 118,700             | 55,249                         | 52,912  | 44.6           |
| Canton, Ohio.....                 | 26,189           | 30,667    | 50,217              | 87,091              | 104,906             | 53,793                         | 65,090  | 62.0           |
| Cedar Rapids, Iowa.....           | 18,020           | 25,656    | 32,811              | 45,550              | 66,097              | 26,667                         | 30,025  | 64.2           |
| Charleston, S. C.....             | 54,056           | 55,807    | 58,833              | 67,967              | 62,268              | 23,232                         | 28,248  | 45.4           |
| Charleston, W. Va.....            | 6,742            | 11,099    | 22,096              | 39,603              | 60,408              | 31,944                         | 48,167  | 79.7           |
| Charlotte, N. C.....              | 11,557           | 18,091    | 34,014              | 40,338              | 82,675              | 30,196                         | 54,819  | 66.3           |
| Chattanooga, Tenn.....            | 29,100           | 30,154    | 44,604              | 57,895              | 119,798             | 34,011                         | 81,212  | 67.8           |
| Chester, Pa.....                  | 20,226           | 33,988    | 38,537              | 58,030              | 59,164              | 25,627                         | 26,350  | 45.4           |
| Chicago, Ill.....                 | 1,008,650        | 1,008,676 | 2,185,283           | 2,701,709           | 3,976,438           | 642,671                        | 943,301 | 27.9           |
| Cicero, Ill.....                  | 10,204           | 16,310    | 14,557              | 44,985              | 66,602              | 6,470                          | 13,564  | 20.4           |
| Cincinnati, Ohio.....             | 296,098          | 325,902   | 363,591             | 401,247             | 451,190             | 206,065                        | 264,123 | 63.5           |
| Cleveland, Ohio.....              | 261,353          | 381,768   | 560,663             | 799,841             | 906,420             | 212,247                        | 242,832 | 27.0           |
| Cleveland Heights, Ohio.....      |                  |           | 2,956               | 15,233              | 60,945              | 9,053                          | 26,210  | 61.4           |
| Columbia, S. C.....               | 15,353           | 21,108    | 26,319              | 37,524              | 51,581              | 21,605                         | 30,417  | 59.0           |
| Columbus, Ohio.....               | 88,150           | 125,560   | 181,511             | 237,031             | 290,564             | 159,039                        | 201,778 | 60.4           |
| Covington, Ky.....                | 37,371           | 42,938    | 53,270              | 57,121              | 65,252              | 37,391                         | 40,267  | 75.5           |
| Dallas, Tex.....                  | 38,067           | 42,638    | 92,104              | 158,976             | 260,475             | 112,500                        | 192,580 | 73.9           |
| Davenport, Iowa.....              | 26,872           | 35,254    | 43,028              | 56,727              | 60,761              | 29,394                         | 36,214  | 59.6           |
| Dayton, Ohio.....                 | 61,220           | 85,333    | 116,677             | 152,559             | 200,982             | 100,996                        | 142,050 | 70.7           |
| Dearborn, Mich.....               |                  | 844       | 911                 | 2,470               | 50,358              | (*)                            | 20,351  | 40.4           |
| Decatur, Ill.....                 | 16,841           | 20,754    | 31,140              | 43,818              | 67,510              | 33,254                         | 45,939  | 70.9           |
| Denver, Colo.....                 | 108,713          | 133,859   | 213,381             | 256,401             | 287,861             | 144,678                        | 169,457 | 58.9           |
| Des Moines, Iowa.....             | 50,093           | 62,139    | 85,368              | 126,493             | 142,569             | 84,361                         | 100,236 | 70.3           |
| Detroit, Mich.....                | 208,870          | 285,704   | 405,769             | 693,378             | 1,568,662           | 313,997                        | 537,814 | 34.3           |
| Duluth, Minn.....                 | 33,115           | 52,989    | 78,409              | 98,917              | 101,463             | 23,031                         | 30,675  | 30.2           |
| Durham, N. C.....                 | 5,485            | 6,679     | 18,241              | 21,719              | 62,037              | 13,008                         | 32,352  | 62.2           |
| East Chicago, Ind.....            | 1,255            | 3,411     | 19,098              | 35,667              | 54,784              | 5,854                          | 11,521  | 21.0           |
| East Orange, N. J.....            |                  | 21,506    | 34,371              | 50,710              | 68,020              | 27,455                         | 33,647  | 49.6           |
| East St. Louis, Ill.....          | 15,169           | 29,055    | 53,547              | 60,767              | 74,347              | 38,854                         | 45,826  | 61.6           |
| Elizabeth, N. J.....              | 37,794           | 52,130    | 73,409              | 95,793              | 114,689             | 26,887                         | 33,005  | 29.3           |
| El Paso, Tex.....                 | 10,338           | 15,905    | 39,279              | 77,590              | 102,421             | 27,466                         | 32,810  | 32.0           |
| Erie, Pa.....                     | 40,694           | 52,733    | 60,526              | 63,372              | 115,907             | 41,179                         | 55,286  | 47.7           |
| Evansville, Ind.....              |                  | 29,269    | 24,978              | 37,234              | 63,338              | 16,723                         | 31,987  | 50.5           |
| Evansville, Ind.....              | 50,756           | 50,007    | 66,647              | 85,284              | 102,249             | 60,270                         | 80,329  | 78.6           |
| Fall River, Mass.....             | 74,398           | 104,863   | 119,295             | 120,435             | 115,274             | 19,168                         | 24,368  | 21.1           |
| Flint, Mich.....                  | 9,803            | 13,103    | 38,560              | 91,590              | 156,492             | 50,158                         | 91,657  | 58.5           |
| Fort Wayne, Ind.....              | 35,393           | 45,115    | 63,933              | 86,549              | 114,946             | 67,675                         | 80,190  | 75.0           |
| Fort Worth, Tex.....              | 23,073           | 26,688    | 73,312              | 106,482             | 163,447             | 75,515                         | 126,116 | 77.2           |
| Fresno, Calif.....                | 16,818           | 12,470    | 24,802              | 45,085              | 62,513              | 23,793                         | 25,914  | 49.3           |
| Galveston, Tex.....               | 29,084           | 37,789    | 36,981              | 44,255              | 62,938              | 17,289                         | 22,401  | 42.3           |
| Gary, Ind.....                    |                  |           | 16,802              | 55,373              | 100,426             | 16,519                         | 33,635  | 33.5           |

<sup>1</sup> Includes Indians, Chinese, Japanese, and other nonwhite. (See headnote.)

<sup>2</sup> Bethlehem borough includes West Bethlehem prior to 1920. Consolidated with South Bethlehem borough as Bethlehem city between 1910 and 1920. Combined population 1890, 19,823; 1900, 23,999; 1910, 32,810.

## HAVING IN 1930 OVER 50,000 INHABITANTS

part as white. See footnote 2, Table 14. Per cents show proportion which specified class forms of total due to annexation of territory as well as to direct growth

| Native white, foreign or mixed parentage |           |                | Foreign-born white |         |                | Negro and other races <sup>1</sup> |         |                | Sex, 1930 |           | City                    |
|------------------------------------------|-----------|----------------|--------------------|---------|----------------|------------------------------------|---------|----------------|-----------|-----------|-------------------------|
| Number                                   |           | Per cent, 1930 | Number             |         | Per cent, 1930 | Number                             |         | Per cent, 1930 | Male      | Female    |                         |
| 1920                                     | 1930      |                | 1920               | 1930    |                | 1920                               | 1930    |                |           |           |                         |
| 39,760                                   | 49,477    | 19.4           | 37,889             | 31,568  | 12.4           | 5,717                              | 11,296  | 4.4            | 130,629   | 125,011   | Akron.                  |
| 38,135                                   | 40,476    | 31.8           | 17,639             | 17,918  | 14.1           | 1,305                              | 2,452   | 1.9            | 61,947    | 65,465    | Albany.                 |
| 12,707                                   | 18,439    | 19.9           | 5,612              | 9,607   | 10.4           | 186                                | 370     | .4             | 45,437    | 47,126    | Allentown.              |
| 10,729                                   | 13,425    | 16.4           | 5,312              | 5,951   | 7.3            | 900                                | 718     | .9             | 40,351    | 41,703    | Altoona.                |
| 808                                      | 1,500     | 3.0            | 555                | 842     | 1.7            | 7,157                              | 14,260  | 28.4           | 23,124    | 27,969    | Ashville.               |
| 8,099                                    | 9,007     | 3.3            | 4,738              | 4,727   | 1.7            | 62,831                             | 90,119  | 33.3           | 120,493   | 143,873   | Atlanta.                |
| 10,580                                   | 10,147    | 24.4           | 7,009              | 9,903   | 15.0           | 11,021                             | 15,684  | 23.7           | 31,449    | 34,749    | Atlantic City.          |
| 2,078                                    | 1,953     | 3.2            | 927                | 794     | 1.2            | 22,600                             | 24,345  | 40.3           | 28,329    | 32,013    | Augusta.                |
| 4,476                                    | 4,926     | 9.3            | 2,547              | 1,617   | 3.0            | 6,948                              | 14,911  | 28.1           | 25,264    | 27,856    | Austin.                 |
| 162,839                                  | 160,342   | 19.9           | 83,911             | 74,410  | 9.2            | 108,696                            | 142,750 | 17.7           | 395,888   | 408,993   | Baltimore.              |
| 36,103                                   | 41,681    | 46.8           | 25,472             | 24,899  | 28.0           | 682                                | 2,314   | 2.0            | 47,119    | 41,860    | Bayonna.                |
| 3,553                                    | 4,084     | 7.1            | 1,918              | 1,523   | 2.6            | 13,233                             | 19,225  | 33.3           | 28,844    | 28,838    | Beaumont.               |
| 15,954                                   | 21,590    | 26.3           | 9,573              | 12,163  | 14.8           | 1,840                              | 4,501   | 5.6            | 38,623    | 43,483    | Berkley.                |
| 12,646                                   | 16,837    | 20.1           | 10,943             | 10,983  | 17.4           | 366                                | 601     | 1.0            | 29,088    | 29,404    | Bethlehem. <sup>2</sup> |
| 15,742                                   | 18,967    | 24.1           | 10,368             | 10,586  | 13.8           | 660                                | 760     | 1.0            | 37,203    | 39,456    | Binghamton.             |
| 10,255                                   | 13,191    | 5.1            | 6,084              | 5,867   | 2.3            | 70,256                             | 99,127  | 38.2           | 125,855   | 133,823   | Birmingham.             |
| 304,795                                  | 329,270   | 42.1           | 238,919            | 229,556 | 29.4           | 17,575                             | 22,432  | 2.9            | 383,454   | 397,734   | Boston. <sup>3</sup>    |
| 57,900                                   | 64,979    | 44.3           | 46,414             | 40,739  | 27.8           | 2,335                              | 3,391   | 2.3            | 73,061    | 73,655    | Bridgeport.             |
| 23,868                                   | 24,079    | 37.7           | 17,124             | 14,275  | 22.4           | 619                                | 534     | .8             | 30,941    | 32,856    | Brockton.               |
| 215,377                                  | 227,967   | 39.6           | 121,530            | 118,316 | 20.6           | 4,733                              | 14,207  | 2.5            | 234,450   | 288,610   | Buffalo.                |
| 43,101                                   | 44,610    | 30.3           | 32,104             | 32,330  | 23.4           | 5,444                              | 5,597   | 4.9            | 54,013    | 59,630    | Cambridge.              |
| 31,242                                   | 35,756    | 30.1           | 20,292             | 15,615  | 15.7           | 8,556                              | 11,417  | 9.6            | 59,442    | 50,288    | Camden.                 |
| 17,304                                   | 23,584    | 22.4           | 14,680             | 13,213  | 12.6           | 1,324                              | 3,069   | 2.9            | 53,301    | 51,605    | Canton.                 |
| 12,348                                   | 14,225    | 25.4           | 5,863              | 4,074   | 8.9            | 958                                | 873     | 1.6            | 27,139    | 28,953    | Cedar Rapids.           |
| 5,180                                    | 4,818     | 6.9            | 2,143              | 1,611   | 2.6            | 32,372                             | 28,088  | 45.1           | 28,382    | 33,883    | Charleston, S.C.        |
| 2,684                                    | 3,736     | 6.2            | 1,354              | 1,741   | 2.9            | 4,526                              | 6,764   | 11.2           | 29,681    | 30,727    | Charleston, W. Va.      |
| 983                                      | 1,778     | 2.2            | 514                | 893     | 1.1            | 14,045                             | 25,185  | 30.5           | 39,583    | 43,092    | Charlotte.              |
| 2,850                                    | 3,819     | 3.2            | 1,240              | 1,464   | 1.2            | 18,894                             | 33,303  | 27.8           | 57,932    | 61,866    | Chattanooga.            |
| 13,908                                   | 14,966    | 25.3           | 11,292             | 8,043   | 13.6           | 7,203                              | 9,204   | 15.7           | 30,424    | 28,740    | Chester.                |
| 1,140,818                                | 1,332,373 | 30.5           | 805,482            | 842,057 | 24.0           | 112,538                            | 258,707 | 7.7            | 710,663   | 1,065,775 | Chicago.                |
| 23,050                                   | 33,382    | 50.1           | 15,466             | 19,490  | 29.3           | 9                                  | 166     | .2             | 34,284    | 32,318    | Cicero.                 |
| 121,666                                  | 104,154   | 23.1           | 42,827             | 34,836  | 7.7            | 30,150                             | 48,048  | 10.6           | 218,995   | 232,165   | Cincinnati.             |
| 310,241                                  | 354,771   | 30.4           | 239,538            | 229,487 | 25.5           | 34,815                             | 73,339  | 8.1            | 456,856   | 443,673   | Cleveland.              |
| 4,101                                    | 16,529    | 32.4           | 1,896              | 7,616   | 14.9           | 186                                | 590     | 1.2            | 23,199    | 27,746    | Cleveland Heights.      |
| 918                                      | 1,101     | 2.1            | 544                | 524     | 1.0            | 14,457                             | 19,539  | 37.9           | 24,005    | 27,576    | Columbia.               |
| 30,597                                   | 40,538    | 14.0           | 16,055             | 15,279  | 5.3            | 22,310                             | 32,969  | 11.3           | 143,359   | 147,205   | Columbus.               |
| 13,801                                   | 10,573    | 16.2           | 2,883              | 1,900   | 2.9            | 3,046                              | 3,482   | 5.6            | 31,690    | 33,662    | Covington.              |
| 13,649                                   | 16,667    | 6.4            | 8,730              | 6,473   | 2.5            | 24,088                             | 44,755  | 17.2           | 125,071   | 134,404   | Dallas.                 |
| 18,991                                   | 17,800    | 20.4           | 7,644              | 5,621   | 9.3            | 698                                | 1,056   | 1.7            | 30,192    | 30,559    | Davenport.              |
| 29,388                                   | 29,758    | 14.8           | 13,111             | 12,014  | 6.0            | 9,064                              | 17,151  | 8.5            | 99,822    | 101,160   | Dayton.                 |
| (9)                                      | 16,222    | 32.2           | (9)                | 13,395  | 20.6           | (9)                                | 890     | .8             | 27,279    | 28,079    | Dearborn.               |
| 6,787                                    | 7,251     | 12.6           | 2,590              | 2,355   | 4.1            | 1,187                              | 1,065   | 3.4            | 28,004    | 29,506    | Decatur.                |
| 67,346                                   | 72,285    | 25.1           | 37,620             | 31,235  | 10.9           | 6,847                              | 14,884  | 5.2            | 139,872   | 147,989   | Denver.                 |
| 25,302                                   | 27,178    | 19.1           | 11,224             | 9,310   | 6.5            | 5,581                              | 5,836   | 4.1            | 68,481    | 74,078    | Des Moines.             |
| 848,771                                  | 503,016   | 32.1           | 289,297            | 390,281 | 25.5           | 41,613                             | 128,521 | 8.2            | 821,920   | 746,742   | Detroit.                |
| 44,265                                   | 45,305    | 44.7           | 30,118             | 24,929  | 24.6           | 603                                | 554     | .5             | 51,285    | 50,178    | Duluth.                 |
| 272                                      | 570       | 1.1            | 181                | 361     | .7             | 7,658                              | 18,724  | 36.0           | 24,629    | 27,408    | Durham.                 |
| 13,893                                   | 13,994    | 34.7           | 14,663             | 13,793  | 25.2           | 1,457                              | 10,476  | 19.1           | 30,618    | 24,166    | East Chicago.           |
| 14,075                                   | 19,404    | 28.5           | 6,730              | 10,036  | 14.8           | 2,400                              | 4,933   | 7.3            | 31,637    | 30,883    | East Orange.            |
| 13,668                                   | 12,286    | 16.5           | 6,782              | 4,657   | 6.3            | 7,463                              | 11,578  | 15.6           | 37,461    | 36,886    | East St. Louis.         |
| 39,668                                   | 46,971    | 41.0           | 28,215             | 29,156  | 25.4           | 2,013                              | 4,857   | 4.2            | 58,348    | 60,241    | Elizabeth.              |
| 14,995                                   | 6,311     | 6.2            | 33,353             | 2,844   | 2.8            | 1,756                              | 60,456  | 59.0           | 49,551    | 52,870    | El Paso.                |
| 34,047                                   | 42,159    | 36.4           | 17,370             | 17,241  | 14.9           | 776                                | 1,281   | 1.1            | 57,512    | 58,455    | Erie.                   |
| 11,182                                   | 16,728    | 26.4           | 6,771              | 9,623   | 15.2           | 2,558                              | 5,000   | 7.9            | 29,586    | 33,752    | Evansville.             |
| 15,437                                   | 13,303    | 13.0           | 3,145              | 2,082   | 2.0            | 6,412                              | 6,535   | 0.4            | 49,480    | 52,769    | Evansville.             |
| 58,615                                   | 58,321    | 60.6           | 42,331             | 32,078  | 27.8           | 371                                | 507     | .4             | 55,132    | 60,142    | Fall River.             |
| 24,521                                   | 37,532    | 24.0           | 15,127             | 20,934  | 13.4           | 1,765                              | 6,469   | 4.1            | 81,897    | 74,595    | Flint.                  |
| 20,764                                   | 20,580    | 17.9           | 6,634              | 5,729   | 5.0            | 1,476                              | 2,441   | 2.1            | 56,270    | 58,676    | Fort Wayne.             |
| 7,592                                    | 8,163     | 5.0            | 7,359              | 2,918   | 1.8            | 16,016                             | 26,250  | 16.1           | 80,015    | 83,432    | Fort Worth.             |
| 10,475                                   | 12,974    | 24.7           | 8,552              | 7,956   | 15.2           | 2,266                              | 5,669   | 10.8           | 26,382    | 26,131    | Fresno.                 |
| 10,137                                   | 9,954     | 18.8           | 6,892              | 4,705   | 8.9            | 9,937                              | 15,878  | 30.0           | 27,495    | 25,443    | Galveston.              |
| 17,065                                   | 20,012    | 25.9           | 16,460             | 19,345  | 19.3           | 5,334                              | 21,434  | 21.3           | 54,593    | 45,833    | Gary.                   |

<sup>3</sup> Hyde Park town annexed to Boston City between 1910 and 1920. Combined population, 1890, 458,670; 1900, 574,136; 1910, 686,092.

<sup>1</sup> Not distributed by nativity or race.

## No. 20.—POPULATION STATISTICS OF CITIES HAVING

| City                 | Total population |           |           |           |           | Native white, native parentage |           |                |
|----------------------|------------------|-----------|-----------|-----------|-----------|--------------------------------|-----------|----------------|
|                      | 1890             | 1900      | 1910      | 1920      | 1930      | Number                         |           | Per cent, 1930 |
|                      |                  |           |           |           |           | 1920                           | 1930      |                |
| Glendale, Calif.     |                  |           | 2,740     | 13,636    | 62,730    | 9,032                          | 43,217    | 68.9           |
| Grand Rapids, Mich.  | 60,278           | 87,565    | 112,571   | 137,634   | 168,592   | 56,079                         | 79,450    | 47.1           |
| Greensboro, N. C.    | 3,317            | 10,035    | 16,895    | 19,861    | 53,569    | 13,364                         | 38,086    | 71.1           |
| Hamilton, Ohio       | 17,555           | 23,914    | 35,279    | 39,675    | 52,176    | 27,201                         | 40,112    | 76.9           |
| Hammond, Ind.        | 6,423            | 12,376    | 20,925    | 36,004    | 64,560    | 14,953                         | 34,606    | 53.6           |
| Hamtramck, Mich.     |                  |           | 3,559     | 48,615    | 56,268    | 2,073                          | 4,185     | 7.4            |
| Harrisburg, Pa.      | 39,385           | 50,167    | 64,186    | 75,917    | 90,339    | 59,268                         | 62,204    | 77.4           |
| Hartford, Conn.      | 53,230           | 76,850    | 98,915    | 138,066   | 164,072   | 40,327                         | 45,682    | 27.8           |
| Highland Park, Mich. |                  | 427       | 4,120     | 46,499    | 62,959    | 19,605                         | 23,079    | 43.6           |
| Hoboken, N. J.       | 43,648           | 59,364    | 70,324    | 68,166    | 59,261    | 14,473                         | 13,372    | 22.6           |
| Holyoke, Mass.       | 35,637           | 45,712    | 57,730    | 60,203    | 56,537    | 10,994                         | 13,221    | 23.4           |
| Houston, Tex.        | 27,557           | 44,633    | 78,800    | 138,276   | 202,352   | 72,433                         | 173,692   | 59.4           |
| Huntington, W. Va.   | 10,108           | 11,923    | 31,161    | 50,177    | 75,572    | 44,720                         | 66,854    | 88.5           |
| Indianapolis, Ind.   | 105,436          | 169,164   | 233,650   | 314,194   | 364,161   | 219,297                        | 265,349   | 72.9           |
| Irrington, N. J.     |                  | 5,255     | 11,877    | 25,480    | 56,783    | 8,806                          | 21,101    | 37.2           |
| Jackson, Mich.       | 20,798           | 25,180    | 31,433    | 48,374    | 55,187    | 30,658                         | 36,202    | 65.6           |
| Jacksonville, Fla.   | 17,201           | 23,429    | 57,699    | 91,558    | 129,549   | 39,960                         | 68,915    | 53.2           |
| Jersey City, N. J.   | 163,003          | 205,433   | 267,779   | 298,103   | 316,715   | 87,083                         | 100,101   | 31.6           |
| Johnstown, Pa.       | 21,805           | 35,936    | 55,482    | 67,327    | 66,993    | 34,207                         | 34,687    | 51.8           |
| Kalamazoo, Mich.     | 17,853           | 24,404    | 39,437    | 48,487    | 54,786    | 27,873                         | 34,009    | 62.1           |
| Kansas City, Kans.   | 38,316           | 51,418    | 82,831    | 101,177   | 121,857   | 56,575                         | 72,256    | 59.3           |
| Kansas City, Mo.     | 132,716          | 163,752   | 248,381   | 324,410   | 399,746   | 209,134                        | 270,885   | 67.8           |
| Kenosha, Wis.        | 6,532            | 11,606    | 21,371    | 40,472    | 50,262    | 11,409                         | 17,232    | 34.3           |
| Knoxville, Tenn.     | 22,535           | 32,637    | 36,346    | 77,818    | 105,802   | 63,558                         | 85,432    | 80.7           |
| Lakewood, Ohio       |                  | 3,355     | 16,181    | 41,732    | 70,509    | 20,557                         | 38,279    | 54.3           |
| Lancaster, Pa.       | 32,011           | 41,459    | 47,227    | 53,150    | 59,949    | 42,126                         | 48,468    | 80.8           |
| Lansing, Mich.       | 13,102           | 16,485    | 31,229    | 57,327    | 78,397    | 38,373                         | 54,461    | 69.5           |
| Lawrence, Mass.      | 44,554           | 62,559    | 85,892    | 94,270    | 85,068    | 12,325                         | 14,039    | 16.5           |
| Lincoln, Nebr.       | 55,154           | 40,169    | 43,973    | 54,948    | 75,933    | 33,381                         | 50,501    | 66.6           |
| Little Rock, Ark.    | 25,874           | 38,307    | 46,941    | 65,142    | 81,679    | 40,851                         | 55,838    | 68.4           |
| Long Beach, Calif.   | 564              | 2,252     | 17,809    | 55,593    | 142,032   | 37,888                         | 99,992    | 70.4           |
| Los Angeles, Calif.  | 50,395           | 102,479   | 319,198   | 576,673   | 1,238,048 | 294,458                        | 618,028   | 49.9           |
| Louisville, Ky.      | 161,129          | 204,731   | 223,223   | 307,745   | 397,745   | 139,403                        | 212,121   | 68.9           |
| Lowell, Mass.        | 77,696           | 94,969    | 106,294   | 112,759   | 100,234   | 24,676                         | 26,299    | 26.9           |
| Lynn, Mass.          | 65,727           | 98,513    | 89,336    | 99,148    | 102,320   | 33,988                         | 34,370    | 33.6           |
| Macon, Ga.           | 22,746           | 28,272    | 40,665    | 52,996    | 53,829    | 27,923                         | 29,199    | 54.2           |
| Madison, Wis.        | 13,429           | 19,164    | 25,531    | 38,378    | 57,899    | 19,145                         | 35,085    | 60.6           |
| Madison, Mass.       | 23,031           | 33,664    | 44,404    | 40,103    | 65,036    | 15,087                         | 17,823    | 30.7           |
| Manchester, N. H.    | 44,126           | 56,987    | 70,063    | 78,384    | 76,834    | 18,851                         | 21,377    | 27.8           |
| McKeesport, Pa.      | 20,741           | 34,227    | 42,694    | 46,781    | 54,632    | 16,284                         | 20,368    | 37.3           |
| Medford, Mass.       | 11,079           | 18,244    | 23,150    | 39,033    | 59,714    | 15,463                         | 21,319    | 35.7           |
| Memphis, Tenn.       | 64,495           | 102,320   | 131,105   | 162,351   | 253,143   | 82,795                         | 137,074   | 54.1           |
| Miami, Fla.          |                  | 1,681     | 5,471     | 29,571    | 110,637   | 14,348                         | 64,072    | 57.9           |
| Milwaukee, Wis.      | 204,468          | 285,315   | 373,857   | 457,147   | 578,249   | 130,845                        | 217,720   | 37.7           |
| Minneapolis, Minn.   | 164,738          | 202,718   | 301,408   | 380,582   | 464,356   | 133,178                        | 194,704   | 41.9           |
| Mobile, Ala.         | 31,076           | 38,469    | 51,521    | 60,777    | 68,202    | 29,060                         | 36,328    | 53.3           |
| Montgomery, Ala.     | 21,883           | 30,346    | 38,136    | 43,464    | 60,079    | 21,145                         | 33,734    | 51.1           |
| Mount Vernon, N. Y.  | 10,830           | 21,228    | 30,919    | 42,726    | 61,499    | 15,010                         | 20,366    | 33.1           |
| Nashville, Tenn.     | 76,168           | 80,865    | 110,364   | 118,342   | 153,866   | 74,022                         | 103,757   | 67.4           |
| Newark, N. J.        | 181,830          | 246,070   | 347,469   | 414,524   | 442,337   | 113,413                        | 168,574   | 24.5           |
| New Bedford, Mass.   | 40,733           | 62,442    | 96,652    | 121,217   | 112,697   | 20,098                         | 22,164    | 19.7           |
| New Britain, Conn.   | 16,519           | 25,998    | 43,616    | 69,316    | 68,128    | 11,161                         | 13,600    | 20.0           |
| New Haven, Conn.     | 81,298           | 108,027   | 133,605   | 162,537   | 162,655   | 44,401                         | 44,770    | 27.5           |
| New Orleans, La.     | 242,039          | 287,104   | 339,076   | 387,219   | 458,762   | 190,641                        | 242,282   | 52.8           |
| New Rochelle, N. Y.  | 9,057            | 14,720    | 28,867    | 36,213    | 54,000    | 11,730                         | 18,292    | 33.9           |
| Newton, Mass.        | 24,379           | 33,587    | 39,806    | 46,054    | 55,276    | 20,148                         | 29,631    | 45.4           |
| New York, N. Y.      | 2,507,414        | 3,437,202 | 4,768,883 | 5,620,048 | 6,930,446 | 1,164,834                      | 1,505,200 | 21.7           |
| Niagara Falls, N. Y. |                  | 19,467    | 30,445    | 50,760    | 75,460    | 13,477                         | 20,596    | 27.8           |
| Norfolk, Va.         | 34,871           | 46,624    | 67,452    | 115,777   | 123,710   | 57,759                         | 72,687    | 56.0           |
| Oakland, Calif.      | 48,682           | 66,960    | 150,174   | 216,261   | 284,063   | 90,279                         | 131,765   | 46.4           |
| Oak Park, Ill.       |                  |           | 19,444    | 39,858    | 63,982    | 20,206                         | 34,034    | 53.2           |
| Oklahoma City, Okla. | 4,151            | 10,037    | 64,205    | 91,295    | 185,389   | 71,446                         | 154,179   | 83.2           |
| Omaha, Nebr.         | 140,462          | 102,555   | 124,096   | 191,601   | 214,006   | 86,525                         | 108,433   | 50.7           |
| Pasadena, Calif.     | 4,882            | 9,117     | 30,291    | 45,354    | 76,086    | 27,966                         | 44,797    | 58.9           |
| Pascale, N. J.       | 13,628           | 27,777    | 54,773    | 68,841    | 82,956    | 8,816                          | 9,888     | 15.7           |

<sup>1</sup> Includes Indians, Chinese, Japanese, and other nonwhites.

<sup>2</sup> Population shown is for New York City as now constituted.

IN 1930 OVER 50,000 INHABITANTS—Continued

| Native white, foreign or mixed parentage |           |                | Foreign-born white |           |                | Negro and other races <sup>1</sup> |         |                | Sex, 1930 |           | City                   |
|------------------------------------------|-----------|----------------|--------------------|-----------|----------------|------------------------------------|---------|----------------|-----------|-----------|------------------------|
| Number                                   |           | Per cent, 1930 | Number             |           | Per cent, 1930 | Number                             |         | Per cent, 1930 | Male      | Female    |                        |
| 1920                                     | 1930      |                | 1920               | 1930      |                | 1920                               | 1930    |                |           |           |                        |
| 2,738                                    | 12,660    | 20.2           | 1,561              | 5,762     | 9.2            | 205                                | 1,097   | 1.7            | 29,785    | 32,951    | Glendale.              |
| 52,038                                   | 58,865    | 34.9           | 28,355             | 27,240    | 16.2           | 1,162                              | 3,037   | 1.8            | 82,340    | 86,252    | Grand Rapids.          |
| 354                                      | 967       | 1.8            | 188                | 472       | .9             | 5,975                              | 14,054  | 26.2           | 25,566    | 28,003    | Greensboro.            |
| 8,478                                    | 7,909     | 15.2           | 2,663              | 2,183     | 4.2            | 1,338                              | 1,972   | 3.8            | 26,110    | 26,066    | Hamilton.              |
| 12,765                                   | 19,552    | 30.3           | 3,118              | 9,687     | 15.0           | 1,388                              | 715     | 1.1            | 33,639    | 30,921    | Hammond.               |
| 21,458                                   | 27,901    | 49.6           | 23,062             | 20,025    | 35.6           | 2,022                              | 4,157   | 7.4            | 30,096    | 26,172    | Hamtramck.             |
| 7,242                                    | 8,014     | 10.0           | 4,144              | 3,704     | 4.6            | 5,263                              | 6,417   | 8.0            | 38,833    | 41,506    | Harrisburg.            |
| 52,687                                   | 97,357    | 41.1           | 40,667             | 44,528    | 27.1           | 4,355                              | 6,605   | 4.0            | 80,015    | 84,067    | Hartford.              |
| 13,789                                   | 14,239    | 25.9           | 12,661             | 14,362    | 27.1           | 444                                | 1,279   | 2.4            | 27,367    | 25,592    | Highland Park.         |
| 29,945                                   | 24,221    | 40.9           | 23,496             | 21,160    | 35.7           | 252                                | 508     | .9             | 32,634    | 26,627    | Hoboken.               |
| 28,732                                   | 26,939    | 47.6           | 20,255             | 16,232    | 28.7           | 172                                | 145     | .3             | 26,918    | 29,619    | Holyoke.               |
| 10,823                                   | 29,702    | 10.2           | 12,012             | 11,293    | 3.9            | 34,008                             | 77,665  | 26.6           | 145,962   | 146,390   | Houston.               |
| 1,894                                    | 2,974     | 3.0            | 732                | 1,097     | 1.5            | 2,891                              | 4,647   | 6.1            | 37,081    | 38,491    | Huntington.            |
| 43,156                                   | 40,975    | 11.3           | 16,958             | 13,740    | 3.8            | 34,738                             | 44,097  | 12.1           | 176,647   | 187,514   | Indianapolis.          |
| 10,058                                   | 22,258    | 39.2           | 6,508              | 13,239    | 23.8           | 108                                | 135     | .2             | 28,174    | 28,559    | Irvine.                |
| 11,556                                   | 12,070    | 21.9           | 5,316              | 5,071     | 9.2            | 844                                | 1,844   | 3.3            | 28,072    | 27,115    | Jackson.               |
| 6,118                                    | 8,052     | 6.2            | 3,894              | 4,353     | 3.4            | 41,686                             | 48,229  | 37.2           | 62,018    | 67,531    | Jacksonville.          |
| 126,945                                  | 133,473   | 42.1           | 76,981             | 70,313    | 22.2           | 8,094                              | 12,828  | 4.1            | 169,316   | 157,400   | Jersey City.           |
| 19,307                                   | 21,060    | 31.4           | 12,142             | 9,478     | 14.1           | 1,671                              | 1,768   | 2.6            | 33,579    | 33,414    | Johnstown.             |
| 12,627                                   | 13,300    | 24.3           | 7,207              | 8,440     | 11.8           | 780                                | 1,037   | 1.9            | 26,931    | 27,855    | Kalamazoo.             |
| 18,472                                   | 19,312    | 15.8           | 11,666             | 7,593     | 6.2            | 14,474                             | 22,696  | 18.6           | 60,867    | 60,990    | Kansas City.           |
| 57,063                                   | 62,578    | 15.7           | 27,320             | 24,278    | 6.1            | 30,893                             | 42,005  | 10.5           | 194,542   | 205,204   | Kans. Kansas City.     |
| 16,235                                   | 20,520    | 40.8           | 12,714             | 12,257    | 24.4           | 114                                | 253     | .5             | 25,743    | 24,519    | Kenosha.               |
| 2,141                                    | 2,449     | 2.3            | 812                | 824       | .8             | 11,307                             | 17,097  | 16.2           | 50,793    | 54,329    | Knoxville.             |
| 13,809                                   | 22,424    | 31.8           | 7,255              | 9,647     | 13.7           | 111                                | 159     | .2             | 33,475    | 37,034    | Lakewood.              |
| 7,387                                    | 7,405     | 12.4           | 2,714              | 2,778     | 4.6            | 923                                | 1,298   | 2.2            | 28,618    | 31,331    | Lancaster.             |
| 12,244                                   | 15,848    | 20.2           | 5,985              | 6,630     | 8.5            | 725                                | 1,458   | 1.9            | 39,785    | 38,612    | Lansing.               |
| 42,604                                   | 42,172    | 49.6           | 39,063             | 28,633    | 33.7           | 278                                | 224     | .3             | 41,502    | 43,566    | Lawrence.              |
| 13,437                                   | 17,608    | 23.2           | 7,198              | 6,525     | 8.6            | 932                                | 1,299   | 1.7            | 36,048    | 39,885    | Lincoln.               |
| 5,008                                    | 4,743     | 5.8            | 1,798              | 1,373     | 1.7            | 17,485                             | 19,725  | 24.1           | 38,609    | 43,070    | Little Rock.           |
| 10,363                                   | 25,029    | 18.3           | 6,799              | 13,255    | 9.3            | 563                                | 2,856   | 2.0            | 68,256    | 73,776    | Long Beach.            |
| 140,349                                  | 273,708   | 22.1           | 112,057            | 181,848   | 14.7           | 20,809                             | 164,464 | 13.3           | 610,678   | 627,370   | Los Angeles.           |
| 43,746                                   | 39,242    | 12.8           | 11,621             | 8,983     | 2.9            | 40,122                             | 47,398  | 15.4           | 148,084   | 159,661   | Louisville.            |
| 49,793                                   | 46,994    | 46.9           | 38,040             | 26,129    | 26.1           | 250                                | 182     | .2             | 47,388    | 52,848    | Lowell.                |
| 36,861                                   | 39,954    | 39.0           | 27,858             | 27,091    | 26.5           | 941                                | 905     | .9             | 49,891    | 52,429    | Lynn.                  |
| 1,277                                    | 1,010     | 1.9            | 698                | 455       | .8             | 23,097                             | 23,165  | 43.0           | 24,767    | 29,062    | Macon.                 |
| 14,068                                   | 17,127    | 29.6           | 4,852              | 5,274     | 9.1            | 313                                | 413     | .7             | 27,596    | 30,863    | Madison.               |
| 19,365                                   | 23,595    | 40.7           | 14,105             | 15,964    | 27.5           | 546                                | 654     | 1.1            | 27,728    | 30,308    | Malden.                |
| 31,989                                   | 33,462    | 43.6           | 27,616             | 21,944    | 28.6           | 78                                 | 51      | .1             | 36,818    | 40,016    | Manchester.            |
| 17,678                                   | 21,032    | 38.5           | 11,870             | 11,122    | 20.4           | 949                                | 2,110   | 3.9            | 27,994    | 26,638    | McKeesport.            |
| 14,470                                   | 24,109    | 40.4           | 8,554              | 13,672    | 22.9           | 551                                | 614     | 1.0            | 28,872    | 30,842    | Medford.               |
| 12,543                                   | 14,192    | 5.6            | 6,775              | 5,262     | 2.1            | 61,238                             | 96,615  | 38.2           | 120,581   | 132,562   | Memphis.               |
| 3,358                                    | 13,171    | 11.9           | 2,563              | 8,218     | 7.4            | 9,302                              | 25,176  | 22.8           | 54,620    | 56,008    | Miami.                 |
| 213,911                                  | 241,695   | 41.8           | 110,068            | 109,383   | 18.9           | 2,323                              | 9,442   | 1.6            | 290,648   | 287,601   | Milwaukee.             |
| 155,155                                  | 183,941   | 39.6           | 88,032             | 80,834    | 17.4           | 4,217                              | 4,877   | 1.1            | 225,547   | 238,809   | Minneapolis.           |
| 5,788                                    | 5,288     | 7.8            | 2,006              | 1,992     | 2.9            | 23,923                             | 24,596  | 36.1           | 32,606    | 35,636    | Mobile.                |
| 1,725                                    | 1,740     | 2.6            | 761                | 631       | 1.0            | 19,833                             | 29,974  | 45.4           | 30,635    | 35,444    | Montgomery.            |
| 16,268                                   | 23,163    | 37.7           | 10,090             | 14,279    | 23.2           | 1,368                              | 3,671   | 6.0            | 29,834    | 31,866    | Mount Vernon.          |
| 6,294                                    | 5,480     | 3.6            | 2,887              | 1,788     | 1.2            | 35,639                             | 42,841  | 27.8           | 71,945    | 81,921    | Nashville.             |
| 166,807                                  | 178,818   | 40.4           | 117,003            | 115,204   | 26.0           | 17,301                             | 39,741  | 9.0            | 223,763   | 218,674   | Newark.                |
| 47,355                                   | 49,371    | 43.8           | 48,689             | 37,333    | 33.2           | 5,075                              | 3,729   | 3.3            | 54,137    | 58,460    | New Bedford.           |
| 26,002                                   | 33,418    | 49.1           | 21,230             | 20,746    | 30.5           | 323                                | 364     | .5             | 34,294    | 33,834    | New Britain.           |
| 67,729                                   | 72,393    | 44.5           | 45,686             | 40,091    | 24.6           | 4,721                              | 5,401   | 3.3            | 79,549    | 83,106    | New Haven.             |
| 99,283                                   | 65,766    | 14.3           | 25,992             | 19,681    | 4.1            | 101,303                            | 131,033 | 23.6           | 219,250   | 239,612   | New Orleans.           |
| 13,349                                   | 18,416    | 34.1           | 8,457              | 12,556    | 23.3           | 2,677                              | 4,736   | 3.8            | 26,762    | 27,238    | New Rochelle.          |
| 15,148                                   | 21,418    | 32.8           | 10,179             | 13,557    | 20.8           | 579                                | 670     | 1.0            | 29,372    | 35,904    | Newton.                |
| 2,303,082                                | 2,788,025 | 40.2           | 1,991,547          | 2,293,400 | 33.1           | 180,585                            | 343,221 | 5.0            | 3,472,956 | 3,457,490 | New York. <sup>a</sup> |
| 18,874                                   | 29,385    | 38.9           | 17,886             | 24,467    | 32.4           | 623                                | 1,012   | 1.3            | 38,778    | 36,682    | Niagara Falls.         |
| 7,880                                    | 8,488     | 6.5            | 6,587              | 4,339     | 3.3            | 43,551                             | 44,196  | 34.1           | 65,049    | 64,661    | Norfolk.               |
| 68,563                                   | 86,230    | 30.4           | 45,162             | 49,488    | 17.4           | 12,257                             | 16,590  | 5.8            | 142,434   | 141,629   | Oakland.               |
| 13,829                                   | 21,353    | 33.4           | 5,634              | 8,411     | 13.1           | 189                                | 184     | .3             | 30,058    | 33,924    | Oak Park.              |
| 7,948                                    | 11,711    | 6.3            | 3,477              | 3,143     | 1.7            | 8,424                              | 16,356  | 8.8            | 93,751    | 91,638    | Oklahoma City.         |
| 59,140                                   | 64,436    | 30.1           | 35,381             | 28,788    | 13.5           | 10,555                             | 12,349  | 5.8            | 105,896   | 108,110   | Omaha. <sup>a</sup>    |
| 9,011                                    | 14,472    | 19.0           | 6,785              | 9,874     | 13.0           | 1,592                              | 6,943   | 9.1            | 33,740    | 42,946    | Pasadena.              |
| 28,042                                   | 29,856    | 47.4           | 26,365             | 21,338    | 33.9           | 618                                | 1,877   | 3.0            | 31,324    | 31,635    | Passaic.               |

<sup>a</sup> Omaha and South Omaha cities consolidated between 1910 and 1920. Combined population, 1890, 148,514; 1900, 128,565; 1910, 150,855.

## No. 20.—POPULATION STATISTICS OF CITIES HAVING

| City                  | Total population |           |           |           |           | Native white, native parentage |         |                |
|-----------------------|------------------|-----------|-----------|-----------|-----------|--------------------------------|---------|----------------|
|                       | 1890             | 1900      | 1910      | 1920      | 1930      | Number                         |         | Per cent, 1930 |
|                       |                  |           |           |           |           | 1920                           | 1930    |                |
| Paterson, N. J.       | 78,847           | 105,171   | 125,600   | 135,875   | 138,513   | 31,824                         | 33,838  | 24.4           |
| Pawtucket, R. I.      | 27,533           | 39,231    | 51,622    | 64,248    | 77,149    | 14,780                         | 20,394  | 26.4           |
| Peoria, Ill.          | 41,024           | 50,100    | 60,960    | 79,121    | 104,909   | 46,213                         | 73,758  | 70.3           |
| Philadelphia, Pa.     | 1,046,964        | 1,293,697 | 1,549,008 | 1,823,779 | 1,950,961 | 698,782                        | 740,598 | 38.0           |
| Pittsburgh, Pa.       | 1,343,904        | 1,451,612 | 1,533,905 | 1,588,343 | 1,609,817 | 216,530                        | 272,182 | 40.6           |
| Pontiac, Mich.        | 6,200            | 9,769     | 14,532    | 34,273    | 64,928    | 20,031                         | 38,178  | 58.8           |
| Port Arthur, Tex.     |                  | 900       | 7,603     | 22,251    | 50,902    | 14,762                         | 34,121  | 67.0           |
| Portland, Me.         | 36,425           | 50,145    | 58,571    | 60,272    | 70,810    | 35,969                         | 38,318  | 54.1           |
| Portland, Oreg.       | 40,385           | 90,426    | 207,214   | 258,238   | 301,815   | 136,216                        | 166,874 | 55.3           |
| Providence, R. I.     | 132,146          | 175,597   | 224,326   | 237,595   | 252,981   | 63,728                         | 70,772  | 28.0           |
| Pueblo, Colo.         | 24,558           | 28,157    | 41,747    | 43,050    | 50,096    | 23,596                         | 30,031  | 59.9           |
| Quincy, Mass.         | 16,723           | 23,899    | 32,642    | 47,876    | 71,983    | 14,845                         | 25,889  | 36.0           |
| Racine, Wis.          | 21,014           | 29,102    | 38,002    | 58,593    | 67,542    | 17,211                         | 25,049  | 37.1           |
| Reading, Pa.          | 58,661           | 78,961    | 90,071    | 107,784   | 111,171   | 81,000                         | 79,807  | 71.8           |
| Richmond, Va.         | 81,388           | 85,050    | 127,628   | 171,667   | 182,929   | 102,955                        | 115,536 | 63.2           |
| Roanoke, Va.          | 16,169           | 21,495    | 34,874    | 50,842    | 69,299    | 30,000                         | 54,153  | 78.2           |
| Rochester, N. Y.      | 133,890          | 162,008   | 218,149   | 295,750   | 328,132   | 111,976                        | 127,435 | 38.8           |
| Rockford, Ill.        | 23,584           | 31,051    | 45,401    | 65,651    | 85,864    | 24,141                         | 36,568  | 42.6           |
| Sacramento, Calif.    | 26,386           | 29,282    | 44,696    | 65,908    | 93,750    | 32,696                         | 47,436  | 50.6           |
| Saginaw, Mich.        | 46,322           | 42,345    | 50,510    | 61,908    | 80,715    | 25,805                         | 36,841  | 45.6           |
| St. Joseph, Mo.       | 52,324           | 102,979   | 77,403    | 77,939    | 80,935    | 53,531                         | 60,694  | 75.0           |
| St. Louis, Mo.        | 451,770          | 575,238   | 687,029   | 772,897   | 821,900   | 359,482                        | 438,592 | 53.4           |
| St. Paul, Minn.       | 133,156          | 193,065   | 214,744   | 234,638   | 271,606   | 77,378                         | 111,617 | 41.1           |
| Salt Lake City, Utah  | 44,843           | 58,531    | 92,777    | 118,110   | 140,267   | 56,234                         | 78,951  | 56.3           |
| San Antonio, Tex.     | 37,673           | 53,321    | 96,614    | 161,379   | 231,542   | 70,299                         | 90,602  | 40.3           |
| San Diego, Calif.     | 16,159           | 17,700    | 39,578    | 74,361    | 147,995   | 41,333                         | 86,933  | 58.8           |
| San Francisco, Calif. | 298,997          | 342,782   | 416,012   | 500,676   | 634,394   | 167,170                        | 235,298 | 37.1           |
| San Jose, Calif.      | 18,050           | 21,500    | 28,046    | 30,642    | 57,651    | 18,011                         | 27,497  | 47.7           |
| Savannah, Ga.         | 43,189           | 54,244    | 65,064    | 83,252    | 85,024    | 34,420                         | 37,840  | 44.5           |
| Schenectady, N. Y.    | 19,902           | 31,682    | 72,826    | 88,723    | 95,692    | 35,897                         | 40,845  | 42.7           |
| Scranton, Pa.         | 75,215           | 102,026   | 129,867   | 137,783   | 143,433   | 48,715                         | 55,352  | 38.6           |
| Seattle, Wash.        | 42,837           | 80,671    | 237,194   | 315,312   | 365,832   | 139,701                        | 174,322 | 47.1           |
| Shreveport, La.       | 11,979           | 16,013    | 28,015    | 43,874    | 70,655    | 22,747                         | 43,901  | 57.3           |
| Sioux City, Iowa      | 37,896           | 38,111    | 47,828    | 71,227    | 79,183    | 38,751                         | 47,745  | 60.3           |
| Somerville, Mass.     | 40,132           | 61,643    | 77,236    | 93,091    | 103,993   | 32,289                         | 31,351  | 30.2           |
| South Bend, Ind.      | 21,819           | 35,999    | 53,684    | 70,983    | 104,193   | 33,915                         | 57,618  | 55.3           |
| Spokane, Wash.        | 19,922           | 36,848    | 104,402   | 104,437   | 115,514   | 57,324                         | 67,434  | 58.4           |
| Springfield, Ill.     | 24,963           | 34,159    | 51,678    | 59,183    | 71,864    | 35,255                         | 40,294  | 64.4           |
| Springfield, Mass.    | 44,179           | 62,059    | 88,926    | 129,614   | 149,900   | 48,945                         | 58,056  | 38.7           |
| Springfield, Mo.      | 21,860           | 23,267    | 35,201    | 39,631    | 57,527    | 33,852                         | 51,522  | 89.6           |
| Springfield, Ohio     | 31,895           | 38,253    | 46,921    | 60,840    | 68,743    | 43,037                         | 50,973  | 74.2           |
| Syracuse, N. Y.       | 88,143           | 108,374   | 137,249   | 171,717   | 209,326   | 80,072                         | 101,920 | 48.7           |
| Tacoma, Wash.         | 36,006           | 37,714    | 83,743    | 96,965    | 106,817   | 44,657                         | 52,217  | 48.9           |
| Tampa, Fla.           | 5,532            | 15,839    | 37,782    | 51,608    | 101,161   | 17,542                         | 43,096  | 42.6           |
| Terre Haute, Ind.     | 30,217           | 36,673    | 58,157    | 66,068    | 62,810    | 48,976                         | 48,337  | 77.0           |
| Toledo, Ohio          | 81,434           | 131,822   | 108,497   | 243,104   | 290,718   | 124,055                        | 165,182 | 56.8           |
| Topeka, Kans.         | 31,007           | 33,608    | 43,684    | 60,022    | 64,120    | 33,594                         | 45,759  | 71.4           |
| Trenton, N. J.        | 57,458           | 73,307    | 96,815    | 119,239   | 123,356   | 44,195                         | 42,307  | 34.4           |
| Troy, N. Y.           | 60,956           | 60,651    | 76,813    | 71,996    | 72,783    | 33,080                         | 37,428  | 51.4           |
| Tulsa, Okla.          |                  | 1,390     | 18,182    | 72,075    | 141,258   | 55,660                         | 111,931 | 79.2           |
| Union City, N. J.     | 10,543           | 15,187    | 21,023    | 20,651    | 68,659    | 5,807                          | 15,093  | 25.7           |
| Utica, N. Y.          | 44,007           | 56,383    | 74,419    | 94,156    | 101,740   | 33,751                         | 38,293  | 37.6           |
| Waco, Tex.            | 14,445           | 20,680    | 26,425    | 38,500    | 52,848    | 25,897                         | 37,409  | 70.8           |
| Washington, D. C.     | 230,392          | 278,718   | 331,069   | 437,571   | 486,869   | 239,488                        | 262,427 | 53.9           |
| Waterbury, Conn.      | 28,646           | 45,859    | 73,141    | 91,715    | 99,902    | 22,122                         | 26,066  | 26.1           |
| Wheeling, W. Va.      | 34,522           | 38,873    | 41,641    | 56,208    | 61,659    | 34,059                         | 38,938  | 63.2           |
| Wichita, Kans.        | 23,853           | 24,671    | 52,450    | 72,217    | 111,110   | 58,052                         | 91,599  | 82.4           |
| Wilkes-Barre, Pa.     | 37,718           | 51,721    | 67,105    | 73,833    | 86,629    | 28,709                         | 34,538  | 39.6           |
| Wilmington, Del.      | 61,431           | 76,608    | 87,411    | 110,168   | 106,597   | 56,868                         | 56,838  | 63.3           |
| Winston-Salem, N. C.  | 10,729           | 13,650    | 22,700    | 48,865    | 75,274    | 26,911                         | 41,499  | 55.1           |
| Worcester, Mass.      | 84,655           | 118,421   | 145,939   | 179,764   | 195,311   | 50,716                         | 58,699  | 30.1           |
| Yonkers, N. Y.        | 32,033           | 47,031    | 79,803    | 100,176   | 134,646   | 30,059                         | 41,788  | 31.0           |
| York, Pa.             | 20,798           | 33,706    | 44,750    | 47,512    | 55,254    | 41,552                         | 48,263  | 87.9           |
| Youngstown, Ohio      | 33,220           | 44,885    | 79,066    | 132,358   | 170,002   | 46,459                         | 62,605  | 36.8           |

<sup>1</sup> Includes Indians, Chinese, Japanese, and other nonwhite.

<sup>2</sup> Includes population of Allegheny, 1890, 105,287; 1900, 129,866.

Source: Bureau of the Census, Department of Commerce.

## IN 1930 OVER 50,000 INHABITANTS—Continued

| Native white, foreign or mixed parentage |         |                | Foreign-born white |         |                | Negro and other races <sup>1</sup> |         |                | Sex, 1930 |         | City                      |
|------------------------------------------|---------|----------------|--------------------|---------|----------------|------------------------------------|---------|----------------|-----------|---------|---------------------------|
| Number                                   |         | Per cent, 1930 | Number             |         | Per cent, 1930 | Number                             |         | Per cent, 1930 | Male      | Female  |                           |
| 1920                                     | 1930    |                | 1920               | 1930    |                | 1920                               | 1930    |                |           |         |                           |
| 57,285                                   | 58,977  | 42.6           | 45,145             | 42,609  | 30.8           | 1,621                              | 3,089   | 2.2            | 69,178    | 69,335  | Paterson.                 |
| 28,084                                   | 34,226  | 44.4           | 21,024             | 22,218  | 28.8           | 360                                | 311     | .4             | 37,314    | 39,835  | Pawtucket.                |
| 19,964                                   | 21,241  | 20.2           | 7,790              | 6,736   | 6.4            | 2,154                              | 3,234   | 3.1            | 52,512    | 52,467  | Peoria.                   |
| 591,471                                  | 619,235 | 31.7           | 397,927            | 368,624 | 18.9           | 135,599                            | 222,504 | 11.4           | 968,281   | 982,680 | Philadelphia.             |
| 213,465                                  | 233,063 | 34.8           | 120,206            | 109,072 | 16.3           | 38,082                             | 55,500  | 8.3            | 332,576   | 337,241 | Pittsburgh.               |
| 8,429                                    | 14,189  | 21.9           | 5,185              | 9,162   | 14.1           | 623                                | 3,399   | 5.2            | 34,957    | 29,941  | Pontiac.                  |
| 2,153                                    | 3,284   | 6.5            | 1,413              | 1,570   | 3.1            | 3,923                              | 11,927  | 23.4           | 26,766    | 24,130  | Port Arthur.              |
| 19,692                                   | 20,502  | 29.0           | 13,229             | 11,671  | 16.5           | 382                                | 319     | .5             | 33,831    | 36,979  | Portland, Me.             |
| 69,631                                   | 80,967  | 26.8           | 47,114             | 48,336  | 16.0           | 5,327                              | 5,638   | 1.9            | 160,494   | 161,321 | Portland, Oreg.           |
| 99,077                                   | 111,894 | 44.2           | 68,951             | 64,605  | 25.5           | 5,839                              | 5,710   | 2.3            | 121,227   | 131,754 | Providence.               |
| 19,546                                   | 10,373  | 20.7           | 7,393              | 4,722   | 9.4            | 1,516                              | 4,965   | 9.9            | 25,304    | 24,792  | Pueblo.                   |
| 19,214                                   | 28,371  | 36.4           | 13,749             | 17,652  | 24.5           | 68                                 | 71      | .1             | 35,439    | 36,544  | Quincy.                   |
| 24,858                                   | 27,002  | 40.9           | 16,199             | 14,283  | 21.2           | 325                                | 603     | .9             | 34,444    | 33,008  | Racine.                   |
| 16,298                                   | 10,813  | 17.8           | 9,553              | 9,563   | 8.6            | 933                                | 1,988   | 1.8            | 54,555    | 56,416  | Reading.                  |
| 9,981                                    | 10,289  | 5.6            | 4,637              | 5,049   | 2.2            | 54,093                             | 53,058  | 29.0           | 85,715    | 97,214  | Richmond.                 |
| 1,630                                    | 1,850   | 2.7            | 860                | 831     | 1.2            | 9,343                              | 12,372  | 17.9           | 33,271    | 35,935  | Rosnoke.                  |
| 110,792                                  | 123,193 | 37.5           | 71,321             | 74,996  | 22.8           | 1,661                              | 2,838   | .9             | 160,261   | 187,871 | Rochester.                |
| 23,641                                   | 29,862  | 34.8           | 17,343             | 18,164  | 21.2           | 526                                | 1,280   | 1.6            | 43,429    | 42,435  | Rockford.                 |
| 18,038                                   | 24,214  | 25.8           | 10,873             | 12,612  | 13.6           | 3,701                              | 9,488   | 10.1           | 49,790    | 43,960  | Sacramento.               |
| 24,119                                   | 27,803  | 34.4           | 11,605             | 11,099  | 13.8           | 374                                | 4,972   | 6.2            | 40,894    | 39,821  | Saginaw.                  |
| 13,758                                   | 11,850  | 14.6           | 6,423              | 3,880   | 4.8            | 4,227                              | 4,511   | 5.0            | 39,681    | 41,254  | St. Joseph.               |
| 239,804                                  | 207,901 | 25.3           | 103,230            | 80,386  | 9.8            | 70,282                             | 96,081  | 11.0           | 401,708   | 420,254 | St. Louis.                |
| 102,198                                  | 110,885 | 40.8           | 51,595             | 44,143  | 16.3           | 3,627                              | 4,961   | 1.8            | 131,570   | 140,036 | St. Paul.                 |
| 41,113                                   | 41,884  | 20.9           | 19,434             | 17,235  | 12.3           | 1,329                              | 2,197   | 1.6            | 69,033    | 71,234  | Salt Lake City.           |
| 33,854                                   | 23,096  | 10.0           | 36,646             | 8,039   | 3.5            | 14,580                             | 100,805 | 43.5           | 113,676   | 117,865 | San Antonio.              |
| 17,600                                   | 30,725  | 20.8           | 13,241             | 10,366  | 11.1           | 2,127                              | 13,071  | 9.4            | 74,290    | 73,705  | San Diego.                |
| 182,643                                  | 206,285 | 32.6           | 140,200            | 153,366 | 24.2           | 16,654                             | 39,425  | 6.2            | 338,033   | 296,361 | San Francisco.            |
| 12,952                                   | 18,637  | 32.3           | 7,820              | 9,631   | 16.7           | 850                                | 1,886   | 3.3            | 28,277    | 29,374  | San Jose.                 |
| 6,363                                    | 5,772   | 6.8            | 3,247              | 2,451   | 2.9            | 39,222                             | 38,955  | 45.8           | 39,540    | 45,484  | Savannah.                 |
| 31,858                                   | 33,960  | 35.5           | 20,490             | 20,161  | 21.1           | 478                                | 706     | .7             | 48,869    | 46,823  | Schenectady.              |
| 59,931                                   | 61,888  | 43.1           | 28,568             | 26,430  | 17.7           | 569                                | 763     | .5             | 70,031    | 73,372  | Screnton.                 |
| 89,004                                   | 103,251 | 28.2           | 73,875             | 72,975  | 20.0           | 12,732                             | 15,035  | 4.1            | 186,093   | 179,500 | Seattle.                  |
| 2,325                                    | 3,851   | 6.9            | 1,206              | 1,541   | 2.0            | 17,506                             | 27,362  | 35.7           | 36,483    | 40,172  | Shreveport.               |
| 20,020                                   | 21,488  | 27.1           | 11,216             | 8,501   | 10.7           | 1,234                              | 1,449   | 1.8            | 39,295    | 39,888  | Sioux City.               |
| 36,254                                   | 42,689  | 41.1           | 24,182             | 29,545  | 28.4           | 366                                | 323     | .3             | 60,065    | 53,843  | Somerville.               |
| 22,390                                   | 29,051  | 27.9           | 13,391             | 14,020  | 13.5           | 1,287                              | 3,504   | 3.4            | 52,555    | 51,638  | South Bend.               |
| 20,236                                   | 30,703  | 26.6           | 16,826             | 16,190  | 14.0           | 1,057                              | 1,187   | 1.0            | 57,816    | 57,608  | Spokane.                  |
| 14,893                                   | 15,978  | 22.2           | 6,255              | 6,245   | 8.7            | 2,780                              | 3,347   | 4.7            | 34,544    | 37,320  | Springfield.              |
| 46,604                                   | 55,967  | 37.3           | 31,250             | 32,642  | 21.8           | 2,815                              | 3,235   | 2.2            | 72,088    | 77,212  | Springfield.              |
| 3,137                                    | 3,380   | 5.9            | 973                | 838     | 1.5            | 1,669                              | 1,787   | 3.1            | 27,502    | 30,025  | Springfield.              |
| 8,005                                    | 7,353   | 10.7           | 2,757              | 2,135   | 3.1            | 7,041                              | 8,282   | 12.0           | 33,837    | 34,856  | Springfield.              |
| 57,979                                   | 70,244  | 33.6           | 32,321             | 35,010  | 16.7           | 1,345                              | 2,152   | 1.0            | 103,680   | 105,646 | Syracuse.                 |
| 29,336                                   | 32,549  | 30.5           | 20,563             | 19,796  | 18.5           | 2,409                              | 2,258   | 2.1            | 54,154    | 52,663  | Tacoma.                   |
| 11,837                                   | 22,200  | 22.9           | 10,660             | 14,430  | 14.3           | 11,563                             | 21,339  | 21.1           | 49,747    | 51,414  | Tampa.                    |
| 9,779                                    | 8,320   | 13.2           | 3,667              | 2,665   | 4.2            | 3,661                              | 3,488   | 5.6            | 30,326    | 32,484  | Terre Haute.              |
| 75,185                                   | 78,085  | 26.9           | 38,145             | 33,474  | 11.5           | 5,779                              | 13,977  | 4.8            | 147,691   | 143,027 | Toledo.                   |
| 8,102                                    | 8,543   | 13.3           | 4,000              | 2,295   | 3.6            | 4,326                              | 7,618   | 11.7           | 30,461    | 33,659  | Topoka.                   |
| 40,634                                   | 50,462  | 37.4           | 30,073             | 26,757  | 21.7           | 4,857                              | 8,120   | 6.6            | 61,938    | 61,418  | Trenton.                  |
| 26,827                                   | 24,454  | 33.6           | 11,477             | 10,203  | 14.0           | 612                                | 678     | .9             | 34,418    | 38,345  | Troy.                     |
| 5,216                                    | 9,275   | 6.6            | 2,025              | 2,690   | 1.9            | 9,174                              | 17,362  | 12.3           | 70,114    | 71,144  | Tulsa.                    |
| 8,952                                    | 24,599  | 42.5           | 5,862              | 18,635  | 31.6           | 30                                 | 67      | .1             | 20,116    | 29,543  | Union City. <sup>2</sup>  |
| 36,760                                   | 41,662  | 40.9           | 23,257             | 21,309  | 20.9           | 392                                | 4,496   | .5             | 49,189    | 52,551  | Utica.                    |
| 3,068                                    | 3,178   | 6.9            | 1,767              | 1,184   | 2.2            | 7,738                              | 11,077  | 21.0           | 25,516    | 27,332  | Waco.                     |
| 58,824                                   | 61,555  | 12.6           | 28,548             | 29,932  | 6.1            | 110,711                            | 132,955 | 27.3           | 231,883   | 254,986 | Wash., D. C. <sup>2</sup> |
| 38,695                                   | 44,314  | 44.4           | 20,894             | 27,811  | 27.8           | 1,004                              | 1,711   | 1.7            | 50,299    | 49,603  | Waterbury.                |
| 14,720                                   | 15,441  | 25.0           | 5,796              | 5,071   | 8.2            | 1,633                              | 2,209   | 3.6            | 29,852    | 31,807  | Wheeling.                 |
| 7,550                                    | 10,460  | 9.4            | 3,021              | 2,263   | 2.0            | 3,594                              | 6,785   | 6.1            | 54,174    | 56,396  | Wichita.                  |
| 30,000                                   | 39,486  | 42.1           | 14,567             | 14,688  | 17.0           | 557                                | 914     | 1.1            | 42,694    | 44,002  | Wilkes-Barre.             |
| 26,235                                   | 25,029  | 28.5           | 16,279             | 12,592  | 11.8           | 10,786                             | 12,138  | 11.4           | 53,207    | 53,300  | Wilmington.               |
| 442                                      | 773     | 1.0            | 296                | 428     | .6             | 20,746                             | 32,560  | 43.3           | 35,792    | 39,482  | Winston-Salem.            |
| 74,257                                   | 84,072  | 43.0           | 53,418             | 51,047  | 25.1           | 1,363                              | 1,493   | .8             | 95,488    | 99,923  | Worcester.                |
| 42,419                                   | 55,351  | 41.1           | 25,700             | 34,065  | 25.3           | 1,998                              | 3,412   | 2.6            | 66,827    | 67,819  | Yonkers.                  |
| 3,343                                    | 3,470   | 6.3            | 1,193              | 1,245   | 2.3            | 1,424                              | 2,276   | 4.1            | 26,823    | 28,431  | York.                     |
| 45,302                                   | 50,565  | 35.0           | 32,834             | 32,938  | 19.4           | 6,763                              | 14,894  | 8.8            | 56,739    | 63,263  | Youngstown.               |

<sup>1</sup> Union and West Hoboken towns consolidated as Union City in 1925, combined population 1900, 38,281; 1910, 56,426; 1920, 60,725.

<sup>2</sup> Population shown is for District of Columbia, with which the city is now coextensive.



## No. 21.—FOREIGN-BORN POPULATION, ALL RACES, BY COUNTRY OF BIRTH: CONTINENTAL UNITED STATES

| Country of birth                                   | Number    |           |            |            |            |            | Per cent of increase <sup>1</sup> |           |
|----------------------------------------------------|-----------|-----------|------------|------------|------------|------------|-----------------------------------|-----------|
|                                                    | 1880      | 1890      | 1900       | 1910       | 1920       | 1930       | 1910-1920                         | 1920-1930 |
| Total foreign born.....                            | 8,879,943 | 9,249,660 | 10,341,276 | 13,515,866 | 13,920,692 | 14,204,149 | 3.0                               | 2.0       |
| Europe.....                                        | 5,744,911 | 6,020,608 | 8,371,780  | 11,791,841 | 11,882,053 | 11,743,399 | .8                                | -1.1      |
| Northwestern Europe.....                           | 3,494,484 | 4,380,752 | 4,302,893  | 4,239,087  | 3,830,094  | 3,728,050  | -8.6                              | -2.7      |
| England.....                                       | 664,160   | 909,092   | 840,513    | 877,719    | 813,853    | 809,593    | -7.3                              | -.5       |
| Scotland.....                                      | 170,133   | 242,231   | 233,524    | 261,076    | 254,570    | 254,323    | -2.5                              | 39.2      |
| Wales.....                                         | 83,302    | 100,079   | 93,586     | 82,488     | 67,066     | 60,205     | -18.7                             | -10.2     |
| Northern Ireland.....                              | 184,571   | 1,371,509 | 1,615,459  | 1,352,251  | 1,037,234  | 178,332    | -23.3                             | -11.0     |
| Irish Free State.....                              | 181,729   | 322,665   | 336,388    | 403,877    | 363,868    | 347,862    | -9.9                              | -4.4      |
| Norway.....                                        | 194,337   | 478,041   | 682,014    | 665,207    | 625,585    | 595,260    | -6.0                              | -4.8      |
| Sweden.....                                        | 64,190    | 132,543   | 153,690    | 181,649    | 189,154    | 182,238    | 4.1                               | -3.7      |
| Denmark and Iceland <sup>2</sup> .....             | 58,090    | 81,828    | 94,531     | 120,063    | 131,760    | 133,133    | 9.7                               | 1.0       |
| Netherlands.....                                   | 15,535    | 22,639    | 20,757     | 49,400     | 62,687     | 64,194     | 23.9                              | 2.4       |
| Belgium.....                                       | 12,830    | 2,882     | 3,031      | 3,071      | 12,585     | 9,048      | 309.8                             | -28.1     |
| Switzerland.....                                   | 88,621    | 104,089   | 115,668    | 124,848    | 118,859    | 113,010    | -5.0                              | -4.8      |
| France <sup>3</sup> .....                          | 103,971   | 113,174   | 104,197    | 117,418    | 153,072    | 135,592    | 30.4                              | -11.4     |
| Central and Eastern Europe.....                    | 2,187,778 | 3,420,829 | 4,136,946  | 6,094,041  | 6,134,845  | 5,897,799  | 1.8                               | -3.9      |
| Germany <sup>4</sup> .....                         | 1,965,742 | 2,784,894 | 2,663,418  | 2,311,237  | 1,682,108  | 1,608,814  | -27.0                             | -4.6      |
| Poland <sup>5</sup> .....                          | 48,557    | 147,440   | 383,407    | 393,584    | 1,139,979  | 1,268,683  | 21.5                              | 11.3      |
| Czechoslovakia <sup>6</sup> .....                  | —         | —         | —          | —          | 862,438    | 491,638    | —                                 | 35.6      |
| Austria <sup>7</sup> .....                         | 124,024   | 241,377   | 432,708    | 845,555    | 576,627    | 370,914    | -31.9                             | -35.0     |
| Hungary <sup>8</sup> .....                         | 11,520    | 62,435    | 145,714    | 495,609    | 397,283    | 274,450    | -19.8                             | -30.9     |
| Yugoslavia <sup>9</sup> .....                      | —         | —         | —          | —          | 109,439    | 211,410    | —                                 | 24.8      |
| Serbia <sup>10</sup> .....                         | —         | —         | —          | 4,639      | —          | —          | —                                 | —         |
| Montenegro <sup>11</sup> .....                     | —         | —         | —          | 6,374      | —          | —          | —                                 | —         |
| Russia and Lithuania.....                          | —         | —         | 423,720    | 1,184,412  | 1,535,563  | 1,347,234  | 29.6                              | -10.7     |
| Latvia and Estonia.....                            | 35,722    | 182,544   | —          | —          | —          | 24,223     | —                                 | —         |
| Finland.....                                       | —         | —         | 62,641     | 129,080    | 149,824    | 142,478    | 15.5                              | -4.9      |
| Romania <sup>12</sup> .....                        | —         | —         | 15,032     | 65,923     | 102,823    | 146,393    | 56.0                              | 42.4      |
| Bulgaria <sup>13</sup> .....                       | —         | —         | —          | 11,498     | 10,477     | 9,399      | -8.9                              | -10.3     |
| Turkey in Europe <sup>14</sup> .....               | 1,205     | 1,839     | 9,910      | 32,230     | 5,284      | 2,257      | -83.9                             | -57.3     |
| Southern Europe.....                               | 58,265    | 208,848   | 530,200    | 1,525,875  | 1,811,213  | 2,106,295  | 25.3                              | 10.2      |
| Greece <sup>15</sup> .....                         | 776       | 1,887     | 8,515      | 175,976    | 175,576    | 174,526    | 73.7                              | -.8       |
| Albania.....                                       | —         | —         | —          | (?)        | 5,008      | 8,814      | —                                 | 57.2      |
| Italy <sup>16</sup> .....                          | 44,230    | 132,580   | 484,027    | 1,343,125  | 1,610,113  | 1,700,429  | 19.9                              | 11.2      |
| Spain.....                                         | 5,121     | 6,185     | 7,050      | 22,108     | 49,535     | 59,362     | 124.1                             | 10.8      |
| Portugal.....                                      | 8,138     | 15,996    | 30,608     | 59,360     | 69,981     | 73,104     | 17.9                              | 4.5       |
| Other Europe.....                                  | 3,786     | 12,679    | 2,251      | 2,868      | 5,901      | 16,255     | 106.6                             | 176.5     |
| Asia.....                                          | 107,630   | 113,396   | 120,248    | 161,484    | 237,960    | 276,665    | 24.3                              | 16.8      |
| Armenia, Palestine, Syria, and Turkey in Asia..... | (?)       | (?)       | (?)        | 59,729     | 102,761    | 142,184    | 72.0                              | 38.4      |
| China.....                                         | 104,468   | 106,701   | 81,534     | 55,756     | 45,560     | 46,120     | -23.3                             | 5.9       |
| Japan.....                                         | 401       | 2,292     | 24,788     | 67,744     | 81,502     | 70,993     | 20.3                              | -12.9     |
| India.....                                         | 1,707     | 2,143     | 2,031      | 4,664      | 4,901      | 5,850      | 6.1                               | 19.4      |
| Other Asia.....                                    | 1,054     | 2,200     | 11,895     | 2,591      | 5,236      | 10,509     | 102.1                             | 100.7     |
| America.....                                       | 807,230   | 1,038,245 | 1,317,380  | 1,489,231  | 1,727,017  | 2,102,208  | 16.0                              | 21.7      |
| Canada and Newfoundland <sup>17</sup> .....        | 717,157   | 980,938   | 1,179,922  | 1,200,717  | 1,138,174  | 1,310,369  | -5.9                              | 15.1      |
| Canada.....                                        | —         | —         | —          | —          | —          | —          | —                                 | —         |
| French <sup>18</sup> .....                         | —         | 302,496   | 395,126    | 385,083    | 307,786    | 370,852    | -20.1                             | 20.5      |
| Other <sup>19</sup> .....                          | —         | 678,442   | 784,796    | 819,554    | 817,139    | 915,537    | -3.3                              | 12.0      |
| Newfoundland <sup>20</sup> .....                   | —         | —         | —          | 5,680      | 19,249     | 23,980     | 100.8                             | 61.0      |
| West Indies.....                                   | 15,401    | 23,250    | 25,435     | 9,473      | 78,002     | 106,241    | 65.3                              | 34.5      |
| Mexico.....                                        | 68,899    | 77,858    | 103,368    | 221,915    | 486,418    | 641,462    | 119.2                             | 31.9      |
| Central and South America.....                     | 5,273     | 6,198     | 8,680      | 9,964      | 23,463     | 44,137     | 135.5                             | 88.1      |
| All other.....                                     | 20,772    | 27,311    | 31,868     | 43,330     | 73,672     | 77,876     | 70.0                              | 5.7       |

<sup>1</sup> A minus sign (-) denotes decrease.<sup>2</sup> Boundaries changed between 1910 and 1920. Statistics for 1910 relate to pre-war boundaries.<sup>3</sup> Persons reported in 1910 as of Polish mother tongue born in Germany (190,096), Austria (329,418), and Russia (418,370) have been deducted from the respective countries and combined as Poland for comparison with number reported in 1920 as born in Poland. Though Poland before 1919 was divided among Russia, Germany, and Austria, the censuses of 1880 to 1900 listed it as a country of birth.<sup>4</sup> Created since 1910.<sup>5</sup> Included as part of Yugoslavia in 1920 and 1930.<sup>6</sup> Turkey in Asia included with Turkey in Europe prior to 1910.<sup>7</sup> Albania included with Turkey in Europe in 1910 and earlier years.<sup>8</sup> Newfoundland included with Canada prior to 1910.<sup>9</sup> Except possessions of the United States.

Source: Bureau of the Census, Department of Commerce.

No. 22.—FOREIGN-BORN WHITE POPULATION, BY COUNTRY OF BIRTH:  
CONTINENTAL UNITED STATES

| Country of birth         | 1920       |          | 1930       |          | Country of birth               | 1920      |          | 1930      |          |
|--------------------------|------------|----------|------------|----------|--------------------------------|-----------|----------|-----------|----------|
|                          | Number     | Per cent | Number     | Per cent |                                | Number    | Per cent | Number    | Per cent |
| Total.....               | 13,712,764 | 100.0    | 13,366,407 | 100.0    | E. Europe—Contd.               |           |          |           |          |
| Europe.....              | 11,877,991 | 86.8     | 11,740,121 | 87.8     | Bulgaria.....                  | 10,477    | 0.1      | 9,399     | 0.1      |
| Northwestern Europe..... |            |          |            |          | Turkey in Europe.....          | 5,284     | (?)      | 2,257     | (?)      |
| Ireland.....             | 3,823,376  | 27.9     | 3,724,035  | 27.9     | Southern Europe.....           | 1,908,889 | 13.9     | 2,093,228 | 15.7     |
| England.....             | 812,828    | 5.9      | 808,672    | 6.1      | Greece.....                    | 175,972   | 1.3      | 174,526   | 1.3      |
| Scotland.....            | 254,567    | 1.9      | 354,323    | 2.7      | Italy.....                     | 1,610,109 | 11.7     | 1,790,424 | 13.4     |
| Wales.....               | 67,066     | .5       | 80,205     | .5       | Spain.....                     | 49,247    | .4       | 55,302    | .4       |
| Northern Ireland.....    | 1,037,233  | 7.6      | 178,832    | 1.3      | Portugal.....                  | 67,453    | .5       | 69,974    | .5       |
| Irish Free State.....    |            |          | 744,810    | 5.6      | Other Europe.....              | 11,609    | .1       | 25,065    | .2       |
| Norway.....              | 863,862    | 2.7      | 347,852    | 2.6      | Asia.....                      | 110,450   | .8       | 157,580   | 1.2      |
| Sweden.....              | 625,680    | 4.6      | 595,250    | 4.5      | Turkey in Asia.....            | 11,014    | .1       | 40,651    | .3       |
| Denmark.....             | 139,154    | 1.4      | 179,474    | 1.3      | Armenia.....                   | 39,626    | .3       | 32,166    | .2       |
| Netherlands.....         | 131,766    | 1.0      | 133,133    | 1.0      | Palestine and Syria.....       | 55,102    | .4       | 63,362    | .5       |
| Belgium.....             | 62,689     | .5       | 64,194     | .5       | Other Asia.....                | 7,708     | .1       | 15,401    | .1       |
| Luxemburg.....           | 12,585     | .1       | 9,048      | .1       | America.....                   | 1,658,801 | 12.1     | 1,895,070 | 10.4     |
| Switzerland.....         | 118,659    | .9       | 113,010    | .8       | Canada—French.....             | 307,786   | 2.2      | 370,552   | 2.8      |
| France.....              | 162,890    | 1.1      | 135,232    | 1.0      | Other.....                     | 810,092   | 5.9      | 907,569   | 6.8      |
| Central Europe.....      | 4,380,980  | 31.6     | 4,225,815  | 31.6     | Newfoundland.....              | 13,242    | .1       | 23,071    | .2       |
| Germany.....             | 1,086,102  | 12.3     | 1,608,814  | 12.0     | Mexico.....                    | 478,883   | 3.5      | 23,743    | .2       |
| Poland.....              | 1,139,978  | 8.3      | 1,268,663  | 9.5      | Cuba.....                      | 26,309    | .2       | 15,944    | .1       |
| Czechoslovakia.....      | 362,436    | 2.6      | 491,638    | 3.7      | Other West Indies.....         |           |          | 15,482    | .1       |
| Austria.....             | 575,625    | 4.2      | 370,914    | 2.8      | Central and South America..... | 20,929    | .2       | 37,509    | .3       |
| Hungary.....             | 397,282    | 2.9      | 274,450    | 2.1      | Other countries.....           | 67,612    | .5       | 73,636    | .6       |
| Yugoslavia.....          | 169,437    | 1.2      | 211,416    | 1.6      | Australia.....                 | 10,801    | .1       | 12,720    | .1       |
| Eastern Europe.....      | 1,803,965  | 13.2     | 1,871,980  | 12.5     | Iceland.....                   | (?)       | (?)      | 2,764     | (?)      |
| Russia.....              |            |          | 1,153,624  | 8.6      | Azores.....                    |           |          | 35,427    | .3       |
| Latvia.....              | 1,400,489  | 10.2     | 20,673     | .2       | Other Atlantic islands.....    | 38,984    | .3       | 4,052     | (?)      |
| Estonia.....             |            |          | 3,550      | (?)      | All other.....                 | 17,727    | .1       | 18,078    | .1       |
| Lithuania.....           | 135,068    | 1.0      | 193,606    | 1.4      |                                |           |          |           |          |
| Finland.....             | 149,824    | 1.1      | 142,478    | 1.1      |                                |           |          |           |          |
| Rumania.....             | 102,823    | .7       | 146,398    | 1.1      |                                |           |          |           |          |

<sup>1</sup> Iceland included with Denmark.<sup>2</sup> Less than one-tenth of 1 per cent.<sup>3</sup> Made up largely of persons who would have been classified as Mexicans in 1930. See note 2, Table 14.<sup>4</sup> Except possessions of the United States.No. 23.—URBAN AND RURAL FOREIGN-BORN WHITE POPULATION, BY  
COUNTRY OF BIRTH: CONTINENTAL UNITED STATES, 1930

| Country of birth         | Urban      | Rural     | Per cent urban | Country of birth            | Urban     | Rural   | Percent urban |
|--------------------------|------------|-----------|----------------|-----------------------------|-----------|---------|---------------|
|                          |            |           |                |                             |           |         |               |
| Total.....               | 10,728,858 | 2,639,548 | 80.3           | E. Europe—Contd.            |           |         |               |
| Europe.....              | 8,438,608  | 2,301,516 | 80.4           | Rumania.....                | 131,465   | 14,928  | 89.8          |
| Northwestern Europe..... | 2,821,391  | 902,644   | 75.8           | Bulgaria.....               | 7,346     | 2,053   | 78.2          |
| England.....             | 641,200    | 167,472   | 79.3           | Turkey in Europe.....       | 2,168     | 99      | 95.6          |
| Scotland.....            | 295,541    | 58,782    | 83.4           | Southern Europe.....        | 1,830,701 | 262,525 | 87.5          |
| Wales.....               | 45,968     | 14,237    | 76.4           | Greece.....                 | 159,376   | 15,150  | 91.3          |
| Northern Ireland.....    | 150,782    | 28,060    | 84.3           | Italy.....                  | 1,573,003 | 217,421 | 87.9          |
| Irish Free State.....    | 671,727    | 73,083    | 90.2           | Spain.....                  | 46,181    | 12,121  | 79.2          |
| Norway.....              | 194,936    | 152,916   | 56.0           | Portugal.....               | 52,141    | 17,833  | 74.5          |
| Sweden.....              | 408,032    | 187,218   | 68.5           | Other Europe.....           | 21,739    | 3,286   | 86.7          |
| Denmark.....             | 107,127    | 72,347    | 59.7           | Asia.....                   | 142,889   | 14,691  | 80.7          |
| Netherlands.....         | 80,466     | 52,667    | 60.4           | Turkey in Asia.....         | 43,272    | 3,879   | 92.8          |
| Belgium.....             | 47,136     | 17,068    | 73.4           | Armenia.....                | 28,829    | 3,337   | 89.6          |
| Luxemburg.....           | 5,693      | 3,355     | 62.9           | Palestine and Syria.....    | 57,357    | 6,005   | 90.5          |
| Switzerland.....         | 67,915     | 45,092    | 60.1           | Other Asia.....             | 13,431    | 1,970   | 87.2          |
| France.....              | 104,865    | 30,367    | 77.5           | America.....                | 1,092,246 | 302,824 | 78.3          |
| Central Europe.....      | 3,312,950  | 912,865   | 78.4           | Canada—French.....          | 292,564   | 78,288  | 78.9          |
| Germany.....             | 1,176,950  | 431,864   | 73.2           | Other.....                  | 696,174   | 211,395 | 76.7          |
| Poland.....              | 1,006,114  | 172,469   | 86.4           | Newfoundland.....           | 22,021    | 1,950   | 91.9          |
| Czechoslovakia.....      | 348,261    | 143,377   | 70.8           | Mexico.....                 | 18,596    | 5,147   | 78.3          |
| Austria.....             | 308,482    | 62,432    | 83.2           | Cuba.....                   | 15,128    | 816     | 94.9          |
| Hungary.....             | 228,642    | 45,808    | 83.3           | Other West Indies.....      | 13,960    | 1,522   | 90.2          |
| Yugoslavia.....          | 154,501    | 56,915    | 73.1           | Can. and S. America.....    | 33,803    | 3,706   | 90.1          |
| Eastern Europe.....      | 1,451,825  | 220,155   | 86.8           | Other countries.....        | 58,118    | 20,519  | 72.1          |
| Russia.....              | 1,041,173  | 112,451   | 90.3           | Australia.....              | 10,208    | 2,612   | 80.3          |
| Lithuania.....           | 168,090    | 25,516    | 86.8           | Iceland.....                | 1,348     | 1,416   | 48.8          |
| Latvia.....              | 18,744     | 1,929     | 90.7           | Azores.....                 | 23,382    | 12,045  | 66.0          |
| Estonia.....             | 2,982      | 568       | 84.0           | Other Atlantic islands..... | 3,427     | 625     | 84.6          |
| Finland.....             | 79,887     | 62,611    | 56.1           | All other.....              | 14,753    | 3,920   | 79.0          |

<sup>1</sup> Except possessions of the United States.

Source of Tables 22 and 23: Bureau of the Census, Department of Commerce.

## No. 24.—FOREIGN-BORN WHITES BY

| Division and State        | Total foreign-born whites | Northwestern Europe |          |        |                          |                  |         |         |         |             |         |  |
|---------------------------|---------------------------|---------------------|----------|--------|--------------------------|------------------|---------|---------|---------|-------------|---------|--|
|                           |                           | United Kingdom      |          |        |                          | Irish Free State | Norway  | Sweden  | Denmark | Netherlands | Belgium |  |
|                           |                           | England             | Scotland | Wales  | North-<br>ern<br>Ireland |                  |         |         |         |             |         |  |
| Continental United States | 13,366,407                | 808,672             | 354,323  | 50,205 | 178,832                  | 744,610          | 347,952 | 595,250 | 179,474 | 133,133     | 64,184  |  |
| New England               | 1,334,310                 | 135,490             | 64,228   | 2,834  | 33,527                   | 183,113          | 8,560   | 86,023  | 7,625   | 2,614       | 3,864   |  |
| Maine                     | 100,368                   | 4,463               | 1,006    | 137    | 827                      | 3,283            | 534     | 1,882   | 840     | 41          | 51      |  |
| New Hampshire             | 82,690                    | 3,622               | 1,723    | 72     | 1,010                    | 4,807            | 306     | 1,608   | 166     | 103         | 523     |  |
| Vermont                   | 45,061                    | 1,920               | 1,454    | 462    | 377                      | 1,429            | 127     | 1,089   | 140     | 34          | 22      |  |
| Massachusetts             | 1,054,636                 | 78,418              | 32,724   | 1,358  | 20,378                   | 138,360          | 5,454   | 36,810  | 3,070   | 1,800       | 1,956   |  |
| Rhode Island              | 170,714                   | 24,696              | 6,401    | 224    | 3,845                    | 13,805           | 543     | 6,181   | 280     | 135         | 407     |  |
| Connecticut               | 382,871                   | 22,092              | 10,013   | 581    | 7,000                    | 31,323           | 1,806   | 18,453  | 3,129   | 543         | 425     |  |
| Middle Atlantic           | 5,269,042                 | 276,133             | 137,861  | 23,836 | 92,559                   | 361,502          | 56,697  | 91,046  | 26,978  | 30,980      | 12,692  |  |
| New York                  | 3,191,540                 | 146,485             | 67,623   | 7,037  | 41,521                   | 251,704          | 44,882  | 61,233  | 17,407  | 14,000      | 6,144   |  |
| New Jersey                | 844,442                   | 51,620              | 34,721   | 1,532  | 15,750                   | 47,480           | 7,870   | 13,360  | 6,665   | 14,762      | 2,374   |  |
| Pennsylvania              | 1,233,051                 | 78,019              | 36,517   | 17,767 | 35,288                   | 62,312           | 2,945   | 16,452  | 2,906   | 1,239       | 3,674   |  |
| East North Central        | 3,293,994                 | 170,013             | 84,679   | 14,585 | 23,322                   | 98,881           | 74,228  | 155,735 | 42,397  | 57,443      | 33,053  |  |
| Ohio                      | 644,151                   | 40,685              | 17,862   | 6,897  | 5,028                    | 17,879           | 1,650   | 7,300   | 2,184   | 2,235       | 1,848   |  |
| Indiana                   | 135,134                   | 7,465               | 3,893    | 934    | 1,045                    | 3,931            | 730     | 4,666   | 964     | 1,992       | 3,254   |  |
| Illinois                  | 1,218,158                 | 50,685              | 24,839   | 3,277  | 10,054                   | 57,208           | 30,256  | 111,016 | 18,945  | 14,828      | 11,504  |  |
| Michigan                  | 840,268                   | 62,721              | 35,257   | 2,236  | 6,138                    | 11,300           | 7,201   | 23,005  | 7,210   | 32,128      | 13,081  |  |
| Wisconsin                 | 386,213                   | 8,477               | 2,723    | 1,241  | 1,057                    | 3,473            | 34,391  | 18,808  | 13,094  | 6,260       | 2,458   |  |
| West North Central        | 1,053,277                 | 38,941              | 18,035   | 8,882  | 6,750                    | 23,983           | 131,304 | 147,988 | 50,193  | 20,532      | 5,590   |  |
| Minnesota                 | 388,294                   | 8,445               | 3,241    | 582    | 1,403                    | 5,095            | 71,562  | 90,623  | 13,831  | 4,852       | 1,701   |  |
| Iowa                      | 165,735                   | 9,045               | 2,871    | 1,133  | 1,778                    | 4,179            | 12,932  | 16,810  | 14,698  | 10,135      | 932     |  |
| Missouri                  | 149,390                   | 7,919               | 2,419    | 573    | 1,308                    | 8,561            | 575     | 3,895   | 1,497   | 706         | 859     |  |
| North Dakota              | 105,148                   | 1,592               | 891      | 111    | 326                      | 863              | 31,337  | 8,470   | 2,136   | 653         | 238     |  |
| South Dakota              | 65,648                    | 2,159               | 612      | 265    | 351                      | 862              | 13,061  | 6,540   | 5,298   | 3,068       | 239     |  |
| Nebraska                  | 115,349                   | 4,213               | 1,223    | 383    | 801                      | 2,502            | 1,691   | 14,335  | 10,210  | 620         | 523     |  |
| Kansas                    | 69,716                    | 5,268               | 1,778    | 785    | 750                      | 1,021            | 746     | 7,815   | 1,723   | 613         | 1,098   |  |
| South Atlantic            | 304,278                   | 25,673              | 8,859    | 1,787  | 3,637                    | 12,163           | 2,561   | 4,940   | 2,339   | 1,624       | 1,397   |  |
| Delaware                  | 16,885                    | 1,802               | 562      | 45     | 900                      | 1,364            | 141     | 294     | 90      | 56          | 26      |  |
| Maryland                  | 95,063                    | 6,067               | 1,920    | 477    | 818                      | 4,032            | 763     | 764     | 464     | 343         | 152     |  |
| Dist. of Columbia         | 26,932                    | 2,836               | 884      | 116    | 493                      | 3,026            | 228     | 435     | 229     | 151         | 62      |  |
| Virginia                  | 23,820                    | 3,088               | 1,230    | 132    | 375                      | 789              | 318     | 467     | 339     | 204         | 101     |  |
| West Virginia             | 51,320                    | 3,282               | 1,267    | 607    | 222                      | 659              | 87      | 303     | 75      | 42          | 600     |  |
| North Carolina            | 8,788                     | 1,208               | 477      | 35     | 63                       | 253              | 95      | 160     | 65      | 201         | 19      |  |
| South Carolina            | 5,266                     | 479                 | 179      | 13     | 90                       | 185              | 65      | 106     | 39      | 24          | 52      |  |
| Georgia                   | 13,917                    | 1,328               | 534      | 83     | 147                      | 546              | 125     | 266     | 108     | 67          | 45      |  |
| Florida                   | 60,057                    | 7,084               | 1,797    | 289    | 534                      | 1,303            | 859     | 2,145   | 921     | 470         | 217     |  |
| East South Central        | 57,665                    | 5,059               | 1,941    | 377    | 667                      | 2,758            | 447     | 1,246   | 476     | 285         | 184     |  |
| Kentucky                  | 21,840                    | 1,473               | 524      | 114    | 191                      | 1,656            | 46      | 170     | 72      | 112         | 59      |  |
| Tennessee                 | 13,066                    | 1,351               | 433      | 104    | 160                      | 491              | 68      | 232     | 123     | 56          | 28      |  |
| Alabama                   | 15,710                    | 1,760               | 860      | 141    | 162                      | 413              | 265     | 638     | 132     | 95          | 60      |  |
| Mississippi               | 7,049                     | 470                 | 124      | 18     | 54                       | 198              | 68      | 206     | 99      | 32          | 37      |  |
| West South Central        | 170,232                   | 11,193              | 3,241    | 612    | 1,212                    | 4,921            | 2,292   | 5,534   | 2,319   | 1,044       | 1,009   |  |
| Arkansas                  | 10,173                    | 806                 | 229      | 51     | 100                      | 354              | 72      | 249     | 138     | 80          | 78      |  |
| Louisiana                 | 34,910                    | 1,512               | 435      | 66     | 234                      | 970              | 487     | 433     | 315     | 220         | 307     |  |
| Oklahoma                  | 26,733                    | 2,089               | 866      | 235    | 262                      | 690              | 243     | 835     | 516     | 166         | 217     |  |
| Texas                     | 98,396                    | 6,782               | 1,711    | 260    | 616                      | 2,007            | 1,490   | 4,017   | 1,350   | 578         | 407     |  |
| Mountain                  | 287,914                   | 33,070              | 10,584   | 3,385  | 3,179                    | 10,252           | 15,550  | 25,839  | 13,248  | 5,038       | 1,343   |  |
| Montana                   | 72,961                    | 6,020               | 2,721    | 580    | 1,095                    | 8,660            | 8,991   | 5,655   | 2,541   | 1,253       | 500     |  |
| Idaho                     | 30,454                    | 3,252               | 1,025    | 355    | 384                      | 616              | 2,148   | 4,200   | 1,667   | 341         | 118     |  |
| Wyoming                   | 19,658                    | 2,105               | 1,424    | 222    | 176                      | 584              | 647     | 1,783   | 775     | 101         | 139     |  |
| Colorado                  | 85,466                    | 6,891               | 2,877    | 1,061  | 900                      | 3,184            | 1,261   | 8,628   | 2,374   | 810         | 390     |  |
| New Mexico                | 7,797                     | 648                 | 354      | 99     | 91                       | 213              | 119     | 263     | 101     | 44          | 34      |  |
| Arizona                   | 15,691                    | 2,309               | 579      | 130    | 235                      | 653              | 295     | 778     | 364     | 100         | 50      |  |
| Utah                      | 43,772                    | 10,851              | 1,669    | 862    | 234                      | 584              | 1,698   | 4,389   | 4,883   | 2,325       | 79      |  |
| Nevada                    | 12,275                    | 994                 | 285      | 67     | 155                      | 463              | 191     | 443     | 541     | 44          | 24      |  |
| Pacific                   | 1,159,765                 | 113,400             | 39,647   | 6,367  | 14,086                   | 42,237           | 56,483  | 86,850  | 33,901  | 13,383      | 5,042   |  |
| Washington                | 244,256                   | 20,304              | 8,024    | 1,694  | 2,154                    | 4,942            | 31,420  | 34,084  | 7,175   | 3,484       | 1,242   |  |
| Oregon                    | 105,475                   | 8,077               | 3,820    | 592    | 1,039                    | 2,802            | 7,450   | 11,032  | 3,551   | 1,002       | 681     |  |
| California                | 810,034                   | 85,019              | 27,803   | 4,111  | 10,892                   | 34,493           | 17,604  | 41,734  | 23,175  | 8,897       | 3,119   |  |

## COUNTRY OF BIRTH, BY STATES, 1930

| Northwestern Europe—Continued |              |          | Central Europe |             |                 |          |          |             | Eastern Europe |           |         | Division and State |
|-------------------------------|--------------|----------|----------------|-------------|-----------------|----------|----------|-------------|----------------|-----------|---------|--------------------|
| Lux-emburg                    | Switz-erland | France   | Germany        | Poland      | Czecho-slovakia | Austria  | Hungary  | Yugo-slavia | Russia         | Lithuania | Lat-via |                    |
| 9, 048                        | 113, 010     | 135, 232 | 1, 608, 814    | 1, 988, 683 | 491, 638        | 370, 914 | 274, 450 | 211, 418    | 1, 153, 624    | 193, 806  | 20, 673 | U. S.              |
| 78                            | 3, 541       | 11, 728  | 50, 005        | 138, 774    | 16, 024         | 11, 948  | 11, 107  | 1, 334      | 103, 310       | 41, 753   | 2, 908  | N. E.              |
| 5                             | 51           | 314      | 818            | 1, 706      | 241             | 230      | 30       | 16          | 1, 880         | 1, 121    | 62      | Me.                |
| 2                             | 82           | 290      | 1, 517         | 4, 101      | 132             | 174      | 47       | 36          | 1, 427         | 1, 084    | 46      | N. H.              |
| 1                             | 158          | 182      | 577            | 1, 662      | 191             | 132      | 156      | 71          | 660            | 160       | 21      | Vt.                |
| 31                            | 1, 272       | 6, 026   | 20, 538        | 71, 442     | 2, 900          | 4, 266   | 905      | 305         | 67, 684        | 25, 219   | 2, 315  | Mass.              |
| 11                            | 204          | 2, 013   | 3, 090         | 8, 096      | 274             | 838      | 133      | 24          | 5, 890         | 922       | 93      | I. I.              |
| 26                            | 1, 774       | 2, 889   | 23, 465        | 49, 267     | 12, 220         | 6, 306   | 9, 836   | 882         | 25, 769        | 13, 247   | 339     | Conn.              |
| 887                           | 30, 985      | 52, 449  | 572, 571       | 619, 628    | 199, 705        | 216, 000 | 138, 753 | 54, 882     | 659, 250       | 69, 882   | 9, 052  | M. A.              |
| 532                           | 16, 571      | 32, 145  | 349, 196       | 350, 383    | 56, 176         | 142, 208 | 70, 631  | 10, 917     | 481, 306       | 22, 933   | 5, 971  | N. Y.              |
| 117                           | 8, 705       | 10, 520  | 112, 753       | 102, 573    | 32, 358         | 24, 010  | 32, 332  | 8, 643      | 62, 152        | 9, 870    | 1, 104  | N. J.              |
| 218                           | 5, 649       | 9, 784   | 110, 622       | 166, 672    | 111, 171        | 49, 692  | 33, 790  | 40, 102     | 115, 792       | 37, 079   | 1, 887  | Pa.                |
| 5, 978                        | 27, 068      | 24, 101  | 524, 437       | 418, 569    | 190, 709        | 82, 800  | 100, 773 | 102, 437    | 175, 168       | 67, 872   | 4, 451  | E. N. C.           |
| 163                           | 7, 624       | 5, 746   | 95, 697        | 64, 493     | 68, 738         | 20, 547  | 47, 026  | 38, 884     | 32, 627        | 7, 581    | 721     | Ohio.              |
| 50                            | 1, 624       | 2, 160   | 28, 152        | 17, 482     | 8, 325          | 2, 709   | 7, 674   | 6, 646      | 4, 749         | 2, 109    | 116     | Ind.               |
| 2, 786                        | 7, 316       | 10, 155  | 190, 605       | 173, 007    | 76, 420         | 33, 336  | 20, 395  | 28, 178     | 87, 026        | 44, 733   | 2, 609  | Ill.               |
| 375                           | 2, 834       | 4, 581   | 81, 714        | 119, 228    | 17, 646         | 13, 299  | 19, 188  | 16, 468     | 34, 348        | 9, 340    | 674     | Mich.              |
| 596                           | 7, 689       | 1, 459   | 128, 269       | 42, 359     | 10, 580         | 12, 709  | 6, 490   | 12, 260     | 16, 418        | 4, 109    | 331     | Wis.               |
| 2, 874                        | 11, 600      | 7, 339   | 228, 951       | 34, 419     | 46, 006         | 22, 924  | 7, 295   | 17, 049     | 83, 728        | 3, 837    | 684     | W. N. C.           |
| 1, 032                        | 2, 041       | 1, 246   | 59, 993        | 15, 015     | 11, 415         | 7, 288   | 1, 681   | 8, 888      | 11, 902        | 1, 253    | 255     | Minn.              |
| 873                           | 2, 096       | 1, 435   | 53, 901        | 1, 875      | 8, 280          | 1, 509   | 295      | 1, 306      | 4, 482         | 835       | 66      | Iowa.              |
| 54                            | 3, 578       | 2, 353   | 42, 276        | 8, 324      | 4, 495          | 7, 928   | 3, 484   | 2, 753      | 15, 689        | 805       | 167     | Mo.                |
| 202                           | 369          | 237      | 10, 114        | 2, 128      | 1, 869          | 1, 407   | 898      | 336         | 22, 617        | 121       | 33      | N. Dak.            |
| 380                           | 618          | 229      | 12, 739        | 717         | 2, 589          | 678      | 231      | 223         | 9, 023         | 46        | 7       | S. Dak.            |
| 204                           | 1, 364       | 558      | 32, 644        | 4, 445      | 14, 313         | 1, 863   | 372      | 762         | 11, 234        | 589       | 145     | Neb.               |
| 129                           | 1, 594       | 1, 271   | 17, 384        | 1, 915      | 3, 044          | 2, 164   | 334      | 2, 781      | 8, 781         | 158       | 11      | Kans.              |
| 8                             | 2, 485       | 3, 950   | 38, 226        | 26, 289     | 8, 309          | 7, 578   | 6, 737   | 3, 065      | 35, 870        | 5, 681    | 1, 384  | S. A.              |
| ---                           | 75           | 147      | 1, 469         | 2, 954      | 159             | 435      | 157      | 7           | 1, 450         | 90        | 29      | Del.               |
| 19                            | 497          | 773      | 18, 925        | 12, 027     | 3, 344          | 2, 634   | 1, 219   | 275         | 18, 782        | 3, 422    | 624     | Md.                |
| 8                             | 360          | 707      | 3, 411         | 1, 562      | 193             | 493      | 228      | 56          | 4, 914         | 256       | 142     | D. C.              |
| 3                             | 191          | 365      | 2, 505         | 1, 221      | 927             | 492      | 560      | 67          | 2, 989         | 400       | 261     | Va.                |
| 11                            | 308          | 546      | 3, 129         | 5, 545      | 2, 831          | 2, 254   | 3, 683   | 2, 440      | 2, 209         | 1, 009    | 71      | W. Va.             |
| 4                             | 87           | 156      | 903            | 319         | 50              | 146      | 70       | 9           | 758            | 121       | 31      | N. C.              |
| 1                             | 26           | 76       | 747            | 510         | 52              | 74       | 32       | 13          | 556            | 60        | 49      | S. C.              |
| ---                           | 114          | 278      | 1, 682         | 1, 156      | 115             | 225      | 136      | 39          | 2, 200         | 155       | 115     | Ga.                |
| 39                            | 500          | 902      | 5, 464         | 945         | 638             | 826      | 652      | 160         | 2, 012         | 168       | 62      | Fla.               |
| 19                            | 1, 561       | 1, 462   | 12, 188        | 2, 711      | 879             | 1, 239   | 1, 093   | 550         | 5, 023         | 424       | 192     | E. S. C.           |
| 4                             | 915          | 583      | 7, 552         | 899         | 194             | 484      | 557      | 201         | 1, 620         | 186       | 40      | Ky.                |
| 3                             | 443          | 217      | 1, 783         | 960         | 131             | 223      | 208      | 25          | 1, 803         | 106       | 66      | Tenn.              |
| 7                             | 150          | 466      | 2, 114         | 556         | 483             | 386      | 284      | 135         | 1, 067         | 88        | 49      | Ala.               |
| 5                             | 53           | 196      | 739            | 296         | 70              | 146      | 44       | 189         | 624            | 44        | 27      | Miss.              |
| 98                            | 2, 681       | 5, 698   | 38, 411        | 6, 800      | 14, 885         | 4, 590   | 1, 241   | 1, 141      | 10, 868        | 580       | 247     | W. S. C.           |
| 7                             | 518          | 254      | 2, 989         | 394         | 404             | 293      | 67       | 118         | 401            | 52        | 10      | Ark.               |
| 10                            | 280          | 2, 935   | 3, 616         | 655         | 332             | 467      | 361      | 397         | 1, 375         | 31        | 23      | La.                |
| 31                            | 493          | 717      | 5, 893         | 1, 162      | 1, 867          | 530      | 191      | 162         | 3, 613         | 189       | 74      | Okl.               |
| 45                            | 1, 410       | 1, 792   | 25, 913        | 4, 539      | 12, 282         | 3, 300   | 622      | 464         | 5, 467         | 308       | 140     | Tex.               |
| 236                           | 5, 593       | 4, 071   | 26, 731        | 5, 125      | 5, 018          | 6, 002   | 1, 572   | 12, 133     | 20, 865        | 614       | 135     | Mt.                |
| 108                           | 901          | 653      | 6, 155         | 1, 144      | 1, 714          | 1, 435   | 360      | 3, 877      | 4, 212         | 175       | 19      | Mont.              |
| 41                            | 1, 038       | 381      | 3, 427         | 227         | 541             | 399      | 108      | 489         | 1, 163         | 18        | 4       | Idaho.             |
| 7                             | 250          | 359      | 1, 714         | 604         | 521             | 457      | 175      | 1, 322      | 1, 375         | 35        | 6       | Wyo.               |
| 51                            | 1, 202       | 1, 072   | 9, 988         | 2, 488      | 1, 714          | 2, 468   | 690      | 3, 650      | 12, 979        | 282       | 61      | Colo.              |
| 5                             | 117          | 259      | 938            | 97          | 143             | 316      | 59       | 490         | 219            | 24        | 4       | N. Mex.            |
| 12                            | 279          | 303      | 1, 433         | 253         | 178             | 341      | 94       | 784         | 463            | 58        | 18      | Ariz.              |
| 9                             | 1, 419       | 261      | 4, 104         | 230         | 119             | 410      | 72       | 989         | 342            | 36        | 15      | Utah.              |
| 3                             | 387          | 783      | 974            | 82          | 88              | 176      | 16       | 532         | 122            | 6         | 8       | Nev.               |
| 822                           | 27, 675      | 24, 449  | 115, 295       | 20, 318     | 10, 105         | 18, 035  | 7, 879   | 19, 045     | 59, 554        | 2, 963    | 1, 632  | Pac.               |
| 263                           | 3, 578       | 1, 986   | 20, 542        | 3, 942      | 2, 202          | 3, 128   | 579      | 4, 761      | 9, 229         | 868       | 276     | Wash.              |
| 122                           | 4, 034       | 1, 144   | 12, 913        | 2, 066      | 1, 691          | 1, 664   | 404      | 1, 641      | 6, 278         | 319       | 167     | Oreg.              |
| 437                           | 20, 008      | 21, 319  | 81, 840        | 14, 260     | 6, 212          | 13, 243  | 8, 896   | 12, 743     | 44, 047        | 1, 776    | 1, 189  | Calif.             |

## No. 24.—FOREIGN-BORN WHITES BY COUNTRY

| Division and State            | Eastern Europe—Continued |              |              |               |                                  | Southern Europe |           |        |               | Asia                              |              |                                |
|-------------------------------|--------------------------|--------------|--------------|---------------|----------------------------------|-----------------|-----------|--------|---------------|-----------------------------------|--------------|--------------------------------|
|                               | Es-<br>tonia             | Fin-<br>land | Ru-<br>mania | Bul-<br>garia | Tur-<br>key<br>in<br>Eu-<br>rope | Greece          | Italy     | Spain  | Port-<br>ugal | Other<br>Eu-<br>rope <sup>1</sup> | Ar-<br>menia | Pales-<br>tine<br>and<br>Syria |
| Continental<br>United States. | 3,550                    | 142,478      | 146,393      | 9,399         | 2,257                            | 174,526         | 1,790,424 | 53,302 | 69,974        | 26,085                            | 32,166       | 63,862                         |
| New England.....              | 182                      | 18,503       | 3,424        | 238           | 311                              | 26,423          | 263,098   | 2,383  | 35,674        | 4,643                             | 10,637       | 11,504                         |
| Maine.....                    | 4                        | 1,406        | 27           | 5             | 16                               | 748             | 2,369     | 40     | 78            | 261                               | 134          | 486                            |
| New Hampshire.....            | 3                        | 1,389        | 35           | 15            | 7                                | 3,233           | 1,938     | 20     | 247           | 204                               | 151          | 413                            |
| Vermont.....                  | 5                        | 555          | 15           | 4             | —                                | 225             | 3,082     | 478    | 46            | 9                                 | 14           | 274                            |
| Massachusetts.....            | 89                       | 13,077       | 1,689        | 116           | 217                              | 16,780          | 126,103   | 798    | 24,840        | 3,116                             | 7,705        | 7,403                          |
| Rhode Island.....             | 10                       | 448          | 480          | 43            | 38                               | 1,100           | 32,493    | 110    | 8,118         | 282                               | 1,909        | 1,249                          |
| Connecticut.....              | 71                       | 1,631        | 1,178        | 50            | 33                               | 3,337           | 87,123    | 917    | 2,345         | 771                               | 774          | 1,679                          |
| Middle Atlantic.....          | 1,949                    | 22,390       | 72,328       | 1,544         | 1,043                            | 51,053          | 1,046,159 | 25,617 | 10,052        | 8,604                             | 8,412        | 21,434                         |
| New York.....                 | 1,505                    | 17,444       | 51,014       | 973           | 849                              | 33,387          | 629,322   | 17,695 | 5,103         | 4,555                             | 4,874        | 13,024                         |
| New Jersey.....               | 234                      | 2,721        | 6,686        | 124           | 77                               | 6,020           | 190,858   | 4,982  | 3,655         | 1,040                             | 1,947        | 2,939                          |
| Pennsylvania.....             | 210                      | 2,125        | 15,126       | 442           | 117                              | 11,646          | 225,979   | 2,840  | 1,291         | 2,969                             | 1,591        | 5,521                          |
| East North Central.....       | 401                      | 42,948       | 48,871       | 4,914         | 424                              | 49,101          | 244,504   | 4,563  | 548           | 7,500                             | 5,927        | 12,598                         |
| Ohio.....                     | 81                       | 5,633        | 10,580       | 1,686         | 96                               | 12,050          | 71,496    | 1,556  | 185           | 1,562                             | 468          | 4,496                          |
| Indiana.....                  | 10                       | 265          | 3,292        | 403           | 11                               | 4,087           | 6,873     | 597    | 88            | 362                               | 127          | 783                            |
| Illinois.....                 | 127                      | 4,302        | 13,172       | 1,037         | 99                               | 20,003          | 110,449   | 1,030  | 102           | 1,449                             | 1,635        | 1,551                          |
| Michigan.....                 | 123                      | 27,022       | 11,432       | 1,594         | 201                              | 10,061          | 43,087    | 1,324  | 131           | 3,757                             | 3,322        | 5,219                          |
| Wisconsin.....                | 60                       | 5,724        | 1,345        | 194           | 17                               | 2,900           | 12,599    | 66     | 40            | 370                               | 375          | 549                            |
| West North Central.....       | 58                       | 26,328       | 9,012        | 692           | 34                               | 8,018           | 31,668    | 669    | 32            | 1,032                             | 287          | 3,294                          |
| Minnesota.....                | 30                       | 24,360       | 2,819        | 238           | 7                                | 1,766           | 6,401     | 42     | 5             | 138                               | 60           | 705                            |
| Iowa.....                     | 4                        | 70           | 284          | 159           | 2                                | 1,910           | 3,834     | 22     | 1             | 69                                | 68           | 580                            |
| Missouri.....                 | 9                        | 100          | 2,321        | 151           | 19                               | 2,405           | 15,204    | 490    | 14            | 547                               | 86           | 889                            |
| North Dakota.....             | 7                        | 873          | 2,518        | 39            | —                                | 303             | 102       | 8      | 1             | 27                                | 22           | 239                            |
| South Dakota.....             | 3                        | 325          | 410          | 46            | 3                                | 279             | 305       | 7      | 1             | 25                                | 3            | 233                            |
| Nebraska.....                 | 3                        | 48           | 336          | 30            | 3                                | 822             | 3,642     | 18     | 4             | 140                               | 24           | 393                            |
| Kansas.....                   | 2                        | 52           | 324          | 20            | —                                | 534             | 2,165     | 102    | 6             | 86                                | 4            | 253                            |
| South Atlantic.....           | 118                      | 1,191        | 2,743        | 218           | 106                              | 11,449          | 39,512    | 6,277  | 393           | 782                               | 323          | 4,818                          |
| Delaware.....                 | 11                       | 50           | 91           | 2             | 4                                | 339             | 3,769     | 121    | 7             | 33                                | 3            | 7                              |
| Maryland.....                 | 36                       | 376          | 811          | 16            | 6                                | 1,617           | 10,872    | 281    | 33            | 185                               | 30           | 133                            |
| Dist. of Columbia.....        | 2                        | 69           | 160          | 16            | 25                               | 1,347           | 4,330     | 148    | 23            | 85                                | 68           | 305                            |
| Virginia.....                 | 9                        | 68           | 172          | 9             | 23                               | 1,285           | 1,853     | 111    | 57            | 104                               | 133          | 569                            |
| West Virginia.....            | 6                        | 144          | 667          | 121           | 12                               | 2,479           | 12,088    | 1,372  | 49            | 172                               | 16           | 1,317                          |
| North Carolina.....           | 4                        | 9            | 33           | 7             | 6                                | 1,003           | 438       | 21     | 9             | 37                                | 2            | 701                            |
| South Carolina.....           | 2                        | 38           | 21           | 1             | 6                                | 627             | 188       | 19     | 3             | 30                                | —            | 413                            |
| Georgia.....                  | 6                        | 104          | 143          | 8             | 12                               | 1,197           | 712       | 79     | 90            | 46                                | 23           | 411                            |
| Florida.....                  | 40                       | 333          | 645          | 38            | 12                               | 1,552           | 5,252     | 4,125  | 122           | 70                                | 48           | 962                            |
| East South Central.....       | 12                       | 154          | 494          | 43            | 22                               | 2,304           | 7,288     | 213    | 39            | 259                               | 32           | 1,801                          |
| Kentucky.....                 | —                        | 27           | 202          | 20            | 14                               | 466             | 1,589     | 97     | 26            | 75                                | 8            | 447                            |
| Tennessee.....                | —                        | 24           | 98           | 3             | 3                                | 528             | 1,946     | 17     | 3             | 93                                | 13           | 133                            |
| Alabama.....                  | 11                       | 51           | 133          | 16            | 6                                | 968             | 2,140     | 68     | 7             | 55                                | 8            | 508                            |
| Mississippi.....              | 1                        | 52           | 31           | 4             | —                                | 342             | 1,613     | 31     | 3             | 36                                | 3            | 713                            |
| West South Central.....       | 53                       | 297          | 847          | 220           | 37                               | 3,331           | 22,186    | 1,437  | 104           | 607                               | 53           | 3,891                          |
| Arkansas.....                 | 2                        | 10           | 36           | 33            | 2                                | 312             | 952       | 7      | 1             | 31                                | 4            | 227                            |
| Louisiana.....                | 23                       | 32           | 127          | 29            | 12                               | 574             | 13,526    | 666    | 52            | 135                               | 15           | 954                            |
| Oklahoma.....                 | —                        | 25           | 140          | 109           | —                                | 642             | 1,157     | 50     | 12            | 71                                | 10           | 838                            |
| Texas.....                    | 28                       | 180          | 544          | 49            | 23                               | 1,803           | 6,550     | 714    | 39            | 370                               | 24           | 1,802                          |
| Mountain.....                 | 84                       | 5,785        | 1,455        | 640           | 20                               | 6,716           | 23,774    | 3,480  | 204           | 258                               | 193          | 1,207                          |
| Montana.....                  | 29                       | 2,700        | 641          | 197           | 1                                | 840             | 2,840     | 67     | 14            | 67                                | 43           | 166                            |
| Idaho.....                    | 9                        | 858          | 110          | 29            | 1                                | 414             | 1,153     | 1,086  | 18            | 12                                | 14           | 45                             |
| Wyoming.....                  | 10                       | 633          | 55           | 68            | 2                                | 888             | 1,653     | 119    | 23            | 18                                | 24           | 49                             |
| Colorado.....                 | 13                       | 583          | 450          | 271           | 9                                | 1,230           | 10,670    | 210    | 15            | 77                                | 35           | 281                            |
| New Mexico.....               | 6                        | 41           | 20           | 11            | —                                | 292             | 1,259     | 152    | 4             | 14                                | 2            | 193                            |
| Arizona.....                  | 12                       | 300          | 75           | 18            | 2                                | 356             | 822       | 473    | 21            | 24                                | 14           | 299                            |
| Utah.....                     | 3                        | 507          | 64           | 37            | 5                                | 2,197           | 2,814     | 274    | 8             | 36                                | 37           | 151                            |
| Nevada.....                   | 2                        | 183          | 20           | 9             | —                                | 499             | 2,563     | 1,099  | 121           | 8                                 | 24           | 23                             |
| Pacific.....                  | 692                      | 25,004       | 6,771        | 890           | 269                              | 17,131          | 122,251   | 13,793 | 22,910        | 1,402                             | 6,272        | 2,835                          |
| Washington.....               | 149                      | 11,002       | 787          | 287           | 76                               | 2,831           | 10,274    | 280    | 114           | 219                               | 113          | 294                            |
| Oregon.....                   | 107                      | 5,507        | 843          | 174           | 17                               | 1,575           | 4,728     | 497    | 101           | 61                                | 47           | 198                            |
| California.....               | 436                      | 8,495        | 5,141        | 460           | 167                              | 12,675          | 107,249   | 13,016 | 22,695        | 1,122                             | 6,112        | 2,343                          |

<sup>1</sup> Comprises Albania, Danzig, and "Europe, not specified."<sup>2</sup> Comprises Hejaz, India, China, Japan, and "Asia, not specified."

Source: Bureau of the Census, Department of Commerce.

## OF BIRTH, BY STATES 1930—Continued

| Asia—Con.              |                            | America |         |                        |             |        |                                      |                                    | Other countries |        |              | All other <sup>1</sup> | Division and State |
|------------------------|----------------------------|---------|---------|------------------------|-------------|--------|--------------------------------------|------------------------------------|-----------------|--------|--------------|------------------------|--------------------|
| Tur-<br>key in<br>Asia | Other<br>Asia <sup>2</sup> | Canada  |         | New-<br>found-<br>land | Mexi-<br>co | Cuba   | Other<br>West<br>Indies <sup>3</sup> | Central<br>and<br>South<br>America | Aus-<br>tralia  | Azores | Ice-<br>land |                        |                    |
|                        |                            | French  | Other   |                        |             |        |                                      |                                    |                 |        |              |                        |                    |
| 46,651                 | 15,401                     | 370,862 | 907,569 | 23,971                 | 23,743      | 15,944 | 15,482                               | 37,509                             | 12,720          | 35,427 | 2,764        | 22,725                 | U. S.              |
| 8,348                  | 1,294                      | 264,261 | 252,760 | 12,533                 | 145         | 350    | 1,037                                | 2,460                              | 597             | 22,272 | 73           | 3,235                  | N. E.              |
| 131                    | 35                         | 36,947  | 36,796  | 204                    | 4           | 11     | 45                                   | 31                                 | 20              | 5      | 2            | 100                    | Me.                |
| 259                    | 22                         | 37,682  | 13,277  | 228                    | 4           | 16     | 19                                   | 34                                 | 20              | 34     | 71           | 71                     | N. H.              |
| 17                     | 16                         | 17,320  | 9,862   | 101                    | 9           | 8      | 8                                    | 30                                 | 14              | 3      | 1            | 31                     | Vt.                |
| 6,124                  | 460                        | 115,241 | 172,810 | 10,986                 | 85          | 198    | 602                                  | 1,390                              | 369             | 18,562 | 61           | 2,422                  | Mass.              |
| 1,084                  | 92                         | 31,501  | 7,777   | 256                    | 12          | 14     | 128                                  | 352                                | 56              | 3,561  | 2            | 296                    | R. I.              |
| 738                    | 609                        | 26,570  | 12,238  | 758                    | 31          | 103    | 235                                  | 623                                | 118             | 107    | 7            | 315                    | Conn.              |
| 21,183                 | 4,409                      | 33,336  | 147,411 | 8,048                  | 3,551       | 7,099  | 9,884                                | 20,149                             | 2,626           | 198    | 166          | 6,484                  | M. A.              |
| 16,673                 | 3,163                      | 28,955  | 118,919 | 6,374                  | 2,744       | 6,058  | 8,372                                | 16,032                             | 1,659           | 138    | 114          | 4,551                  | N. Y.              |
| 2,353                  | 579                        | 2,470   | 14,051  | 932                    | 288         | 562    | 1,023                                | 2,415                              | 428             | 50     | 48           | 1,034                  | N. J.              |
| 2,157                  | 667                        | 1,911   | 14,441  | 740                    | 519         | 489    | 489                                  | 1,702                              | 539             | 10     | 4            | 899                    | Pa.                |
| 8,593                  | 4,362                      | 42,308  | 252,217 | 1,725                  | 2,905       | 689    | 571                                  | 3,310                              | 1,684           | 22     | 227          | 3,571                  | E. N. C.           |
| 1,826                  | 614                        | 2,606   | 24,241  | 217                    | 309         | 189    | 119                                  | 683                                | 307             | 2      | 6            | 660                    | Ohio.              |
| 207                    | 238                        | 682     | 5,519   | 60                     | 218         | 30     | 22                                   | 148                                | 98              | 3      | 3            | 178                    | Ind.               |
| 2,048                  | 2,411                      | 6,189   | 37,400  | 336                    | 1,430       | 287    | 207                                  | 1,483                              | 709             | 7      | 123          | 1,290                  | Ill.               |
| 3,564                  | 936                        | 28,539  | 173,777 | 975                    | 760         | 151    | 196                                  | 774                                | 445             | 8      | 32           | 976                    | Mich.              |
| 858                    | 113                        | 4,202   | 11,280  | 78                     | 188         | 32     | 27                                   | 222                                | 125             | 2      | 63           | 467                    | Wis.               |
| 507                    | 500                        | 10,531  | 52,323  | 185                    | 1,064       | 124    | 167                                  | 711                                | 470             | 5      | 1,045        | 1,323                  | W. N. C.           |
| 83                     | 159                        | 6,484   | 20,618  | 48                     | 115         | 13     | 14                                   | 114                                | 86              | 2      | 266          | 368                    | Minn.              |
| 67                     | 76                         | 608     | 5,725   | 42                     | 176         | 10     | 31                                   | 83                                 | 81              | 1      | 9            | 220                    | Iowa.              |
| 240                    | 96                         | 588     | 4,324   | 38                     | 359         | 66     | 78                                   | 247                                | 146             | -----  | 10           | 275                    | Mo.                |
| 38                     | 28                         | 1,354   | 10,887  | 11                     | 32          | 4      | 2                                    | 46                                 | 25              | -----  | 724          | 102                    | N. Dak.            |
| 28                     | 24                         | 492     | 2,859   | 8                      | 14          | 1      | 7                                    | 16                                 | 18              | -----  | 15           | 91                     | S. Dak.            |
| 28                     | 62                         | 436     | 3,942   | 34                     | 212         | 6      | 9                                    | 68                                 | 47              | 1      | 19           | 123                    | Nebr.              |
| 23                     | 55                         | 569     | 3,468   | 4                      | 156         | 24     | 16                                   | 137                                | 67              | 1      | 2            | 144                    | Kans.              |
| 1,547                  | 574                        | 2,055   | 15,384  | 301                    | 377         | 6,672  | 2,439                                | 1,804                              | 400             | 24     | 33           | 868                    | S. A.              |
| 21                     | 8                          | 61      | 399     | 8                      | 14          | 17     | 26                                   | 84                                 | 8               | -----  | 1            | 47                     | Del.               |
| 180                    | 68                         | 291     | 1,975   | 61                     | 40          | 105    | 121                                  | 279                                | 86              | 3      | 13           | 196                    | Md.                |
| 198                    | 64                         | 223     | 1,458   | 33                     | 61          | 80     | 49                                   | 231                                | 43              | 2      | 6            | 88                     | D. C.              |
| 230                    | 90                         | 157     | 1,460   | 27                     | 24          | 48     | 43                                   | 114                                | 53              | -----  | 7            | 81                     | Va.                |
| 309                    | 79                         | 118     | 839     | 15                     | 101         | 27     | 8                                    | 96                                 | 40              | 1      | -----        | 54                     | W. Va.             |
| 108                    | 61                         | 80      | 850     | 26                     | 11          | 24     | 14                                   | 30                                 | 22              | 1      | 1            | 57                     | N. C.              |
| 93                     | 34                         | 31      | 247     | 7                      | 6           | 15     | 15                                   | 12                                 | 4               | 1      | -----        | 25                     | S. C.              |
| 186                    | 37                         | 109     | 985     | 20                     | 21          | 69     | 32                                   | 70                                 | 30              | 4      | -----        | 60                     | Ga.                |
| 163                    | 133                        | 985     | 7,171   | 104                    | 99          | 6,287  | 2,131                                | 388                                | 114             | 12     | 5            | 258                    | Fla.               |
| 157                    | 105                        | 347     | 2,763   | 48                     | 138         | 100    | 180                                  | 262                                | 87              | -----  | 4            | 165                    | E. S. C.           |
| 48                     | 33                         | 96      | 822     | 21                     | 24          | 22     | 12                                   | 36                                 | 29              | -----  | -----        | 60                     | Ky.                |
| 30                     | 26                         | 92      | 847     | 12                     | 27          | 21     | 16                                   | 56                                 | 27              | -----  | 1            | 36                     | Tenn.              |
| 62                     | 26                         | 117     | 785     | 11                     | 43          | 46     | 130                                  | 92                                 | 19              | -----  | 3            | 45                     | Ala.               |
| 17                     | 20                         | 42      | 309     | 2                      | 44          | 11     | 22                                   | 78                                 | 12              | -----  | -----        | 24                     | Miss.              |
| 448                    | 267                        | 994     | 7,326   | 125                    | 4,455       | 382    | 327                                  | 1,443                              | 276             | 11     | 18           | 573                    | W. S. C.           |
| 18                     | 7                          | 77      | 618     | 39                     | 37          | 5      | 7                                    | 29                                 | 19              | -----  | -----        | 42                     | Ark.               |
| 117                    | 48                         | 222     | 759     | 18                     | 557         | 229    | 130                                  | 1,023                              | 45              | -----  | 1            | 125                    | La.                |
| 45                     | 51                         | 243     | 1,876   | 15                     | 169         | 15     | 21                                   | 71                                 | 46              | 3      | 1            | 92                     | Okla.              |
| 268                    | 161                        | 452     | 4,073   | 53                     | 3,692       | 133    | 169                                  | 320                                | 166             | 8      | 11           | 314                    | Tex.               |
| 288                    | 287                        | 3,678   | 23,302  | 134                    | 2,284       | 70     | 104                                  | 513                                | 618             | 153    | 137          | 839                    | Mt.                |
| 79                     | 47                         | 1,966   | 8,787   | 33                     | 88          | 3      | 19                                   | 65                                 | 71              | 5      | 18           | 109                    | Mont.              |
| 11                     | 17                         | 571     | 3,931   | 41                     | 68          | 8      | 4                                    | 30                                 | 53              | 27     | 12           | 107                    | Idaho.             |
| 13                     | 22                         | 118     | 1,018   | 3                      | 67          | 2      | 13                                   | 19                                 | 13              | 1      | 1            | 42                     | Wyo.               |
| 78                     | 73                         | 672     | 6,244   | 27                     | 336         | 28     | 33                                   | 213                                | 114             | 1      | 1            | 161                    | Colo.              |
| 8                      | 17                         | 62      | 551     | 6                      | 390         | 7      | 3                                    | 50                                 | 19              | 1      | -----        | 29                     | N. Mex.            |
| 29                     | 53                         | 158     | 1,860   | 15                     | 1,086       | 19     | 21                                   | 58                                 | 85              | 2      | 4            | 67                     | Ariz.              |
| 34                     | 22                         | 97      | 1,093   | 5                      | 177         | 3      | 4                                    | 38                                 | 215             | -----  | 97           | 274                    | Utah.              |
| 46                     | 16                         | 134     | 818     | 4                      | 72          | 5      | 7                                    | 40                                 | 46              | 116    | 6            | 50                     | Nev.               |
| 5,570                  | 3,623                      | 13,342  | 154,083 | 876                    | 8,824       | 458    | 783                                  | 7,857                              | 5,964           | 12,742 | 1,066        | 5,669                  | Pac.               |
| 646                    | 408                        | 4,340   | 43,724  | 250                    | 115         | 20     | 57                                   | 350                                | 533             | 15     | 741          | 685                    | Wash.              |
| 154                    | 149                        | 1,345   | 16,571  | 67                     | 61          | 11     | 32                                   | 151                                | 273             | 27     | 49           | 321                    | Oreg.              |
| 4,770                  | 3,066                      | 7,657   | 93,788  | 559                    | 8,648       | 427    | 694                                  | 6,856                              | 5,108           | 12,700 | 276          | 4,663                  | Calif.             |

<sup>3</sup> Except possessions of the United States.<sup>4</sup> Comprises Africa, Pacific Islands, Cape Verde islands, and other Atlantic islands, "Country not specified," and "At sea."

# 32 POPULATION—FOREIGN BORN WHITE BY MOTHER TONGUE

## No. 25.—MOTHER TONGUE OF THE FOREIGN-BORN WHITE POPULATION: CONTINENTAL UNITED STATES

NOTE.—Figures for 1920 have been adjusted by deducting from the total, and from Spanish mother tongue, the estimated number of persons who would have been classified as Mexican in 1920.

| Mother tongue       | Number     |            | Per cent distribution |       | Per cent of increase, 1920-1930 <sup>1</sup> | Male      |           | Female    |           |
|---------------------|------------|------------|-----------------------|-------|----------------------------------------------|-----------|-----------|-----------|-----------|
|                     | 1920       | 1930       | 1920                  | 1930  |                                              | 1920      | 1930      | 1920      | 1930      |
| Total               | 13,255,394 | 13,368,407 | 100.0                 | 100.0 | 0.8                                          | 7,269,191 | 7,163,709 | 5,986,203 | 6,212,698 |
| English and Celtic: | 3,007,932  | 3,097,021  | 22.7                  | 23.2  | 3.0                                          | 1,454,907 | 1,483,363 | 1,552,965 | 1,613,658 |
| Germanic:           |            |            |                       |       |                                              |           |           |           |           |
| German              | 2,267,128  | 2,188,006  | 17.1                  | 16.4  | -3.5                                         | 1,209,610 | 1,163,415 | 1,057,518 | 1,034,591 |
| Dutch               | 136,540    | 133,142    | 1.0                   | 1.0   | -2.5                                         | 78,243    | 77,400    | 58,207    | 55,733    |
| Flemish             | 46,686     | 42,293     | .3                    | .3    | -7.6                                         | 26,620    | 23,707    | 19,076    | 18,556    |
| Scandinavian:       |            |            |                       |       |                                              |           |           |           |           |
| Swedish             | 643,203    | 615,465    | 4.9                   | 4.6   | -4.3                                         | 354,830   | 344,403   | 288,373   | 271,002   |
| Norwegian           | 362,190    | 345,522    | 2.7                   | 2.6   | -4.6                                         | 201,778   | 195,131   | 160,421   | 150,391   |
| Danish              | 187,162    | 178,944    | 1.4                   | 1.3   | -4.4                                         | 113,160   | 109,650   | 74,012    | 69,394    |
| Icelandic           | 2,360      | 2,714      |                       |       | 14.6                                         | 1,161     | 1,339     | 1,208     | 1,375     |
| Latin and Greek:    |            |            |                       |       |                                              |           |           |           |           |
| Italian             | 1,024,998  | 1,808,289  | 12.3                  | 13.5  | 11.3                                         | 907,394   | 1,053,056 | 657,604   | 755,233   |
| French              | 466,950    | 523,207    | 3.5                   | 3.9   | 12.1                                         | 240,400   | 262,446   | 226,556   | 260,851   |
| Spanish             | 98,751     | 120,288    | .7                    | .9    | 27.9                                         | 55,864    | 80,358    | 32,887    | 45,920    |
| Portuguese          | 105,895    | 110,107    | .8                    | .8    | 4.1                                          | 60,279    | 64,306    | 45,616    | 45,891    |
| Rumanian            | 62,336     | 56,964     | .5                    | .4    | -8.6                                         | 38,841    | 33,111    | 23,495    | 23,853    |
| Greek               | 174,658    | 189,060    | 1.3                   | 1.4   | 8.2                                          | 142,477   | 138,780   | 32,181    | 50,286    |
| Slavic and Lettic:  |            |            |                       |       |                                              |           |           |           |           |
| Polish              | 1,077,392  | 995,899    | 8.1                   | 7.2   | -10.3                                        | 614,876   | 524,243   | 462,516   | 441,050   |
| Czech               | 234,664    | 201,138    | 1.8                   | 1.5   | -14.3                                        | 121,482   | 101,425   | 113,082   | 90,713    |
| Slovak              | 274,948    | 240,105    | 2.1                   | 1.8   | -12.6                                        | 100,617   | 126,357   | 114,331   | 110,839   |
| Russian             | 392,040    | 315,721    | 3.0                   | 2.4   | -19.5                                        | 232,168   | 181,215   | 159,881   | 134,506   |
| Ruthenian           | 55,672     | 0,800      |                       |       | 23.0                                         | 33,254    | 5,360     | 22,418    | 4,450     |
| Ukrainian           | 58,085     |            | .4                    |       |                                              | 32,312    |           | 26,373    |           |
| Slovenian           | 80,437     | 77,671     | .6                    | .6    | -3.4                                         | 50,781    | 46,989    | 26,650    | 30,682    |
| Croatian            | 85,176     | 79,802     | .6                    | .6    | -6.3                                         | 61,424    | 51,868    | 23,751    | 28,134    |
| Serbian             | 40,860     | 30,121     | .3                    | .2    | -25.9                                        | 26,080    | 21,076    | 11,583    | 9,045     |
| Bulgarian           | 12,853     | 12,128     | .1                    | .1    | -5.6                                         | 11,828    | 9,676     | 1,025     | 2,452     |
| Wendish             | 2,030      | 1,372      |                       |       | -32.7                                        | 1,061     | 672       | 978       | 700       |
| Lithuanian          |            | 166,053    |                       | 1.2   |                                              |           | 96,164    |           | 68,889    |
| Lettic              | 182,227    | 7,590      | 1.4                   | .1    | -5.3                                         | 112,557   | 4,383     | 69,670    | 3,207     |
| Unclassified:       |            |            |                       |       |                                              |           |           |           |           |
| Yiddish             | 1,091,820  | 1,222,658  | 8.2                   | 9.1   | 12.0                                         | 670,030   | 621,809   | 521,790   | 600,849   |
| Magyar              | 290,410    | 250,393    | 2.2                   | 1.9   | -13.8                                        | 161,140   | 129,775   | 126,279   | 120,613   |
| Finnish             | 132,543    | 124,964    | 1.0                   | .9    | -5.7                                         | 76,588    | 67,796    | 56,955    | 57,198    |
| Estonian            | 1,024      | 2,809      |                       | 174.3 |                                              | 742       | 1,920     | 282       | 889       |
| Armenian            | 37,047     | 51,741     | .3                    | .4    | 37.4                                         | 26,023    | 30,205    | 11,624    | 21,446    |
| Arabic              | 57,557     | 67,830     | .4                    | .5    | 17.8                                         | 35,492    | 39,978    | 22,065    | 27,852    |
| Turkish             | 6,627      | 10,457     |                       | 57.8  |                                              | 5,253     | 6,911     | 1,374     | 3,546     |
| Albanian            | 5,515      | 7,586      |                       | 37.6  |                                              | 4,818     | 5,604     | 697       | 1,982     |
| All other           | 1,228      | 3,352      |                       | 173.0 |                                              | 909       | 2,369     | 319       | 953       |
| Unknown             | 7,166      | 42,233     | .1                    | .3    | 489.4                                        | 4,448     | 22,348    | 2,718     | 19,886    |

<sup>1</sup> A minus sign (-) denotes a decrease.

<sup>2</sup> Corrected figures.

<sup>3</sup> Reported as "Slavic, not specified" in 1920 but practically all Wendish.

Source: Bureau of the Census, Department of Commerce.

**No. 26.—CITIZENSHIP OF FOREIGN-BORN WHITES, 21 YEARS AND OVER:  
By Principal Countries of Birth, Continental United States, 1930**

NOTE.—Figures for 1920 have been adjusted by deducting from the total the estimated number of persons who would have been classified as Mexican in 1930

| Country of birth               | Male                      |             |          |                     |           | Female                    |             |          |                     |           |
|--------------------------------|---------------------------|-------------|----------|---------------------|-----------|---------------------------|-------------|----------|---------------------|-----------|
|                                | Total 21 years and over 1 | Naturalized |          | Having first papers | Aliens    | Total 21 years and over 1 | Naturalized |          | Having first papers | Aliens    |
|                                |                           | Number      | Per cent |                     |           |                           | Number      | Per cent |                     |           |
| 1920, total.....               | 6,747,394                 | 3,308,924   | 49.0     | 1,114,482           | 1,973,918 | 5,445,935                 | 2,883,092   | 52.9     | 77,301              | 3,118,198 |
| 1930, total.....               | 6,787,494                 | 4,217,578   | 62.0     | 926,454             | 1,435,309 | 5,840,149                 | 3,409,860   | 58.4     | 391,982             | 1,907,528 |
| <b>EUROPE</b>                  |                           |             |          |                     |           |                           |             |          |                     |           |
| <b>Northwestern Europe:</b>    |                           |             |          |                     |           |                           |             |          |                     |           |
| England.....                   | 391,638                   | 272,568     | 69.6     | 46,307              | 55,671    | 376,303                   | 255,542     | 67.9     | 18,871              | 84,708    |
| Scotland.....                  | 163,588                   | 96,710      | 59.1     | 31,052              | 23,992    | 154,249                   | 84,019      | 54.5     | 11,559              | 52,398    |
| Wales.....                     | 30,646                    | 23,156      | 75.6     | 2,052               | 3,127     | 26,530                    | 20,488      | 77.2     | 953                 | 3,793     |
| Northern Ireland.....          | 78,114                    | 56,247      | 72.0     | 9,046               | 9,366     | 93,971                    | 63,806      | 67.9     | 4,703               | 20,677    |
| Irish Free State.....          | 316,731                   | 222,642     | 70.3     | 39,530              | 38,017    | 404,515                   | 266,098     | 65.8     | 23,655              | 89,539    |
| Norway.....                    | 191,248                   | 135,482     | 70.8     | 23,298              | 26,173    | 147,020                   | 108,430     | 73.8     | 6,234               | 26,814    |
| Sweden.....                    | 326,063                   | 235,680     | 72.1     | 39,475              | 41,881    | 265,443                   | 192,445     | 75.7     | 10,480              | 43,210    |
| Denmark.....                   | 107,423                   | 80,911      | 75.3     | 12,267              | 10,808    | 67,160                    | 51,896      | 77.3     | 2,975               | 9,947     |
| Iceland.....                   | 1,358                     | 939         | 69.1     | 188                 | 179       | 1,351                     | 935         | 69.2     | 64                  | 291       |
| Netherlands.....               | 73,288                    | 50,305      | 68.6     | 9,332               | 11,307    | 51,629                    | 35,673      | 69.1     | 2,379               | 11,857    |
| Belgium.....                   | 33,260                    | 22,789      | 68.5     | 4,877               | 4,569     | 26,887                    | 17,267      | 64.2     | 1,864               | 6,846     |
| Luxemburg.....                 | 5,383                     | 4,452       | 82.7     | 386                 | 351       | 3,509                     | 2,761       | 78.7     | 158                 | 435       |
| Switzerland.....               | 62,951                    | 42,521      | 67.5     | 7,843               | 10,052    | 46,530                    | 32,447      | 69.7     | 2,405               | 9,408     |
| France.....                    | 63,246                    | 41,637      | 65.8     | 6,689               | 12,258    | 66,034                    | 41,644      | 63.1     | 3,053               | 13,268    |
| <b>Central Europe:</b>         |                           |             |          |                     |           |                           |             |          |                     |           |
| Germany.....                   | 812,294                   | 588,295     | 72.3     | 108,098             | 87,698    | 734,959                   | 534,407     | 72.7     | 46,037              | 121,894   |
| Poland.....                    | 656,348                   | 363,922     | 55.4     | 110,597             | 169,498   | 560,282                   | 252,427     | 45.1     | 30,238              | 264,097   |
| Czechoslovakia.....            | 246,793                   | 159,915     | 64.8     | 33,703              | 47,975    | 226,989                   | 134,209     | 59.1     | 10,229              | 75,893    |
| Austria.....                   | 188,070                   | 125,143     | 66.5     | 22,955              | 33,232    | 171,222                   | 102,916     | 60.1     | 8,507               | 52,819    |
| Hungary.....                   | 132,697                   | 80,138      | 60.9     | 22,025              | 28,294    | 128,130                   | 67,012      | 52.3     | 7,788               | 49,188    |
| Yugoslavia.....                | 126,732                   | 60,234      | 47.5     | 24,640              | 39,562    | 75,706                    | 33,747      | 44.6     | 4,404               | 35,557    |
| <b>Eastern Europe:</b>         |                           |             |          |                     |           |                           |             |          |                     |           |
| Russia.....                    | 589,005                   | 398,920     | 67.7     | 67,378              | 107,518   | 514,490                   | 295,915     | 57.5     | 22,671              | 178,318   |
| Latvia.....                    | 10,687                    | 7,132       | 66.7     | 1,559               | 1,773     | 9,187                     | 5,132       | 55.9     | 584                 | 3,214     |
| Estonia.....                   | 2,292                     | 1,052       | 45.9     | 661                 | 531       | 1,078                     | 419         | 38.9     | 174                 | 444       |
| Lithuania.....                 | 109,223                   | 55,780      | 51.1     | 13,511              | 32,631    | 80,821                    | 34,826      | 43.1     | 4,081               | 39,013    |
| Finland.....                   | 76,331                    | 38,033      | 50.5     | 12,204              | 23,323    | 63,551                    | 33,549      | 52.8     | 3,306               | 24,955    |
| Rumania.....                   | 76,241                    | 49,298      | 65.5     | 11,751              | 12,767    | 64,068                    | 35,832      | 55.9     | 3,556               | 22,871    |
| Bulgaria.....                  | 7,346                     | 2,813       | 38.3     | 1,896               | 1,615     | 617                       | 138         | 22.2     | 180                 | 821       |
| Turkey in Europe.....          | 1,179                     | 655         | 55.6     | 234                 | 260       | 874                       | 293         | 33.5     | 54                  | 500       |
| <b>Southern Europe:</b>        |                           |             |          |                     |           |                           |             |          |                     |           |
| Greece.....                    | 126,619                   | 62,649      | 49.9     | 22,701              | 36,516    | 41,717                    | 12,825      | 30.7     | 2,158               | 25,340    |
| Albania.....                   | 6,146                     | 2,227       | 36.2     | 1,386               | 2,399     | 1,913                     | 300         | 15.7     | 98                  | 1,410     |
| Italy.....                     | 986,631                   | 545,729     | 55.3     | 119,191             | 299,015   | 693,177                   | 303,114     | 43.7     | 21,840              | 347,291   |
| Spain.....                     | 40,250                    | 7,554       | 18.8     | 6,098               | 25,408    | 14,715                    | 2,986       | 20.3     | 649                 | 10,516    |
| Portugal.....                  | 40,264                    | 8,129       | 20.2     | 4,237               | 26,872    | 25,728                    | 4,602       | 17.9     | 581                 | 19,631    |
| Other Europe.....              | 9,086                     | 4,289       | 47.2     | 1,812               | 2,358     | 6,993                     | 3,165       | 45.3     | 239                 | 2,102     |
| <b>ASIA</b>                    |                           |             |          |                     |           |                           |             |          |                     |           |
| Armenia.....                   | 18,240                    | 10,106      | 55.4     | 3,048               | 4,702     | 11,909                    | 4,327       | 36.3     | 604                 | 6,679     |
| Palestine.....                 | 3,106                     | 1,907       | 61.4     | 488                 | 596       | 1,081                     | 1,083       | 54.7     | 124                 | 684       |
| Syria.....                     | 30,094                    | 17,997      | 59.8     | 4,707               | 7,449     | 23,131                    | 9,876       | 42.7     | 1,032               | 11,356    |
| Turkey in Asia.....            | 26,525                    | 14,582      | 55.0     | 4,709               | 6,651     | 18,809                    | 5,701       | 30.3     | 994                 | 9,586     |
| Other Asia.....                | 8,658                     | 3,533       | 40.8     | 1,751               | 3,016     | 4,395                     | 2,038       | 46.4     | 339                 | 1,789     |
| <b>AMERICA</b>                 |                           |             |          |                     |           |                           |             |          |                     |           |
| Canada—French.....             | 167,493                   | 86,019      | 51.4     | 22,209              | 53,572    | 161,660                   | 81,177      | 50.2     | 6,633               | 67,570    |
| Canada—Other.....              | 364,192                   | 204,047     | 56.0     | 63,096              | 84,451    | 409,098                   | 245,777     | 60.1     | 21,993              | 116,894   |
| Newfoundland.....              | 10,177                    | 4,239       | 41.7     | 2,256               | 3,268     | 10,614                    | 4,504       | 41.3     | 832                 | 4,965     |
| Cuba.....                      | 7,734                     | 1,681       | 21.7     | 562                 | 4,844     | 5,157                     | 1,386       | 26.9     | 92                  | 3,300     |
| Other West Indies 2.....       | 6,971                     | 3,642       | 52.2     | 936                 | 1,915     | 7,042                     | 3,024       | 42.9     | 458                 | 2,888     |
| Mexico.....                    | 10,471                    | 2,067       | 19.6     | 794                 | 6,685     | 8,672                     | 2,732       | 31.5     | 229                 | 4,940     |
| Central and South America..... | 18,052                    | 5,369       | 29.7     | 3,128               | 8,563     | 11,989                    | 3,899       | 32.5     | 595                 | 6,611     |
| <b>OTHER COUNTRIES</b>         |                           |             |          |                     |           |                           |             |          |                     |           |
| Africa.....                    | 3,771                     | 2,040       | 54.1     | 640                 | 875       | 2,851                     | 1,520       | 53.3     | 187                 | 964       |
| Australia.....                 | 6,257                     | 3,770       | 60.3     | 807                 | 1,285     | 5,925                     | 3,488       | 58.9     | 260                 | 1,494     |
| Azores.....                    | 18,201                    | 5,070       | 27.9     | 1,791               | 10,764    | 15,610                    | 3,394       | 21.7     | 416                 | 11,215    |
| Other Atlantic Is. 3.....      | 2,241                     | 789         | 35.2     | 324                 | 1,005     | 1,539                     | 562         | 36.6     | 62                  | 813       |
| Pacific Islands.....           | 2,104                     | 1,179       | 56.0     | 310                 | 468       | 1,795                     | 1,056       | 58.8     | 109                 | 508       |
| All other 4.....               | 3,406                     | 1,635       | 48.0     | 119                 | 310       | 2,516                     | 1,513       | 60.1     | 37                  | 251       |

1 Totals include persons whose citizenship was not reported.

2 Except possessions of the United States.

3 Includes Cape Verde Islands.

4 Includes country not specified and born at sea.

Source: Bureau of the Census, Department of Commerce.



## No. 27.—PERSONS 21 YEARS OF AGE AND OVER, BY CLASSES AND

| Division and State         | Persons 21 years of age and over |            |            |              |            |                  |            |
|----------------------------|----------------------------------|------------|------------|--------------|------------|------------------|------------|
|                            | All classes                      |            |            | Native white |            |                  |            |
|                            | Total                            | Male       | Female     | Total        |            | Native parentage |            |
|                            |                                  |            |            | Male         | Female     | Male             | Female     |
| Continental United States. | 72,943,624                       | 37,056,757 | 35,886,867 | 26,418,580   | 26,345,811 | 19,267,937       | 18,858,829 |
| New England.....           | 5,096,074                        | 2,481,494  | 2,613,580  | 1,598,813    | 1,712,944  | 882,280          | 920,380    |
| Maine.....                 | 487,125                          | 244,320    | 242,805    | 197,844      | 197,046    | 153,680          | 151,979    |
| New Hampshire.....         | 204,055                          | 145,551    | 148,504    | 106,610      | 109,812    | 71,516           | 72,236     |
| Vermont.....               | 220,428                          | 112,374    | 108,054    | 92,231       | 90,440     | 68,022           | 66,947     |
| Massachusetts.....         | 2,686,487                        | 1,287,070  | 1,398,517  | 787,045      | 868,395    | 384,681          | 414,903    |
| Rhode Island.....          | 421,197                          | 202,029    | 219,168    | 120,480      | 133,611    | 54,150           | 57,644     |
| Connecticut.....           | 985,782                          | 489,050    | 496,532    | 291,803      | 313,340    | 149,303          | 156,071    |
| Middle Atlantic.....       | 16,311,742                       | 8,189,633  | 8,122,209  | 5,204,885    | 5,423,526  | 3,217,491        | 3,279,168  |
| New York.....              | 8,142,851                        | 4,078,340  | 4,064,511  | 2,360,659    | 2,480,405  | 1,284,253        | 1,306,160  |
| New Jersey.....            | 2,512,112                        | 1,261,298  | 1,250,814  | 773,669      | 807,451    | 442,163          | 450,191    |
| Pennsylvania.....          | 5,656,779                        | 2,849,895  | 2,806,884  | 2,064,557    | 2,135,670  | 1,491,075        | 1,522,811  |
| East North Central.....    | 15,665,285                       | 8,057,827  | 7,607,458  | 6,013,332    | 5,948,388  | 4,032,743        | 3,899,207  |
| Ohio.....                  | 4,132,251                        | 2,095,788  | 2,030,463  | 1,651,202    | 1,607,026  | 1,201,525        | 1,247,008  |
| Indiana.....               | 2,003,010                        | 1,016,313  | 986,706    | 898,602      | 894,572    | 709,727          | 700,552    |
| Illinois.....              | 4,841,766                        | 2,499,993  | 2,371,775  | 1,707,070    | 1,723,009  | 1,038,559        | 1,014,202  |
| Michigan.....              | 2,939,409                        | 1,558,021  | 1,381,388  | 1,055,413    | 983,707    | 648,349          | 681,925    |
| Wisconsin.....             | 1,768,818                        | 917,712    | 851,106    | 701,045      | 680,024    | 314,588          | 295,400    |
| West North Central.....    | 8,000,433                        | 4,104,381  | 3,896,073  | 3,338,937    | 3,315,275  | 2,229,203        | 2,181,506  |
| Minnesota.....             | 1,537,983                        | 797,960    | 740,023    | 577,121      | 568,332    | 227,425          | 215,765    |
| Iowa.....                  | 1,506,129                        | 765,863    | 740,206    | 668,246      | 662,304    | 443,975          | 435,426    |
| Missouri.....              | 2,269,667                        | 1,137,503  | 1,132,154  | 980,255      | 991,121    | 802,602          | 797,097    |
| North Dakota.....          | 368,182                          | 196,023    | 162,154    | 134,564      | 116,807    | 47,998           | 40,420     |
| South Dakota.....          | 385,908                          | 207,413    | 178,395    | 104,395      | 145,621    | 38,978           | 73,135     |
| Nebraska.....              | 812,450                          | 410,139    | 393,311    | 349,159      | 336,300    | 216,777          | 207,300    |
| Kansas.....                | 1,130,224                        | 580,455    | 549,700    | 513,197      | 404,730    | 406,448          | 392,422    |
| South Atlantic.....        | 8,415,339                        | 4,133,589  | 4,281,771  | 2,941,035    | 2,964,483  | 2,753,634        | 2,768,881  |
| Delaware.....              | 148,792                          | 76,058     | 72,734     | 50,450       | 50,235     | 48,222           | 47,452     |
| Maryland.....              | 905,928                          | 500,549    | 496,370    | 366,686      | 374,862    | 300,543          | 302,820    |
| District of Columbia.....  | 341,466                          | 160,809    | 180,656    | 103,713      | 120,223    | 84,181           | 96,690     |
| Virginia.....              | 1,300,893                        | 650,357    | 650,536    | 474,888      | 473,819    | 466,802          | 457,435    |
| West Virginia.....         | 900,987                          | 471,779    | 429,208    | 402,416      | 382,477    | 381,014          | 361,021    |
| North Carolina.....        | 1,542,125                        | 753,445    | 788,680    | 549,343      | 558,368    | 544,681          | 552,915    |
| South Carolina.....        | 819,384                          | 395,234    | 424,150    | 232,780      | 237,315    | 228,570          | 232,043    |
| Georgia.....               | 1,468,667                        | 731,400    | 767,077    | 474,735      | 482,159    | 404,741          | 471,645    |
| Florida.....               | 866,198                          | 438,847    | 427,351    | 280,017      | 279,027    | 249,815          | 245,960    |
| East South Central.....    | 5,230,526                        | 2,603,304  | 2,618,222  | 1,884,478    | 1,876,167  | 1,814,238        | 1,797,376  |
| Kentucky.....              | 1,422,434                        | 718,286    | 704,148    | 636,107      | 625,417    | 597,408          | 581,238    |
| Tennessee.....             | 1,418,144                        | 701,194    | 716,950    | 562,170      | 571,321    | 548,620          | 550,542    |
| Alabama.....               | 1,348,401                        | 666,742    | 681,659    | 427,670      | 425,358    | 415,719          | 412,684    |
| Mississippi.....           | 1,031,547                        | 516,082    | 515,465    | 250,441      | 254,071    | 252,451          | 247,082    |
| West South Central.....    | 5,611,094                        | 3,391,930  | 3,219,184  | 2,497,546    | 2,353,497  | 2,278,927        | 2,149,399  |
| Arkansas.....              | 968,231                          | 494,949    | 473,282    | 350,862      | 340,606    | 346,077          | 328,216    |
| Louisiana.....             | 1,134,852                        | 666,908    | 567,944    | 341,731      | 340,854    | 306,530          | 299,897    |
| Oklahoma.....              | 1,287,131                        | 673,398    | 613,733    | 586,864      | 535,781    | 546,316          | 499,358    |
| Texas.....                 | 3,220,580                        | 1,656,675  | 1,564,205  | 1,199,889    | 1,136,166  | 1,080,004        | 1,021,821  |
| Mountain.....              | 2,108,221                        | 1,142,751  | 965,470    | 866,877      | 769,230    | 628,341          | 548,309    |
| Montana.....               | 318,611                          | 181,494    | 137,117    | 131,757      | 105,511    | 80,613           | 62,638     |
| Idaho.....                 | 246,770                          | 138,212    | 110,598    | 115,088      | 98,072     | 83,006           | 70,667     |
| Wyoming.....               | 132,954                          | 77,205     | 55,749     | 60,648       | 46,890     | 45,284           | 33,901     |
| Colorado.....              | 623,523                          | 323,224    | 300,209    | 255,941      | 248,348    | 191,146          | 182,227    |
| New Mexico.....            | 216,958                          | 115,667    | 101,289    | 88,476       | 79,217     | 81,708           | 72,707     |
| Arizona.....               | 244,115                          | 134,401    | 109,714    | 79,927       | 68,793     | 66,128           | 54,440     |
| Utah.....                  | 264,498                          | 136,960    | 127,538    | 110,074      | 105,789    | 63,541           | 60,242     |
| Nevada.....                | 60,794                           | 37,588     | 23,206     | 25,060       | 17,640     | 16,915           | 11,487     |
| Pacific.....               | 5,495,980                        | 2,802,999  | 2,592,941  | 2,036,484    | 1,980,351  | 1,416,038        | 1,334,661  |
| Washington.....            | 1,010,167                        | 545,410    | 464,757    | 394,969      | 302,415    | 264,735          | 236,039    |
| Oregon.....                | 621,375                          | 331,805    | 289,570    | 265,741      | 246,006    | 196,171          | 177,899    |
| California.....            | 3,864,388                        | 2,025,774  | 1,838,614  | 1,375,774    | 1,371,930  | 955,130          | 921,223    |

Source: Bureau of the Census, Department of Commerce.

## SEX, AND MALES 18 TO 44 YEARS OF AGE: BY STATES, 1930

| Persons 21 years of age and over—Continued |           |                    |           |           |           |           |         |            |          | Males<br>18 to 44<br>years of<br>age | Division<br>and State |
|--------------------------------------------|-----------|--------------------|-----------|-----------|-----------|-----------|---------|------------|----------|--------------------------------------|-----------------------|
| Native white—Con.                          |           | Foreign-born white |           | Negro     |           | All other |         | 25,859,207 | U. S.    |                                      |                       |
| Foreign or mixed<br>parentage              |           | Male               | Female    | Male      | Female    | Male      | Female  |            |          |                                      |                       |
| Male                                       | Female    |                    |           |           |           |           |         |            |          |                                      |                       |
| 7,180,843                                  | 7,484,982 | 6,797,494          | 5,840,149 | 3,235,441 | 3,296,498 | 605,242   | 406,409 |            |          |                                      |                       |
| 714,344                                    | 792,584   | 851,225            | 870,488   | 29,595    | 29,175    | 4,061     | 979     | 1,622,348  | N. E.    |                                      |                       |
| 44,155                                     | 45,067    | 45,712             | 45,179    | 391       | 322       | 373       | 253     | 145,948    | Me.      |                                      |                       |
| 36,096                                     | 37,576    | 38,467             | 38,512    | 409       | 157       | 75        | 23      | 86,184     | N. H.    |                                      |                       |
| 23,309                                     | 23,493    | 19,906             | 17,481    | 107       | 122       | 40        | 11      | 68,317     | Vt.      |                                      |                       |
| 402,964                                    | 453,492   | 481,255            | 513,166   | 16,408    | 16,492    | 2,664     | 474     | 851,432    | Mass.    |                                      |                       |
| 66,321                                     | 76,267    | 78,324             | 82,124    | 2,937     | 3,015     | 288       | 118     | 136,208    | R. I.    |                                      |                       |
| 142,500                                    | 156,669   | 187,571            | 174,087   | 9,255     | 9,067     | 621       | 88      | 334,187    | Conn.    |                                      |                       |
| 1,987,394                                  | 2,144,398 | 2,612,347          | 2,347,969 | 350,152   | 348,165   | 22,149    | 4,549   | 5,779,072  | M. A.    |                                      |                       |
| 1,082,406                                  | 1,174,249 | 1,550,419          | 1,433,682 | 140,078   | 146,988   | 16,184    | 3,436   | 2,894,167  | N. Y.    |                                      |                       |
| 331,506                                    | 367,290   | 419,593            | 376,929   | 65,750    | 66,146    | 2,285     | 288     | 893,090    | N. J.    |                                      |                       |
| 573,482                                    | 612,859   | 686,335            | 537,358   | 144,324   | 133,031   | 4,679     | 525     | 1,980,325  | Pa.      |                                      |                       |
| 1,980,584                                  | 2,049,131 | 1,679,021          | 1,368,856 | 325,519   | 295,717   | 39,855    | 14,527  | 5,627,666  | E. N. C. |                                      |                       |
| 389,677                                    | 419,968   | 335,484            | 275,065   | 106,736   | 93,556    | 3,366     | 817     | 1,414,197  | Ohio.    |                                      |                       |
| 128,876                                    | 134,020   | 73,845             | 55,189    | 35,250    | 35,392    | 5,616     | 1,553   | 656,223    | Ind.     |                                      |                       |
| 668,511                                    | 708,747   | 630,727            | 531,973   | 116,261   | 111,431   | 16,935    | 5,362   | 1,722,265  | Ill.     |                                      |                       |
| 407,064                                    | 401,782   | 430,934            | 341,492   | 62,139    | 52,207    | 9,535     | 3,982   | 1,116,699  | Mich.    |                                      |                       |
| 380,457                                    | 384,024   | 208,081            | 165,137   | 4,133     | 3,132     | 4,503     | 2,813   | 618,279    | Wis.     |                                      |                       |
| 1,157,734                                  | 1,153,710 | 577,050            | 454,477   | 113,497   | 108,278   | 38,877    | 18,042  | 2,719,748  | W. N. C. |                                      |                       |
| 349,696                                    | 352,567   | 212,901            | 165,459   | 3,690     | 3,115     | 4,158     | 3,117   | 633,059    | Minn.    |                                      |                       |
| 224,271                                    | 226,938   | 90,927             | 71,685    | 6,010     | 5,520     | 1,580     | 897     | 491,185    | Iowa.    |                                      |                       |
| 177,653                                    | 184,024   | 78,726             | 55,350    | 75,937    | 74,520    | 2,585     | 1,163   | 742,406    | Mo.      |                                      |                       |
| 86,566                                     | 76,387    | 58,925             | 43,383    | 177       | 161       | 2,362     | 1,863   | 139,768    | N. Dak.  |                                      |                       |
| 80,417                                     | 72,486    | 36,886             | 23,288    | 239       | 181       | 5,305     | 5,305   | 145,191    | S. Dak.  |                                      |                       |
| 132,382                                    | 129,000   | 61,942             | 50,502    | 4,967     | 4,654     | 3,071     | 1,955   | 286,346    | Nebr.    |                                      |                       |
| 106,749                                    | 102,308   | 37,553             | 30,810    | 22,477    | 20,487    | 7,228     | 3,742   | 381,713    | Kans.    |                                      |                       |
| 182,394                                    | 195,602   | 162,775            | 126,494   | 1,073,369 | 1,138,675 | 6,399     | 4,199   | 3,085,873  | S. A.    |                                      |                       |
| 8,228                                      | 8,788     | 8,874              | 7,223     | 10,699    | 9,270     | 65        | 6       | 50,729     | Del.     |                                      |                       |
| 66,138                                     | 72,042    | 48,319             | 42,859    | 84,831    | 78,583    | 663       | 75      | 350,637    | Md.      |                                      |                       |
| 19,532                                     | 23,533    | 14,970             | 13,525    | 41,594    | 46,804    | 542       | 104     | 113,076    | D. C.    |                                      |                       |
| 17,626                                     | 16,384    | 13,137             | 9,608     | 162,285   | 166,935   | 647       | 174     | 467,063    | Va.      |                                      |                       |
| 21,402                                     | 21,466    | 31,425             | 17,263    | 37,731    | 29,424    | 207       | 44      | 346,088    | W. Va.   |                                      |                       |
| 5,162                                      | 5,451     | 4,833              | 3,457     | 200,355   | 218,620   | 3,414     | 3,237   | 687,665    | N. C.    |                                      |                       |
| 4,210                                      | 4,372     | 2,996              | 2,026     | 159,190   | 184,598   | 268       | 211     | 309,681    | S. C.    |                                      |                       |
| 9,094                                      | 10,514    | 7,859              | 5,405     | 248,683   | 279,404   | 213       | 49      | 552,234    | Ge.      |                                      |                       |
| 30,202                                     | 33,067    | 30,362             | 25,058    | 127,988   | 123,037   | 480       | 229     | 308,700    | Fla.     |                                      |                       |
| 70,190                                     | 78,781    | 32,297             | 23,280    | 654,048   | 718,007   | 1,481     | 768     | 1,876,659  | E. S. C. |                                      |                       |
| 37,699                                     | 44,179    | 11,977             | 9,219     | 71,020    | 69,483    | 12        | 29      | 497,096    | Ky.      |                                      |                       |
| 13,650                                     | 14,779    | 7,116              | 5,380     | 131,778   | 140,198   | 132       | 51      | 604,707    | Tenn.    |                                      |                       |
| 11,651                                     | 12,774    | 8,999              | 6,139     | 229,903   | 250,047   | 170       | 118     | 491,568    | Ala.     |                                      |                       |
| 6,990                                      | 7,059     | 4,205              | 2,546     | 251,349   | 268,279   | 1,087     | 570     | 383,288    | Miss.    |                                      |                       |
| 208,919                                    | 204,205   | 94,543             | 70,087    | 614,877   | 621,099   | 194,664   | 174,451 | 2,548,815  | W. S. C. |                                      |                       |
| 13,785                                     | 12,480    | 5,900              | 4,051     | 128,795   | 128,335   | 392       | 200     | 356,330    | Ark.     |                                      |                       |
| 35,201                                     | 40,067    | 19,819             | 13,952    | 203,259   | 211,788   | 2,099     | 1,350   | 432,006    | La.      |                                      |                       |
| 40,548                                     | 36,423    | 15,178             | 10,852    | 48,364    | 45,798    | 22,992    | 21,302  | 600,673    | Okla.    |                                      |                       |
| 119,385                                    | 114,345   | 63,646             | 41,232    | 234,459   | 236,178   | 169,181   | 151,629 | 1,257,606  | Tex.     |                                      |                       |
| 238,088                                    | 220,921   | 184,172            | 112,292   | 11,888    | 9,545     | 69,718    | 74,473  | 790,317    | Mont.    |                                      |                       |
| 51,144                                     | 43,873    | 43,218             | 26,435    | 559       | 402       | 5,960     | 3,766   | 118,622    | Idaho.   |                                      |                       |
| 32,082                                     | 27,405    | 18,283             | 10,901    | 310       | 208       | 2,531     | 1,377   | 91,213     | Wyo.     |                                      |                       |
| 15,394                                     | 12,989    | 12,028             | 8,817     | 660       | 402       | 3,969     | 1,640   | 56,445     | Colo.    |                                      |                       |
| 64,795                                     | 66,121    | 46,667             | 36,098    | 4,189     | 4,381     | 16,427    | 11,477  | 213,703    | N. Mex.  |                                      |                       |
| 6,768                                      | 6,510     | 4,641              | 2,898     | 981       | 787       | 21,569    | 18,387  | 85,233     | Ariz.    |                                      |                       |
| 13,790                                     | 12,323    | 8,984              | 5,811     | 4,501     | 2,816     | 40,899    | 34,324  | 99,788     | Utah.    |                                      |                       |
| 46,533                                     | 45,647    | 21,973             | 19,743    | 454       | 352       | 4,459     | 1,654   | 101,730    | Nev.     |                                      |                       |
| 8,151                                      | 6,163     | 8,378              | 3,521     | 242       | 197       | 3,902     | 1,848   | 23,583     |          |                                      |                       |
| 620,443                                    | 645,690   | 694,094            | 466,285   | 32,501    | 31,837    | 209,940   | 114,468 | 1,890,908  | Pac.     |                                      |                       |
| 130,234                                    | 126,376   | 124,568            | 93,695    | 2,895     | 2,166     | 12,978    | 6,481   | 345,137    | Wash.    |                                      |                       |
| 69,670                                     | 68,607    | 59,004             | 40,260    | 978       | 739       | 6,082     | 2,565   | 260,921    | Oreg.    |                                      |                       |
| 420,644                                    | 450,707   | 430,492            | 332,330   | 28,628    | 28,982    | 190,880   | 105,422 | 1,338,550  | Calif.   |                                      |                       |

## No. 28.—AGE DISTRIBUTION OF

Note.—For totals for all ages see Table 6. For age distri

|    | Division and State      | Under<br>5 years | 5 to 9<br>years | 10 to 14<br>years | 15 to 19<br>years | 20 to 24<br>years | 25 to 29<br>years | 30 to 34<br>years | 35 to 39<br>years |
|----|-------------------------|------------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1  | Continental U. S.....   | 11,444,390       | 12,607,609      | 12,004,877        | 11,562,115        | 10,870,379        | 9,833,608         | 9,120,421         | 9,208,845         |
| 2  | New England.....        | 689,782          | 788,842         | 761,595           | 716,562           | 657,383           | 605,870           | 601,804           | 628,368           |
| 3  | Maine.....              | 75,037           | 79,727          | 74,061            | 68,683            | 60,575            | 53,110            | 52,613            | 52,853            |
| 4  | New Hampshire.....      | 39,350           | 43,543          | 42,028            | 38,822            | 34,867            | 31,562            | 31,759            | 32,472            |
| 5  | Vermont.....            | 32,232           | 34,705          | 33,718            | 31,371            | 27,820            | 24,590            | 23,415            | 23,782            |
| 6  | Massachusetts.....      | 340,640          | 390,657         | 387,003           | 369,149           | 345,673           | 324,135           | 321,499           | 335,441           |
| 7  | Rhode Island.....       | 50,624           | 67,620          | 64,744            | 62,414            | 56,677            | 61,690            | 51,374            | 52,099            |
| 8  | Connecticut.....        | 132,399          | 152,530         | 160,040           | 148,123           | 131,862           | 120,733           | 121,144           | 129,721           |
| 9  | Middle Atlantic.....    | 2,214,805        | 2,470,204       | 2,447,292         | 2,354,218         | 2,303,339         | 2,187,974         | 2,115,881         | 2,133,190         |
| 10 | New York.....           | 980,294          | 1,084,839       | 1,078,186         | 1,071,313         | 1,139,029         | 1,122,879         | 1,081,129         | 1,072,385         |
| 11 | New Jersey.....         | 320,668          | 380,918         | 384,342           | 364,399           | 350,402           | 332,810           | 331,332           | 338,222           |
| 12 | Pennsylvania.....       | 806,842          | 1,004,447       | 984,764           | 918,507           | 813,908           | 732,285           | 703,420           | 722,583           |
| 13 | East North Central..... | 2,208,821        | 2,414,168       | 2,334,961         | 2,227,213         | 2,187,732         | 2,063,777         | 1,969,728         | 2,011,236         |
| 14 | Ohio.....               | 673,164          | 689,272         | 612,768           | 578,133           | 564,253           | 523,558           | 505,940           | 523,088           |
| 15 | Indiana.....            | 285,030          | 314,917         | 297,068           | 284,714           | 266,101           | 245,772           | 232,850           | 234,981           |
| 16 | Illinois.....           | 615,826          | 681,782         | 683,189           | 676,063           | 675,072           | 653,150           | 621,798           | 638,994           |
| 17 | Michigan.....           | 453,441          | 486,970         | 455,469           | 416,886           | 418,202           | 415,964           | 391,854           | 396,392           |
| 18 | Wisconsin.....          | 271,360          | 291,222         | 286,477           | 271,427           | 244,104           | 226,333           | 217,286           | 217,780           |
| 19 | West North Central..... | 1,205,821        | 1,326,761       | 1,287,317         | 1,241,668         | 1,133,913         | 1,005,618         | 954,553           | 965,954           |
| 20 | Minnesota.....          | 231,001          | 256,751         | 253,788           | 239,940           | 214,432           | 193,469           | 180,705           | 192,934           |
| 21 | Iowa.....               | 220,277          | 242,063         | 235,820           | 223,542           | 201,167           | 180,357           | 174,929           | 177,861           |
| 22 | Missouri.....           | 305,862          | 336,137         | 325,068           | 320,555           | 313,600           | 287,176           | 267,002           | 271,638           |
| 23 | North Dakota.....       | 75,726           | 78,119          | 79,886            | 76,343            | 61,853            | 48,988            | 43,341            | 42,931            |
| 24 | South Dakota.....       | 71,324           | 77,901          | 75,392            | 60,609            | 59,584            | 50,745            | 48,122            | 48,273            |
| 25 | Nebraska.....           | 130,337          | 141,487         | 136,339           | 132,100           | 120,788           | 104,370           | 99,601            | 99,811            |
| 26 | Kansas.....             | 171,094          | 190,343         | 181,034           | 174,573           | 162,439           | 140,513           | 131,853           | 132,451           |
| 27 | South Atlantic.....     | 1,714,903        | 1,906,741       | 1,757,677         | 1,679,410         | 1,482,586         | 1,217,753         | 1,050,267         | 1,047,428         |
| 28 | Delaware.....           | 19,283           | 22,321          | 22,614            | 21,173            | 20,122            | 18,241            | 17,857            | 18,221            |
| 29 | Maryland.....           | 144,629          | 162,656         | 162,612           | 145,804           | 145,846           | 132,248           | 124,358           | 124,305           |
| 30 | Dist. of Col.....       | 32,304           | 36,624          | 32,712            | 35,806            | 48,387            | 48,120            | 45,095            | 43,587            |
| 31 | Virginia.....           | 257,138          | 291,876         | 268,626           | 255,757           | 217,003           | 170,938           | 156,956           | 158,211           |
| 32 | West Virginia.....      | 207,087          | 220,366         | 193,265           | 175,834           | 163,487           | 130,693           | 116,803           | 112,145           |
| 33 | North Carolina.....     | 391,150          | 427,112         | 382,298           | 360,640           | 304,847           | 239,921           | 197,171           | 188,488           |
| 34 | South Carolina.....     | 205,076          | 240,750         | 222,808           | 211,345           | 166,354           | 120,468           | 98,859            | 104,790           |
| 35 | Georgia.....            | 316,404          | 353,910         | 338,860           | 334,836           | 288,126           | 222,630           | 183,399           | 186,959           |
| 36 | Florida.....            | 141,532          | 152,127         | 142,881           | 138,215           | 137,814           | 128,299           | 110,119           | 110,752           |
| 37 | East South Central..... | 1,122,861        | 1,203,871       | 1,082,200         | 1,051,163         | 929,003           | 759,930           | 635,006           | 631,872           |
| 38 | Kentucky.....           | 262,866          | 316,231         | 290,238           | 255,156           | 221,661           | 180,040           | 171,188           | 169,932           |
| 39 | Tennessee.....          | 281,818          | 306,629         | 280,178           | 276,437           | 245,619           | 203,213           | 172,774           | 171,956           |
| 40 | Alabama.....            | 313,882          | 331,713         | 303,440           | 294,168           | 259,361           | 208,954           | 164,833           | 163,991           |
| 41 | Mississippi.....        | 234,295          | 249,398         | 228,344           | 222,402           | 190,362           | 168,723           | 126,211           | 125,993           |
| 42 | West South Central..... | 1,314,952        | 1,425,421       | 1,296,077         | 1,280,160         | 1,192,732         | 1,023,872         | 864,409           | 837,621           |
| 43 | Arkansas.....           | 208,700          | 225,823         | 211,013           | 202,734           | 175,308           | 141,422           | 116,776           | 119,092           |
| 44 | Louisiana.....          | 230,638          | 243,187         | 227,631           | 217,602           | 206,496           | 178,953           | 148,247           | 146,687           |
| 45 | Oklahoma.....           | 264,537          | 285,846         | 258,039           | 252,755           | 230,891           | 197,266           | 168,737           | 160,672           |
| 46 | Texas.....              | 611,168          | 665,660         | 699,403           | 607,069           | 580,037           | 500,241           | 430,640           | 411,170           |
| 47 | Mountain.....           | 383,666          | 408,579         | 332,879           | 352,747           | 320,176           | 280,076           | 259,568           | 268,606           |
| 48 | Montana.....            | 40,263           | 53,902          | 50,896            | 50,135            | 43,753            | 38,196            | 35,476            | 40,559            |
| 49 | Idaho.....              | 45,814           | 50,070          | 49,840            | 44,665            | 37,458            | 31,028            | 29,059            | 30,111            |
| 50 | Wyoming.....            | 22,495           | 24,097          | 21,750            | 20,162            | 20,445            | 18,489            | 18,130            | 18,808            |
| 51 | Colorado.....           | 95,670           | 104,780         | 98,940            | 95,132            | 86,913            | 77,310            | 74,191            | 77,387            |
| 52 | New Mexico.....         | 53,853           | 55,064          | 46,346            | 43,135            | 37,797            | 32,332            | 27,984            | 28,517            |
| 53 | Arizona.....            | 50,037           | 50,457          | 42,861            | 39,981            | 40,453            | 37,633            | 33,450            | 32,930            |
| 54 | Utah.....               | 59,261           | 62,239          | 59,884            | 52,762            | 46,072            | 37,333            | 33,967            | 32,472            |
| 55 | Nevada.....             | 7,128            | 7,860           | 7,662             | 6,875             | 7,285             | 7,756             | 7,312             | 7,762             |
| 56 | Pacific.....            | 580,076          | 632,927         | 645,179           | 649,976           | 633,514           | 668,733           | 669,214           | 666,472           |
| 57 | Washington.....         | 114,854          | 130,013         | 133,393           | 137,922           | 130,401           | 120,651           | 115,448           | 122,833           |
| 58 | Oregon.....             | 65,895           | 81,520          | 82,690            | 83,576            | 77,088            | 72,663            | 71,102            | 75,019            |
| 59 | California.....         | 406,367          | 465,394         | 424,125           | 428,564           | 475,127           | 496,029           | 482,664           | 488,620           |

Source: Bureau of the Census, Department of Commerce.

## THE POPULATION, BY STATES, 1930

bution of urban and rural population see Table 19, p. 19.

| 40 to 44<br>years | 45 to 49<br>years | 50 to 54<br>years | 55 to 59<br>years | 60 to 64<br>years | 65 to 69<br>years | 70 to 74<br>years | 75 to 79<br>years | 80 to 84<br>years | 85 years<br>and<br>over | Un-<br>known |    |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------|--------------|----|
| 7,990,186         | 7,042,279         | 5,975,804         | 4,845,677         | 3,751,221         | 2,770,606         | 1,960,004         | 1,106,580         | 534,676           | 272,130                 | 94,022       | 1  |
| 668,448           | 501,059           | 443,178           | 372,375           | 311,630           | 229,017           | 159,133           | 91,652            | 45,417            | 24,071                  | 5,159        | 2  |
| 48,339            | 46,767            | 43,589            | 38,941            | 33,537            | 20,543            | 20,071            | 12,554            | 6,407             | 3,455                   | 591          | 3  |
| 29,681            | 28,113            | 26,676            | 24,005            | 20,645            | 15,846            | 12,500            | 7,428             | 3,735             | 2,045                   | 244          | 4  |
| 21,794            | 21,040            | 20,098            | 17,620            | 14,990            | 11,498            | 8,500             | 5,830             | 2,978             | 1,620                   | 118          | 5  |
| 296,004           | 295,410           | 234,252           | 197,278           | 159,330           | 117,605           | 78,842            | 44,273            | 21,897            | 11,578                  | 3,043        | 6  |
| 46,568            | 42,181            | 37,062            | 30,286            | 24,984            | 17,398            | 11,621            | 6,441             | 3,018             | 1,476                   | 221          | 7  |
| 114,060           | 97,558            | 81,504            | 64,176            | 58,241            | 40,127            | 26,775            | 15,126            | 7,352             | 3,909                   | 937          | 8  |
| 1,851,308         | 1,587,001         | 1,334,184         | 1,035,773         | 830,598           | 600,499           | 403,506           | 220,204           | 102,584           | 49,883                  | 18,344       | 9  |
| 124,958           | 780,951           | 655,197           | 504,264           | 406,041           | 263,447           | 195,068           | 105,162           | 48,984            | 24,064                  | 10,560       | 10 |
| 291,871           | 246,388           | 205,434           | 167,128           | 124,676           | 88,449            | 58,961            | 31,422            | 14,787            | 7,414                   | 2,704        | 11 |
| 634,474           | 659,952           | 473,553           | 374,381           | 299,881           | 218,578           | 148,887           | 83,610            | 38,303            | 18,405                  | 5,074        | 12 |
| 1,767,937         | 1,515,615         | 1,262,141         | 1,004,593         | 826,273           | 634,007           | 448,118           | 253,427           | 120,794           | 59,385                  | 17,350       | 13 |
| 458,317           | 400,040           | 344,777           | 275,190           | 224,168           | 170,465           | 123,143           | 71,313            | 33,727            | 16,188                  | 3,187        | 14 |
| 213,101           | 194,719           | 170,038           | 143,306           | 120,500           | 84,361            | 69,147            | 40,064            | 19,497            | 9,118                   | 2,209        | 15 |
| 557,637           | 470,373           | 389,102           | 298,912           | 246,810           | 183,186           | 129,560           | 66,215            | 31,751            | 16,345                  | 7,323        | 16 |
| 534,001           | 275,659           | 221,537           | 171,220           | 137,204           | 106,038           | 75,079            | 43,037            | 20,731            | 9,966                   | 2,875        | 17 |
| 194,881           | 168,738           | 142,987           | 115,965           | 97,731            | 79,947            | 57,173            | 32,148            | 15,058            | 7,728                   | 1,636        | 18 |
| 867,038           | 769,649           | 661,664           | 543,792           | 451,101           | 353,721           | 257,853           | 149,457           | 75,211            | 38,859                  | 7,237        | 19 |
| 172,980           | 147,143           | 122,171           | 100,813           | 84,372            | 69,079            | 48,255            | 26,628            | 12,693            | 6,324                   | 988          | 20 |
| 157,635           | 144,003           | 126,365           | 107,586           | 92,845            | 72,943            | 54,238            | 32,088            | 10,305            | 5,670                   | 1,242        | 21 |
| 242,356           | 220,334           | 195,007           | 158,403           | 131,736           | 99,311            | 71,876            | 41,648            | 21,064            | 10,624                  | 2,780        | 22 |
| 39,569            | 35,633            | 26,235            | 22,425            | 17,123            | 15,019            | 9,112             | 4,920             | 2,186             | 1,037                   | 393          | 23 |
| 44,205            | 37,499            | 30,289            | 23,648            | 18,902            | 15,211            | 9,153             | 4,294             | 2,049             | 1,403                   | 376          | 24 |
| 89,856            | 70,815            | 64,691            | 52,041            | 42,783            | 34,431            | 25,625            | 14,534            | 7,583             | 3,821                   | 750          | 25 |
| 120,437           | 107,622           | 95,816            | 8,789             | 63,848            | 49,727            | 37,791            | 23,099            | 12,431            | 6,480                   | 719          | 26 |
| 873,082           | 783,598           | 690,808           | 498,896           | 393,400           | 278,066           | 201,837           | 118,562           | 57,216            | 30,258                  | 13,495       | 27 |
| 15,960            | 14,160            | 13,001            | 10,024            | 8,673             | 6,844             | 4,837             | 2,893             | 1,338             | 716                     | 138          | 28 |
| 107,367           | 94,879            | 82,466            | 64,676            | 52,601            | 39,292            | 27,419            | 15,430            | 7,353             | 3,478                   | 3,808        | 29 |
| 30,326            | 32,574            | 28,732            | 21,609            | 15,858            | 11,712            | 7,604             | 4,315             | 2,265             | 1,267                   | 1,792        | 30 |
| 136,024           | 126,067           | 110,423           | 82,933            | 65,198            | 45,935            | 34,815            | 20,321            | 10,212            | 5,395                   | 1,184        | 31 |
| 94,645            | 85,398            | 70,728            | 53,548            | 41,530            | 29,675            | 21,107            | 12,868            | 6,147             | 3,156                   | 733          | 32 |
| 153,231           | 137,981           | 120,365           | 93,539            | 63,743            | 46,085            | 34,533            | 20,076            | 9,820             | 5,157                   | 2,119        | 33 |
| 86,589            | 78,138            | 65,371            | 44,318            | 36,173            | 23,590            | 16,845            | 9,437             | 4,670             | 2,416                   | 502          | 34 |
| 151,156           | 133,154           | 131,455           | 94,933            | 67,662            | 45,142            | 35,738            | 19,505            | 9,564             | 5,329                   | 1,844        | 35 |
| 91,776            | 81,647            | 67,965            | 51,589            | 40,757            | 29,785            | 20,709            | 11,717            | 5,847             | 3,144                   | 1,287        | 36 |
| 622,777           | 498,867           | 436,613           | 318,979           | 247,026           | 175,781           | 128,018           | 75,745            | 37,924            | 20,882                  | 7,091        | 37 |
| 146,945           | 133,430           | 119,940           | 95,182            | 76,270            | 57,870            | 41,769            | 24,518            | 11,881            | 6,064                   | 1,388        | 38 |
| 141,554           | 128,682           | 124,300           | 99,615            | 68,211            | 48,478            | 34,839            | 20,416            | 10,160            | 5,102                   | 3,620        | 39 |
| 130,871           | 138,403           | 106,459           | 73,716            | 55,948            | 39,246            | 29,184            | 17,243            | 8,668             | 4,800                   | 1,260        | 40 |
| 108,407           | 93,452            | 84,919            | 58,466            | 48,597            | 30,187            | 22,176            | 13,668            | 7,215             | 4,297                   | 808          | 41 |
| 685,825           | 613,304           | 499,120           | 372,852           | 282,876           | 192,729           | 141,073           | 83,978            | 40,562            | 22,155                  | 6,313        | 42 |
| 98,025            | 96,405            | 79,352            | 59,430            | 44,001            | 29,686            | 22,381            | 13,255            | 6,448             | 3,530                   | 778          | 43 |
| 118,615           | 107,576           | 85,885            | 62,463            | 46,358            | 30,924            | 21,400            | 13,029            | 6,382             | 4,115                   | 803          | 44 |
| 133,071           | 114,124           | 99,008            | 76,782            | 56,400            | 39,076            | 28,582            | 16,648            | 7,983             | 3,999                   | 1,039        | 45 |
| 336,108           | 265,199           | 235,177           | 174,163           | 136,116           | 92,143            | 63,710            | 41,045            | 20,049            | 10,511                  | 4,191        | 46 |
| 242,207           | 210,696           | 172,397           | 132,098           | 106,668           | 78,430            | 52,665            | 28,643            | 13,122            | 6,716                   | 2,432        | 47 |
| 42,127            | 35,634            | 27,834            | 20,625            | 16,580            | 12,323            | 7,911             | 3,931             | 1,688             | 847                     | 337          | 48 |
| 28,413            | 25,230            | 21,243            | 16,419            | 13,258            | 9,730             | 6,629             | 3,484             | 1,668             | 799                     | 214          | 49 |
| 16,281            | 13,013            | 10,243            | 7,353             | 5,406             | 3,988             | 2,592             | 1,336             | 665               | 226                     | 178          | 50 |
| 69,330            | 62,302            | 53,363            | 42,608            | 35,427            | 26,883            | 18,190            | 10,011            | 4,634             | 2,169                   | 701          | 51 |
| 22,890            | 19,708            | 15,691            | 12,693            | 10,250            | 7,274             | 4,864             | 2,750             | 1,814             | 823                     | 204          | 52 |
| 27,953            | 23,295            | 18,113            | 13,037            | 9,921             | 6,650             | 4,473             | 2,613             | 1,259             | 773                     | 525          | 53 |
| 28,713            | 24,693            | 20,262            | 15,230            | 12,571            | 9,503             | 6,846             | 3,756             | 1,702             | 858                     | 223          | 54 |
| 7,400             | 6,823             | 5,648             | 4,128             | 3,170             | 2,079             | 1,360             | 762               | 392               | 221                     | 50           | 55 |
| 633,580           | 567,490           | 478,998           | 368,418           | 301,732           | 228,385           | 167,808           | 86,792            | 41,676            | 20,471                  | 16,181       | 56 |
| 118,105           | 108,280           | 90,223            | 69,260            | 57,530            | 44,440            | 30,075            | 16,110            | 7,329             | 3,549                   | 1,080        | 57 |
| 71,076            | 65,663            | 55,296            | 43,860            | 36,640            | 28,199            | 20,167            | 11,139            | 5,866             | 2,481                   | 442          | 58 |
| 443,499           | 393,547           | 331,479           | 255,289           | 207,562           | 155,748           | 107,564           | 59,473            | 28,881            | 14,461                  | 13,739       | 59 |

## No. 29.—PER CENT DISTRIBUTION BY AGE, BY STATES: 1930

NOTE.—Percentages are based on figures in Table 28

| Division and State           | Per cent in age group |        |          |          |          |          |          |          |          |          |          |          |          |          |          |             |  |
|------------------------------|-----------------------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|--|
|                              | Under 5               | 5 to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 to 39 | 40 to 44 | 45 to 49 | 50 to 54 | 55 to 59 | 60 to 64 | 65 to 69 | 70 to 74 | 75 and over |  |
| Continental United States... | 8.3                   | 10.3   | 9.8      | 9.4      | 8.9      | 8.0      | 7.4      | 7.5      | 6.5      | 5.7      | 4.9      | 3.8      | 3.1      | 2.3      | 1.6      | 1.6         |  |
| New England.....             | 8.4                   | 9.4    | 9.8      | 8.8      | 8.0      | 7.4      | 7.4      | 7.7      | 6.8      | 6.1      | 5.4      | 4.6      | 3.8      | 2.8      | 1.9      | 2.0         |  |
| Maine.....                   | 9.4                   | 10.0   | 9.8      | 8.6      | 7.6      | 6.7      | 6.6      | 6.6      | 6.1      | 5.9      | 5.5      | 4.9      | 4.2      | 3.3      | 2.5      | 2.8         |  |
| New Hampshire.....           | 8.5                   | 9.4    | 9.0      | 8.3      | 7.5      | 6.8      | 6.8      | 7.0      | 6.4      | 6.0      | 5.7      | 5.2      | 4.4      | 3.4      | 2.7      | 2.8         |  |
| Vermont.....                 | 9.2                   | 9.7    | 9.4      | 8.7      | 7.7      | 6.8      | 6.5      | 6.6      | 6.1      | 5.9      | 5.6      | 4.9      | 4.2      | 3.2      | 2.0      | 2.0         |  |
| Massachusetts.....           | 8.2                   | 9.2    | 9.1      | 8.6      | 8.1      | 7.6      | 7.6      | 7.9      | 7.0      | 6.2      | 5.5      | 4.6      | 3.7      | 2.8      | 1.9      | 1.8         |  |
| Rhode Island.....            | 8.7                   | 9.8    | 9.4      | 9.1      | 8.2      | 7.5      | 7.5      | 7.6      | 6.8      | 6.1      | 5.4      | 4.4      | 3.6      | 2.6      | 1.7      | 1.6         |  |
| Connecticut.....             | 8.3                   | 9.5    | 10.0     | 9.2      | 8.2      | 7.5      | 7.5      | 8.1      | 7.1      | 6.1      | 5.1      | 4.0      | 3.0      | 2.5      | 1.7      | 1.6         |  |
| Middle Atlantic.....         | 6.4                   | 8.4    | 8.8      | 8.0      | 8.8      | 8.8      | 8.1      | 8.1      | 7.0      | 6.0      | 5.1      | 3.9      | 3.2      | 2.3      | 1.5      | 1.4         |  |
| New York.....                | 7.9                   | 8.6    | 8.6      | 8.5      | 9.0      | 8.9      | 8.0      | 8.6      | 7.3      | 6.2      | 5.2      | 4.0      | 3.2      | 2.3      | 1.6      | 1.4         |  |
| New Jersey.....              | 8.2                   | 9.4    | 9.5      | 9.0      | 8.7      | 8.2      | 8.2      | 8.4      | 7.2      | 6.1      | 5.1      | 3.9      | 3.1      | 2.2      | 1.5      | 1.3         |  |
| Pennsylvania.....            | 9.3                   | 10.4   | 10.2     | 9.5      | 8.5      | 7.6      | 7.3      | 7.5      | 6.6      | 5.8      | 4.9      | 3.9      | 3.1      | 2.3      | 1.5      | 1.5         |  |
| E. North Central.....        | 8.7                   | 9.5    | 9.2      | 8.8      | 8.6      | 8.2      | 7.8      | 8.0      | 6.9      | 6.0      | 5.0      | 4.0      | 3.3      | 2.5      | 1.8      | 1.7         |  |
| Ohio.....                    | 8.6                   | 9.6    | 9.2      | 8.7      | 8.5      | 7.9      | 7.6      | 7.9      | 6.9      | 6.1      | 3.7      | 4.1      | 3.4      | 2.6      | 1.9      | 1.8         |  |
| Indiana.....                 | 8.8                   | 9.7    | 9.2      | 8.8      | 8.2      | 7.6      | 7.2      | 7.3      | 6.6      | 6.0      | 5.3      | 4.4      | 3.7      | 2.9      | 2.1      | 2.1         |  |
| Illinois.....                | 8.1                   | 8.9    | 9.0      | 8.9      | 8.8      | 8.6      | 8.1      | 8.4      | 7.3      | 6.2      | 5.0      | 3.9      | 3.2      | 2.4      | 1.6      | 1.5         |  |
| Michigan.....                | 9.6                   | 10.1   | 9.4      | 8.0      | 8.6      | 8.6      | 8.1      | 8.2      | 6.9      | 5.7      | 4.6      | 3.5      | 2.8      | 2.2      | 1.6      | 1.5         |  |
| Wisconsin.....               | 9.2                   | 9.9    | 9.7      | 9.2      | 8.3      | 7.7      | 7.4      | 7.4      | 6.6      | 5.7      | 4.9      | 3.9      | 3.3      | 2.7      | 3.8      | 1.9         |  |
| W. North Central.....        | 9.1                   | 10.0   | 9.7      | 9.3      | 8.5      | 7.6      | 7.2      | 7.3      | 6.5      | 5.8      | 5.0      | 4.1      | 3.4      | 2.7      | 1.9      | 2.0         |  |
| Minnesota.....               | 9.0                   | 10.0   | 9.9      | 9.4      | 8.4      | 7.5      | 7.4      | 7.5      | 6.7      | 5.7      | 4.8      | 3.9      | 3.3      | 2.7      | 1.9      | 1.8         |  |
| Iowa.....                    | 8.9                   | 9.8    | 9.5      | 9.0      | 8.1      | 7.3      | 7.1      | 7.2      | 6.4      | 5.9      | 5.1      | 4.4      | 3.7      | 3.0      | 2.2      | 2.3         |  |
| Missouri.....                | 8.4                   | 9.3    | 9.0      | 9.0      | 8.6      | 7.9      | 7.4      | 7.5      | 6.7      | 6.1      | 5.3      | 4.4      | 3.6      | 2.7      | 2.2      | 2.0         |  |
| North Dakota.....            | 11.1                  | 11.5   | 11.7     | 11.1     | 9.1      | 7.2      | 6.4      | 6.3      | 5.8      | 5.2      | 4.3      | 3.3      | 2.5      | 1.9      | 1.3      | 1.2         |  |
| South Dakota.....            | 10.3                  | 11.3   | 10.9     | 10.0     | 8.6      | 7.3      | 6.9      | 7.0      | 6.4      | 5.4      | 4.4      | 3.4      | 2.7      | 2.2      | 1.6      | 1.5         |  |
| Nebraska.....                | 9.5                   | 10.3   | 9.9      | 9.6      | 8.8      | 7.6      | 7.2      | 7.2      | 6.5      | 5.6      | 4.7      | 3.8      | 3.1      | 2.5      | 1.9      | 1.9         |  |
| Kansas.....                  | 9.1                   | 10.1   | 9.6      | 9.3      | 8.5      | 7.5      | 7.0      | 7.0      | 6.4      | 5.7      | 5.1      | 4.2      | 3.4      | 2.0      | 2.0      | 2.2         |  |
| South Atlantic.....          | 10.9                  | 12.1   | 11.1     | 10.6     | 8.4      | 7.7      | 6.6      | 6.6      | 5.5      | 5.0      | 4.4      | 3.2      | 2.5      | 1.8      | 1.3      | 1.3         |  |
| Delaware.....                | 8.1                   | 9.4    | 9.5      | 8.9      | 8.4      | 7.7      | 7.5      | 7.6      | 6.7      | 5.9      | 5.5      | 4.2      | 3.6      | 2.9      | 2.1      | 2.1         |  |
| Maryland.....                | 8.9                   | 10.0   | 9.4      | 8.9      | 8.0      | 8.1      | 7.6      | 7.6      | 6.8      | 5.8      | 5.1      | 4.0      | 3.2      | 2.4      | 1.7      | 1.6         |  |
| Dist. of Col.....            | 6.6                   | 7.3    | 6.7      | 7.4      | 9.9      | 9.9      | 9.3      | 5.1      | 7.5      | 6.7      | 5.9      | 4.4      | 3.5      | 2.4      | 1.6      | 1.6         |  |
| Virginia.....                | 10.6                  | 12.1   | 11.1     | 10.6     | 9.0      | 7.3      | 6.5      | 6.5      | 5.6      | 5.2      | 4.6      | 3.4      | 2.7      | 1.9      | 1.4      | 1.5         |  |
| West Virginia.....           | 12.0                  | 12.7   | 11.2     | 10.2     | 8.9      | 7.6      | 6.8      | 6.5      | 5.6      | 4.9      | 4.1      | 3.1      | 2.4      | 1.7      | 1.2      | 1.3         |  |
| North Carolina.....          | 12.3                  | 13.5   | 12.1     | 11.4     | 9.6      | 7.6      | 6.2      | 5.9      | 4.8      | 4.4      | 3.8      | 2.7      | 2.0      | 1.5      | 1.1      | 1.1         |  |
| South Carolina.....          | 11.8                  | 13.8   | 12.8     | 12.2     | 9.6      | 6.9      | 5.7      | 6.0      | 5.0      | 4.5      | 3.8      | 2.5      | 2.1      | 1.4      | 1.0      | 1.0         |  |
| Georgia.....                 | 10.9                  | 12.2   | 11.7     | 11.5     | 9.9      | 7.7      | 6.3      | 6.4      | 5.2      | 4.6      | 4.5      | 2.9      | 2.3      | 1.6      | 1.2      | 1.2         |  |
| Florida.....                 | 9.7                   | 10.4   | 9.7      | 9.4      | 9.4      | 8.7      | 7.5      | 7.5      | 6.3      | 5.6      | 4.6      | 3.5      | 2.8      | 2.0      | 1.4      | 1.4         |  |
| R. South Central.....        | 11.4                  | 12.2   | 11.0     | 10.6     | 9.4      | 7.7      | 6.4      | 6.4      | 5.3      | 5.0      | 4.4      | 3.2      | 2.5      | 1.8      | 1.3      | 1.4         |  |
| Kentucky.....                | 11.2                  | 12.1   | 10.7     | 9.9      | 8.5      | 7.2      | 6.5      | 6.5      | 5.6      | 5.1      | 4.6      | 3.6      | 2.9      | 2.2      | 1.6      | 1.6         |  |
| Tennessee.....               | 10.8                  | 11.7   | 10.7     | 10.6     | 9.5      | 7.8      | 6.6      | 6.6      | 5.4      | 4.9      | 4.8      | 3.4      | 2.6      | 1.9      | 1.3      | 1.4         |  |
| Alabama.....                 | 11.9                  | 12.5   | 11.6     | 11.1     | 9.8      | 7.9      | 6.2      | 6.2      | 4.9      | 5.2      | 4.0      | 2.8      | 2.1      | 1.5      | 1.1      | 1.2         |  |
| Mississippi.....             | 11.7                  | 12.4   | 11.4     | 11.1     | 9.9      | 7.9      | 6.3      | 6.3      | 5.1      | 4.6      | 4.2      | 2.9      | 2.3      | 1.5      | 1.1      | 1.2         |  |
| W. South Central.....        | 10.8                  | 11.7   | 10.6     | 10.5     | 9.3      | 8.4      | 7.1      | 6.9      | 5.6      | 5.0      | 4.1      | 3.1      | 2.3      | 1.6      | 1.2      | 1.2         |  |
| Arkansas.....                | 11.3                  | 12.2   | 11.4     | 10.9     | 9.5      | 7.6      | 6.3      | 6.4      | 5.3      | 5.2      | 4.3      | 3.2      | 2.4      | 1.6      | 1.2      | 1.3         |  |
| Louisiana.....               | 11.0                  | 11.8   | 10.8     | 10.4     | 9.8      | 8.5      | 7.1      | 7.0      | 5.6      | 5.1      | 4.1      | 3.0      | 2.2      | 1.5      | 1.0      | 1.1         |  |
| Oklahoma.....                | 11.0                  | 11.9   | 10.8     | 10.5     | 9.6      | 8.2      | 7.0      | 6.7      | 5.6      | 4.8      | 4.1      | 3.2      | 2.4      | 1.6      | 1.2      | 1.2         |  |
| Texas.....                   | 10.5                  | 11.4   | 10.3     | 10.4     | 10.0     | 8.7      | 7.4      | 7.1      | 5.8      | 5.1      | 4.0      | 3.0      | 2.3      | 1.6      | 1.2      | 1.2         |  |
| Mountain.....                | 10.4                  | 11.0   | 10.3     | 9.5      | 8.6      | 7.6      | 7.0      | 7.3      | 6.6      | 5.7      | 4.7      | 3.6      | 2.9      | 2.1      | 1.4      | 1.3         |  |
| Montana.....                 | 9.2                   | 10.0   | 10.6     | 9.3      | 8.1      | 7.1      | 6.6      | 7.5      | 6.6      | 5.8      | 5.2      | 3.8      | 3.1      | 2.3      | 1.5      | 1.2         |  |
| Idaho.....                   | 10.3                  | 11.3   | 11.2     | 10.6     | 8.4      | 7.0      | 6.5      | 6.8      | 6.4      | 5.7      | 4.8      | 3.7      | 3.0      | 2.2      | 1.5      | 1.3         |  |
| Wyoming.....                 | 10.0                  | 10.7   | 9.6      | 8.9      | 9.1      | 8.2      | 8.0      | 8.3      | 7.2      | 5.8      | 4.5      | 3.3      | 2.4      | 1.8      | 1.1      | .9          |  |
| Colorado.....                | 9.2                   | 10.1   | 9.6      | 9.2      | 8.4      | 7.5      | 7.2      | 7.5      | 6.7      | 6.0      | 5.2      | 4.1      | 3.4      | 2.6      | 1.8      | 1.6         |  |
| New Mexico.....              | 12.7                  | 13.0   | 10.9     | 10.2     | 8.9      | 7.6      | 6.5      | 7.0      | 5.4      | 4.7      | 3.7      | 3.0      | 2.4      | 1.7      | 1.1      | 1.2         |  |
| Arizona.....                 | 11.5                  | 11.6   | 9.8      | 9.2      | 9.3      | 8.6      | 7.7      | 7.6      | 6.2      | 5.3      | 4.2      | 3.0      | 2.3      | 1.5      | 1.0      | 1.1         |  |
| Utah.....                    | 11.7                  | 12.3   | 11.7     | 10.4     | 9.1      | 7.4      | 6.7      | 6.4      | 5.7      | 4.9      | 4.0      | 3.0      | 2.5      | 1.9      | 1.3      | 1.2         |  |
| Nevada.....                  | 7.8                   | 8.6    | 7.8      | 7.6      | 8.0      | 8.5      | 8.0      | 8.5      | 8.1      | 7.5      | 6.2      | 4.5      | 3.5      | 2.3      | 1.5      | 1.5         |  |
| Pacific.....                 | 7.2                   | 8.3    | 7.9      | 7.9      | 8.3      | 8.4      | 8.2      | 8.4      | 7.7      | 6.9      | 5.8      | 4.5      | 3.7      | 2.8      | 1.9      | 1.8         |  |
| Washington.....              | 7.3                   | 8.7    | 8.9      | 8.8      | 8.3      | 7.7      | 7.4      | 7.9      | 7.6      | 6.9      | 5.8      | 4.4      | 3.7      | 2.8      | 1.9      | 1.7         |  |
| Oregon.....                  | 7.2                   | 8.5    | 8.7      | 8.7      | 8.2      | 7.6      | 7.5      | 7.9      | 7.5      | 6.9      | 5.8      | 4.6      | 3.8      | 3.0      | 2.1      | 2.0         |  |
| California.....              | 7.1                   | 8.2    | 7.5      | 7.6      | 8.4      | 8.7      | 8.5      | 8.6      | 7.8      | 6.9      | 5.8      | 4.5      | 3.7      | 2.7      | 1.9      | 1.8         |  |

Source: Bureau of the Census, Department of Commerce.

No. 30.—AGE DISTRIBUTION: TOTALS 1900 TO 1930, AND BY SEX, RACE, NATIVITY AND PARENTAGE, 1930, CONTINENTAL UNITED STATES

| Age group               | All classes <sup>1</sup> |            |             |             | 1930             |                            |                    |            |
|-------------------------|--------------------------|------------|-------------|-------------|------------------|----------------------------|--------------------|------------|
|                         | 1900                     | 1910       | 1920        | 1930        | Native white     |                            | Foreign-born white | Negro      |
|                         |                          |            |             |             | Native parentage | Foreign or mixed parentage |                    |            |
| NUMBER                  |                          |            |             |             |                  |                            |                    |            |
| All ages.....           | 75,894,576               | 91,972,266 | 105,710,620 | 122,775,046 | 70,138,614       | 25,361,186                 | 13,368,407         | 11,891,143 |
| Under 5 years.....      | 9,170,622                | 10,631,304 | 11,573,230  | 11,444,390  | 7,939,165        | 1,960,443                  | 27,788             | 1,230,206  |
| Under 1 year.....       | 1,916,392                | 2,217,342  | 2,257,255   | 2,180,791   | 1,549,340        | 345,962                    | 1,438              | 232,378    |
| 5 to 9 years.....       | 8,874,123                | 9,780,632  | 11,398,075  | 12,607,609  | 8,321,038        | 2,513,415                  | 121,691            | 1,398,381  |
| 10 to 14 years.....     | 8,080,234                | 9,107,140  | 10,641,137  | 12,004,877  | 7,528,852        | 2,870,194                  | 147,736            | 1,251,542  |
| 15 to 19 years.....     | 7,656,039                | 9,038,038  | 9,430,556   | 11,552,116  | 6,932,503        | 2,854,451                  | 324,630            | 1,260,528  |
| 20 to 24 years.....     | 7,335,016                | 9,056,984  | 9,277,021   | 10,870,378  | 6,355,607        | 2,448,656                  | 661,992            | 1,203,191  |
| 25 to 29 years.....     | 6,529,441                | 8,180,008  | 8,080,491   | 9,833,608   | 6,509,780        | 2,042,910                  | 1,021,006          | 1,071,787  |
| 30 to 34 years.....     | 6,550,039                | 8,972,185  | 8,071,193   | 9,120,421   | 6,916,006        | 1,946,931                  | 1,246,890          | 854,614    |
| 35 to 39 years.....     | 4,964,774                | 6,396,100  | 7,775,281   | 9,208,646   | 4,675,976        | 1,876,978                  | 1,631,697          | 890,900    |
| 40 to 44 years.....     | 4,247,168                | 5,261,587  | 6,345,557   | 7,990,195   | 3,953,253        | 1,551,073                  | 1,694,176          | 687,423    |
| 45 to 49 years.....     | 3,454,612                | 4,469,187  | 5,703,620   | 7,042,279   | 3,454,299        | 1,303,476                  | 1,565,214          | 680,055    |
| 50 to 54 years.....     | 2,942,829                | 3,900,791  | 4,734,873   | 5,975,804   | 2,941,026        | 1,150,660                  | 1,317,370          | 504,590    |
| 55 to 59 years.....     | 2,211,172                | 2,786,951  | 3,546,124   | 4,645,677   | 2,300,842        | 963,652                    | 1,028,613          | 309,397    |
| 60 to 64 years.....     | 1,791,363                | 2,267,150  | 2,882,548   | 3,751,221   | 1,821,621        | 744,795                    | 910,577            | 242,169    |
| 65 to 69 years.....     | 1,302,928                | 1,679,503  | 2,063,475   | 2,770,605   | 1,346,942        | 535,584                    | 712,314            | 165,177    |
| 70 to 74 years.....     | 853,841                  | 1,113,728  | 1,395,036   | 1,950,904   | 1,019,306        | 358,130                    | 460,614            | 99,096     |
| 75 to 79 years.....     | 519,857                  | 667,302    | 856,560     | 1,109,390   | 612,390          | 157,752                    | 269,780            | 58,711     |
| 80 to 84 years.....     | 251,512                  | 321,754    | 402,779     | 534,676     | 303,517          | 62,694                     | 140,892            | 33,377     |
| 85 to 89 years.....     | 88,600                   | 122,818    | 156,539     | 205,469     | 115,450          | 16,895                     | 66,575             | 14,948     |
| 90 to 94 years.....     | 23,992                   | 35,473     | 39,980      | 51,664      | 27,260           | 3,239                      | 13,964             | 6,332      |
| 95 to 99 years.....     | 6,266                    | 7,391      | 9,579       | 11,033      | 4,723            | 544                        | 2,714              | 2,611      |
| 100 years and over..... | 3,504                    | 3,555      | 4,267       | 3,964       | 659              | 71                         | 450                | 2,467      |
| Unknown.....            | 200,584                  | 169,055    | 148,699     | 94,022      | 57,361           | 10,144                     | 9,824              | 13,731     |
| PER CENT                |                          |            |             |             |                  |                            |                    |            |
| All ages.....           | 100.0                    | 100.0      | 100.0       | 100.0       | 100.0            | 100.0                      | 100.0              | 100.0      |
| Under 5 years.....      | 12.1                     | 11.6       | 10.9        | 9.3         | 11.3             | 7.7                        | .2                 | 10.3       |
| Under 1 year.....       | 2.5                      | 2.4        | 2.1         | 1.8         | 2.2              | 1.4                        | (?)                | 2.0        |
| 5 to 9 years.....       | 11.7                     | 10.6       | 10.8        | 10.3        | 11.9             | 9.9                        | .9                 | 11.5       |
| 10 to 14 years.....     | 10.6                     | 9.9        | 10.1        | 9.8         | 10.7             | 11.3                       | 1.1                | 10.5       |
| 15 to 19 years.....     | 9.9                      | 9.8        | 8.9         | 9.4         | 8.9              | 11.9                       | 2.4                | 10.5       |
| 20 to 24 years.....     | 9.7                      | 9.8        | 8.8         | 8.9         | 9.1              | 9.7                        | 5.0                | 10.1       |
| 25 to 29 years.....     | 8.6                      | 8.9        | 8.6         | 8.0         | 7.9              | 8.1                        | 7.6                | 9.0        |
| 30 to 34 years.....     | 7.3                      | 7.6        | 7.6         | 7.4         | 7.0              | 7.7                        | 9.8                | 7.3        |
| 35 to 39 years.....     | 6.5                      | 7.0        | 7.4         | 7.5         | 6.7              | 6.4                        | 12.2               | 7.5        |
| 40 to 44 years.....     | 5.6                      | 5.7        | 6.0         | 6.5         | 5.6              | 6.1                        | 12.7               | 5.8        |
| 45 to 49 years.....     | 4.5                      | 4.9        | 5.5         | 5.7         | 4.9              | 5.1                        | 11.7               | 5.3        |
| 50 to 54 years.....     | 3.9                      | 4.2        | 4.5         | 4.9         | 4.2              | 4.5                        | 9.9                | 4.2        |
| 55 to 59 years.....     | 2.9                      | 3.0        | 3.4         | 3.8         | 3.3              | 3.8                        | 7.7                | 2.6        |
| 60 to 64 years.....     | 2.4                      | 2.5        | 2.8         | 3.1         | 2.6              | 2.9                        | 6.8                | 2.0        |
| 65 to 69 years.....     | 1.7                      | 1.8        | 2.0         | 2.3         | 1.9              | 2.1                        | 5.3                | 1.3        |
| 70 to 74 years.....     | 1.2                      | 1.2        | 1.3         | 1.6         | 1.5              | 1.4                        | 3.4                | .8         |
| 75 to 79 years.....     | .7                       | .7         | .8          | .9          | .9               | .6                         | 2.0                | .3         |
| 80 to 84 years.....     | .3                       | .3         | .4          | .4          | .4               | .2                         | 1.1                | .3         |
| 85 to 89 years.....     | .2                       | .2         | .2          | .2          | .2               | .1                         | .6                 | .2         |
| 90 to 94 years.....     | .2                       | .2         | .2          | .2          | .2               | .1                         | .1                 | .1         |
| 95 to 99 years.....     | .2                       | .2         | .2          | .2          | .2               | .1                         | .1                 | .1         |
| 100 years and over..... | .3                       | .2         | .1          | .1          | .1               | (?)                        | .1                 | .1         |

| Age group           | Number, 1930 |            | Per cent |        | Age group               | Number, 1930 |           | Per cent |        |
|---------------------|--------------|------------|----------|--------|-------------------------|--------------|-----------|----------|--------|
|                     | Male         | Female     | Male     | Female |                         | Male         | Female    | Male     | Female |
| All ages.....       | 62,137,080   | 60,637,966 | 100.0    | 100.0  | 50 to 54 years.....     | 3,131,645    | 2,844,159 | 5.0      | 4.7    |
| Under 5 years.....  | 5,806,174    | 5,638,218  | 9.3      | 9.3    | 55 to 59 years.....     | 2,425,992    | 2,210,685 | 3.9      | 3.7    |
| Under 1 year.....   | 1,112,171    | 1,078,620  | 1.8      | 1.8    | 60 to 64 years.....     | 1,941,508    | 1,809,713 | 3.1      | 3.0    |
| 5 to 9 years.....   | 6,381,108    | 6,226,501  | 10.3     | 10.3   | 65 to 69 years.....     | 1,417,812    | 1,352,793 | 2.3      | 2.2    |
| 10 to 14 years..... | 6,068,717    | 5,936,100  | 9.8      | 9.8    | 70 to 74 years.....     | 991,647      | 958,357   | 1.6      | 1.6    |
| 15 to 19 years..... | 5,757,827    | 5,704,230  | 9.3      | 9.6    | 75 to 79 years.....     | 547,604      | 558,789   | .9       | .9     |
| 20 to 24 years..... | 5,336,815    | 5,533,563  | 8.6      | 9.1    | 80 to 84 years.....     | 251,138      | 283,538   | .4       | .5     |
| 25 to 29 years..... | 4,860,180    | 4,973,428  | 7.8      | 8.2    | 85 to 89 years.....     | 90,803       | 114,576   | .1       | .2     |
| 30 to 34 years..... | 4,561,786    | 4,558,635  | 7.3      | 7.5    | 90 to 94 years.....     | 20,431       | 31,233    | (?)      | .1     |
| 35 to 39 years..... | 4,679,860    | 4,528,785  | 7.5      | 7.5    | 95 to 99 years.....     | 4,293        | 6,750     | (?)      | (?)    |
| 40 to 44 years..... | 4,136,469    | 3,853,736  | 6.7      | 6.4    | 100 years and over..... | 1,403        | 2,561     | (?)      | (?)    |
| 45 to 49 years..... | 3,671,924    | 3,370,355  | 5.9      | 5.6    | Unknown.....            | 51,316       | 42,206    | .1       | .1     |

<sup>1</sup> Totals include races not shown separately for 1930.<sup>2</sup> Less than one-tenth of 1 per cent.

Source: Bureau of the Census, Department of Commerce.

## No. 31.—MEDIAN AGES BY COLOR, NATIVITY, AND SEX: CONTINENTAL UNITED STATES

| Sex         | All classes |      | Native white |      |                   |      |                             |      | Foreign-born white |      | Negro |      |
|-------------|-------------|------|--------------|------|-------------------|------|-----------------------------|------|--------------------|------|-------|------|
|             |             |      | Total        |      | Native percentage |      | Foreign or mixed percentage |      |                    |      |       |      |
|             | 1920        | 1930 | 1920         | 1930 | 1920              | 1930 | 1920                        | 1930 | 1920               | 1930 | 1920  | 1930 |
| Total.....  | 25.2        | 26.4 | 22.4         | 23.8 | 22.7              | 23.3 | 21.6                        | 25.1 | 40.0               | 44.4 | 22.3  | 25.4 |
| Male.....   | 25.8        | 26.7 | 22.4         | 23.7 | 22.8              | 23.4 | 21.4                        | 24.7 | 40.1               | 44.6 | 22.8  | 23.7 |
| Female..... | 24.7        | 26.1 | 22.3         | 23.9 | 22.5              | 23.3 | 21.9                        | 25.4 | 39.9               | 44.0 | 22.0  | 23.2 |

## No. 32.—POPULATION OF ALASKA, HAWAII, AND PUERTO RICO: By Sex, Race, Nativity, and Age

NOTE.—Data represent actual enumerations. For estimated total population for intercensal years see Table 12, p. 10. The total population of Puerto Rico, according to the census taken as of Dec. 1, 1935, by the Puerto Rican Reconstruction Administration, was 1,723,634.

|                         | 1910    | 1920    | 1930    |                         | 1910      | 1920      | 1930      |
|-------------------------|---------|---------|---------|-------------------------|-----------|-----------|-----------|
| <b>ALASKA</b>           |         |         |         | <b>HAWAII—continued</b> |           |           |           |
| Total.....              | 64,356  | 55,038  | 59,278  | Native.....             | 98,157    | 103,671   | 299,799   |
| Male.....               | 45,857  | 34,539  | 35,704  | Native parentage.....   | 47,347    | 79,242    | 161,708   |
| Female.....             | 18,499  | 20,497  | 23,514  | Foreign parentage.....  | 41,387    | 73,079    | 106,945   |
| White.....              | 36,409  | 27,883  | 28,640  | Mixed parentage.....    | 9,423     | 16,850    | 31,145    |
| Indian.....             | 25,331  | 23,553  | 29,933  | Foreign born.....       | 93,752    | 87,241    | 68,537    |
| Chinese.....            | 1,209   | 66      | 23      | Under 5 years.....      | 24,065    | 38,550    | 48,180    |
| Japanese.....           | 913     | 312     | 278     | Under 1 year.....       | 5,515     | 8,579     | 9,573     |
| Negro.....              | 209     | 128     | 139     | 5 to 9 years.....       | 19,055    | 30,105    | 47,119    |
| All other.....          | 204     | 99      | 215     | 10 to 14 years.....     | 13,637    | 22,060    | 38,042    |
| Native.....             | 43,921  | 42,766  | 48,700  | 15 to 19 years.....     | 13,660    | 20,045    | 33,490    |
| Foreign born.....       | 20,435  | 12,270  | 10,569  | 20 to 44 years.....     | 95,721    | 103,416   | 147,919   |
| Native white.....       | 18,426  | 16,286  | 18,460  | 45 years and over.....  | 25,825    | 40,933    | 53,483    |
| Native parentage.....   | 10,993  | 9,538   | 10,990  | Age unknown.....        | 56        | 113       | 103       |
| Foreign parentage.....  | 4,760   | 4,174   | 4,324   | <b>PUERTO RICO</b>      |           |           |           |
| Mixed parentage.....    | 2,673   | 2,574   | 3,146   | Total.....              | 1,118,012 | 1,299,809 | 1,543,913 |
| Foreign-born white..... | 17,974  | 11,597  | 10,180  | Male.....               | 557,301   | 647,825   | 771,761   |
| Under 5 years.....      | 5,363   | 5,669   | 6,356   | Female.....             | 560,711   | 651,984   | 772,152   |
| Under 1 year.....       | 1,108   | 1,162   | 1,339   | White.....              | 732,555   | 948,709   | 1,146,719 |
| 5 to 9 years.....       | 4,026   | 5,699   | 6,078   | Black.....              | 50,245    | 49,246    | 397,153   |
| 10 to 14 years.....     | 2,876   | 4,262   | 5,055   | Mulatto.....            | 385,192   | 302,816   | 38        |
| 15 to 19 years.....     | 3,534   | 3,279   | 4,735   | Other.....              | 20        | 38        |           |
| 20 to 44 years.....     | 35,970  | 22,676  | 21,036  | Native.....             | 1,106,246 | 1,291,642 | 1,537,896 |
| 45 years and over.....  | 11,965  | 13,224  | 15,839  | Foreign born.....       | 11,766    | 8,167     | 6,017     |
| Age unknown.....        | 622     | 297     | 139     | Native white.....       | 722,701   | 941,228   | 1,141,114 |
| <b>HAWAII</b>           |         |         |         | Native parentage.....   | 696,699   | 915,807   | 1,120,399 |
| Total.....              | 191,909 | 255,912 | 368,338 | Foreign parentage.....  | 4,254     | 3,898     | 3,252     |
| Male.....               | 123,099 | 151,146 | 222,640 | Mixed parentage.....    | 21,838    | 21,623    | 17,463    |
| Female.....             | 68,810  | 104,766 | 145,696 | Foreign-born white..... | 9,704     | 7,481     | 5,605     |
| Hawaiian.....           | 26,041  | 23,723  | 22,636  | Under 5 years.....      | 185,189   | 200,255   | 228,468   |
| Part-Hawaiian.....      | 12,606  | 18,027  | 28,224  | Under 1 year.....       | 39,890    | 43,184    | 44,033    |
| White.....              | 44,048  | 54,742  | 80,373  | 5 to 9 years.....       | 151,223   | 195,131   | 224,022   |
| Chinese.....            | 21,674  | 23,507  | 27,179  | 10 to 14 years.....     | 143,751   | 168,054   | 199,337   |
| Japanese.....           | 79,675  | 109,274 | 139,631 | 15 to 19 years.....     | 113,739   | 126,248   | 185,160   |
| Filipino.....           | 2,361   | 21,031  | 63,052  | 20 to 44 years.....     | 389,776   | 441,123   | 508,729   |
| Korean.....             | 4,533   | 4,950   | 6,461   | 45 years and over.....  | 134,231   | 168,696   | 198,985   |
| Negro.....              | 695     | 848     | 563     | Age unknown.....        | 54        | 207       | 222       |
| Other races.....        | 376     | 310     | 217     |                         |           |           |           |

Sources of Tables 31 and 32: Bureau of the Census, Department of Commerce,

# No. 33.—ILLITERATE PERSONS 10 YEARS OF AGE AND OVER: CONTINENTAL UNITED STATES, 1920 AND 1930, AND BY GEOGRAPHIC DIVISIONS, 1930

NOTE.—For definition of urban population, see Table 7. Illiteracy in this and subsequent tables is defined as inability to write in any language, regardless of ability to read. Per cents represent proportion illiterate in the total number of persons of given class and age.

| Division, sex, and age                 | All classes <sup>1</sup> |          | Native white, native parentage |          | Native white, foreign or mixed parentage |          | Foreign-born white |          | Negro     |          |
|----------------------------------------|--------------------------|----------|--------------------------------|----------|------------------------------------------|----------|--------------------|----------|-----------|----------|
|                                        | Number                   | Per cent | Number                         | Per cent | Number                                   | Per cent | Number             | Per cent | Number    | Per cent |
| United States, 1920 <sup>2</sup> ..... | 4,931,906                | 6.0      | 1,106,875                      | 2.5      | 182,697                                  | 0.8      | 1,763,740          | 13.1     | 1,542,161 | 22.9     |
| 10 to 20 years.....                    | 598,794                  | 2.7      | 171,564                        | 1.8      | 30,339                                   | .6       | 56,595             | 5.7      | 329,174   | 13.0     |
| 21 years and over.....                 | 4,333,111                | 7.1      | 935,311                        | 3.0      | 102,358                                  | .9       | 1,707,145          | 13.7     | 1,512,987 | 27.4     |
| Urban, total.....                      | 1,055,112                | 4.4      | 156,493                        | .8       | 55,620                                   | .5       | 1,327,520          | 13.0     | 402,170   | 13.4     |
| Rural, total.....                      | 2,076,793                | 7.7      | 956,382                        | 3.8      | 77,077                                   | 1.4      | 435,220            | 13.3     | 1,439,991 | 28.5     |
| United States, 1930.....               | 4,288,753                | 4.3      | 886,469                        | 1.6      | 116,665                                  | .6       | 1,304,094          | 9.9      | 1,513,892 | 16.3     |
| Males.....                             | 2,193,293                | 4.4      | 577,312                        | 2.1      | 62,730                                   | .6       | 573,977            | 8.1      | 801,949   | 17.6     |
| Females.....                           | 2,095,460                | 4.3      | 409,157                        | 1.5      | 53,929                                   | .5       | 730,107            | 11.9     | 711,943   | 15.1     |
| 10 to 20 years.....                    | 420,538                  | 1.6      | 131,161                        | .8       | 17,015                                   | .3       | 7,582              | 1.3      | 207,242   | 7.5      |
| 21 years and over.....                 | 3,863,215                | 5.3      | 855,318                        | 2.2      | 99,650                                   | .7       | 1,296,502          | 10.3     | 1,306,650 | 20.0     |
| Urban, total.....                      | 1,800,604                | 3.2      | 163,227                        | .6       | 60,369                                   | .4       | 1,058,845          | 10.0     | 395,549   | 9.2      |
| 10 to 20 years.....                    | 65,863                   | .5       | 17,056                         | .2       | 9,061                                    | .2       | 6,325              | 1.3      | 22,556    | 2.3      |
| 21 years and over.....                 | 1,734,741                | 4.0      | 146,171                        | .7       | 50,708                                   | .5       | 1,052,520          | 10.4     | 373,293   | 11.2     |
| Rural, total.....                      | 2,488,149                | 6.0      | 823,242                        | 3.0      | 56,296                                   | 1.0      | 245,239            | 9.4      | 1,118,043 | 22.4     |
| 10 to 20 years.....                    | 134,675                  | 2.8      | 116,095                        | 1.3      | 7,354                                    | .5       | 1,257              | 1.5      | 184,686   | 10.3     |
| 21 years and over.....                 | 2,353,474                | 7.3      | 707,147                        | 3.8      | 48,942                                   | 1.2      | 243,982            | 9.6      | 933,357   | 29.2     |
| New England.....                       | 245,270                  | 3.7      | 14,080                         | .6       | 16,049                                   | .7       | 210,048            | 11.6     | 4,187     | .5       |
| 10 to 20 years.....                    | 5,460                    | .3       | 1,934                          | .8       | 2,415                                    | .3       | 1,000              | 1.1      | 83        | .5       |
| 21 years and over.....                 | 239,810                  | 4.7      | 12,146                         | .7       | 13,634                                   | .9       | 209,046            | 12.1     | 4,104     | 7.0      |
| Urban, total.....                      | 198,234                  | 3.8      | 4,903                          | .8       | 9,998                                    | .5       | 179,423            | 11.6     | 3,089     | 4.7      |
| Rural, total.....                      | 47,036                   | 3.1      | 9,177                          | 1.1      | 6,051                                    | 1.6      | 30,623             | 11.5     | 1,098     | 11.0     |
| Middle Atlantic.....                   | 757,229                  | 3.5      | 52,050                         | .6       | 30,693                                   | .5       | 688,479            | 12.2     | 32,223    | 3.7      |
| 10 to 20 years.....                    | 10,062                   | .4       | 6,564                          | .3       | 9,715                                    | .3       | 4,307              | 1.3      | 1,275     | .7       |
| 21 years and over.....                 | 735,166                  | 4.5      | 45,486                         | .7       | 23,978                                   | .4       | 682,172            | 12.7     | 30,948    | 4.4      |
| Urban, total.....                      | 621,593                  | 3.7      | 23,135                         | .4       | 21,245                                   | .4       | 546,551            | 11.9     | 25,644    | 3.3      |
| Rural, total.....                      | 135,656                  | 2.9      | 22,351                         | 1.0      | 9,448                                    | 1.0      | 39,928             | 15.0     | 6,779     | 7.3      |
| East North Central.....                | 442,094                  | 2.1      | 79,697                         | .7       | 30,587                                   | .6       | 281,645            | 8.8      | 36,454    | 4.7      |
| 10 to 20 years.....                    | 13,607                   | .3       | 7,424                          | .2       | 3,305                                    | .2       | 1,337              | 1.0      | 779       | .5       |
| 21 years and over.....                 | 428,467                  | 2.7      | 72,273                         | .9       | 27,282                                   | .7       | 280,308            | 9.2      | 35,675    | 5.7      |
| Urban, total.....                      | 315,746                  | 2.3      | 27,727                         | .4       | 14,582                                   | .4       | 232,547            | 8.8      | 30,204    | 4.3      |
| Rural, total.....                      | 126,318                  | 1.9      | 51,970                         | 1.1      | 15,705                                   | 1.1      | 49,098             | 8.9      | 6,250     | 9.3      |
| West North Central.....                | 156,068                  | 1.4      | 53,276                         | .8       | 15,562                                   | .5       | 51,982             | 4.9      | 21,170    | 7.6      |
| 10 to 20 years.....                    | 9,771                    | .4       | 6,211                          | .3       | 1,572                                    | .3       | 222                | 1.0      | 845       | 1.5      |
| 21 years and over.....                 | 146,297                  | 1.8      | 47,065                         | 1.1      | 13,990                                   | .6       | 51,760             | 5.0      | 20,325    | 9.2      |
| Urban, total.....                      | 63,093                   | 1.4      | 12,354                         | .5       | 6,182                                    | .4       | 23,156             | 5.6      | 12,936    | 5.9      |
| Rural, total.....                      | 92,975                   | 1.5      | 40,922                         | 1.1      | 10,380                                   | .6       | 28,626             | 4.3      | 8,384     | 14.1     |
| South Atlantic.....                    | 1,112,593                | 8.3      | 310,381                        | 3.9      | 4,202                                    | .8       | 31,328             | 10.4     | 682,055   | 18.7     |
| 10 to 20 years.....                    | 153,182                  | 4.1      | 41,905                         | 1.7      | 483                                      | .3       | 180                | 1.5      | 109,634   | 9.5      |
| 21 years and over.....                 | 859,341                  | 10.2     | 268,476                        | 4.9      | 3,719                                    | 1.0      | 31,148             | 10.8     | 552,521   | 25.0     |
| Urban, total.....                      | 220,729                  | 4.7      | 38,590                         | 1.4      | 2,228                                    | .6       | 21,604             | 9.8      | 157,917   | 13.2     |
| Rural, total.....                      | 791,794                  | 10.5     | 271,701                        | 5.3      | 1,974                                    | 1.5      | 9,724              | 12.1     | 604,138   | 23.2     |
| East South Central.....                | 727,981                  | 9.6      | 268,052                        | 5.1      | 2,078                                    | 1.2      | 4,238              | 7.4      | 452,082   | 22.0     |
| 10 to 20 years.....                    | 68,970                   | 4.2      | 38,826                         | 2.3      | 137                                      | .5       | 18                 | 1.1      | 59,553    | 9.2      |
| 21 years and over.....                 | 628,561                  | 12.0     | 229,226                        | 6.3      | 1,941                                    | 1.3      | 4,220              | 7.6      | 392,510   | 28.0     |
| Urban, total.....                      | 131,540                  | 5.4      | 24,955                         | 1.7      | 746                                      | .6       | 2,721              | 6.6      | 93,010    | 14.8     |
| Rural, total.....                      | 606,312                  | 11.5     | 243,097                        | 6.4      | 1,332                                    | 2.8      | 1,517              | 9.6      | 359,063   | 25.2     |
| West South Central.....                | 675,791                  | 7.2      | 172,288                        | 2.7      | 10,181                                   | 2.0      | 15,958             | 9.4      | 302,880   | 17.0     |
| 10 to 20 years.....                    | 101,159                  | 3.6      | 24,052                         | 1.2      | 1,150                                    | 1.1      | 91                 | 2.0      | 35,062    | 6.5      |
| 21 years and over.....                 | 574,632                  | 8.7      | 148,234                        | 3.3      | 9,031                                    | 2.2      | 15,867             | 9.6      | 267,818   | 21.6     |
| Urban, total.....                      | 157,892                  | 4.4      | 23,214                         | 1.0      | 2,929                                    | 1.1      | 7,594              | 7.8      | 70,728    | 11.4     |
| Rural, total.....                      | 517,899                  | 8.9      | 149,072                        | 3.7      | 7,252                                    | 3.0      | 8,364              | 11.6     | 231,652   | 20.0     |
| Mountain.....                          | 120,886                  | 4.2      | 26,730                         | 1.5      | 2,318                                    | .4       | 15,962             | 5.8      | 1,070     | 4.1      |
| 10 to 20 years.....                    | 13,462                   | 1.7      | 2,702                          | .5       | 354                                      | .2       | 93                 | 1.0      | 51        | 1.1      |
| 21 years and over.....                 | 107,404                  | 5.1      | 24,028                         | 2.0      | 1,962                                    | .4       | 15,869             | 5.7      | 1,019     | 4.8      |
| Urban, total.....                      | 22,478                   | 1.9      | 4,611                          | .7       | 833                                      | .3       | 6,522              | 4.9      | 622       | 3.4      |
| Rural, total.....                      | 98,388                   | 5.7      | 22,119                         | 2.1      | 1,483                                    | .5       | 9,440              | 6.2      | 448       | 5.8      |
| Pacific.....                           | 148,082                  | 2.1      | 9,917                          | .3       | 4,997                                    | .3       | 56,448             | 4.9      | 2,371     | 3.1      |
| 10 to 20 years.....                    | 5,865                    | .4       | 1,533                          | .2       | 884                                      | .2       | 334                | .6       | 50        | .4       |
| 21 years and over.....                 | 140,217                  | 2.6      | 8,384                          | .3       | 4,113                                    | .3       | 56,112             | 5.1      | 2,321     | 3.6      |
| Urban, total.....                      | 79,290                   | 1.7      | 3,738                          | .2       | 2,326                                    | .2       | 33,727             | 4.1      | 1,060     | 2.5      |
| Rural, total.....                      | 66,792                   | 3.1      | 6,179                          | .5       | 2,671                                    | .6       | 22,719             | 7.0      | 681       | 6.9      |

<sup>1</sup> Includes Indians, Chinese, Japanese, and other nonwhite not shown separately.

<sup>2</sup> Figures for native white of foreign or mixed parentage and for foreign-born white in 1920 include persons of the Mexican race who were given a separate classification in 1930.

Source: Bureau of the Census, Department of Commerce.



# No. 34.—ILLITERATE PERSONS 10 YEARS OF AGE AND OVER AND 21 YEARS OF AGE AND OVER: By States, 1930

| Division and State        | Number of illiterate persons 10 years of age and over |           |           |              |                    | Illiterate persons of voting age |           |           |
|---------------------------|-------------------------------------------------------|-----------|-----------|--------------|--------------------|----------------------------------|-----------|-----------|
|                           | All classes <sup>1</sup>                              |           |           | Native white | Foreign-born white | Negro                            | Male      | Female    |
|                           | Total                                                 | Male      | Female    |              |                    |                                  |           |           |
| Continental United States | 4,283,763                                             | 2,198,293 | 2,085,460 | 1,103,134    | 1,304,084          | 1,513,892                        | 1,942,729 | 1,920,486 |
| New England               | 245,270                                               | 110,237   | 135,033   | 50,129       | 210,048            | 4,187                            | 107,189   | 132,821   |
| Maine                     | 17,172                                                | 10,204    | 6,878     | 8,617        | 8,393              | 43                               | 9,580     | 6,512     |
| New Hampshire             | 10,231                                                | 5,341     | 4,890     | 2,366        | 7,820              | 27                               | 5,156     | 4,772     |
| Vermont                   | 6,299                                                 | 3,305     | 2,494     | 3,261        | 3,005              | 22                               | 3,635     | 2,378     |
| Massachusetts             | 124,158                                               | 52,933    | 71,222    | 9,652        | 111,568            | 2,303                            | 51,766    | 70,159    |
| Rhode Island              | 27,636                                                | 12,027    | 15,509    | 2,732        | 24,124             | 636                              | 11,742    | 15,247    |
| Connecticut               | 69,874                                                | 25,834    | 34,040    | 3,501        | 55,136             | 1,167                            | 25,310    | 33,553    |
| Middle Atlantic           | 757,228                                               | 337,079   | 420,149   | 82,743       | 636,479            | 32,223                           | 327,351   | 410,815   |
| New York                  | 388,883                                               | 165,262   | 223,621   | 34,054       | 341,345            | 8,604                            | 160,435   | 218,745   |
| New Jersey                | 128,022                                               | 57,651    | 70,371    | 11,572       | 107,192            | 8,711                            | 56,065    | 68,867    |
| Pennsylvania              | 240,323                                               | 114,166   | 126,157   | 36,517       | 187,942            | 14,908                           | 110,551   | 123,203   |
| East North Central        | 442,084                                               | 223,325   | 218,759   | 110,284      | 281,645            | 36,454                           | 215,661   | 212,796   |
| Ohio                      | 123,804                                               | 63,480    | 80,316    | 32,387       | 74,131             | 16,213                           | 61,239    | 68,493    |
| Indiana                   | 43,721                                                | 24,609    | 19,112    | 22,510       | 13,536             | 5,605                            | 23,605    | 18,442    |
| Illinois                  | 153,507                                               | 73,953    | 79,554    | 28,284       | 108,984            | 10,044                           | 71,756    | 77,748    |
| Michigan                  | 76,800                                                | 38,620    | 38,180    | 14,790       | 55,034             | 4,201                            | 37,340    | 37,233    |
| Wisconsin                 | 44,232                                                | 22,654    | 21,578    | 12,313       | 29,960             | 391                              | 21,721    | 20,880    |
| West North Central        | 158,068                                               | 83,185    | 72,803    | 68,858       | 51,982             | 21,170                           | 77,263    | 69,034    |
| Minnesota                 | 26,302                                                | 13,185    | 13,117    | 7,244        | 16,769             | 100                              | 12,428    | 12,543    |
| Iowa                      | 15,879                                                | 8,024     | 7,855     | 8,177        | 5,952              | 777                              | 8,008     | 6,762     |
| Missouri                  | 67,905                                                | 38,163    | 29,742    | 39,252       | 11,183             | 16,532                           | 35,394    | 28,181    |
| North Dakota              | 7,814                                                 | 3,850     | 3,964     | 1,763        | 4,649              | 11                               | 3,456     | 3,704     |
| South Dakota              | 6,763                                                 | 3,191     | 3,572     | 1,639        | 2,422              | 12                               | 2,942     | 3,274     |
| Nebraska                  | 12,725                                                | 6,124     | 6,601     | 3,762        | 6,022              | 450                              | 5,709     | 6,287     |
| Kansas                    | 18,580                                                | 10,028    | 8,552     | 7,001        | 4,113              | 3,228                            | 9,326     | 8,163     |
| South Atlantic            | 1,012,593                                             | 556,456   | 457,067   | 314,583      | 31,328             | 662,055                          | 455,746   | 403,595   |
| Delaware                  | 7,805                                                 | 4,100     | 3,645     | 1,896        | 2,392              | 3,496                            | 3,984     | 3,530     |
| Maryland                  | 49,910                                                | 26,987    | 22,923    | 13,202       | 11,539             | 25,073                           | 25,105    | 21,807    |
| Dist. of Columbia         | 6,011                                                 | 2,827     | 3,784     | 533          | 1,411              | 5,091                            | 2,741     | 3,715     |
| Virginia                  | 162,588                                               | 93,666    | 68,922    | 65,482       | 1,738              | 95,148                           | 78,805    | 61,045    |
| West Virginia             | 62,492                                                | 36,791    | 25,701    | 42,476       | 9,788              | 10,173                           | 33,224    | 23,629    |
| North Carolina            | 236,261                                               | 130,482   | 105,779   | 93,372       | 460                | 139,105                          | 107,944   | 94,279    |
| South Carolina            | 192,878                                               | 98,523    | 93,355    | 36,246       | 297                | 156,065                          | 74,332    | 77,980    |
| Georgia                   | 210,736                                               | 115,869   | 94,867    | 46,898       | 554                | 163,237                          | 91,613    | 83,459    |
| Florida                   | 83,242                                                | 45,151    | 38,091    | 14,478       | 3,159              | 65,167                           | 37,998    | 33,545    |
| East South Central        | 727,861                                               | 405,309   | 322,552   | 270,130      | 4,238              | 452,082                          | 342,070   | 286,821   |
| Kentucky                  | 131,545                                               | 77,834    | 53,711    | 101,695      | 1,267              | 28,553                           | 66,858    | 48,047    |
| Tennessee                 | 146,400                                               | 84,489    | 60,971    | 87,406       | 754                | 57,251                           | 71,939    | 54,985    |
| Alabama                   | 251,095                                               | 133,645   | 117,450   | 60,959       | 1,335              | 188,673                          | 110,595   | 103,369   |
| Mississippi               | 199,761                                               | 109,341   | 90,420    | 20,070       | 882                | 177,605                          | 92,708    | 80,430    |
| West South Central        | 675,791                                               | 350,340   | 325,451   | 188,487      | 15,956             | 302,280                          | 293,650   | 280,662   |
| Arkansas                  | 96,818                                                | 53,666    | 43,152    | 35,890       | 686                | 60,102                           | 45,541    | 38,658    |
| Louisiana                 | 219,750                                               | 109,745   | 110,005   | 71,903       | 6,677              | 139,393                          | 93,524    | 97,725    |
| Oklahoma                  | 51,102                                                | 30,114    | 20,988    | 27,796       | 1,479              | 12,560                           | 26,141    | 18,948    |
| Texas                     | 308,121                                               | 156,815   | 151,306   | 46,878       | 7,136              | 90,225                           | 128,444   | 125,655   |
| Mountain                  | 120,866                                               | 57,857    | 63,009    | 29,046       | 15,962             | 1,070                            | 51,435    | 55,969    |
| Montana                   | 7,303                                                 | 4,042     | 3,261     | 932          | 3,085              | 52                               | 3,873     | 3,116     |
| Idaho                     | 3,743                                                 | 2,177     | 1,566     | 1,151        | 1,198              | 25                               | 2,045     | 1,475     |
| Wyoming                   | 2,895                                                 | 1,674     | 1,221     | 381          | 811                | 47                               | 1,541     | 1,102     |
| Colorado                  | 23,141                                                | 10,716    | 12,425    | 5,807        | 7,331              | 403                              | 9,962     | 11,646    |
| New Mexico                | 41,845                                                | 18,329    | 23,516    | 15,733       | 630                | 140                              | 15,739    | 20,567    |
| Arizona                   | 33,989                                                | 16,309    | 17,680    | 960          | 551                | 386                              | 13,094    | 14,998    |
| Utah                      | 4,640                                                 | 2,642     | 1,998     | 952          | 1,547              | 30                               | 2,390     | 1,765     |
| Nevada                    | 3,300                                                 | 1,968     | 1,332     | 130          | 909                | 7                                | 1,891     | 1,300     |
| Pacific                   | 146,082                                               | 75,625    | 70,557    | 14,914       | 56,448             | 2,371                            | 72,364    | 67,863    |
| Washington                | 13,458                                                | 7,043     | 6,415     | 3,031        | 7,103              | 174                              | 6,527     | 6,107     |
| Oregon                    | 7,814                                                 | 4,423     | 3,391     | 2,043        | 3,743              | 40                               | 4,170     | 3,201     |
| California                | 124,810                                               | 64,059    | 60,751    | 9,840        | 45,600             | 2,148                            | 61,667    | 58,545    |

<sup>1</sup> The total includes 362,843 illiterate persons among the Mexicans, Indians, Chinese, Japanese, and other nonwhite population.

Source: Bureau of the Census, Department of Commerce.

## No. 35.—PERCENTAGE OF ILLITERACY: BY STATES

| Division and State             | Per cent illiterate among persons 10 years of age and over |      |      |        |                   |      |                    |      |       |      | Per cent illiterate among persons of voting age, 1930 |        |
|--------------------------------|------------------------------------------------------------|------|------|--------|-------------------|------|--------------------|------|-------|------|-------------------------------------------------------|--------|
|                                | All classes                                                |      | Male | Female | Native white      |      | Foreign-born white |      | Negro |      | Male                                                  | Female |
|                                | 1920                                                       | 1930 | 1930 | 1930   | 1920 <sup>1</sup> | 1930 | 1920 <sup>1</sup>  | 1930 | 1920  | 1930 |                                                       |        |
| Continental United States..... | 6.0                                                        | 4.3  | 4.4  | 4.3    | 2.0               | 1.5  | 13.1               | 9.9  | 22.9  | 16.3 | 5.2                                                   | 5.4    |
| New England.....               | 4.9                                                        | 3.7  | 3.4  | 3.9    | .7                | .6   | 14.0               | 11.6 | 7.1   | 5.5  | 4.3                                                   | 5.1    |
| Maine.....                     | 3.3                                                        | 2.7  | 3.2  | 2.1    | 1.6               | 1.6  | 11.1               | 8.5  | 5.9   | 4.3  | 3.9                                                   | 2.7    |
| New Hampshire.....             | 4.4                                                        | 2.7  | 2.3  | 2.5    | .7                | .8   | 15.4               | 9.6  | 6.7   | 3.9  | 3.5                                                   | 3.2    |
| Vermont.....                   | 3.0                                                        | 2.2  | 2.6  | 1.7    | 1.5               | 1.3  | 11.3               | 7.2  | 6.2   | 4.9  | 3.2                                                   | 2.2    |
| Massachusetts.....             | 4.7                                                        | 3.5  | 3.1  | 3.9    | .4                | .4   | 12.8               | 10.7 | 6.8   | 5.4  | 4.0                                                   | 5.0    |
| Rhode Island.....              | 0.5                                                        | 4.9  | 4.4  | 5.4    | .7                | .7   | 16.5               | 14.3 | 10.2  | 8.1  | 5.8                                                   | 7.0    |
| Connecticut.....               | 6.2                                                        | 4.5  | 3.9  | 5.1    | .4                | .4   | 17.0               | 14.0 | 6.2   | 4.9  | 5.2                                                   | 6.8    |
| Middle Atlantic.....           | 4.9                                                        | 3.5  | 3.1  | 3.9    | .8                | .5   | 15.7               | 12.2 | 5.0   | 3.7  | 4.0                                                   | 5.1    |
| New York.....                  | 5.1                                                        | 3.7  | 3.1  | 4.3    | .5                | .5   | 14.2               | 10.8 | 2.9   | 2.5  | 3.9                                                   | 5.4    |
| New Jersey.....                | 5.1                                                        | 3.8  | 3.5  | 4.2    | .6                | .5   | 15.3               | 12.9 | 6.1   | 5.1  | 4.4                                                   | 5.5    |
| Pennsylvania.....              | 4.6                                                        | 3.1  | 2.9  | 3.3    | .8                | .6   | 18.9               | 15.4 | 6.1   | 4.2  | 3.9                                                   | 4.4    |
| East North Central.....        | 2.9                                                        | 2.1  | 2.1  | 2.2    | .9                | .7   | 10.8               | 8.6  | 7.3   | 4.7  | 2.7                                                   | 2.3    |
| Ohio.....                      | 2.8                                                        | 2.3  | 2.3  | 2.2    | .9                | .7   | 12.6               | 11.6 | 8.1   | 6.4  | 2.9                                                   | 2.9    |
| Indiana.....                   | 2.2                                                        | 1.7  | 1.8  | 1.5    | 1.3               | .9   | 11.8               | 10.1 | 9.5   | 6.0  | 2.3                                                   | 1.9    |
| Illinois.....                  | 3.4                                                        | 2.4  | 2.3  | 2.6    | .8                | .6   | 11.0               | 9.0  | 6.7   | 3.6  | 2.9                                                   | 3.3    |
| Michigan.....                  | 3.0                                                        | 2.0  | 1.9  | 2.1    | .7                | .5   | 9.9                | 6.7  | 4.2   | 3.0  | 2.4                                                   | 2.7    |
| Wisconsin.....                 | 2.4                                                        | 1.9  | 1.8  | 1.9    | .7                | .6   | 8.4                | 7.8  | 4.1   | 4.4  | 2.4                                                   | 2.5    |
| West North Central.....        | 2.0                                                        | 1.4  | 1.5  | 1.4    | .9                | .7   | 6.4                | 4.9  | 10.5  | 7.6  | 1.9                                                   | 1.3    |
| Minnesota.....                 | 1.8                                                        | 1.3  | 1.2  | 1.3    | .4                | .4   | 5.4                | 4.3  | 3.1   | 2.0  | 1.6                                                   | 1.7    |
| Iowa.....                      | 1.1                                                        | .8   | .8   | .7     | .5                | .4   | 4.9                | 3.6  | 3.1   | 5.4  | 1.0                                                   | .9     |
| Missouri.....                  | 3.0                                                        | 2.3  | 2.6  | 2.0    | 2.0               | 1.5  | 9.6                | 7.5  | 12.1  | 8.8  | 3.1                                                   | 2.5    |
| North Dakota.....              | 2.1                                                        | 1.5  | 1.4  | 1.6    | .4                | .4   | 5.6                | 4.4  | 4.0   | 3.4  | 1.3                                                   | 2.3    |
| South Dakota.....              | 1.7                                                        | 1.2  | 1.1  | 1.4    | .4                | .4   | 4.7                | 3.7  | 5.2   | 2.2  | 1.4                                                   | 1.9    |
| Nebraska.....                  | 1.4                                                        | 1.2  | 1.1  | 1.2    | .4                | .4   | 6.4                | 6.0  | 4.8   | 3.9  | 1.4                                                   | 1.6    |
| Kansas.....                    | 1.6                                                        | 1.2  | 1.3  | 1.2    | .6                | .5   | 10.5               | 5.9  | 8.8   | 5.9  | 1.6                                                   | 1.5    |
| South Atlantic.....            | 11.5                                                       | 8.3  | 9.2  | 7.5    | 5.1               | 3.7  | 12.8               | 10.4 | 25.2  | 19.7 | 10.9                                                  | 9.5    |
| Delaware.....                  | 5.9                                                        | 4.0  | 4.2  | 3.8    | 1.8               | 1.2  | 17.3               | 14.3 | 19.1  | 13.2 | 5.2                                                   | 4.9    |
| Maryland.....                  | 5.6                                                        | 3.8  | 4.1  | 3.5    | 1.8               | 1.3  | 13.4               | 12.2 | 18.2  | 11.4 | 5.0                                                   | 4.4    |
| District of Columbia.....      | 2.8                                                        | 1.6  | 1.4  | 1.7    | .3                | .2   | 6.1                | 4.8  | 8.6   | 4.1  | 1.7                                                   | 2.1    |
| Virginia.....                  | 11.2                                                       | 8.7  | 10.0 | 7.4    | 5.9               | 4.8  | 7.1                | 7.4  | 23.5  | 19.2 | 12.1                                                  | 9.5    |
| West Virginia.....             | 6.4                                                        | 4.8  | 5.5  | 4.1    | 4.6               | 3.7  | 24.0               | 19.2 | 15.3  | 11.3 | 7.0                                                   | 5.5    |
| North Carolina.....            | 13.1                                                       | 10.0 | 11.2 | 8.9    | 8.2               | 5.6  | 6.8                | 5.2  | 24.5  | 20.6 | 14.2                                                  | 12.0   |
| South Carolina.....            | 18.1                                                       | 14.9 | 15.8 | 14.1   | 6.5               | 5.1  | 6.2                | 5.7  | 29.3  | 26.9 | 18.8                                                  | 18.4   |
| Georgia.....                   | 15.3                                                       | 9.4  | 10.6 | 8.3    | 5.4               | 3.3  | 5.4                | 4.0  | 29.1  | 19.9 | 12.5                                                  | 10.9   |
| Florida.....                   | 9.6                                                        | 7.1  | 7.7  | 6.5    | 2.9               | 1.9  | 6.3                | 5.4  | 21.5  | 18.8 | 8.7                                                   | 7.8    |
| East South Central.....        | 12.7                                                       | 9.6  | 10.8 | 8.5    | 6.4               | 5.0  | 8.1                | 7.4  | 27.9  | 22.0 | 13.1                                                  | 11.0   |
| Kentucky.....                  | 8.4                                                        | 6.6  | 7.7  | 5.4    | 7.0               | 5.7  | 7.3                | 5.8  | 21.0  | 15.4 | 9.3                                                   | 6.8    |
| Tennessee.....                 | 10.3                                                       | 7.2  | 8.4  | 6.0    | 7.3               | 5.4  | 8.3                | 5.8  | 22.4  | 14.9 | 10.3                                                  | 7.7    |
| Alabama.....                   | 16.1                                                       | 12.6 | 13.5 | 11.6   | 6.3               | 4.8  | 10.9               | 8.5  | 31.3  | 26.2 | 16.6                                                  | 15.2   |
| Mississippi.....               | 17.2                                                       | 13.1 | 14.4 | 11.8   | 3.6               | 2.7  | 13.3               | 12.6 | 29.3  | 23.2 | 18.0                                                  | 15.6   |
| West South Central.....        | 10.0                                                       | 7.2  | 7.3  | 7.0    | 4.1               | 2.6  | 29.9               | 9.4  | 25.3  | 17.0 | 8.7                                                   | 8.7    |
| Arkansas.....                  | 9.4                                                        | 6.8  | 7.4  | 6.2    | 4.5               | 3.5  | 3.3                | 6.6  | 21.8  | 16.1 | 9.2                                                   | 8.2    |
| Louisiana.....                 | 21.9                                                       | 13.5 | 13.6 | 13.5   | 10.5              | 7.3  | 21.9               | 19.2 | 38.5  | 23.3 | 16.5                                                  | 17.2   |
| Oklahoma.....                  | 3.8                                                        | 2.8  | 3.2  | 2.4    | 2.3               | 1.7  | 14.0               | 5.6  | 12.4  | 9.3  | 3.9                                                   | 3.1    |
| Texas.....                     | 8.3                                                        | 6.8  | 6.8  | 6.8    | 3.0               | 1.4  | 33.8               | 7.3  | 17.8  | 13.4 | 7.8                                                   | 8.0    |
| Mountain.....                  | 5.2                                                        | 4.2  | 3.7  | 4.8    | 2.0               | 1.2  | 12.7               | 5.6  | 5.3   | 4.1  | 4.6                                                   | 5.5    |
| Montana.....                   | 2.3                                                        | 1.7  | 1.7  | 1.7    | .3                | .3   | 5.6                | 4.3  | 6.0   | 4.6  | 2.1                                                   | 2.3    |
| Idaho.....                     | 1.5                                                        | 1.1  | 1.2  | 1.0    | .3                | .4   | 6.5                | 4.0  | 5.4   | 4.2  | 1.5                                                   | 1.3    |
| Wyoming.....                   | 2.1                                                        | 1.6  | 1.7  | 1.6    | .3                | .3   | 9.0                | 4.2  | 5.3   | 4.2  | 2.0                                                   | 2.0    |
| Colorado.....                  | 3.2                                                        | 2.8  | 2.5  | 3.1    | 1.4               | .8   | 12.4               | 8.6  | 6.2   | 3.9  | 3.1                                                   | 3.9    |
| New Mexico.....                | 15.6                                                       | 13.3 | 11.2 | 15.7   | 11.6              | 7.7  | 27.1               | 6.8  | 4.3   | 6.0  | 13.0                                                  | 20.3   |
| Arizona.....                   | 15.3                                                       | 10.1 | 9.0  | 11.4   | 2.1               | .5   | 27.5               | 6.6  | 4.6   | 4.0  | 10.4                                                  | 13.7   |
| Utah.....                      | 1.9                                                        | 1.2  | 1.3  | 1.1    | .3                | .3   | 6.3                | 3.0  | 4.6   | 3.2  | 1.7                                                   | 1.4    |
| Nevada.....                    | 5.9                                                        | 4.4  | 4.3  | 4.5    | .4                | .2   | 8.5                | 7.5  | 5.1   | 1.5  | 5.0                                                   | 5.6    |
| Pacific.....                   | 2.7                                                        | 2.1  | 2.1  | 2.1    | .4                | .3   | 8.6                | 4.9  | 4.8   | 3.1  | 2.5                                                   | 2.6    |
| Washington.....                | 1.7                                                        | 1.0  | 1.0  | 1.0    | .3                | .3   | 4.7                | 2.9  | 4.0   | 2.9  | 1.2                                                   | 1.3    |
| Oregon.....                    | 1.5                                                        | 1.0  | 1.0  | .9     | .4                | .3   | 6.1                | 3.6  | 4.7   | 2.5  | 1.3                                                   | 1.1    |
| California.....                | 3.3                                                        | 2.6  | 2.5  | 2.6    | .4                | .3   | 10.5               | 5.7  | 4.7   | 3.1  | 3.0                                                   | 3.2    |

<sup>1</sup> A part of the decreases from 1920 to 1930 in the percentage illiterate in some States is doubtless due to the separate classification in 1930 of Mexicans who were included in 1920 with the white population.

Source: Bureau of the Census, Department of Commerce.

## No. 36.—MARTIAL CONDITION OF PERSONS 15 YEARS

| Division and State        | Males 15 years of age and over |            |            |           |          |         |                   |         |         |
|---------------------------|--------------------------------|------------|------------|-----------|----------|---------|-------------------|---------|---------|
|                           | Number                         |            |            |           |          |         | Per cent of total |         |         |
|                           | Total                          | Single     | Married    | Widowed   | Divorced | Unknown | Single            | Married | Widowed |
| Continental United States | 43,881,021                     | 14,953,712 | 23,327,109 | 2,026,036 | 459,478  | 55,698  | 34.1              | 60.0    | 4.6     |
| New England.....          | 2,901,430                      | 1,024,340  | 1,701,384  | 146,012   | 24,538   | 4,606   | 35.3              | 58.7    | 5.0     |
| Maine.....                | 285,114                        | 90,560     | 172,525    | 17,444    | 4,102    | 474     | 31.8              | 60.5    | 6.1     |
| New Hampshire.....        | 108,405                        | 54,469     | 100,586    | 10,680    | 2,545    | 185     | 32.3              | 59.7    | 6.3     |
| Vermont.....              | 131,484                        | 44,303     | 77,076     | 8,232     | 1,779    | 94      | 33.7              | 58.6    | 6.3     |
| Massachusetts.....        | 1,501,904                      | 545,566    | 870,510    | 72,410    | 10,610   | 2,808   | 36.3              | 58.0    | 4.8     |
| Rhode Island.....         | 238,674                        | 84,434     | 140,310    | 11,568    | 2,070    | 262     | 35.4              | 58.8    | 4.8     |
| Connecticut.....          | 575,789                        | 204,990    | 340,877    | 25,678    | 3,482    | 753     | 35.6              | 59.2    | 4.5     |
| Middle Atlantic.....      | 2,580,822                      | 3,413,872  | 5,373,131  | 421,004   | 50,541   | 22,634  | 35.6              | 59.2    | 4.4     |
| New York.....             | 4,714,608                      | 1,718,371  | 2,761,908  | 197,167   | 22,117   | 15,055  | 36.4              | 58.6    | 4.2     |
| New Jersey.....           | 1,470,169                      | 512,215    | 892,349    | 62,415    | 7,137    | 2,043   | 34.7              | 60.5    | 4.2     |
| Pennsylvania.....         | 3,390,215                      | 1,183,086  | 2,018,874  | 161,432   | 21,287   | 5,338   | 34.9              | 59.0    | 4.8     |
| East North Central.....   | 2,378,073                      | 3,100,837  | 5,701,736  | 435,533   | 126,309  | 13,608  | 33.1              | 60.8    | 4.6     |
| Ohio.....                 | 2,436,685                      | 769,282    | 1,514,131  | 117,191   | 33,096   | 2,385   | 31.6              | 62.1    | 4.8     |
| Indiana.....              | 1,135,534                      | 351,010    | 750,884    | 62,775    | 18,076   | 1,839   | 29.7              | 63.3    | 5.3     |
| Illinois.....             | 2,890,347                      | 985,343    | 1,715,640  | 127,762   | 35,562   | 5,040   | 34.3              | 59.8    | 4.5     |
| Michigan.....             | 1,806,630                      | 601,745    | 1,095,563  | 78,849    | 28,161   | 2,212   | 33.3              | 60.6    | 4.4     |
| Wisconsin.....            | 1,070,977                      | 392,557    | 625,578    | 48,946    | 10,814   | 2,082   | 36.3              | 57.9    | 4.5     |
| West North Central.....   | 4,344,547                      | 1,073,562  | 2,876,764  | 227,980   | 68,184   | 8,087   | 34.5              | 59.4    | 4.7     |
| Minnesota.....            | 939,795                        | 307,844    | 620,870    | 41,981    | 8,135    | 965     | 39.1              | 55.4    | 4.5     |
| Iowa.....                 | 869,823                        | 298,856    | 545,117    | 43,180    | 11,768   | 916     | 33.2              | 60.6    | 4.8     |
| Missouri.....             | 1,330,551                      | 415,233    | 825,917    | 68,248    | 18,442   | 2,711   | 31.2              | 62.1    | 5.1     |
| North Dakota.....         | 241,350                        | 104,297    | 125,670    | 9,269     | 1,611    | 503     | 43.2              | 52.1    | 3.8     |
| South Dakota.....         | 240,400                        | 97,168     | 138,870    | 10,447    | 2,314    | 610     | 30.0              | 55.7    | 4.2     |
| Nebraska.....             | 498,502                        | 172,548    | 297,725    | 21,604    | 5,645    | 890     | 34.6              | 59.7    | 4.4     |
| Kansas.....               | 685,114                        | 217,606    | 422,505    | 33,161    | 9,279    | 1,473   | 31.8              | 61.7    | 4.8     |
| South Atlantic.....       | 5,187,443                      | 1,757,614  | 3,129,689  | 233,004   | 36,338   | 10,798  | 34.0              | 60.6    | 4.5     |
| Delaware.....             | 88,880                         | 30,608     | 52,694     | 4,712     | 661      | 251     | 34.4              | 59.3    | 5.3     |
| Maryland.....             | 588,895                        | 205,202    | 348,063    | 28,854    | 4,869    | 1,907   | 34.8              | 59.1    | 4.9     |
| District of Columbia..... | 181,673                        | 63,695     | 107,418    | 8,113     | 1,808    | 639     | 35.1              | 60.1    | 4.5     |
| Virginia.....             | 802,623                        | 284,780    | 473,870    | 35,948    | 5,801    | 2,224   | 35.5              | 59.0    | 4.5     |
| West Virginia.....        | 575,638                        | 195,006    | 352,122    | 22,899    | 5,183    | 1,228   | 33.9              | 61.2    | 4.0     |
| North Carolina.....       | 998,308                        | 336,350    | 589,230    | 37,605    | 3,815    | 1,293   | 34.7              | 60.9    | 3.9     |
| South Carolina.....       | 516,766                        | 180,410    | 312,653    | 21,918    | 1,418    | 361     | 34.9              | 60.6    | 4.2     |
| Georgia.....              | 920,871                        | 304,704    | 569,612    | 45,205    | 6,341    | 1,109   | 32.9              | 61.4    | 4.0     |
| Florida.....              | 517,783                        | 156,884    | 324,121    | 27,750    | 6,442    | 2,583   | 30.3              | 62.6    | 5.4     |
| East South Central.....   | 3,214,755                      | 1,005,370  | 2,016,400  | 158,157   | 31,127   | 5,701   | 31.3              | 62.7    | 4.9     |
| Kentucky.....             | 870,198                        | 270,330    | 546,342    | 43,573    | 9,005    | 939     | 31.1              | 62.8    | 5.0     |
| Tennessee.....            | 864,634                        | 270,671    | 541,796    | 41,673    | 8,269    | 2,225   | 31.3              | 62.7    | 4.8     |
| Alabama.....              | 835,240                        | 266,977    | 521,268    | 38,946    | 7,307    | 748     | 32.0              | 62.4    | 4.7     |
| Mississippi.....          | 644,677                        | 197,383    | 406,994    | 31,965    | 6,546    | 1,789   | 30.6              | 63.1    | 5.0     |
| West South Central.....   | 4,144,135                      | 1,325,261  | 2,565,028  | 195,546   | 53,534   | 4,788   | 32.0              | 61.9    | 4.7     |
| Arkansas.....             | 613,805                        | 183,707    | 389,325    | 33,197    | 7,057    | 519     | 29.9              | 63.4    | 5.4     |
| Louisiana.....            | 602,160                        | 230,262    | 422,603    | 32,460    | 6,121    | 814     | 33.3              | 61.0    | 4.7     |
| Oklahoma.....             | 823,058                        | 264,549    | 617,512    | 37,583    | 12,548   | 866     | 30.9              | 62.9    | 4.6     |
| Texas.....                | 2,015,112                      | 656,743    | 1,235,686  | 92,306    | 27,808   | 2,599   | 32.6              | 61.3    | 4.6     |
| Mountain.....             | 1,354,047                      | 480,101    | 775,861    | 62,515    | 24,269   | 2,301   | 35.1              | 57.3    | 4.6     |
| Montana.....              | 211,910                        | 80,283     | 111,496    | 9,397     | 4,338    | 396     | 40.7              | 52.6    | 4.4     |
| Idaho.....                | 163,154                        | 59,389     | 93,455     | 6,990     | 3,020    | 300     | 36.4              | 57.3    | 4.3     |
| Wyoming.....              | 93,966                         | 35,726     | 48,671     | 3,715     | 1,611    | 243     | 39.7              | 54.1    | 4.1     |
| Colorado.....             | 379,165                        | 125,015    | 227,494    | 18,895    | 6,938    | 823     | 33.0              | 60.0    | 5.0     |
| New Mexico.....           | 141,079                        | 47,817     | 83,637     | 7,038     | 1,078    | 109     | 33.9              | 59.2    | 5.0     |
| Arizona.....              | 158,621                        | 57,232     | 90,870     | 7,786     | 2,957    | 277     | 36.1              | 57.0    | 4.9     |
| Utah.....                 | 108,237                        | 59,334     | 100,785    | 5,842     | 2,153    | 123     | 35.3              | 59.9    | 3.5     |
| Nevada.....               | 41,915                         | 18,306     | 29,653     | 1,953     | 1,674    | 30      | 43.7              | 47.8    | 4.7     |
| Pacific.....              | 3,285,699                      | 1,163,955  | 1,886,558  | 147,295   | 84,558   | 13,203  | 35.3              | 57.2    | 4.5     |
| Washington.....           | 628,340                        | 224,798    | 357,702    | 28,951    | 14,876   | 2,019   | 35.8              | 56.9    | 4.6     |
| Oregon.....               | 331,529                        | 130,768    | 221,806    | 18,532    | 10,126   | 497     | 34.3              | 58.1    | 4.8     |
| California.....           | 2,285,734                      | 808,399    | 1,307,050  | 100,812   | 59,586   | 10,687  | 35.4              | 57.2    | 4.4     |

Source: Bureau of the Census, Department of Commerce.

## OF AGE AND OVER, BY SEX: BY STATES, 1930

| Females 15 years of age and over |              |              |             |          |              |                   |              |              |          | Division<br>and State |
|----------------------------------|--------------|--------------|-------------|----------|--------------|-------------------|--------------|--------------|----------|-----------------------|
| Number                           |              |              |             |          |              | Per cent of total |              |              |          |                       |
| Total                            | Single       | Married      | Widowed     | Divorced | Un-<br>known | Single            | Mar-<br>ried | Wid-<br>owed |          |                       |
| 42, 837, 149                     | 11, 308, 663 | 26, 170, 756 | 4, 734, 207 | 573, 148 | 52, 385      | 26.4              | 61.1         | 11.1         | U. S.    |                       |
| 3, 044, 692                      | 972, 313     | 1, 697, 891  | 340, 898    | 30, 705  | 3, 085       | 31.9              | 55.3         | 11.2         | N. E.    |                       |
| 283, 484                         | 72, 768      | 172, 270     | 33, 899     | 4, 211   | 336          | 25.7              | 60.8         | 12.0         | Me.      |                       |
| 171, 907                         | 48, 174      | 99, 922      | 21, 148     | 2, 534   | 129          | 28.0              | 58.1         | 12.3         | N. H.    |                       |
| 126, 417                         | 32, 274      | 76, 472      | 16, 004     | 1, 582   | 85           | 25.5              | 60.5         | 12.7         | Vt.      |                       |
| 1, 620, 410                      | 551, 802     | 869, 725     | 181, 875    | 15, 020  | 1, 898       | 34.1              | 53.7         | 11.2         | Mass.    |                       |
| 256, 835                         | 85, 282      | 140, 578     | 27, 821     | 3, 056   | 98           | 33.2              | 54.7         | 10.8         | R. I.    |                       |
| 585, 639                         | 181, 023     | 338, 724     | 60, 151     | 4, 302   | 539          | 31.1              | 57.8         | 10.3         | Conn.    |                       |
| 9, 547, 467                      | 2, 804, 829  | 5, 622, 781  | 1, 038, 836 | 64, 694  | 16, 637      | 29.4              | 58.9         | 10.9         | M. A.    |                       |
| 4, 721, 130                      | 1, 417, 657  | 2, 738, 073  | 522, 983    | 30, 506  | 10, 930      | 30.0              | 58.0         | 11.1         | N. Y.    |                       |
| 1, 470, 247                      | 416, 041     | 884, 506     | 158, 585    | 9, 678   | 1, 437       | 28.3              | 60.2         | 10.8         | N. J.    |                       |
| 3, 366, 081                      | 971, 131     | 1, 990, 302  | 357, 068    | 24, 300  | 4, 220       | 28.9              | 59.6         | 10.6         | Pa.      |                       |
| 8, 901, 167                      | 2, 246, 305  | 5, 640, 328  | 934, 140    | 132, 228 | 8, 170       | 25.1              | 62.9         | 10.4         | E. N. C. |                       |
| 2, 384, 808                      | 594, 443     | 1, 490, 574  | 255, 103    | 37, 165  | 1, 518       | 24.9              | 62.8         | 10.7         | Ohio.    |                       |
| 1, 155, 904                      | 262, 586     | 744, 090     | 128, 917    | 18, 458  | 1, 013       | 22.7              | 64.4         | 11.2         | Ind.     |                       |
| 2, 780, 510                      | 735, 489     | 1, 791, 891  | 299, 551    | 40, 186  | 3, 393       | 26.5              | 61.2         | 10.8         | Ill.     |                       |
| 1, 629, 915                      | 373, 677     | 1, 075, 586  | 164, 241    | 25, 269  | 1, 152       | 22.9              | 66.0         | 9.5          | Mich.    |                       |
| 1, 009, 970                      | 280, 110     | 621, 285     | 96, 323     | 11, 158  | 1, 094       | 27.7              | 61.5         | 9.5          | Wis.     |                       |
| 4, 632, 089                      | 1, 225, 894  | 2, 865, 584  | 475, 523    | 61, 808  | 3, 810       | 26.5              | 61.9         | 10.3         | W. N. C. |                       |
| 832, 618                         | 270, 487     | 519, 131     | 83, 104     | 9, 283   | 613          | 30.6              | 58.8         | 9.4          | Minn.    |                       |
| 872, 053                         | 226, 333     | 543, 422     | 89, 404     | 12, 224  | 600          | 26.0              | 62.3         | 10.3         | Iowa.    |                       |
| 1, 328, 759                      | 323, 109     | 825, 087     | 158, 222    | 21, 102  | 1, 179       | 24.3              | 62.1         | 11.9         | Mo.      |                       |
| 205, 764                         | 65, 124      | 124, 632     | 14, 292     | 1, 474   | 242          | 31.6              | 60.6         | 6.9          | N. Dak.  |                       |
| 218, 763                         | 61, 087      | 138, 030     | 17, 363     | 2, 021   | 262          | 27.9              | 63.1         | 7.9          | S. Dak.  |                       |
| 471, 298                         | 123, 988     | 296, 670     | 44, 089     | 6, 072   | 479          | 26.3              | 62.9         | 9.4          | Nehr.    |                       |
| 663, 414                         | 155, 706     | 418, 552     | 68, 939     | 9, 672   | 435          | 23.8              | 64.1         | 10.6         | Kans.    |                       |
| 5, 246, 825                      | 1, 414, 211  | 3, 145, 495  | 628, 831    | 53, 461  | 6, 527       | 27.0              | 60.0         | 11.9         | S. A.    |                       |
| 85, 270                          | 22, 203      | 52, 344      | 9, 937      | 731      | 61           | 26.0              | 61.4         | 11.7         | Del.     |                       |
| 582, 733                         | 158, 968     | 346, 675     | 69, 352     | 5, 853   | 1, 885       | 27.3              | 59.5         | 11.9         | Md.      |                       |
| 204, 556                         | 61, 769      | 100, 427     | 29, 766     | 2, 092   | 652          | 30.2              | 53.5         | 14.6         | D. C.    |                       |
| 800, 589                         | 224, 421     | 475, 428     | 92, 050     | 7, 765   | 925          | 28.0              | 60.4         | 11.5         | Va.      |                       |
| 832, 849                         | 133, 496     | 340, 568     | 46, 874     | 5, 600   | 311          | 25.1              | 65.0         | 8.8          | W. Va.   |                       |
| 1, 001, 408                      | 203, 855     | 596, 027     | 103, 850    | 6, 704   | 972          | 29.3              | 55.5         | 10.4         | N. C.    |                       |
| 553, 356                         | 100, 775     | 318, 837     | 70, 604     | 2, 067   | 392          | 29.1              | 57.6         | 12.8         | S. C.    |                       |
| 972, 461                         | 250, 859     | 573, 377     | 135, 213    | 12, 271  | 741          | 25.8              | 59.0         | 13.9         | Ga.      |                       |
| 513, 588                         | 107, 925     | 326, 812     | 60, 095     | 8, 878   | 878          | 21.0              | 63.8         | 13.5         | Fla.     |                       |
| 3, 263, 427                      | 787, 562     | 2, 020, 886  | 363, 040    | 48, 053  | 3, 892       | 24.2              | 62.1         | 12.1         | E. S. C. |                       |
| 855, 056                         | 204, 684     | 543, 928     | 95, 357     | 10, 411  | 676          | 23.9              | 63.6         | 11.2         | Ky.      |                       |
| 883, 297                         | 218, 534     | 543, 405     | 106, 237    | 13, 026  | 2, 005       | 24.7              | 61.5         | 12.0         | Tenn.    |                       |
| 861, 967                         | 214, 030     | 524, 158     | 110, 080    | 13, 019  | 671          | 24.8              | 60.8         | 12.8         | Ala.     |                       |
| 653, 107                         | 150, 305     | 409, 389     | 81, 366     | 11, 597  | 450          | 23.0              | 62.7         | 12.5         | Miss.    |                       |
| 3, 896, 245                      | 917, 077     | 2, 558, 815  | 445, 917    | 71, 142  | 3, 294       | 22.9              | 64.0         | 11.2         | W. S. C. |                       |
| 595, 127                         | 126, 367     | 388, 783     | 70, 231     | 9, 421   | 335          | 21.2              | 65.3         | 11.8         | Ark.     |                       |
| 708, 077                         | 178, 203     | 424, 774     | 89, 141     | 10, 142  | 817          | 25.3              | 60.4         | 12.7         | La.      |                       |
| 764, 569                         | 162, 984     | 513, 982     | 72, 782     | 14, 397  | 444          | 21.3              | 67.2         | 9.5          | Okla.    |                       |
| 1, 933, 472                      | 449, 553     | 1, 231, 276  | 213, 763    | 37, 182  | 1, 698       | 23.3              | 63.7         | 11.1         | Tex.     |                       |
| 1, 173, 018                      | 274, 085     | 761, 361     | 118, 811    | 19, 998  | 1, 613       | 23.4              | 64.9         | 9.9          | Mt.      |                       |
| 106, 045                         | 40, 263      | 108, 514     | 14, 503     | 2, 659   | 116          | 24.2              | 65.4         | 8.7          | Mont.    |                       |
| 136, 154                         | 31, 369      | 91, 745      | 10, 927     | 1, 995   | 128          | 23.0              | 67.4         | 8.0          | Idaho.   |                       |
| 97, 257                          | 14, 139      | 45, 831      | 5, 155      | 1, 057   | 75           | 21.0              | 69.6         | 7.7          | Wyo.     |                       |
| 357, 286                         | 83, 456      | 226, 078     | 40, 337     | 7, 013   | 352          | 23.4              | 63.3         | 11.3         | Colo.    |                       |
| 126, 045                         | 29, 828      | 82, 557      | 12, 852     | 1, 628   | 80           | 23.5              | 65.0         | 10.1         | N. Mex.  |                       |
| 133, 547                         | 28, 613      | 87, 791      | 14, 650     | 2, 348   | 145          | 21.4              | 65.7         | 11.0         | Ariz.    |                       |
| 168, 726                         | 41, 308      | 99, 613      | 15, 338     | 2, 357   | 110          | 26.0              | 62.8         | 9.7          | Utah.    |                       |
| 27, 108                          | 5, 109       | 18, 282      | 2, 849      | 911      | 7            | 18.8              | 67.3         | 10.5         | Nev.     |                       |
| 2, 981, 639                      | 684, 397     | 1, 857, 873  | 302, 611    | 91, 051  | 5, 707       | 22.3              | 62.3         | 12.2         | Pac.     |                       |
| 545, 790                         | 122, 694     | 352, 466     | 56, 054     | 13, 701  | 875          | 22.5              | 64.6         | 10.3         | Wash.    |                       |
| 339, 219                         | 74, 867      | 218, 946     | 36, 489     | 8, 783   | 134          | 22.1              | 64.5         | 10.8         | Oreg.    |                       |
| 2, 096, 630                      | 466, 836     | 1, 286, 461  | 270, 068    | 68, 567  | 4, 698       | 22.3              | 61.4         | 12.9         | Calif.   |                       |

# No. 37.—MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER: By SEX, RACE, AND NATIVITY, CONTINENTAL UNITED STATES

NOTE.—Figures for "All other" in 1930 include Mexicans; prior to 1930 Mexicans were classified for the most part as white. See footnote 2, Table 14. The marital condition of males and females 15 years of age and over by race and nativity for each geographic division and of white and negro persons for each State having a negro population of over 5 per cent of the total is shown in Statistical Abstract, 1931, Tables 23 and 24

| Class                                                 | Males 15 years and over |            |          |       | Females 15 years and over |            |          |       |
|-------------------------------------------------------|-------------------------|------------|----------|-------|---------------------------|------------|----------|-------|
|                                                       | Number                  |            | Per cent |       | Number                    |            | Per cent |       |
|                                                       | 1920                    | 1930       | 1920     | 1930  | 1920                      | 1930       | 1920     | 1930  |
| <b>All classes</b> .....                              | 38,920,063              | 43,881,021 | 100.0    | 100.0 | 35,177,515                | 42,837,149 | 100.0    | 100.0 |
| Single.....                                           | 12,967,565              | 14,953,712 | 35.1     | 34.1  | 9,616,902                 | 11,306,653 | 27.3     | 26.4  |
| Married.....                                          | 21,849,266              | 26,327,109 | 56.2     | 60.0  | 21,318,033                | 29,170,756 | 60.6     | 61.1  |
| Widowed.....                                          | 1,733,308               | 2,025,038  | 4.5      | 4.6   | 3,917,625                 | 4,734,207  | 11.1     | 11.1  |
| Divorced.....                                         | 235,234                 | 459,478    | .6       | 1.1   | 278,304                   | 573,148    | .8       | 1.3   |
| Unknown.....                                          | 110,240                 | 85,686     | .3       | .2    | 60,751                    | 62,385     | .1       | .1    |
| <b>White</b> .....                                    | 33,935,588              | 39,214,156 | 100.0    | 100.0 | 31,654,841                | 38,220,229 | 100.0    | 100.0 |
| Single.....                                           | 11,782,065              | 13,384,509 | 35.3     | 34.1  | 8,773,732                 | 10,229,305 | 27.7     | 26.8  |
| Married.....                                          | 19,085,113              | 23,033,312 | 59.1     | 60.2  | 19,210,238                | 23,444,243 | 60.7     | 61.8  |
| Widowed.....                                          | 1,549,164               | 1,745,213  | 4.6      | 4.5   | 3,399,062                 | 4,023,372  | 10.7     | 10.6  |
| Divorced.....                                         | 237,663                 | 428,073    | .6       | 1.1   | 228,565                   | 477,624    | .7       | 1.2   |
| Unknown.....                                          | 87,981                  | 73,049     | .3       | .2    | 43,644                    | 45,684     | .1       | .1    |
| <b>Native white, total</b> .....                      | 26,068,047              | 32,210,106 | 100.0    | 100.0 | 25,740,856                | 32,155,087 | 100.0    | 100.0 |
| Single.....                                           | 9,927,618               | 11,858,592 | 38.1     | 36.8  | 7,935,033                 | 9,459,175  | 30.8     | 29.4  |
| Married.....                                          | 14,735,171              | 18,042,713 | 56.7     | 57.9  | 15,086,735                | 19,200,900 | 58.6     | 59.7  |
| Widowed.....                                          | 1,111,116               | 1,282,341  | 4.3      | 4.0   | 2,450,407                 | 3,030,472  | 9.6      | 9.4   |
| Divorced.....                                         | 175,713                 | 305,243    | .7       | 1.1   | 200,069                   | 425,632    | .8       | 1.3   |
| Unknown.....                                          | 73,430                  | 61,217     | .3       | .2    | 35,872                    | 38,852     | .1       | .1    |
| <b>Native white, native parentage</b> .....           | 18,092,107              | 23,369,460 | 100.0    | 100.0 | 18,529,748                | 22,978,599 | 100.0    | 100.0 |
| Single.....                                           | 6,776,518               | 8,054,686  | 35.5     | 34.5  | 5,208,400                 | 6,254,818  | 28.4     | 27.2  |
| Married.....                                          | 11,244,289              | 14,013,140 | 58.9     | 60.0  | 11,195,865                | 14,143,668 | 60.4     | 61.6  |
| Widowed.....                                          | 874,821                 | 976,085    | 4.6      | 4.2   | 1,885,000                 | 2,227,860  | 10.2     | 9.7   |
| Divorced.....                                         | 134,789                 | 279,723    | .7       | 1.2   | 152,743                   | 324,768    | .8       | 1.4   |
| Unknown.....                                          | 61,090                  | 45,826     | .3       | .2    | 27,650                    | 27,495     | .1       | .1    |
| <b>Native white, foreign or mixed parentage</b> ..... | 6,990,940               | 8,840,646  | 100.0    | 100.0 | 7,211,108                 | 9,176,488  | 100.0    | 100.0 |
| Single.....                                           | 3,151,100               | 3,803,909  | 45.1     | 43.0  | 2,668,443                 | 3,204,357  | 37.0     | 34.9  |
| Married.....                                          | 3,560,882               | 4,629,573  | 50.8     | 52.4  | 3,890,870                 | 5,087,238  | 54.0     | 55.1  |
| Widowed.....                                          | 236,264                 | 306,256    | 3.4      | 3.5   | 695,407                   | 802,612    | 8.3      | 8.7   |
| Divorced.....                                         | 40,924                  | 85,520     | .6       | 1.0   | 48,166                    | 100,914    | .7       | 1.1   |
| Unknown.....                                          | 11,740                  | 15,391     | .2       | .2    | 8,222                     | 11,367     | .1       | .1    |
| <b>Foreign-born white</b> .....                       | 7,262,589               | 7,004,050  | 100.0    | 100.0 | 5,913,885                 | 6,085,142  | 100.0    | 100.0 |
| Single.....                                           | 1,855,047               | 1,505,917  | 25.6     | 21.5  | 835,799                   | 770,131    | 14.1     | 12.7  |
| Married.....                                          | 4,902,942               | 4,960,599  | 67.6     | 70.8  | 4,123,503                 | 4,243,337  | 69.7     | 70.0  |
| Widowed.....                                          | 438,049                 | 462,872    | 6.0      | 6.6   | 919,255                   | 992,900    | 15.5     | 16.4  |
| Divorced.....                                         | 31,950                  | 62,330     | .4       | .9    | 27,656                    | 51,942     | .5       | .9    |
| Unknown.....                                          | 24,551                  | 11,332     | .3       | .2    | 7,772                     | 6,832      | .1       | .1    |
| <b>Negro</b> .....                                    | 3,393,211               | 3,941,462  | 100.0    | 100.0 | 3,428,100                 | 4,099,552  | 100.0    | 100.0 |
| Single.....                                           | 1,104,877               | 1,270,950  | 32.6     | 32.2  | 825,253                   | 953,805    | 24.1     | 23.3  |
| Married.....                                          | 2,050,407               | 2,357,321  | 60.4     | 59.8  | 2,039,181                 | 2,395,144  | 59.6     | 58.5  |
| Widowed.....                                          | 200,734                 | 247,595    | 5.9      | 6.3   | 507,961                   | 652,663    | 14.8     | 15.9  |
| Divorced.....                                         | 26,689                  | 55,713     | .8       | 1.4   | 43,871                    | 88,868     | 1.3      | 2.2   |
| Unknown.....                                          | 10,504                  | 9,383      | .3       | .2    | 6,829                     | 6,071      | .2       | .1    |
| <b>All other</b> .....                                | 191,866                 | 725,403    | 100.0    | 100.0 | 99,574                    | 517,368    | 100.0    | 100.0 |
| Single.....                                           | 80,023                  | 318,253    | 41.7     | 43.9  | 18,912                    | 123,541    | 19.0     | 23.9  |
| Married.....                                          | 100,746                 | 365,976    | 52.5     | 50.5  | 69,514                    | 328,369    | 69.8     | 63.5  |
| Widowed.....                                          | 8,410                   | 32,228     | 4.4      | 4.4   | 10,002                    | 58,172     | 10.0     | 11.2  |
| Divorced.....                                         | 932                     | 5,692      | .5       | .8    | 888                       | 6,656      | .9       | 1.3   |
| Unknown.....                                          | 1,755                   | 3,254      | .9       | .4    | 278                       | 630        | .3       | .1    |

Source: Bureau of the Census, Department of Commerce.

**No. 38.—URBAN AND RURAL POPULATION: MARITAL CONDITION OF PERSONS  
15 YEARS OF AGE AND OVER, BY SEX, 1920, AND BY SEX, RACE, NATIVITY,  
AND PARENTAGE, 1930, CONTINENTAL UNITED STATES**

| Class                           | Persons 15 years of age and over |           |            |              |               | Per cent of total |              |              |               |
|---------------------------------|----------------------------------|-----------|------------|--------------|---------------|-------------------|--------------|--------------|---------------|
|                                 | Total <sup>1</sup>               | Single    | Married    | Wid-<br>owed | Di-<br>vorced | Single            | Mar-<br>ried | Wid-<br>owed | Di-<br>vorced |
| <b>1920</b>                     |                                  |           |            |              |               |                   |              |              |               |
| Urban population:               |                                  |           |            |              |               |                   |              |              |               |
| Males.....                      | 19,695,500                       | 6,982,294 | 11,605,237 | 897,500      | 142,778       | 35.5              | 58.9         | 4.6          | 0.7           |
| Females.....                    | 19,618,764                       | 5,698,673 | 11,310,188 | 2,395,622    | 186,181       | 29.0              | 57.6         | 12.2         | .6            |
| Rural population:               |                                  |           |            |              |               |                   |              |              |               |
| Males.....                      | 17,225,163                       | 5,985,271 | 10,244,020 | 860,808      | 92,506        | 34.7              | 59.5         | 5.0          | .5            |
| Females.....                    | 15,558,751                       | 3,918,229 | 10,008,745 | 1,522,003    | 87,123        | 25.2              | 64.3         | 9.8          | .6            |
| <b>1930</b>                     |                                  |           |            |              |               |                   |              |              |               |
| <b>URBAN POPULATION</b>         |                                  |           |            |              |               |                   |              |              |               |
| Males, total.....               | 25,201,037                       | 8,501,813 | 15,242,615 | 1,086,856    | 316,383       | 33.7              | 60.5         | 4.8          | 1.3           |
| White.....                      | 23,012,886                       | 7,769,480 | 13,957,981 | 955,319      | 282,736       | 33.8              | 60.7         | 4.2          | 1.2           |
| Negro.....                      | 1,842,029                        | 576,114   | 1,112,731  | 118,454      | 30,809        | 31.8              | 60.4         | 6.4          | 1.7           |
| All other.....                  | 346,122                          | 156,219   | 171,903    | 13,083       | 2,838         | 46.1              | 49.7         | 3.8          | .8            |
| Native white—                   |                                  |           |            |              |               |                   |              |              |               |
| Native parentage.....           | 11,322,087                       | 3,843,634 | 6,850,950  | 429,680      | 172,211       | 33.9              | 60.5         | 3.8          | 1.5           |
| Foreign or mixed parentage..... | 6,173,385                        | 2,748,154 | 3,154,845  | 195,869      | 62,597        | 44.5              | 51.1         | 3.2          | 1.0           |
| Foreign-born white.....         | 5,516,334                        | 1,777,692 | 3,952,186  | 329,770      | 47,928        | 21.3              | 71.6         | 6.0          | .9            |
| Females, total.....             | 25,986,592                       | 7,223,694 | 15,199,397 | 3,076,806    | 426,658       | 27.8              | 58.5         | 11.9         | 1.6           |
| White.....                      | 23,672,905                       | 6,713,677 | 13,891,824 | 2,668,272    | 367,865       | 28.4              | 58.7         | 11.3         | 1.6           |
| Negro.....                      | 2,048,534                        | 454,635   | 1,153,802  | 376,331      | 54,790        | 22.2              | 56.6         | 18.4         | 2.7           |
| All other.....                  | 245,034                          | 60,382    | 148,771    | 32,203       | 4,003         | 24.6              | 60.6         | 13.1         | 1.6           |
| Native white—                   |                                  |           |            |              |               |                   |              |              |               |
| Native parentage.....           | 11,838,265                       | 3,473,117 | 6,908,884  | 1,252,402    | 287,642       | 29.2              | 58.1         | 10.5         | 2.0           |
| Foreign or mixed parentage..... | 6,824,165                        | 2,560,477 | 3,555,597  | 613,842      | 84,960        | 37.5              | 52.1         | 9.0          | 1.2           |
| Foreign-born white.....         | 4,960,475                        | 680,033   | 3,427,303  | 802,028      | 45,273        | 13.7              | 69.1         | 16.2         | .9            |
| <b>RURAL POPULATION</b>         |                                  |           |            |              |               |                   |              |              |               |
| Males, total.....               | 18,679,984                       | 6,451,899 | 11,084,494 | 938,180      | 173,095       | 34.5              | 59.3         | 5.0          | .9            |
| White.....                      | 16,201,270                       | 5,596,029 | 9,645,331  | 789,894      | 145,337       | 34.5              | 59.5         | 4.9          | .9            |
| Negro.....                      | 2,099,433                        | 694,836   | 1,245,080  | 129,141      | 24,904        | 33.1              | 59.3         | 8.2          | 1.2           |
| All other.....                  | 379,281                          | 162,034   | 194,073    | 19,145       | 2,854         | 42.7              | 51.2         | 5.0          | .8            |
| Native white—                   |                                  |           |            |              |               |                   |              |              |               |
| Native parentage.....           | 12,046,773                       | 4,211,052 | 7,162,180  | 546,405      | 107,512       | 35.0              | 59.5         | 4.5          | .9            |
| Foreign or mixed parentage..... | 2,667,281                        | 1,055,752 | 1,474,728  | 110,387      | 22,923        | 39.6              | 55.3         | 4.1          | .9            |
| Foreign-born white.....         | 1,487,216                        | 323,225   | 1,008,413  | 133,102      | 14,902        | 22.1              | 67.8         | 8.9          | 1.0           |
| Females, total.....             | 16,870,537                       | 4,077,959 | 10,971,359 | 1,667,401    | 148,490       | 24.2              | 55.0         | 9.8          | .9            |
| White.....                      | 14,547,324                       | 3,515,629 | 9,552,419  | 1,355,100    | 109,759       | 24.2              | 55.7         | 9.3          | .8            |
| Negro.....                      | 2,051,499                        | 499,171   | 1,239,342  | 276,332      | 34,078        | 24.3              | 60.4         | 13.5         | 1.7           |
| All other.....                  | 271,714                          | 63,159    | 179,598    | 25,969       | 2,653         | 28.2              | 60.1         | 9.6          | 1.0           |
| Native white—                   |                                  |           |            |              |               |                   |              |              |               |
| Native parentage.....           | 11,090,334                       | 2,781,701 | 7,234,804  | 975,458      | 87,126        | 25.1              | 55.2         | 8.8          | .8            |
| Foreign or mixed parentage..... | 2,352,323                        | 643,880   | 1,501,641  | 183,770      | 15,964        | 27.4              | 63.8         | 8.0          | .7            |
| Foreign-born white.....         | 1,104,667                        | 90,043    | 815,974    | 190,872      | 6,666         | 8.2               | 73.9         | 17.3         | .6            |

<sup>1</sup> Includes persons whose marital condition was not reported.

**No. 39.—DWELLINGS AND FAMILIES, URBAN AND RURAL: CONTINENTAL  
UNITED STATES, 1920 AND 1930**

| Tenure                          | Total      |            | Urban      |            | Rural      |            |
|---------------------------------|------------|------------|------------|------------|------------|------------|
|                                 | 1920       | 1930       | 1920       | 1930       | 1920       | 1930       |
| Number of dwellings.....        | 20,697,204 | 25,204,976 | 9,434,560  | 13,046,689 | 11,212,654 | 12,158,277 |
| 1-family dwellings.....         | 22,833,110 | 22,833,110 | 11,001,861 | 11,001,861 | 11,831,249 | 11,831,249 |
| 2-family dwellings.....         | 1,728,087  | 1,728,087  | 1,430,670  | 1,430,670  | 297,617    | 297,617    |
| 3-or-more-family dwellings..... | 643,779    | 643,779    | 614,268    | 614,268    | 29,511     | 29,511     |
| Number of families.....         | 24,351,676 | 29,904,663 | 12,803,047 | 17,372,624 | 11,548,629 | 12,632,139 |
| Families having homes:          |            |            |            |            |            |            |
| Owned—Number.....               | 10,868,960 | 14,002,074 | 4,707,715  | 7,432,554  | 6,159,245  | 6,569,520  |
| Per cent.....                   | 44.6       | 46.8       | 36.8       | 42.8       | 53.3       | 52.4       |
| Rented—Number.....              | 12,943,598 | 15,310,817 | 7,879,348  | 9,681,359  | 5,004,250  | 5,638,458  |
| Per cent.....                   | 53.2       | 51.2       | 61.5       | 55.7       | 43.9       | 46.0       |
| Tenure unknown—Number.....      | 541,118    | 582,772    | 215,984    | 258,811    | 325,134    | 324,161    |
| Per cent.....                   | 2.2        | 1.9        | 1.7        | 1.5        | 2.8        | 2.6        |

<sup>1</sup> Private families only, excluding 75,178 institutions, hotels, etc. These quasi-family groups were included in the count as made for 1920.

Source of Tables 38 and 39: Bureau of the Census, Department of Commerce.

## No. 40.—FAMILIES BY TENURE, AND AVERAGE POPULATION PER FAMILY

NOTE.—A family is defined as a group of persons related either by blood or by marriage or adoption who live together as one household usually sharing the same table. Single persons living alone are counted as families, however, as are a few small groups of unrelated persons sharing the same living accommodations as "partners." In the 1920 count, inmates of an institution were treated as a single family as were also other quasi-family groups. Families not reporting tenure are included in the totals for all families.

| Division and State | All families |                   | Owner families, 1930 | Tenant families, 1930 | Per cent of total |      |         |      | Average population per family <sup>2</sup> |             |                  |
|--------------------|--------------|-------------------|----------------------|-----------------------|-------------------|------|---------|------|--------------------------------------------|-------------|------------------|
|                    | 1920         | 1930 <sup>1</sup> |                      |                       | Owners            |      | Tenants |      | 1920                                       | 1930, incl. | 1930, priv. only |
|                    |              |                   |                      |                       | 1920              | 1930 | 1920    | 1930 |                                            |             |                  |
| Continental U. S.  | 24,361,679   | 29,904,663        | 14,092,074           | 15,319,817            | 44.6              | 46.5 | 53.2    | 51.2 | 4.34                                       | 4.10        | 4.01             |
| New England        | 1,708,812    | 1,981,499         | 815,441              | 1,042,521             | 39.2              | 46.2 | 59.3    | 52.6 | 4.34                                       | 4.11        | 4.00             |
| Maine              | 186,106      | 197,823           | 110,898              | 74,358                | 58.5              | 60.6 | 39.7    | 37.6 | 4.13                                       | 4.02        | 3.93             |
| New Hampshire      | 108,394      | 119,337           | 64,823               | 53,078                | 48.7              | 54.3 | 49.1    | 44.5 | 4.00                                       | 3.89        | 3.79             |
| Vermont            | 85,804       | 89,188            | 52,513               | 35,563                | 56.4              | 59.2 | 41.6    | 39.9 | 4.11                                       | 4.02        | 3.93             |
| Massachusetts      | 874,798      | 1,021,190         | 439,238              | 569,645               | 34.4              | 43.0 | 64.5    | 55.8 | 4.40                                       | 4.15        | 4.03             |
| Rhode Island       | 137,100      | 155,343           | 67,467               | 86,432                | 30.0              | 40.8 | 57.7    | 53.3 | 4.41                                       | 4.16        | 4.05             |
| Connecticut        | 311,610      | 383,045           | 171,202              | 213,445               | 37.0              | 44.1 | 61.3    | 54.9 | 4.43                                       | 4.12        | 4.03             |
| Middle Atlantic    | 5,085,080    | 6,374,380         | 2,833,986            | 3,468,389             | 36.7              | 44.3 | 61.8    | 54.3 | 4.38                                       | 4.11        | 4.01             |
| New York           | 2,441,125    | 3,153,124         | 1,155,036            | 1,957,733             | 30.3              | 36.6 | 68.4    | 62.1 | 4.25                                       | 3.98        | 3.80             |
| New Jersey         | 721,841      | 985,636           | 470,500              | 502,497               | 37.7              | 47.7 | 60.8    | 51.0 | 4.37                                       | 4.09        | 4.02             |
| Pennsylvania       | 1,922,114    | 2,235,620         | 1,198,420            | 1,003,169             | 44.4              | 53.6 | 53.9    | 44.9 | 4.54                                       | 4.30        | 4.23             |
| E. North Central   | 5,143,913    | 6,362,323         | 3,366,203            | 2,888,065             | 51.4              | 53.4 | 46.8    | 45.1 | 4.17                                       | 3.97        | 3.88             |
| Ohio               | 1,414,068    | 1,697,918         | 912,295              | 783,650               | 50.9              | 53.7 | 47.7    | 45.0 | 4.07                                       | 3.91        | 3.83             |
| Indiana            | 737,707      | 843,036           | 474,196              | 353,807               | 53.6              | 56.2 | 44.2    | 42.0 | 3.97                                       | 3.84        | 3.77             |
| Illinois           | 1,534,077    | 1,929,396         | 892,999              | 1,017,115             | 42.9              | 45.8 | 55.2    | 52.7 | 4.23                                       | 3.94        | 3.84             |
| Michigan           | 802,745      | 1,180,654         | 685,516              | 476,682               | 57.9              | 58.1 | 40.5    | 40.4 | 4.25                                       | 4.00        | 4.01             |
| Wisconsin          | 595,316      | 711,880           | 404,197              | 256,811               | 62.5              | 61.8 | 35.7    | 36.1 | 4.42                                       | 4.12        | 4.04             |
| W. North Central   | 3,967,849    | 5,317,881         | 1,762,814            | 1,480,748             | 55.0              | 53.1 | 42.5    | 44.6 | 4.24                                       | 4.00        | 3.92             |
| Minnesota          | 526,026      | 606,406           | 346,908              | 243,696               | 50.4              | 57.7 | 38.4    | 40.2 | 4.54                                       | 4.21        | 4.11             |
| Iowa               | 686,070      | 635,704           | 340,778              | 282,007               | 56.7              | 53.6 | 40.9    | 44.5 | 4.10                                       | 3.88        | 3.82             |
| Missouri           | 829,043      | 936,476           | 450,810              | 401,203               | 48.4              | 48.9 | 49.3    | 49.1 | 4.11                                       | 3.85        | 3.76             |
| North Dakota       | 124,881      | 146,005           | 81,352               | 57,399                | 62.9              | 60.1 | 33.4    | 39.6 | 4.80                                       | 4.63        | 4.62             |
| South Dakota       | 142,763      | 161,013           | 82,452               | 72,902                | 50.3              | 51.2 | 37.2    | 45.3 | 4.46                                       | 4.29        | 4.24             |
| Nebraska           | 303,433      | 342,989           | 181,369              | 152,835               | 55.7              | 52.9 | 41.4    | 44.6 | 4.27                                       | 4.01        | 3.94             |
| Kansas             | 435,600      | 487,188           | 267,115              | 210,100               | 55.4              | 54.8 | 42.0    | 43.1 | 4.06                                       | 3.85        | 3.78             |
| South Atlantic     | 2,991,628    | 3,511,860         | 1,466,339            | 1,999,591             | 40.8              | 41.8 | 56.3    | 56.1 | 4.88                                       | 4.49        | 4.41             |
| Delaware           | 52,070       | 59,092            | 30,187               | 27,804                | 43.8              | 61.1 | 54.3    | 47.1 | 4.28                                       | 4.02        | 3.87             |
| Maryland           | 324,742      | 385,179           | 208,563              | 199,359               | 40.0              | 54.1 | 49.3    | 44.0 | 4.46                                       | 4.23        | 4.11             |
| Dist. of Col.      | 96,194       | 125,554           | 47,220               | 75,254                | 29.6              | 37.6 | 68.3    | 59.9 | 4.55                                       | 3.86        | 3.70             |
| Virginia           | 483,363      | 526,089           | 272,208              | 247,497               | 50.1              | 61.4 | 47.9    | 46.8 | 4.78                                       | 4.67        | 4.48             |
| West Virginia      | 130,098      | 375,941           | 108,543              | 198,736               | 45.6              | 45.1 | 51.8    | 53.1 | 4.72                                       | 4.02        | 3.86             |
| North Carolina     | 513,377      | 644,033           | 270,946              | 349,555               | 45.9              | 43.5 | 50.9    | 54.3 | 4.98                                       | 4.91        | 4.85             |
| South Carolina     | 340,126      | 365,680           | 111,267              | 248,335               | 31.0              | 30.4 | 65.2    | 67.9 | 4.82                                       | 4.75        | 4.70             |
| Georgia            | 628,525      | 652,793           | 194,459              | 440,011               | 29.9              | 29.8 | 67.0    | 67.4 | 4.61                                       | 4.45        | 4.38             |
| Florida            | 234,133      | 376,469           | 133,956              | 212,740               | 40.6              | 40.9 | 55.0    | 56.5 | 4.14                                       | 3.89        | 3.81             |
| E. South Central   | 1,977,351    | 2,273,369         | 924,989              | 1,298,272             | 41.6              | 40.7 | 55.7    | 57.1 | 4.50                                       | 4.34        | 4.26             |
| Kentucky           | 546,306      | 609,405           | 306,284              | 290,379               | 50.5              | 50.3 | 47.3    | 47.6 | 4.42                                       | 4.28        | 4.23             |
| Tennessee          | 519,108      | 600,625           | 270,260              | 314,841               | 46.6              | 45.0 | 61.0    | 52.4 | 4.50                                       | 4.35        | 4.29             |
| Alabama            | 508,798      | 691,625           | 198,472              | 381,466               | 33.9              | 33.5 | 62.8    | 64.5 | 4.62                                       | 4.47        | 4.42             |
| Mississippi        | 403,198      | 471,704           | 140,973              | 311,689               | 33.0              | 31.8 | 64.0    | 66.1 | 4.44                                       | 4.25        | 4.22             |
| W. South Central   | 2,242,810    | 2,868,262         | 1,117,450            | 1,658,994             | 40.7              | 39.0 | 55.9    | 57.8 | 4.57                                       | 4.24        | 4.18             |
| Arkansas           | 300,960      | 439,659           | 163,767              | 261,897               | 43.8              | 38.5 | 53.3    | 57.4 | 4.48                                       | 4.22        | 4.19             |
| Louisiana          | 389,913      | 485,363           | 165,731              | 307,273               | 32.4              | 34.1 | 63.8    | 63.3 | 4.61                                       | 4.32        | 4.26             |
| Oklahoma           | 444,524      | 554,164           | 225,266              | 320,555               | 43.6              | 39.9 | 52.1    | 56.8 | 4.56                                       | 4.24        | 4.17             |
| Texas              | 1,017,413    | 1,380,066         | 557,686              | 779,269               | 41.5              | 40.4 | 55.4    | 56.5 | 4.58                                       | 4.21        | 4.15             |
| Mountain           | 803,863      | 914,408           | 470,380              | 415,328               | 58.8              | 51.4 | 43.5    | 45.4 | 4.15                                       | 4.03        | 3.92             |
| Montana            | 139,912      | 135,210           | 71,419               | 59,636                | 58.5              | 52.4 | 38.1    | 43.8 | 3.92                                       | 3.92        | 3.79             |
| Idaho              | 100,500      | 108,044           | 59,684               | 44,998                | 58.9              | 55.1 | 37.8    | 41.6 | 4.30                                       | 4.10        | 4.01             |
| Wyoming            | 48,476       | 56,887            | 25,425               | 28,322                | 46.6              | 46.5 | 45.9    | 49.8 | 4.01                                       | 3.95        | 3.79             |
| Colorado           | 230,843      | 297,324           | 131,571              | 127,979               | 50.6              | 49.2 | 47.4    | 47.9 | 4.07                                       | 3.88        | 3.74             |
| New Mexico         | 83,706       | 98,546            | 54,439               | 40,428                | 57.5              | 55.2 | 39.3    | 41.0 | 4.30                                       | 4.23        | 4.22             |
| Arizona            | 80,208       | 106,992           | 45,808               | 56,380                | 41.2              | 43.2 | 55.1    | 53.2 | 4.17                                       | 4.00        | 3.96             |
| Utah               | 98,346       | 115,936           | 60,583               | 44,610                | 59.0              | 60.0 | 30.2    | 38.5 | 4.57                                       | 4.37        | 4.29             |
| Nevada             | 21,862       | 25,469            | 11,551               | 12,977                | 45.5              | 45.4 | 50.0    | 51.0 | 3.54                                       | 3.54        | 3.32             |
| Pacific            | 1,445,350    | 2,300,191         | 1,125,493            | 1,123,209             | 46.7              | 48.9 | 50.8    | 48.8 | 3.85                                       | 3.57        | 3.38             |
| Washington         | 342,228      | 423,833           | 245,138              | 167,609               | 53.6              | 57.3 | 44.3    | 39.5 | 3.96                                       | 3.64        | 3.50             |
| Oregon             | 202,890      | 299,328           | 154,283              | 106,712               | 53.6              | 57.9 | 44.2    | 40.1 | 3.86                                       | 3.56        | 3.43             |
| California         | 900,232      | 1,510,030         | 726,072              | 848,888               | 42.5              | 45.1 | 54.8    | 52.7 | 3.81                                       | 3.51        | 3.34             |

<sup>1</sup> Private families only, excluding 75,173 institutions, hotels, etc. These quasi-family groups were included in the count as made for 1920.

<sup>2</sup> The first of the two averages shown for 1930 is obtained by dividing the total population by the combined number of private families and quasi-family groups (institutions, hotels, etc.). This figure is strictly comparable with the 1920 average. The second average presented for 1930 is obtained by dividing the total population living in private families by the number of private families.

Source: Bureau of the Census, Department of Commerce.

## No. 41.—FAMILIES, BY COLOR AND NATIVITY OF HEAD, AND DWELLINGS BY CLASS, 1930

| Division and State              | Families <sup>1</sup> |              |                    |           | Dwellings  |            |           |                  | Quasi-family groups |
|---------------------------------|-----------------------|--------------|--------------------|-----------|------------|------------|-----------|------------------|---------------------|
|                                 | All classes           | Native white | Foreign-born white | Negro     | Total      | 1-family   | 2-family  | 3-or-more-family |                     |
| <b>Continental U. S.</b> .....  | 29,904,683            | 20,966,803   | 5,738,461          | 2,803,756 | 25,204,976 | 22,838,110 | 1,738,087 | 648,779          | 75,178              |
| <b>New England</b> .....        | 1,981,499             | 1,203,304    | 753,281            | 22,864    | 1,453,233  | 1,124,366  | 224,265   | 104,601          | 5,928               |
| Maine.....                      | 197,826               | 158,687      | 38,693             | 259       | 172,988    | 155,406    | 13,929    | 3,653            | 551                 |
| New Hampshire.....              | 119,337               | 86,503       | 33,672             | 117       | 101,712    | 89,813     | 8,907     | 2,992            | 322                 |
| Vermont.....                    | 89,188                | 72,922       | 16,117             | 135       | 79,455     | 72,356     | 5,778     | 1,321            | 244                 |
| Massachusetts.....              | 1,021,160             | 579,751      | 427,385            | 12,637    | 703,222    | 511,051    | 126,274   | 65,897           | 3,384               |
| Rhode Island.....               | 166,343               | 89,026       | 72,711             | 2,542     | 115,293    | 81,162     | 28,065    | 11,076           | 469                 |
| Connecticut.....                | 388,645               | 216,615      | 164,713            | 7,174     | 280,552    | 214,588    | 46,302    | 19,662           | 958                 |
| <b>Middle Atlantic</b> .....    | 6,374,380             | 3,921,222    | 2,200,620          | 243,371   | 4,465,185  | 3,732,538  | 500,665   | 232,097          | 14,544              |
| New York.....                   | 3,153,124             | 1,753,041    | 1,297,716          | 95,621    | 1,735,059  | 1,290,216  | 275,924   | 159,916          | 8,988               |
| New Jersey.....                 | 985,636               | 576,991      | 358,984            | 48,636    | 721,143    | 580,836    | 90,560    | 40,717           | 1,991               |
| Pennsylvania.....               | 2,235,620             | 1,590,590    | 543,920            | 99,114    | 2,008,996  | 1,862,481  | 126,051   | 31,464           | 3,566               |
| <b>East North Central</b> ..... | 6,362,823             | 4,733,853    | 1,390,490          | 232,240   | 5,313,851  | 4,731,798  | 424,556   | 156,497          | 13,658              |
| Ohio.....                       | 1,607,618             | 1,339,077    | 281,756            | 75,709    | 1,474,893  | 1,335,303  | 107,024   | 32,566           | 2,923               |
| Indiana.....                    | 843,066               | 752,373      | 60,205             | 28,771    | 789,785    | 767,409    | 24,877    | 7,499            | 1,385               |
| Illinois.....                   | 1,920,396             | 1,313,653    | 530,272            | 78,737    | 1,405,127  | 1,153,819  | 163,079   | 88,229           | 5,054               |
| Michigan.....                   | 1,180,554             | 800,076      | 339,738            | 36,500    | 1,018,845  | 925,348    | 74,544    | 18,953           | 2,588               |
| Wisconsin.....                  | 711,880               | 528,174      | 178,519            | 2,523     | 624,201    | 559,919    | 55,302    | 9,250            | 1,708               |
| <b>West North Central</b> ..... | 3,317,881             | 2,697,414    | 515,044            | 87,863    | 3,087,237  | 2,860,810  | 139,849   | 36,578           | 7,731               |
| Minnesota.....                  | 606,496               | 417,174      | 183,895            | 2,592     | 542,051    | 503,600    | 31,007    | 7,444            | 1,863               |
| Iowa.....                       | 635,704               | 547,258      | 82,870             | 4,571     | 604,001    | 583,180    | 16,622    | 4,199            | 1,188               |
| Missouri.....                   | 939,476               | 809,330      | 69,749             | 59,016    | 809,425    | 727,440    | 64,372    | 17,613           | 2,336               |
| North Dakota.....               | 145,005               | 91,405       | 51,805             | 120       | 137,703    | 133,030    | 3,712     | 961              | 384                 |
| South Dakota.....               | 181,013               | 123,228      | 33,033             | 166       | 154,334    | 149,928    | 3,584     | 822              | 319                 |
| Nebraska.....                   | 342,999               | 279,529      | 57,817             | 3,700     | 325,979    | 316,419    | 7,292     | 2,268            | 777                 |
| Kansas.....                     | 487,188               | 429,490      | 35,875             | 17,688    | 463,744    | 447,213    | 13,260    | 3,271            | 874                 |
| <b>South Atlantic</b> .....     | 3,511,860             | 2,401,398    | 131,160            | 974,592   | 3,263,552  | 3,064,048  | 148,808   | 30,696           | 7,621               |
| Delaware.....                   | 59,092                | 44,331       | 7,056              | 7,682     | 54,940     | 52,234     | 2,016     | 690              | 201                 |
| Maryland.....                   | 385,179               | 282,287      | 41,442             | 81,160    | 346,117    | 318,246    | 22,890    | 4,981            | 903                 |
| Dist. of Columbia.....          | 125,654               | 83,700       | 11,586             | 29,995    | 84,903     | 74,649     | 6,806     | 3,449            | 465                 |
| Virginia.....                   | 629,089               | 377,676      | 10,373             | 140,726   | 492,575    | 466,083    | 22,560    | 3,042            | 984                 |
| West Virginia.....              | 373,941               | 325,305      | 22,258             | 26,274    | 352,749    | 336,834    | 18,301    | 2,614            | 723                 |
| North Carolina.....             | 644,083               | 467,087      | 3,762              | 180,128   | 614,292    | 589,545    | 21,844    | 2,903            | 1,218               |
| South Carolina.....             | 365,860               | 194,768      | 2,362              | 168,324   | 345,265    | 329,370    | 13,334    | 2,561            | 589                 |
| Georgia.....                    | 652,793               | 396,793      | 5,927              | 249,942   | 602,468    | 564,540    | 32,411    | 5,517            | 1,218               |
| Florida.....                    | 1,376,499             | 939,451      | 25,394             | 110,361   | 350,243    | 332,547    | 13,667    | 4,089            | 1,320               |
| <b>East South Central</b> ..... | 2,273,359             | 1,591,095    | 27,341             | 853,847   | 2,127,637  | 2,018,878  | 97,793    | 15,866           | 3,427               |
| Kentucky.....                   | 609,405               | 538,218      | 10,470             | 60,672    | 556,329    | 533,615    | 27,289    | 5,428            | 966                 |
| Tennessee.....                  | 600,625               | 474,078      | 6,066              | 120,402   | 568,153    | 528,242    | 24,815    | 5,096            | 965                 |
| Alabama.....                    | 591,625               | 361,656      | 7,326              | 222,538   | 554,556    | 523,935    | 27,270    | 3,360            | 844                 |
| Mississippi.....                | 471,704               | 217,143      | 3,479              | 250,240   | 448,490    | 428,086    | 18,422    | 1,982            | 652                 |
| <b>West South Central</b> ..... | 2,868,262             | 2,068,970    | 81,779             | 664,918   | 2,688,206  | 2,554,712  | 107,385   | 24,189           | 6,072               |
| Arkansas.....                   | 438,639               | 310,328      | 5,074              | 123,009   | 419,381    | 403,295    | 14,065    | 2,021            | 645                 |
| Louisiana.....                  | 485,363               | 276,508      | 16,548             | 190,876   | 458,380    | 438,555    | 16,334    | 3,481            | 1,051               |
| Oklahoma.....                   | 564,164               | 492,672      | 13,376             | 40,238    | 526,659    | 501,347    | 19,990    | 5,322            | 1,183               |
| Texas.....                      | 1,380,096             | 987,462      | 46,778             | 210,795   | 1,281,376  | 1,211,505  | 56,996    | 13,375           | 3,193               |
| <b>Mountain</b> .....           | 914,408               | 694,118      | 136,437            | 8,743     | 848,808    | 808,845    | 27,800    | 9,563            | 4,148               |
| Montana.....                    | 136,210               | 97,796       | 34,135             | 458       | 126,864    | 122,144    | 3,357     | 1,353            | 809                 |
| Idaho.....                      | 108,044               | 91,910       | 14,381             | 229       | 102,992    | 99,803     | 2,610     | 679              | 472                 |
| Wyoming.....                    | 56,887                | 45,001       | 9,221              | 418       | 53,569     | 51,509     | 1,606     | 455              | 285                 |
| Colorado.....                   | 267,324               | 210,335      | 41,476             | 3,538     | 242,548    | 230,607    | 8,304     | 3,637            | 1,099               |
| New Mexico.....                 | 98,546                | 75,405       | 3,707              | 799       | 92,530     | 87,921     | 3,824     | 785              | 279                 |
| Arizona.....                    | 105,992               | 63,629       | 7,001              | 2,776     | 98,633     | 93,854     | 3,444     | 1,135            | 628                 |
| Utah.....                       | 115,936               | 92,285       | 21,143             | 331       | 105,788    | 100,743    | 3,787     | 1,258            | 316                 |
| Nevada.....                     | 25,469                | 17,757       | 5,873              | 194       | 28,894     | 22,064     | 639       | 261              | 260                 |
| <b>Pacific</b> .....            | 2,300,191             | 1,659,929    | 500,392            | 25,328    | 2,032,278  | 1,941,380  | 57,276    | 33,682           | 12,049              |
| Washington.....                 | 423,833               | 309,320      | 105,869            | 2,059     | 382,539    | 368,917    | 8,843     | 4,779            | 2,212               |
| Oregon.....                     | 266,328               | 215,260      | 46,669             | 674       | 246,558    | 239,069    | 4,941     | 2,548            | 1,356               |
| California.....                 | 1,610,030             | 1,134,349    | 347,854            | 22,595    | 1,403,181  | 1,333,334  | 43,492    | 26,356           | 8,431               |

<sup>1</sup> Private families only, excluding 75,178 institutions, hotels, etc. Totals for all classes include "Other races" not shown.

Source: Bureau of the Census, Department of Commerce.



No. 42.—FAMILIES: BY SIZE, BY NUMBER OF CHILDREN UNDER 10 YEARS OF AGE, AND BY NUMBER OF GAINFUL WORKERS, FOR THE UNITED STATES, 1930

| Item                     | Number      |              |                    |           |             | Per cent    |              |                    |       |             |
|--------------------------|-------------|--------------|--------------------|-----------|-------------|-------------|--------------|--------------------|-------|-------------|
|                          | All classes | Native white | Foreign-born white | Negro     | Other races | All classes | Native white | Foreign-born white | Negro | Other races |
| All families.....        | 29,904,683  | 20,988,803   | 5,736,491          | 2,803,756 | 395,613     | 100.0       | 100.0        | 100.0              | 100.0 | 100.0       |
| Families comprising—     |             |              |                    |           |             |             |              |                    |       |             |
| 1 person.....            | 2,357,463   | 1,537,193    | 436,214            | 338,114   | 45,942      | 7.9         | 7.3          | 7.6                | 12.1  | 11.6        |
| 2 persons.....           | 6,982,335   | 6,056,897    | 1,126,051          | 739,812   | 60,075      | 23.4        | 24.1         | 19.6               | 20.4  | 15.2        |
| 3 persons.....           | 6,223,519   | 4,906,372    | 1,061,617          | 500,990   | 57,540      | 20.8        | 22.0         | 18.5               | 17.9  | 14.5        |
| 4 persons.....           | 5,234,696   | 3,787,696    | 1,030,380          | 361,880   | 54,740      | 17.5        | 18.1         | 18.0               | 12.9  | 13.8        |
| 5 persons.....           | 3,574,362   | 2,479,750    | 780,249            | 265,136   | 49,407      | 12.0        | 11.8         | 13.6               | 9.6   | 12.5        |
| 6 persons.....           | 2,273,300   | 1,514,538    | 523,838            | 193,720   | 41,166      | 7.6         | 7.2          | 9.1                | 6.9   | 10.4        |
| 7 persons.....           | 1,393,356   | 892,313      | 328,553            | 141,149   | 31,341      | 4.7         | 4.3          | 5.7                | 5.0   | 7.9         |
| 8 persons.....           | 842,699     | 518,376      | 202,093            | 99,800    | 22,400      | 2.8         | 2.6          | 3.5                | 3.6   | 5.7         |
| 9 persons.....           | 493,174     | 291,999      | 118,872            | 67,607    | 14,696      | 1.6         | 1.4          | 2.1                | 2.4   | 3.7         |
| 10 persons.....          | 272,068     | 153,564      | 66,198             | 43,573    | 8,733       | .9          | .7           | 1.2                | 1.6   | 2.2         |
| 11 persons.....          | 138,816     | 74,163       | 34,597             | 25,411    | 4,675       | .5          | .4           | .6                 | .9    | 1.2         |
| 12 or more persons.....  | 115,405     | 50,074       | 27,859             | 26,664    | 4,908       | .4          | .3           | .5                 | .9    | 1.2         |
| Families having—         |             |              |                    |           |             |             |              |                    |       |             |
| No children under 10     | 17,587,354  | 12,216,802   | 3,644,030          | 1,655,217 | 171,305     | 58.8        | 58.3         | 61.8               | 50.0  | 43.3        |
| 1 child under 10.....    | 5,745,158   | 4,164,091    | 1,045,547          | 467,575   | 67,945      | 19.2        | 19.9         | 18.2               | 16.7  | 17.2        |
| 2 children under 10..... | 3,525,307   | 2,542,041    | 636,073            | 288,572   | 58,621      | 11.8        | 12.1         | 11.1               | 10.3  | 14.8        |
| 3 children under 10..... | 1,787,690   | 1,243,766    | 308,503            | 190,380   | 48,041      | 6.0         | 5.9          | 5.3                | 6.8   | 12.1        |
| 4 children under 10..... | 851,974     | 560,509      | 138,653            | 121,107   | 31,708      | 2.8         | 2.7          | 2.4                | 4.3   | 8.0         |
| 5 children under 10..... | 311,074     | 188,425      | 50,993             | 68,180    | 13,476      | 1.0         | .9           | .9                 | 2.1   | 3.4         |
| 6 or more.....           | 96,108      | 53,172       | 15,692             | 22,726    | 4,517       | .3          | .3           | .3                 | .8    | 1.1         |
| Families having—         |             |              |                    |           |             |             |              |                    |       |             |
| No gainful workers.....  | 1,803,871   | 1,327,676    | 371,311            | 86,227    | 18,657      | 6.0         | 6.3          | 6.5                | 3.1   | 4.7         |
| 1 gainful worker.....    | 18,588,705  | 13,659,468   | 3,116,525          | 1,532,551 | 230,161     | 62.1        | 65.1         | 54.3               | 54.7  | 65.8        |
| 2 gainful workers.....   | 6,321,816   | 4,201,458    | 1,288,825          | 768,898   | 72,635      | 21.1        | 20.0         | 22.5               | 27.1  | 18.4        |
| 3 gainful workers.....   | 2,140,389   | 1,263,185    | 369,778            | 250,634   | 26,789      | 7.2         | 6.0          | 10.5               | 8.9   | 6.8         |
| 4 or more.....           | 1,069,885   | 517,016      | 160,052            | 175,446   | 17,371      | 3.6         | 2.5          | 6.3                | 6.3   | 4.4         |

No. 43.—NONFARM HOMES: BY VALUE OR MONTHLY RENTAL, BY COLOR AND NATIVITY OF HEAD OF FAMILY, FOR THE UNITED STATES, 1930

| Value or monthly rental             | Number      |              |                    |                  |                  | Per cent                              |              |                    |                  |                  |
|-------------------------------------|-------------|--------------|--------------------|------------------|------------------|---------------------------------------|--------------|--------------------|------------------|------------------|
|                                     | All classes | Native white | Foreign-born white | Negro            | Other races      | All classes                           | Native white | Foreign-born white | Negro            | Other races      |
| <b>Owmed nonfarm homes.</b>         | 10,503,386  | 7,382,357    | 2,564,634          | 480,334          | 76,071           | 100.0                                 | 100.0        | 100.0              | 100.0            | 100.0            |
| Value under \$1,000.....            | 794,724     | 484,422      | 80,356             | 188,795          | 41,131           | 7.6                                   | 6.6          | 3.1                | 39.3             | 54.1             |
| \$1,000 to \$1,499.....             | 570,047     | 409,054      | 55,522             | 66,513           | 3,965            | 5.4                                   | 5.5          | 3.3                | 13.8             | 11.8             |
| \$1,500 to \$1,999.....             | 531,277     | 391,222      | 52,109             | 42,337           | 3,009            | 5.1                                   | 5.3          | 3.6                | 8.8              | 7.4              |
| \$2,000 to \$2,999.....             | 1,187,325   | 852,065      | 249,018            | 59,404           | 6,840            | 11.1                                  | 11.5         | 9.7                | 12.4             | 9.0              |
| \$3,000 to \$3,999.....             | 2,343,769   | 1,675,141    | 608,331            | 59,377           | 5,020            | 22.3                                  | 22.7         | 23.5               | 12.4             | 7.8              |
| \$4,000 to \$4,999.....             | 2,287,029   | 1,608,379    | 653,030            | 31,859           | 2,681            | 21.9                                  | 21.8         | 25.5               | 6.6              | 3.5              |
| \$5,000 to \$7,499.....             | 689,408     | 487,069      | 291,545            | 10,108           | 716              | 6.4                                   | 6.3          | 11.4               | 2.1              | .9               |
| \$7,500 to \$9,999.....             | 906,557     | 620,066      | 270,222            | 6,676            | 503              | 8.6                                   | 8.4          | 10.9               | 1.4              | .8               |
| \$10,000 to \$14,999.....           | 339,535     | 235,363      | 102,062            | 1,897            | 223              | 3.2                                   | 3.2          | 4.0                | .4               | .3               |
| \$15,000 to \$19,999.....           | 354,337     | 267,927      | 84,826             | 1,289            | 296              | 3.4                                   | 3.6          | 3.3                | .3               | .4               |
| \$20,000 and over.....              | 206,318     | 161,101      | 43,024             | 12,086           | 3,107            | 2.0                                   | 2.0          | 1.7                | 2.6              | 4.1              |
| Not reported.....                   |             |              |                    |                  |                  |                                       |              |                    |                  |                  |
| <b>Rented nonfarm homes.</b>        | 13,361,549  | 9,282,135    | 2,583,376          | 1,280,697        | 194,842          | 100.0                                 | 100.0        | 100.0              | 100.0            | 100.0            |
| Rental under \$10.....              | 1,563,952   | 899,403      | 108,873            | 479,539          | 76,137           | 12.7                                  | 10.9         | 4.2                | 37.2             | 39.1             |
| \$10 to \$14.....                   | 1,390,927   | 869,816      | 163,911            | 241,896          | 35,302           | 10.8                                  | 10.5         | 7.1                | 18.7             | 18.1             |
| \$15 to \$19.....                   | 1,302,387   | 889,794      | 259,942            | 153,854          | 21,837           | 10.5                                  | 10.7         | 10.1               | 10.4             | 11.2             |
| \$20 to \$29.....                   | 2,545,238   | 1,739,044    | 501,795            | 188,079          | 26,289           | 20.0                                  | 21.0         | 22.9               | 14.6             | 13.5             |
| \$30 to \$49.....                   | 3,191,436   | 2,219,180    | 800,670            | 149,096          | 16,539           | 23.8                                  | 26.8         | 31.2               | 11.6             | 8.5              |
| \$50 to \$79.....                   | 1,506,401   | 1,024,827    | 423,704            | 49,353           | 5,516            | 12.2                                  | 12.4         | 16.4               | 3.8              | 2.8              |
| \$75 to \$94.....                   | 843,071     | 547,827      | 90,645             | 8,838            | 1,441            | 6.8                                   | 6.8          | 9.5                | .7               | .5               |
| \$100 to \$149.....                 | 163,292     | 117,435      | 43,008             | 1,949            | 259              | 1.3                                   | 1.4          | 1.7                | .2               | .6               |
| \$150 to \$199.....                 | 46,297      | 35,678       | 11,008             | 452              | 147              | .4                                    | .4           | .5                 | (1)              | .1               |
| \$200 and over.....                 | 45,750      | 35,084       | 10,287             | 147              | 232              | .4                                    | .4           | .4                 | (1)              | .1               |
| Not reported.....                   | 315,829     | 214,726      | 53,231             | 37,462           | 10,380           | 2.6                                   | 2.6          | 2.1                | 2.9              | 6.3              |
|                                     |             |              |                    |                  |                  |                                       |              |                    |                  |                  |
| Median value of owned nonfarm homes |             |              |                    |                  |                  | Median rental of rented nonfarm homes |              |                    |                  |                  |
| Total.....                          | \$4,778     | \$4,766      | \$5,579            | \$1,341          | ( <sup>1</sup> ) | \$27.15                               | \$27.92      | \$33.00            | \$13.04          | \$12.28          |
| Urban.....                          | 5,743       | 5,849        | 6,079              | 1,945            | ( <sup>1</sup> ) | 32.06                                 | 34.11        | 35.13              | 16.48            | 15.15            |
| Rural-nonfarm.....                  | 2,661       | 2,772        | 3,108              | ( <sup>1</sup> ) | ( <sup>2</sup> ) | 12.01                                 | 13.14        | 14.37              | ( <sup>3</sup> ) | ( <sup>3</sup> ) |

<sup>1</sup> Less than one-tenth of 1 per cent.

<sup>2</sup> Less than \$1,000.

<sup>3</sup> Less than \$10.

Source of Tables 42 and 43: Bureau of the Census Department of Commerce.

## No. 44.—OWNED NONFARM HOMES CLASSIFIED ACCORDING TO VALUE, BY STATES, 1930

Note.—Totals include homes with value unknown

| Division and state      | All owned nonfarm homes | Number of homes with value— |                    |                    |                    |                    |                    |                    |                   | Median value |
|-------------------------|-------------------------|-----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------|
|                         |                         | Under \$1,000               | \$1,000 to \$1,499 | \$1,500 to \$1,999 | \$2,000 to \$2,999 | \$3,000 to \$4,999 | \$5,000 to \$7,499 | \$7,500 to \$9,999 | \$10,000 and over |              |
| United States.....      | 10,503,866              | 794,724                     | 570,047            | 531,277            | 1,167,325          | 2,343,769          | 2,297,029          | 869,468            | 1,600,429         | 94,778       |
| New England.....        | 802,588                 | 21,612                      | 25,422             | 26,304             | 70,795             | 179,693            | 212,943            | 97,294             | 155,693           | 5,834        |
| Maine.....              | 84,963                  | 10,022                      | 5,779              | 0,757              | 13,453             | 20,132             | 14,102             | 5,828              | 5,632             | 3,233        |
| New Hampshire.....      | 50,947                  | 4,001                       | 4,000              | 4,108              | 8,905              | 14,717             | 6,890              | 2,323              | 2,956             | 3,533        |
| Vermont.....            | 31,704                  | 1,955                       | 2,170              | 2,092              | 4,820              | 8,715              | 6,562              | 2,018              | 2,778             | 4,031        |
| Massachusetts.....      | 415,619                 | 3,832                       | 7,344              | 9,550              | 30,883             | 92,975             | 120,672            | 67,286             | 87,186            | 6,249        |
| Rhode Island.....       | 64,490                  | 503                         | 1,139              | 1,410              | 4,629              | 14,944             | 20,216             | 6,637              | 12,420            | 6,163        |
| Connecticut.....        | 154,880                 | 1,254                       | 1,990              | 2,392              | 8,095              | 28,210             | 42,641             | 23,201             | 44,722            | 7,013        |
| Middle Atlantic.....    | 2,522,747               | 58,674                      | 64,389             | 67,565             | 188,024            | 490,139            | 641,016            | 337,442            | 637,610           | 8,467        |
| New York.....           | 1,017,476               | 15,349                      | 19,392             | 19,534             | 54,381             | 147,484            | 245,443            | 161,965            | 336,259           | 7,492        |
| New Jersey.....         | 443,623                 | 4,101                       | 6,020              | 6,635              | 22,523             | 71,045             | 113,442            | 70,042             | 147,013           | 7,426        |
| Pennsylvania.....       | 1,060,640               | 34,224                      | 38,967             | 41,390             | 110,920            | 271,610            | 284,131            | 105,435            | 154,338           | 5,206        |
| East North Central..... | 2,700,273               | 143,115                     | 135,408            | 133,430            | 290,854            | 614,718            | 640,459            | 295,894            | 399,065           | 5,035        |
| Ohio.....               | 748,412                 | 31,001                      | 30,536             | 32,543             | 75,584             | 182,965            | 193,053            | 82,427             | 104,039           | 5,201        |
| Indiana.....            | 347,704                 | 33,800                      | 28,489             | 26,682             | 61,527             | 90,135             | 66,834             | 19,680             | 22,850            | 3,664        |
| Illinois.....           | 705,549                 | 87,093                      | 30,145             | 32,608             | 99,369             | 141,760            | 170,542            | 100,887            | 163,739           | 5,867        |
| Michigan.....           | 242,154                 | 23,498                      | 27,887             | 27,640             | 53,495             | 119,761            | 126,845            | 63,528             | 79,990            | 5,007        |
| Wisconsin.....          | 295,457                 | 11,123                      | 12,403             | 14,017             | 35,526             | 80,699             | 78,185             | 28,422             | 28,467            | 4,751        |
| West North Central..... | 1,132,098               | 94,780                      | 87,780             | 86,690             | 177,380            | 304,931            | 220,554            | 61,946             | 73,702            | 3,704        |
| Minnesota.....          | 227,336                 | 11,164                      | 11,193             | 13,171             | 31,827             | 63,402             | 53,317             | 14,063             | 16,261            | 4,207        |
| Iowa.....               | 235,509                 | 16,332                      | 18,059             | 18,750             | 38,903             | 67,430             | 47,137             | 11,428             | 10,385            | 3,607        |
| Missouri.....           | 300,000                 | 28,778                      | 22,883             | 20,338             | 39,112             | 68,600             | 57,923             | 22,962             | 34,014            | 4,050        |
| South Dakota.....       | 35,880                  | 4,719                       | 4,035              | 3,676              | 6,382              | 8,391              | 5,172              | 1,126              | 1,087             | 2,762        |
| North Dakota.....       | 39,997                  | 3,797                       | 3,573              | 3,568              | 7,477              | 10,763             | 8,575              | 1,544              | 1,461             | 3,180        |
| Nebraska.....           | 117,657                 | 6,410                       | 8,426              | 9,191              | 20,548             | 36,105             | 23,185             | 5,534              | 5,690             | 3,717        |
| Kansas.....             | 177,624                 | 23,579                      | 19,791             | 17,982             | 33,128             | 43,175             | 22,892             | 5,259              | 5,804             | 2,703        |
| South Atlantic.....     | 926,400                 | 130,127                     | 74,187             | 68,647             | 116,400            | 161,180            | 156,087            | 69,328             | 111,968           | 3,749        |
| Delaware.....           | 24,093                  | 1,180                       | 1,149              | 1,224              | 2,779              | 5,822              | 5,245              | 2,411              | 2,785             | 4,375        |
| Maryland.....           | 176,702                 | 9,290                       | 6,788              | 7,621              | 21,051             | 54,793             | 42,204             | 12,055             | 10,149            | 4,525        |
| Dist. of Columbia.....  | 47,190                  | 7,233                       | 2,211              | 249                | 8,500              | 4,435              | 9,993              | 12,287             | 19,400            | 9,246        |
| Virginia.....           | 149,230                 | 23,583                      | 13,924             | 10,671             | 19,822             | 28,787             | 22,989             | 9,906              | 16,425            | 3,392        |
| West Virginia.....      | 108,802                 | 11,098                      | 8,988              | 7,668              | 15,292             | 23,368             | 17,775             | 5,915              | 10,490            | 3,620        |
| North Carolina.....     | 135,375                 | 23,787                      | 14,794             | 12,030             | 19,735             | 24,314             | 18,722             | 6,288              | 13,680            | 2,763        |
| South Carolina.....     | 55,707                  | 14,134                      | 4,946              | 3,492              | 6,520              | 9,471              | 7,804              | 2,761              | 5,275             | 2,710        |
| Georgia.....            | 114,808                 | 23,756                      | 11,138             | 8,127              | 14,890             | 20,915             | 16,215             | 6,247              | 10,631            | 2,899        |
| Florida.....            | 119,623                 | 23,211                      | 12,220             | 8,265              | 16,071             | 20,275             | 16,435             | 5,458              | 14,133            | 2,892        |
| East South Central..... | 463,271                 | 89,775                      | 46,557             | 38,138             | 61,837             | 90,559             | 68,474             | 23,436             | 34,596            | 2,844        |
| Kentucky.....           | 81,653                  | 27,568                      | 13,582             | 10,456             | 18,864             | 31,356             | 25,877             | 9,294              | 12,355            | 3,268        |
| Tennessee.....          | 138,660                 | 23,502                      | 14,119             | 11,607             | 19,695             | 28,377             | 10,146             | 7,333              | 10,565            | 2,903        |
| Alabama.....            | 105,494                 | 20,057                      | 11,732             | 8,839              | 16,136             | 19,817             | 14,823             | 4,694              | 8,151             | 2,710        |
| Mississippi.....        | 65,032                  | 18,648                      | 7,124              | 4,084              | 8,192              | 11,009             | 7,128              | 2,115              | 3,525             | 2,074        |
| West South Central..... | 716,969                 | 162,332                     | 66,232             | 53,231             | 100,750            | 152,049            | 92,187             | 28,773             | 60,376            | 2,753        |
| Arkansas.....           | 81,653                  | 20,600                      | 10,079             | 7,438              | 12,103             | 14,617             | 7,834              | 2,253              | 3,490             | 2,090        |
| Louisiana.....          | 111,071                 | 27,970                      | 9,826              | 7,281              | 12,669             | 10,336             | 15,069             | 5,895              | 10,617            | 2,730        |
| Oklahoma.....           | 140,483                 | 35,880                      | 14,770             | 11,350             | 21,166             | 30,841             | 17,435             | 5,246              | 8,973             | 2,512        |
| Texas.....              | 374,755                 | 68,482                      | 31,547             | 27,162             | 54,792             | 87,255             | 51,849             | 15,379             | 27,296            | 2,998        |
| Mountain.....           | 308,747                 | 64,007                      | 28,627             | 24,278             | 48,859             | 69,899             | 41,384             | 10,343             | 13,487            | 2,694        |
| Montana.....            | 39,378                  | 8,177                       | 4,705              | 3,893              | 6,679              | 8,041              | 4,416              | 1,136              | 1,386             | 2,364        |
| Idaho.....              | 32,095                  | 5,900                       | 3,922              | 3,146              | 5,964              | 7,593              | 3,176              | 622                | 773               | 2,433        |
| Wyoming.....            | 15,289                  | 2,370                       | 1,400              | 1,083              | 2,321              | 3,740              | 2,505              | 656                | 773               | 3,136        |
| Colorado.....           | 98,552                  | 13,936                      | 8,069              | 7,443              | 15,263             | 24,275             | 15,746             | 4,382              | 5,416             | 3,209        |
| New Mexico.....         | 30,716                  | 16,096                      | 2,312              | 1,569              | 2,724              | 3,760              | 2,370              | 562                | 916               | (1)          |
| Arizona.....            | 33,017                  | 9,361                       | 2,795              | 2,295              | 3,844              | 6,249              | 4,179              | 1,157              | 1,814             | 2,363        |
| Utah.....               | 50,730                  | 5,982                       | 4,678              | 4,389              | 9,100              | 14,712             | 7,695              | 1,444              | 1,884             | 3,098        |
| Nevada.....             | 8,990                   | 2,641                       | 716                | 470                | 1,064              | 1,539              | 1,297              | 374                | 705               | 2,541        |
| Pacific.....            | 832,297                 | 44,702                      | 41,515             | 44,978             | 114,376            | 250,683            | 225,825            | 71,012             | 123,632           | 4,699        |
| Washington.....         | 183,333                 | 15,567                      | 14,434             | 16,244             | 37,025             | 56,312             | 29,445             | 6,193              | 9,137             | 3,116        |
| Oregon.....             | 111,762                 | 9,185                       | 8,217              | 8,442              | 19,160             | 35,017             | 19,779             | 4,415              | 5,907             | 3,574        |
| California.....         | 632,202                 | 19,960                      | 18,864             | 20,290             | 58,191             | 159,294            | 176,701            | 80,464             | 108,888           | 5,491        |

1 Less than \$1,000.

Source: Bureau of the Census, Department of Commerce.

# No. 45.—RENTED NONFARM HOMES CLASSIFIED ACCORDING TO MONTHLY RENTAL, BY STATES, 1930

Note.—Totals include homes with monthly rental unknown

| Division and State | All rented nonfarm homes | Number of homes with monthly rental— |              |              |              |              |              |              |                | Median rental |
|--------------------|--------------------------|--------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|---------------|
|                    |                          | Under \$10                           | \$10 to \$14 | \$15 to \$19 | \$20 to \$29 | \$30 to \$39 | \$50 to \$74 | \$75 to \$99 | \$100 and over |               |
| United States..... | 12,351,549               | 1,503,962                            | 1,330,927    | 1,302,987    | 2,545,208    | 3,191,436    | 1,503,401    | 343,071      | 255,839        | \$27.15       |
| New England.....   | 1,025,519                | 46,609                               | 102,658      | 139,308      | 299,291      | 309,949      | 87,816       | 18,399       | 11,349         | 27.29         |
| Maine.....         | 70,427                   | 10,053                               | 12,870       | 13,093       | 18,043       | 11,093       | 2,095        | 288          | 168            | 19.35         |
| N. Hampshire.....  | 51,400                   | 5,945                                | 10,445       | 11,194       | 14,095       | 7,081        | 987          | 114          | 61             | 18.83         |
| Vermont.....       | 31,573                   | 4,889                                | 6,642        | 5,337        | 8,394        | 4,487        | 739          | 82           | 38             | 18.46         |
| Massachusetts..... | 565,870                  | 13,803                               | 46,209       | 65,384       | 160,224      | 193,250      | 59,508       | 11,683       | 7,748          | 29.70         |
| Rhode Island.....  | 95,644                   | 4,390                                | 11,463       | 13,905       | 33,588       | 22,500       | 4,665        | 1,021        | 797            | 24.48         |
| Connecticut.....   | 210,605                  | 7,628                                | 16,125       | 23,595       | 64,047       | 68,478       | 19,822       | 3,208        | 2,634          | 28.41         |
| Mid. Atlantic..... | 3,382,819                | 128,125                              | 194,828      | 274,986      | 677,838      | 1,103,997    | 634,017      | 150,637      | 141,641        | 36.84         |
| New York.....      | 1,923,410                | 30,340                               | 70,893       | 121,993      | 331,629      | 636,309      | 455,802      | 109,740      | 112,880        | 41.91         |
| New Jersey.....    | 466,802                  | 7,682                                | 19,623       | 35,407       | 110,629      | 187,412      | 93,740       | 19,485       | 12,825         | 37.40         |
| Pennsylvania.....  | 963,607                  | 90,197                               | 104,417      | 117,590      | 235,180      | 280,126      | 84,475       | 21,306       | 15,936         | 26.91         |
| E.N. Central.....  | 2,542,573                | 167,875                              | 218,987      | 267,832      | 620,086      | 729,137      | 443,743      | 109,467      | 57,298         | 32.63         |
| Ohio.....          | 690,692                  | 41,406                               | 64,998       | 79,796       | 170,342      | 227,370      | 75,180       | 14,546       | 7,998          | 29.08         |
| Indiana.....       | 286,426                  | 33,858                               | 44,814       | 44,620       | 99,071       | 65,116       | 18,946       | 2,840        | 1,451          | 22.47         |
| Illinois.....      | 906,619                  | 44,905                               | 64,312       | 77,373       | 149,311      | 220,918      | 221,945      | 60,898       | 37,131         | 30.69         |
| Michigan.....      | 440,777                  | 23,545                               | 25,043       | 29,887       | 70,151       | 149,617      | 100,701      | 17,170       | 8,297          | 27.90         |
| Wisconsin.....     | 218,059                  | 13,991                               | 20,820       | 25,166       | 52,161       | 63,110       | 20,971       | 5,097        | 2,419          | 28.79         |
| W.N. Central.....  | 1,003,889                | 109,182                              | 160,913      | 150,173      | 229,513      | 239,368      | 75,957       | 14,356       | 8,318          | 23.43         |
| Minnesota.....     | 182,857                  | 11,855                               | 20,327       | 25,451       | 45,275       | 53,113       | 18,118       | 2,600        | 1,303          | 20.83         |
| Iowa.....          | 172,445                  | 10,699                               | 29,011       | 29,701       | 44,415       | 38,521       | 8,649        | 1,123        | 416            | 22.00         |
| Missouri.....      | 357,810                  | 44,698                               | 48,532       | 45,842       | 71,973       | 90,140       | 34,334       | 8,814        | 5,016          | 24.69         |
| N. Dakota.....     | 20,680                   | 3,091                                | 5,037        | 4,641        | 6,113        | 6,342        | 2,555        | 203          | 67             | 22.05         |
| S. Dakota.....     | 36,746                   | 3,660                                | 6,475        | 5,594        | 8,378        | 7,339        | 1,841        | 135          | 78             | 20.65         |
| Nebraska.....      | 88,985                   | 8,048                                | 14,501       | 14,782       | 21,086       | 20,204       | 5,693        | 892          | 497            | 22.61         |
| Kansas.....        | 139,466                  | 21,904                               | 26,630       | 22,167       | 32,275       | 23,634       | 4,767        | 584          | 251            | 19.03         |
| S. Atlantic.....   | 1,377,451                | 479,491                              | 225,426      | 140,525      | 209,731      | 181,462      | 71,455       | 16,444       | 11,424         | 14.17         |
| Delaware.....      | 23,407                   | 2,906                                | 2,537        | 2,742        | 5,601        | 6,294        | 2,013        | 398          | 248            | 25.58         |
| Maryland.....      | 151,923                  | 10,398                               | 17,183       | 17,801       | 39,044       | 38,042       | 9,581        | 2,839        | 2,656          | 24.51         |
| Dist. of Col.....  | 75,223                   | 482                                  | 2,201        | 4,018        | 9,979        | 27,062       | 19,433       | 5,101        | 3,735          | 44.28         |
| Virginia.....      | 185,338                  | 50,852                               | 35,413       | 23,844       | 29,511       | 22,819       | 9,646        | 1,837        | 917            | 14.77         |
| W. Virginia.....   | 176,748                  | 67,793                               | 30,157       | 19,117       | 28,160       | 19,897       | 6,543        | 1,112        | 553            | 13.13         |
| N. Carolina.....   | 202,022                  | 82,081                               | 41,928       | 20,826       | 25,387       | 17,233       | 6,092        | 1,299        | 574            | 11.90         |
| S. Carolina.....   | 132,013                  | 81,790                               | 17,518       | 8,791        | 10,889       | 7,521        | 1,937        | 356          | 100            | (1)           |
| Georgia.....       | 242,042                  | 110,845                              | 42,466       | 22,808       | 25,803       | 20,287       | 8,303        | 2,002        | 902            | 10.70         |
| Florida.....       | 188,045                  | 57,773                               | 36,973       | 20,618       | 34,264       | 22,307       | 7,307        | 1,500        | 1,589          | 14.56         |
| E.S. Central.....  | 693,279                  | 275,673                              | 134,537      | 73,443       | 90,025       | 65,742       | 23,239       | 5,034        | 2,563          | 12.21         |
| Kentucky.....      | 195,527                  | 62,759                               | 36,963       | 23,606       | 32,409       | 23,816       | 7,537        | 1,723        | 1,056          | 14.35         |
| Tennessee.....     | 194,015                  | 64,417                               | 40,588       | 24,372       | 27,675       | 19,744       | 8,635        | 1,940        | 801            | 13.66         |
| Alabama.....       | 205,076                  | 100,578                              | 38,917       | 17,780       | 19,993       | 14,374       | 5,125        | 969          | 523            | (1)           |
| Mississippi.....   | 97,661                   | 47,925                               | 18,000       | 7,785        | 9,948        | 7,806        | 1,942        | 402          | 183            | (1)           |
| W.S. Central.....  | 954,377                  | 248,599                              | 164,639      | 118,183      | 185,044      | 144,573      | 42,735       | 8,063        | 4,697          | 16.92         |
| Arkansas.....      | 103,324                  | 42,708                               | 19,201       | 10,297       | 13,802       | 8,783        | 2,084        | 304          | 200            | 11.56         |
| Louisiana.....     | 190,850                  | 57,704                               | 32,010       | 27,432       | 35,924       | 23,278       | 7,163        | 1,515        | 1,018          | 15.52         |
| Oklahoma.....      | 188,301                  | 35,053                               | 32,042       | 22,816       | 39,717       | 35,461       | 11,914       | 2,317        | 1,100          | 20.07         |
| Texas.....         | 471,902                  | 113,059                              | 79,886       | 57,618       | 95,601       | 77,051       | 21,574       | 3,927        | 2,349          | 17.83         |
| Mountain.....      | 834,641                  | 57,840                               | 55,869       | 47,380       | 74,088       | 63,893       | 17,634       | 2,826        | 1,892          | 19.95         |
| Montana.....       | 45,186                   | 6,069                                | 7,441        | 6,747        | 10,634       | 9,328        | 2,004        | 323          | 179            | 21.31         |
| Idaho.....         | 31,891                   | 5,606                                | 5,657        | 5,243        | 7,457        | 4,823        | 897          | 89           | 80             | 19.93         |
| Wyoming.....       | 23,293                   | 3,161                                | 4,550        | 3,770        | 5,062        | 4,495        | 1,000        | 129          | 93             | 17.59         |
| Colorado.....      | 100,980                  | 13,562                               | 15,470       | 13,693       | 23,623       | 21,760       | 6,540        | 1,185        | 725            | 22.36         |
| New Mexico.....    | 31,222                   | 11,314                               | 5,110        | 3,272        | 4,766        | 4,056        | 970          | 118          | 98             | 13.46         |
| Arizona.....       | 40,009                   | 10,164                               | 7,847        | 6,271        | 9,526        | 9,033        | 2,723        | 523          | 411            | 19.17         |
| Utah.....          | 40,842                   | 6,349                                | 7,034        | 6,869        | 10,555       | 7,928        | 1,979        | 300          | 168            | 20.79         |
| Nevada.....        | 12,118                   | 2,195                                | 1,700        | 1,645        | 2,405        | 2,470        | 921          | 156          | 138            | 21.12         |
| Pacific.....       | 1,036,901                | 61,144                               | 82,975       | 100,682      | 261,142      | 353,419      | 106,805      | 18,943       | 16,199         | 29.62         |
| Washington.....    | 149,822                  | 24,885                               | 20,223       | 22,359       | 39,331       | 33,430       | 10,519       | 1,567        | 921            | 23.60         |
| Oregon.....        | 93,993                   | 13,143                               | 14,009       | 14,081       | 24,212       | 19,641       | 4,248        | 560          | 474            | 21.61         |
| California.....    | 793,986                  | 33,116                               | 48,743       | 63,625       | 197,599      | 300,348      | 92,038       | 17,821       | 14,804         | 32.73         |

1 Less than \$10.

Source: Bureau of the Census, Department of Commerce.

**No. 46.—PERSONS 10 YEARS OF AGE AND OVER—NUMBER IN TOTAL POPULATION AND NUMBER GAINFULLY OCCUPIED: By Sex, 1890 to 1930, AND BY SEX AND AGE, 1920 AND 1930, CONTINENTAL UNITED STATES**

| Year and age           | Total                                 |                    |          |                                       | Male               |          |                                       |                    | Female             |          |                                       |                    |
|------------------------|---------------------------------------|--------------------|----------|---------------------------------------|--------------------|----------|---------------------------------------|--------------------|--------------------|----------|---------------------------------------|--------------------|
|                        | Total number 10 years of age and over | Gainfully occupied |          | Total number 10 years of age and over | Gainfully occupied |          | Total number 10 years of age and over | Gainfully occupied | Gainfully occupied |          | Total number 10 years of age and over | Gainfully occupied |
|                        |                                       | Number             | Per cent |                                       | Number             | Per cent |                                       |                    | Number             | Per cent |                                       |                    |
| 1890.....              | 47,413,559                            | 23,318,183         | 49.2     | 24,352,659                            | 19,312,651         | 79.3     | 23,060,900                            | 4,005,532          | 17.4               |          |                                       |                    |
| 1900.....              | 57,940,824                            | 28,073,233         | 50.2     | 29,703,440                            | 23,753,836         | 80.0     | 28,246,384                            | 5,319,397          | 18.8               |          |                                       |                    |
| 1910.....              | 71,580,270                            | 38,187,336         | 53.3     | 37,027,558                            | 30,091,564         | 81.3     | 34,552,712                            | 8,075,772          | 23.4               |          |                                       |                    |
| 1920.....              | 82,739,316                            | 41,614,248         | 50.3     | 42,289,969                            | 33,084,737         | 78.2     | 40,449,846                            | 8,549,511          | 21.1               |          |                                       |                    |
| 10 to 13 years.....    | 8,594,872                             | 378,063            | 4.4      | 4,336,009                             | 285,259            | 6.0      | 4,258,863                             | 119,804            | 2.8                |          |                                       |                    |
| 14 years.....          | 2,046,265                             | 257,594            | 12.6     | 1,033,297                             | 174,693            | 16.9     | 1,012,968                             | 82,911             | 8.2                |          |                                       |                    |
| 15 years.....          | 1,861,445                             | 425,201            | 22.8     | 925,579                               | 281,306            | 30.4     | 935,766                               | 143,895            | 15.4               |          |                                       |                    |
| 16 years.....          | 1,972,958                             | 778,957            | 39.5     | 976,834                               | 501,134            | 51.3     | 996,124                               | 277,823            | 27.9               |          |                                       |                    |
| 17 years.....          | 1,855,173                             | 933,691            | 50.3     | 926,033                               | 502,322            | 55.0     | 929,140                               | 331,369            | 35.7               |          |                                       |                    |
| 18 and 19 years.....   | 3,740,980                             | 2,246,233          | 60.0     | 1,845,248                             | 1,443,938          | 78.3     | 1,895,734                             | 802,235            | 42.3               |          |                                       |                    |
| 20 to 24 years.....    | 9,277,021                             | 5,930,467          | 63.9     | 4,527,045                             | 4,121,392          | 91.0     | 4,749,976                             | 1,809,075          | 38.1               |          |                                       |                    |
| 25 to 44 years.....    | 31,278,622                            | 18,996,959         | 60.7     | 16,028,920                            | 15,579,586         | 97.2     | 15,240,602                            | 3,417,373          | 22.4               |          |                                       |                    |
| 45 to 64 years.....    | 17,030,165                            | 9,904,654          | 58.2     | 9,114,960                             | 8,552,175          | 93.8     | 7,915,205                             | 1,352,479          | 17.1               |          |                                       |                    |
| 65 years and over..... | 4,933,216                             | 1,689,737          | 34.3     | 2,483,071                             | 1,492,837          | 60.1     | 2,450,144                             | 196,900            | 8.0                |          |                                       |                    |
| Unknown.....           | 148,609                               | 72,722             | 48.9     | 92,875                                | 67,075             | 61.6     | 55,824                                | 15,647             | 28.0               |          |                                       |                    |
| 1930.....              | 98,728,047                            | 48,828,920         | 49.5     | 49,949,798                            | 38,077,804         | 76.2     | 48,773,249                            | 10,752,116         | 22.0               |          |                                       |                    |
| 10 to 13 years.....    | 9,622,492                             | 235,328            | 2.4      | 4,862,291                             | 162,260            | 3.3      | 4,760,201                             | 73,068             | 1.5                |          |                                       |                    |
| 14 years.....          | 2,382,985                             | 157,660            | 6.6      | 1,206,486                             | 110,839            | 9.2      | 1,176,599                             | 46,821             | 4.0                |          |                                       |                    |
| 15 years.....          | 2,295,699                             | 274,130            | 11.9     | 1,154,648                             | 187,643            | 16.3     | 1,141,051                             | 89,487             | 7.6                |          |                                       |                    |
| 16 years.....          | 2,367,815                             | 587,817            | 24.8     | 1,181,920                             | 386,511            | 32.7     | 1,186,395                             | 201,306            | 17.0               |          |                                       |                    |
| 17 years.....          | 2,295,822                             | 891,024            | 38.8     | 1,157,150                             | 577,983            | 49.9     | 1,138,672                             | 313,041            | 27.5               |          |                                       |                    |
| 18 and 19 years.....   | 4,595,279                             | 2,542,213          | 55.3     | 2,264,107                             | 1,590,768          | 70.7     | 2,329,172                             | 942,445            | 40.5               |          |                                       |                    |
| 20 to 24 years.....    | 10,870,878                            | 7,147,063          | 65.7     | 5,336,815                             | 4,790,505          | 89.9     | 5,535,563                             | 2,347,548          | 42.4               |          |                                       |                    |
| 25 to 29 years.....    | 9,833,608                             | 6,255,677          | 63.6     | 4,860,180                             | 4,174,266          | 87.0     | 4,973,428                             | 1,541,411          | 31.0               |          |                                       |                    |
| 30 to 34 years.....    | 9,120,421                             | 5,567,327          | 61.0     | 4,561,788                             | 4,454,400          | 97.6     | 4,558,636                             | 1,112,927          | 24.4               |          |                                       |                    |
| 35 to 39 years.....    | 9,208,645                             | 5,619,242          | 61.0     | 4,679,860                             | 4,571,641          | 97.7     | 4,528,785                             | 1,047,601          | 23.1               |          |                                       |                    |
| 40 to 44 years.....    | 7,990,195                             | 4,881,208          | 61.1     | 4,136,459                             | 4,036,561          | 97.6     | 3,853,736                             | 844,737            | 21.9               |          |                                       |                    |
| 45 to 49 years.....    | 7,042,279                             | 4,276,070          | 60.7     | 3,671,924                             | 3,560,094          | 97.2     | 3,370,555                             | 706,576            | 21.0               |          |                                       |                    |
| 50 to 54 years.....    | 5,975,594                             | 3,555,091          | 59.5     | 3,131,645                             | 2,996,041          | 95.7     | 2,844,159                             | 559,550            | 19.7               |          |                                       |                    |
| 55 to 59 years.....    | 4,645,677                             | 2,640,064          | 56.8     | 2,425,992                             | 2,256,771          | 93.0     | 2,219,685                             | 383,293            | 17.3               |          |                                       |                    |
| 60 to 64 years.....    | 3,751,221                             | 1,950,528          | 52.0     | 1,941,503                             | 1,684,743          | 86.8     | 1,900,713                             | 285,785            | 14.7               |          |                                       |                    |
| 65 to 69 years.....    | 2,770,605                             | 1,227,042          | 44.3     | 1,417,812                             | 1,072,900          | 75.7     | 1,352,793                             | 154,142            | 11.4               |          |                                       |                    |
| 70 to 74 years.....    | 1,950,004                             | 642,902            | 33.0     | 991,647                               | 570,233            | 57.5     | 958,357                               | 72,699             | 7.6                |          |                                       |                    |
| 75 years and over..... | 1,913,196                             | 335,023            | 17.5     | 915,752                               | 295,616            | 32.3     | 997,444                               | 39,407             | 4.0                |          |                                       |                    |
| Unknown.....           | 94,022                                | 44,431             | 47.3     | 51,816                                | 31,029             | 59.9     | 42,202                                | 13,402             | 31.8               |          |                                       |                    |

Source: Bureau of the Census, Department of Commerce.

**No. 47.—MALES AND FEMALES 10 YEARS OF AGE AND OVER GAINFULLY OCCUPIED: By AGE PERIODS FOR EACH PRINCIPAL CLASS OF THE POPULATION AND FOR EACH GENERAL DIVISION OF OCCUPATIONS, 1930**

NOTE.—Per cents represent the proportion which persons employed form of the total number of persons of the specified class and age. For totals for all ages, see Table 46

| Sex and age            | Native white |          | Foreign-born white |          | Negro     |          | Other races |          |
|------------------------|--------------|----------|--------------------|----------|-----------|----------|-------------|----------|
|                        | Number       | Per cent | Number             | Per cent | Number    | Per cent | Number      | Per cent |
| Male.....              | 27,511,862   | 73.4     | 6,255,071          | 88.4     | 3,662,893 | 80.2     | 647,973     | 78.0     |
| 10 to 13 years.....    | 91,449       | 2.2      | 321                | .5       | 86,323    | 13.3     | 4,167       | 4.8      |
| 14 and 15 years.....   | 205,931      | 10.1     | 2,202              | 6.3      | 83,727    | 34.5     | 6,622       | 17.8     |
| 16 and 17 years.....   | 772,196      | 38.6     | 24,584             | 43.2     | 149,853   | 61.2     | 17,861      | 47.1     |
| 18 and 19 years.....   | 1,314,411    | 68.9     | 62,431             | 77.6     | 190,823   | 81.7     | 32,103      | 76.5     |
| 20 to 24 years.....    | 3,875,562    | 89.2     | 298,518            | 93.5     | 517,707   | 93.5     | 107,718     | 91.9     |
| 25 to 29 years.....    | 3,613,047    | 97.0     | 504,561            | 97.9     | 483,423   | 96.8     | 108,235     | 96.0     |
| 30 to 34 years.....    | 3,327,876    | 97.6     | 639,702            | 98.3     | 403,804   | 96.9     | 83,018      | 96.8     |
| 35 to 39 years.....    | 3,201,217    | 97.6     | 876,374            | 98.2     | 418,037   | 97.1     | 70,013      | 97.2     |
| 40 to 44 years.....    | 2,702,381    | 97.5     | 942,667            | 98.0     | 329,762   | 97.2     | 61,751      | 97.2     |
| 45 to 49 years.....    | 2,342,080    | 97.1     | 859,580            | 97.5     | 314,200   | 97.2     | 53,284      | 96.9     |
| 50 to 54 years.....    | 1,999,902    | 95.6     | 690,811            | 95.6     | 268,330   | 96.7     | 36,698      | 95.3     |
| 55 to 59 years.....    | 1,555,049    | 93.1     | 509,352            | 91.9     | 186,770   | 95.6     | 24,600      | 92.0     |
| 60 to 64 years.....    | 1,141,968    | 87.5     | 402,834            | 83.3     | 123,615   | 92.6     | 16,426      | 85.8     |
| 65 to 69 years.....    | 727,512      | 77.0     | 263,369            | 69.7     | 72,646    | 87.7     | 9,873       | 77.2     |
| 70 to 74 years.....    | 410,154      | 50.4     | 118,780            | 48.0     | 38,786    | 76.2     | 4,513       | 61.0     |
| 75 years and over..... | 205,794      | 33.5     | 56,045             | 23.5     | 30,228    | 54.2     | 3,559       | 41.6     |
| Unknown.....           | 19,353       | 53.0     | 4,990              | 82.9     | 4,959     | 70.2     | 1,727       | 77.0     |

No. 47.—MALES AND FEMALES 10 YEARS OF AGE AND OVER GAINFULLY OCCUPIED: BY AGE FOR EACH PRINCIPAL CLASS OF THE POPULATION AND FOR EACH GENERAL DIVISION OF OCCUPATIONS, 1930—Continued

| Sex and age            | Native white |          | Foreign-born white |          | Negro     |          | Other races |          |
|------------------------|--------------|----------|--------------------|----------|-----------|----------|-------------|----------|
|                        | Number       | Per cent | Number             | Per cent | Number    | Per cent | Number      | Per cent |
| Female.....            | 7,881,808    | 20.5     | 1,166,056          | 18.8     | 1,840,642 | 38.9     | 93,910      | 15.2     |
| 10 to 13 years.....    | 29,087       | .7       | 105                | .2       | 41,878    | 8.4      | 2,028       | 2.4      |
| 14 and 15 years.....   | 80,863       | 4.1      | 1,516              | 4.4      | 48,129    | 19.1     | 2,800       | 7.6      |
| 16 and 17 years.....   | 403,308      | 20.5     | 22,991             | 38.6     | 81,719    | 31.7     | 6,329       | 17.4     |
| 18 and 19 years.....   | 763,322      | 39.5     | 37,692             | 64.5     | 113,542   | 41.5     | 8,889       | 23.8     |
| 20 to 24 years.....    | 1,843,817    | 41.5     | 181,553            | 52.9     | 299,103   | 46.0     | 18,075      | 21.6     |
| 25 to 29 years.....    | 1,106,708    | 29.0     | 164,198            | 30.5     | 267,688   | 46.9     | 12,520      | 17.0     |
| 30 to 34 years.....    | 769,781      | 22.3     | 122,865            | 20.6     | 210,167   | 46.9     | 10,124      | 16.8     |
| 35 to 39 years.....    | 682,261      | 20.8     | 136,152            | 18.4     | 218,680   | 47.7     | 9,602       | 17.2     |
| 40 to 44 years.....    | 546,923      | 20.0     | 124,165            | 17.0     | 195,865   | 47.8     | 7,294       | 17.5     |
| 45 to 49 years.....    | 447,514      | 19.1     | 109,431            | 18.6     | 144,011   | 46.9     | 6,020       | 17.6     |
| 50 to 54 years.....    | 362,804      | 18.2     | 89,029             | 15.0     | 108,328   | 46.5     | 3,889       | 16.7     |
| 55 to 59 years.....    | 291,257      | 16.4     | 62,370             | 13.2     | 87,175    | 42.3     | 2,493       | 15.0     |
| 60 to 64 years.....    | 176,189      | 14.0     | 40,237             | 10.8     | 41,711    | 58.3     | 1,693       | 13.2     |
| 65 to 69 years.....    | 102,223      | 10.9     | 27,511             | 8.2      | 28,513    | 32.5     | 895         | 10.0     |
| 70 to 74 years.....    | 48,768       | 7.1      | 12,152             | 6.6      | 11,328    | 28.6     | 431         | 7.9      |
| 75 years and over..... | 24,081       | 3.5      | 6,669              | 2.7      | 8,278     | 13.2     | 409         | 5.4      |
| Unknown.....           | 8,725        | 28.1     | 1,420              | 37.3     | 3,143     | 47.1     | 114         | 15.9     |

  

| Sex and age            | Agriculture | Forestry and fishing | Extraction of minerals | Manufacturing and mechanical industries | Transportation and communication | Trade     | Public service (not elsewhere classified) | Professional service | Domestic and personal service | Clerical occupations |
|------------------------|-------------|----------------------|------------------------|-----------------------------------------|----------------------------------|-----------|-------------------------------------------|----------------------|-------------------------------|----------------------|
| Male.....              | 9,592,059   | 250,140              | 383,584                | 12,224,345                              | 3,561,943                        | 5,116,787 | 838,822                                   | 1,737,680            | 1,772,200                     | 2,036,494            |
| 10 to 13 years.....    | 136,697     | 219                  | 125                    | 3,493                                   | 506                              | 14,126    | 132                                       | 843                  | 2,506                         | 403                  |
| 14 and 15 years.....   | 203,403     | 1,380                | 1,034                  | 31,696                                  | 7,379                            | 30,088    | 327                                       | 3,203                | 7,943                         | 11,879               |
| 16 and 17 years.....   | 433,082     | 5,760                | 13,336                 | 233,980                                 | 49,105                           | 93,868    | 4,224                                     | 14,617               | 33,612                        | 77,580               |
| 18 and 19 years.....   | 527,010     | 10,574               | 40,670                 | 484,121                                 | 117,400                          | 168,658   | 21,049                                    | 33,576               | 61,146                        | 144,394              |
| 20 to 24 years.....    | 1,136,936   | 33,572               | 130,183                | 1,556,865                               | 488,778                          | 548,973   | 85,009                                    | 189,193              | 193,758                       | 416,443              |
| 25 to 29 years.....    | 902,211     | 31,262               | 130,251                | 1,569,965                               | 541,351                          | 630,810   | 66,753                                    | 250,527              | 211,064                       | 332,082              |
| 30 to 34 years.....    | 825,680     | 26,960               | 123,035                | 1,501,455                               | 500,621                          | 670,867   | 101,168                                   | 233,630              | 205,957                       | 264,727              |
| 35 to 39 years.....    | 895,899     | 28,855               | 133,188                | 1,586,037                               | 480,108                          | 685,919   | 98,400                                    | 219,188              | 225,774                       | 217,774              |
| 40 to 44 years.....    | 849,079     | 37,353               | 120,256                | 1,410,114                               | 396,055                          | 591,139   | 84,764                                    | 189,698              | 203,921                       | 162,182              |
| 45 to 49 years.....    | 844,949     | 25,788               | 104,392                | 1,214,428                               | 329,889                          | 503,299   | 78,104                                    | 162,528              | 177,055                       | 128,712              |
| 50 to 54 years.....    | 802,094     | 21,363               | 76,598                 | 957,015                                 | 251,127                          | 418,090   | 76,182                                    | 142,300              | 148,405                       | 102,967              |
| 55 to 59 years.....    | 662,246     | 15,218               | 50,130                 | 890,130                                 | 174,155                          | 307,423   | 65,293                                    | 108,043              | 109,866                       | 74,487               |
| 60 to 64 years.....    | 539,104     | 10,517               | 30,229                 | 490,122                                 | 120,549                          | 220,388   | 55,913                                    | 79,425               | 84,994                        | 53,502               |
| 65 to 69 years.....    | 385,893     | 6,419                | 16,969                 | 291,323                                 | 66,262                           | 132,350   | 36,334                                    | 47,373               | 57,016                        | 30,967               |
| 70 to 74 years.....    | 241,822     | 3,181                | 6,219                  | 134,647                                 | 23,735                           | 87,689    | 20,662                                    | 26,687               | 31,021                        | 14,830               |
| 75 years and over..... | 147,369     | 1,489                | 2,846                  | 56,980                                  | 8,018                            | 31,868    | 8,824                                     | 15,775               | 15,791                        | 6,258                |
| Unknown.....           | 4,646       | 316                  | 593                    | 11,374                                  | 3,514                            | 4,232     | 684                                       | 1,744                | 2,571                         | 1,357                |
| Female.....            | 909,939     | 328                  | 719                    | 1,886,307                               | 281,204                          | 962,680   | 17,583                                    | 1,526,234            | 3,180,251                     | 1,986,830            |
| 10 to 13 years.....    | 65,886      | 3                    | 2                      | 1,268                                   | 77                               | 620       | 11                                        | 126                  | 4,995                         | 100                  |
| 14 and 15 years.....   | 60,631      | 10                   | 13                     | 31,809                                  | 656                              | 4,781     | 15                                        | 672                  | 30,701                        | 4,221                |
| 16 and 17 years.....   | 72,989      | 18                   | 76                     | 164,005                                 | 17,233                           | 44,480    | 42                                        | 8,458                | 129,547                       | 77,490               |
| 18 and 19 years.....   | 67,936      | 26                   | 95                     | 219,666                                 | 41,291                           | 85,063    | 96                                        | 74,677               | 204,153                       | 249,442              |
| 20 to 24 years.....    | 112,811     | 36                   | 147                    | 396,692                                 | 88,868                           | 181,013   | 1,862                                     | 418,657              | 481,358                       | 664,814              |
| 25 to 29 years.....    | 70,947      | 29                   | 71                     | 236,542                                 | 49,175                           | 122,340   | 1,981                                     | 287,874              | 392,362                       | 380,960              |
| 30 to 34 years.....    | 67,883      | 32                   | 70                     | 181,184                                 | 29,586                           | 106,275   | 2,132                                     | 185,690              | 327,764                       | 222,311              |
| 35 to 39 years.....    | 68,680      | 40                   | 75                     | 178,510                                 | 20,943                           | 112,422   | 2,504                                     | 156,604              | 355,605                       | 152,209              |
| 40 to 44 years.....    | 66,137      | 39                   | 52                     | 144,425                                 | 12,880                           | 96,016    | 2,442                                     | 110,390              | 306,597                       | 97,736               |
| 45 to 49 years.....    | 67,118      | 25                   | 53                     | 113,402                                 | 8,275                            | 78,683    | 2,198                                     | 93,231               | 281,591                       | 62,317               |
| 50 to 54 years.....    | 61,344      | 22                   | 39                     | 85,119                                  | 5,474                            | 57,397    | 1,914                                     | 74,246               | 235,668                       | 37,827               |
| 55 to 59 years.....    | 46,234      | 20                   | 31                     | 67,614                                  | 3,268                            | 35,641    | 1,289                                     | 40,112               | 180,868                       | 20,226               |
| 60 to 64 years.....    | 38,200      | 10                   | 14                     | 38,557                                  | 1,962                            | 20,379    | 743                                       | 30,322               | 125,785                       | 9,813                |
| 65 to 69 years.....    | 26,199      | 9                    | 12                     | 22,072                                  | 894                              | 10,009    | 406                                       | 14,721               | 79,010                        | 3,811                |
| 70 to 74 years.....    | 16,063      | 4                    | 6                      | 9,435                                   | 333                              | 4,062     | 148                                       | 8,007                | 35,442                        | 1,169                |
| 75 years and over..... | 12,440      | 4                    | 1                      | 4,068                                   | 157                              | 1,748     | 67                                        | 2,721                | 17,709                        | 407                  |
| Unknown.....           | 438         | 2                    | 2                      | 1,849                                   | 234                              | 1,151     | 35                                        | 2,726                | 5,076                         | 1,881                |

Source: Bureau of the Census, Department of Commerce.

# No. 48.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY GENERAL DIVISIONS OF OCCUPATIONS AND SEX, CONTINENTAL UNITED STATES

[Per cent not shown where less than 0.1]

| Year and general division of occupations       | Number       |              |              | Per cent distribution |        |        | Per cent of total |        |
|------------------------------------------------|--------------|--------------|--------------|-----------------------|--------|--------|-------------------|--------|
|                                                | Total        | Male         | Female       | Total                 | Male   | Female | Male              | Female |
| 1920.....                                      | 41, 614, 248 | 33, 064, 737 | 8, 549, 511  | 100. 0                | 100. 0 | 100. 0 | 79. 5             | 20. 5  |
| Agriculture.....                               | 10, 065, 812 | 9, 582, 666  | 1, 083, 146  | 25. 6                 | 29. 0  | 12. 7  | 89. 8             | 10. 2  |
| Forestry and fishing.....                      | 270, 214     | 269, 541     | 673          | . 6                   | . 8    | -----  | 99. 8             | . 2    |
| Extraction of minerals.....                    | 1, 090, 223  | 1, 087, 359  | 2, 864       | 2. 6                  | 3. 3   | -----  | 99. 7             | . 3    |
| Manufacturing and mechanical industries.....   | 12, 831, 879 | 10, 901, 527 | 1, 930, 352  | 30. 8                 | 33. 0  | 22. 6  | 85. 0             | 15. 0  |
| Transportation and communication.....          | 3, 095, 829  | 2, 872, 559  | 224, 270     | 7. 4                  | 8. 7   | 2. 0   | 92. 8             | 7. 2   |
| Trade.....                                     | 4, 267, 984  | 3, 585, 701  | 671, 983     | 10. 2                 | 10. 8  | 7. 9   | 84. 2             | 15. 8  |
| Public service (not elsewhere classified)..... | 738, 525     | 727, 939     | 10, 586      | 1. 8                  | 2. 2   | . 1    | 98. 6             | 1. 4   |
| Professional service.....                      | 2, 171, 251  | 1, 154, 221  | 1, 017, 030  | 5. 2                  | 3. 5   | 11. 9  | 53. 2             | 46. 8  |
| Domestic and personal service.....             | 3, 379, 995  | 1, 193, 313  | 2, 186, 682  | 8. 1                  | 3. 6   | 25. 0  | 35. 3             | 64. 7  |
| Clerical occupations.....                      | 3, 111, 836  | 1, 689, 911  | 1, 421, 925  | 7. 5                  | 6. 1   | 16. 6  | 54. 3             | 45. 7  |
| 1930.....                                      | 48, 829, 920 | 38, 077, 804 | 10, 752, 116 | 100. 0                | 100. 0 | 100. 0 | 73. 0             | 22. 0  |
| Agriculture.....                               | 10, 471, 998 | 9, 562, 059  | 909, 939     | 21. 4                 | 25. 1  | 8. 5   | 91. 3             | 8. 7   |
| Forestry and fishing.....                      | 250, 469     | 250, 140     | 329          | . 5                   | . 7    | -----  | 99. 9             | . 1    |
| Extraction of minerals.....                    | 984, 323     | 983, 584     | 739          | 2. 0                  | 2. 6   | -----  | 99. 9             | . 1    |
| Manufacturing and mechanical industries.....   | 14, 110, 652 | 12, 224, 345 | 1, 886, 307  | 28. 9                 | 32. 1  | 17. 5  | 86. 6             | 13. 4  |
| Transportation and communication.....          | 3, 843, 147  | 3, 561, 943  | 281, 204     | 7. 9                  | 9. 4   | 2. 6   | 92. 7             | 7. 3   |
| Trade.....                                     | 6, 081, 467  | 5, 118, 787  | 962, 680     | 12. 5                 | 13. 4  | 9. 0   | 84. 2             | 15. 8  |
| Public service (not elsewhere classified)..... | 856, 205     | 838, 622     | 17, 583      | 1. 8                  | 2. 2   | . 2    | 97. 9             | 2. 1   |
| Professional service.....                      | 3, 253, 884  | 1, 727, 650  | 1, 526, 234  | 6. 7                  | 4. 6   | 14. 2  | 53. 1             | 46. 9  |
| Domestic and personal service.....             | 4, 062, 451  | 1, 772, 200  | 3, 180, 251  | 10. 1                 | 4. 7   | 29. 3  | 35. 8             | 64. 2  |
| Clerical occupations.....                      | 4, 025, 324  | 2, 035, 494  | 1, 986, 830  | 8. 2                  | 6. 4   | 18. 5  | 50. 6             | 49. 4  |

Source: Bureau of the Census, Department of Commerce.

# No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES

[The 1920 figures for certain division totals have been corrected to conform with the 1930 classification]

| Occupation                                          | 1920         |              |             | 1930         |              |              |
|-----------------------------------------------------|--------------|--------------|-------------|--------------|--------------|--------------|
|                                                     | Total        | Male         | Female      | Total        | Male         | Female       |
| All occupations.....                                | 41, 614, 248 | 33, 064, 737 | 8, 549, 511 | 48, 829, 920 | 38, 077, 804 | 10, 752, 116 |
| Agriculture <sup>1</sup> .....                      | 10, 065, 812 | 9, 582, 666  | 1, 083, 146 | 10, 471, 998 | 9, 562, 059  | 909, 939     |
| Farmers (owners and tenants).....                   | 6, 387, 360  | 6, 121, 783  | 265, 577    | 6, 012, 012  | 5, 749, 307  | 262, 645     |
| Farm managers and foremen.....                      | 92, 324      | 77, 984      | 14, 340     | 67, 222      | 66, 259      | 963          |
| Farm laborers.....                                  | 4, 186, 128  | 3, 382, 899  | 803, 229    | 4, 392, 764  | 3, 746, 433  | 646, 331     |
| Wage workers <sup>2</sup> .....                     | 2, 336, 009  | 2, 109, 422  | 226, 587    | 2, 732, 972  | 2, 561, 649  | 171, 323     |
| Unpaid family workers <sup>2</sup> .....            | 1, 850, 119  | 1, 273, 477  | 576, 642    | 1, 650, 792  | 1, 184, 784  | 475, 008     |
| Forestry and fishing.....                           | 270, 214     | 269, 541     | 673         | 250, 469     | 250, 140     | 329          |
| Fishermen and oystermen.....                        | 52, 836      | 52, 457      | 379         | 73, 280      | 73, 071      | 209          |
| Foresters, forest rangers, and timber cruisers..... | 3, 653       | 3, 651       | 2           | 8, 057       | 8, 042       | 15           |
| Owners and managers of log and timber camps.....    | 8, 410       | 8, 397       | 13          | 6, 899       | 6, 889       | 10           |
| Owners and proprietors.....                         | 6, 315       | 6, 307       | 8           | 5, 650       | 5, 641       | 9            |
| Managers and officials.....                         | 2, 095       | 2, 090       | 5           | 1, 249       | 1, 248       | 1            |
| Lumbermen, raftsmen, and wood choppers.....         | 205, 315     | 205, 036     | 279         | 162, 233     | 162, 138     | 95           |

<sup>1</sup> Because of changes made in 1930 in the classification of agricultural pursuits, it is impossible to group the 1920 occupations exactly according to the 1930 classification. It is believed, however, that the effect of the difference in grouping on the comparability of figures here presented is negligible. Figures have been adjusted to exclude those employed on turpentine farms classified in "Agriculture" in 1920 (see Note 5).

<sup>2</sup> Since, in 1920, only farm laborers on general farms were distinguished as working on "home farm" or "working out," farm laborers on dairy farms, stock farms, truck farms, poultry farms, etc., who were, in fact, working on the "home farm" as "unpaid family workers" were not included in "Farm laborers (home farm)." Hence, as here compiled for 1920, the number of farm laborers classified as "Wage workers" probably is somewhat too large, and the number classified as "Unpaid family workers" somewhat too small.

**No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued**

| Occupation                                                | 1920              |                   |                  | 1930              |                   |                  |
|-----------------------------------------------------------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|
|                                                           | Total             | Male              | Female           | Total             | Male              | Female           |
| <b>Extraction of minerals</b> .....                       | <b>1,090,223</b>  | <b>1,087,359</b>  | <b>2,864</b>     | <b>984,383</b>    | <b>983,584</b>    | <b>759</b>       |
| Operators, managers, and officials.....                   | 34,325            | 34,143            | 182              | 30,896            | 30,766            | 141              |
| Operators.....                                            | 17,334            | 17,216            | 118              | 15,511            | 15,428            | 88               |
| Managers and officials.....                               | 16,991            | 16,927            | 64               | 15,385            | 15,332            | 53               |
| Foremen, overseers, and inspectors.....                   | 36,931            | 36,923            | 8                | 34,289            | 34,274            | 12               |
| Coal mine operatives.....                                 | 733,936           | 732,441           | 1,495            | 621,661           | 621,545           | 116              |
| Copper mine operatives.....                               | 36,054            | 35,918            | 136              | 30,999            | 30,936            | 63               |
| Gold and silver mine operatives.....                      | 32,700            | 32,666            | 34               | 18,157            | 18,148            | 9                |
| Iron mine operatives.....                                 | 38,704            | 38,605            | 99               | 24,248            | 24,245            | 3                |
| Lead and zinc mine operatives.....                        | 20,793            | 20,749            | 49               | 16,164            | 16,163            | 1                |
| Other and not specified mine operatives.....              | 20,691            | 20,633            | 58               | 33,340            | 33,316            | 30               |
| Quarry operatives.....                                    | 45,162            | 45,084            | 78               | 65,288            | 65,263            | 25               |
| Oil and gas well operatives.....                          | 85,550            | 85,303            | 247              | 105,224           | 105,212           | 12               |
| Salt well and works operatives.....                       | 5,472             | 4,994             | 478              | 4,124             | 3,717             | 407              |
| <b>Manufacturing and mechanical industries</b> .....      | <b>12,831,879</b> | <b>10,901,587</b> | <b>1,930,359</b> | <b>14,110,652</b> | <b>12,294,345</b> | <b>1,886,307</b> |
| Apprentices to building and hand trades.....              | 73,953            | 73,897            | 56               | 40,133            | 40,105            | 28               |
| Carpenters' apprentices.....                              | 4,805             | 4,797             | 8                | 4,138             | 4,133             | 5                |
| Electricians' apprentices.....                            | 9,562             | 9,557             | 5                | 4,611             | 4,604             | 7                |
| Machinists' apprentices <sup>1</sup> .....                | 39,463            | 39,443            | 15               | 13,606            | 13,600            | 6                |
| Plumbers' apprentices.....                                | 7,388             | 7,389             | -----            | 5,937             | 5,937             | -----            |
| Apprentices to other building and hand trades.....        | 12,737            | 12,709            | 28               | 11,841            | 11,831            | 10               |
| Apprentices to dressmakers and milliners.....             | 4,326             | 17                | 4,309            | 2,181             | 20                | 2,161            |
| Apprentices to printers and bookbinders.....              | 11,603            | 10,368            | 1,237            | 10,928            | 10,575            | 353              |
| Other apprentices in manufacturing <sup>1</sup> .....     | 50,518            | 46,687            | 3,831            | 24,210            | 22,855            | 1,355            |
| Bakers.....                                               | 97,940            | 93,347            | 4,593            | 140,800           | 131,884           | 8,916            |
| Blacksmiths, forgers, and hammermen.....                  | 221,421           | 221,416           | 5                | 147,469           | 147,460           | 9                |
| Boilermakers.....                                         | 74,088            | 74,088            | -----            | 49,923            | 49,923            | -----            |
| Brick and stone masons and tile layers.....               | 131,264           | 131,267           | 7                | 170,903           | 170,896           | 7                |
| Builders and building contractors.....                    | 90,109            | 90,030            | 79               | 167,512           | 167,510           | 202              |
| Cabinetmakers.....                                        | 45,511            | 45,503            | 8                | 57,897            | 57,890            | 7                |
| Carpenters.....                                           | 887,379           | 887,208           | 171              | 929,426           | 929,376           | 50               |
| Compositors, linotypers, and typesetters.....             | 140,185           | 128,859           | 11,306           | 183,632           | 173,963           | 10,269           |
| Coopers.....                                              | 19,066            | 19,061            | 5                | 11,847            | 11,847            | -----            |
| Dressmakers and seamstresses (not in factory).....        | 235,855           | 336               | 235,519          | 158,880           | 452               | 157,928          |
| Dyers.....                                                | 15,109            | 14,978            | 131              | 17,719            | 17,425            | 294              |
| Electricians.....                                         | 212,964           | 212,945           | 19               | 280,317           | 280,279           | 38               |
| Electrotypers, stereotypers, and lithographers.....       | 13,716            | 13,530            | 186              | 16,602            | 16,448            | 244              |
| Engineers (stationary), crane men, etc.....               | 279,984           | 279,940           | 44               | 316,964           | 316,942           | 22               |
| Engineers (stationary).....                               | 242,066           | 242,064           | 22               | 256,078           | 256,060           | 18               |
| Cranemen, derrickmen, hoistmen, etc.....                  | 37,888            | 37,876            | 12               | 60,886            | 60,882            | 4                |
| Engravers.....                                            | 15,053            | 14,492            | 561              | 10,437            | 13,747            | 690              |
| Files, grinders, buffers, and polishers (metal).....      | 59,785            | 57,315            | 2,470            | 78,600            | 76,264            | 2,336            |
| Firemen (except locomotive and fire dept.).....           | 143,876           | 143,862           | 13               | 127,294           | 127,293           | 1                |
| Foreman and overseers (manufacturing) <sup>1</sup> .....  | 308,137           | 277,966           | 30,171           | 338,504           | 310,087           | 28,407           |
| Furnace men, smelter men, heaters, puddlers, etc.....     | 40,806            | 40,800            | 6                | 35,166            | 35,165            | 1                |
| Glass blowers.....                                        | 9,144             | 9,055             | 89               | 3,268             | 3,209             | 59               |
| Jewelers, watchmakers, goldsmiths, and silversmiths.....  | 39,692            | 37,614            | 1,678            | 38,662            | 37,408            | 1,254            |
| Loom fixers.....                                          | 15,961            | 15,958            | 3                | 19,215            | 19,180            | 35               |
| Machinists, millwrights, and toolmakers.....              | 894,662           | 894,654           | 8                | 761,096           | 761,075           | 20               |
| Machinists.....                                           | 801,901           | 801,896           | 5                | 640,289           | 640,285           | 4                |
| Millwrights.....                                          | 37,669            | 37,669            | -----            | 42,012            | 42,008            | 4                |
| Toolmakers and die setters and sinkers.....               | 55,062            | 55,089            | 3                | 78,794            | 78,784            | 10               |
| Managers and officials (manufacturing) <sup>1</sup> ..... | 249,960           | 241,619           | 8,331            | 312,756           | 302,334           | 10,422           |
| Manufacturers <sup>1</sup> .....                          | 183,665           | 178,750           | 4,945            | 207,901           | 202,190           | 5,711            |
| Mechanics (n. o. s.).....                                 | 281,741           | 281,690           | 51               | 638,253           | 638,190           | 63               |
| Air transportation.....                                   | -----             | -----             | -----            | 3,406             | 3,405             | 1                |
| Automobile factories, garages, repair shops.....          | -----             | -----             | -----            | 894,188           | 894,169           | 19               |
| Railroad and car shops.....                               | -----             | -----             | -----            | 21,847            | 21,847            | -----            |
| Other industries.....                                     | -----             | -----             | -----            | 218,812           | 218,799           | 43               |
| Millers (grain, flour, feed, etc.).....                   | 23,272            | 23,265            | 7                | 15,946            | 15,908            | 40               |
| Milliners and millinery dealers.....                      | 73,255            | 3,657             | 69,598           | 44,948            | 4,846             | 40,102           |
| Molders, founders, and casters (metal).....               | 123,681           | 123,668           | 13               | 105,158           | 105,139           | 19               |
| Others of machinery.....                                  | 24,612            | 24,568            | 44               | 31,210            | 31,169            | 41               |

<sup>1</sup> Many of the machinists' apprentices probably are machine tenders.

<sup>2</sup> Includes, for 1920, groups otherwise classified in 1930 as follows: Apprentices, steam railroad, telegraph and telephone, other transportation and communication; Apprentices, wholesale and retail trade; Apprentices to other professional persons. "Architects", designers, and draftsmen's apprentices, classified in "Manufacturing and mechanical industries" in 1920, was transferred to "Professional service" in 1930.

<sup>3</sup> Persons employed on turpentine farms classified in "Agriculture, forestry, etc.," in 1920, were transferred to "Manufacturing and Mechanical Industries" in 1930.

<sup>4</sup> Not otherwise specified.

<sup>5</sup> Comparable figures for 1920 not available.

## No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

| Occupation                                                 | 1920             |                  |                  | 1930     |          |          |
|------------------------------------------------------------|------------------|------------------|------------------|----------|----------|----------|
|                                                            | Total            | Male             | Female           | Total    | Male     | Female   |
| Manufacturing, etc.—Continued.                             |                  |                  |                  |          |          |          |
| Painters, glaziers, varnishers, etc.                       | 323, 032         | 319, 697         | 3, 335           | 528, 931 | 524, 150 | 4, 781   |
| Enamellers, lacquerers, and japanners                      | 4, 137           | 3, 168           | 969              | 6, 768   | 4, 622   | 1, 136   |
| Painters, glaziers, and varnishers:                        |                  |                  |                  |          |          |          |
| Building                                                   | 248, 497         | 248, 394         | 103              | 430, 105 | 429, 982 | 123      |
| Factory                                                    | 70, 398          | 68, 135          | 2, 263           | 93, 008  | 89, 546  | 3, 522   |
| Paper hangers                                              | 18, 746          | 18, 338          | 408              | 28, 328  | 26, 872  | 1, 456   |
| Pattern and model makers                                   | 27, 720          | 27, 663          | 57               | 29, 750  | 29, 711  | 39       |
| Piano and organ tuners                                     | 7, 047           | 7, 007           | 40               | 6, 823   | 6, 799   | 24       |
| Plasterers and cement finishers                            | 45, 876          | 45, 870          | 6                | 85, 480  | 85, 477  | 3        |
| Plumbers and gas and steam fitters                         | 206, 718         | 206, 715         | 3                | 237, 814 | 237, 813 | 1        |
| Pressmen and plate printers (printing)                     | 18, 683          | 18, 683          | —                | 31, 215  | 31, 215  | —        |
| Rollers and roll hands (metal)                             | 25, 061          | 25, 061          | —                | 30, 765  | 30, 765  | —        |
| Roofers and slaters                                        | 11, 378          | 11, 378          | —                | 23, 030  | 23, 030  | —        |
| Sawyers                                                    | 33, 809          | 33, 800          | 9                | 36, 064  | 35, 984  | 80       |
| Shoemakers and cobblers (not in factory)                   | 78, 869          | 78, 599          | 260              | 76, 388  | 76, 127  | 261      |
| Skilled occupations (not elsewhere classified)             | 12, 348          | 12, 319          | 29               | 12, 258  | 12, 227  | 31       |
| Stonecutters                                               | 22, 099          | 22, 096          | 3                | 22, 888  | 22, 887  | 1        |
| Structural iron workers (building)                         | 18, 838          | 18, 836          | —                | 28, 966  | 28, 966  | —        |
| Tailors and tailresses                                     | 192, 232         | 190, 404         | 31, 828          | 169, 283 | 147, 476 | 21, 807  |
| Tinsmiths and coppermiths                                  | 74, 968          | 74, 957          | 11               | 83, 427  | 83, 421  | 6        |
| Upholsterers                                               | 29, 605          | 27, 338          | 2, 267           | 61, 452  | 49, 097  | 2, 355   |
| Operatives (n. o. s.):                                     |                  |                  |                  |          |          |          |
| Building industry                                          | 7, 003           | 6, 983           | 20               | 18, 442  | 18, 419  | 23       |
| Chemical and allied industries                             | * 70, 418        | * 51, 287        | * 19, 129        | 117, 467 | 88, 604  | 28, 863  |
| Charcoal and coke works                                    | 1, 722           | 1, 692           | 30               | 1, 587   | 1, 572   | 15       |
| Explosives, ammunition, and fireworks factories            | 7, 379           | 4, 811           | 2, 568           | 5, 904   | 3, 322   | 2, 582   |
| Fertilizer factories                                       | 1, 407           | 1, 352           | 55               | 1, 538   | 1, 484   | 54       |
| Gas works                                                  | 9, 462           | 9, 234           | 168              | 13, 896  | 13, 873  | 23       |
| Paint and varnish factories                                | 5, 521           | 4, 086           | 835              | 8, 287   | 7, 290   | 1, 031   |
| Petroleum refineries                                       | 8, 891           | 8, 229           | 662              | 25, 274  | 24, 781  | 493      |
| Rayon factories                                            | ( <sup>9</sup> ) | ( <sup>9</sup> ) | ( <sup>9</sup> ) | 20, 940  | 10, 087  | 10, 853  |
| Soap factories                                             | 6, 288           | 3, 239           | 3, 049           | 5, 289   | 3, 405   | 1, 884   |
| Other chemical factories                                   | 29, 740          | 17, 964          | 11, 762          | 34, 742  | 22, 814  | 11, 928  |
| Cigar and tobacco factories                                | 145, 222         | 61, 262          | 83, 960          | 103, 715 | 35, 767  | 67, 948  |
| Clay, glass, and stone industries                          | 85, 434          | 72, 269          | 13, 165          | 96, 342  | 80, 630  | 15, 712  |
| Brick, tile, and terra cotta factories                     | 9, 987           | 9, 357           | 630              | 12, 884  | 11, 535  | 1, 349   |
| Glass factories                                            | 44, 831          | 37, 636          | 7, 195           | 40, 853  | 33, 554  | 7, 299   |
| Lime, cement, and artificial stone factories               | 7, 633           | 7, 426           | 207              | 11, 295  | 11, 069  | 326      |
| Marble and stone yards                                     | 5, 546           | 5, 478           | 68               | 7, 963   | 7, 963   | —        |
| Potteries                                                  | 17, 437          | 12, 372          | 5, 065           | 23, 247  | 16, 519  | 6, 728   |
| Clothing industries                                        | 409, 361         | 143, 718         | 265, 643         | 488, 909 | 142, 158 | 346, 751 |
| Corset factories                                           | 12, 642          | 1, 115           | 11, 527          | 10, 921  | 852      | 10, 069  |
| Glove factories                                            | 23, 357          | 6, 584           | 16, 773          | 18, 465  | 4, 955   | 13, 510  |
| Hat factories (felt)                                       | 21, 178          | 14, 716          | 6, 462           | 26, 454  | 17, 981  | 8, 473   |
| Shirt, collar, and cuff factories                          | 52, 377          | 10, 361          | 42, 016          | 55, 471  | 9, 706   | 45, 763  |
| Suit, coat, and overall factories                          | 143, 872         | 79, 357          | 64, 515          | 108, 773 | 50, 190  | 58, 583  |
| Other clothing factories                                   | 165, 935         | 31, 585          | 124, 350         | 270, 825 | 58, 472  | 212, 353 |
| Food and allied industries                                 | 204, 550         | 131, 453         | 73, 097          | 224, 416 | 135, 830 | 88, 586  |
| Bakeries                                                   | 20, 441          | 8, 858           | 11, 583          | 27, 901  | 12, 602  | 15, 299  |
| Butter, cheese, condensed milk factories                   | 18, 841          | 16, 096          | 2, 745           | 25, 707  | 21, 331  | 4, 376   |
| Candy factories                                            | 52, 281          | 20, 913          | 31, 368          | 44, 470  | 17, 404  | 27, 066  |
| Fish curing and packing                                    | 7, 538           | 4, 363           | 3, 223           | 6, 796   | 3, 699   | 3, 097   |
| Flour and grain mills                                      | 8, 112           | 7, 524           | 588              | 8, 872   | 6, 320   | 552      |
| Fruit and vegetable canning, etc.                          | 10, 204          | 3, 858           | 6, 306           | 18, 748  | 5, 196   | 13, 552  |
| Slaughter and packing houses                               | 49, 991          | 41, 006          | 8, 085           | 53, 089  | 43, 052  | 10, 007  |
| Sugar factories and refineries                             | 3, 808           | 3, 144           | 662              | 3, 778   | 3, 070   | 708      |
| Other food factories                                       | 17, 633          | 9, 791           | 7, 842           | 25, 898  | 12, 743  | 13, 155  |
| Liquor and beverage industries                             | 15, 655          | 14, 960          | 695              | 11, 187  | 10, 413  | 774      |
| Iron and steel, machinery, and vehicle industries          | 639, 980         | 632, 161         | 57, 819          | 651, 398 | 590, 635 | 60, 763  |
| Agricultural implement factories                           | 7, 722           | 7, 136           | 586              | 8, 782   | 8, 281   | 501      |
| Automobile factories                                       | 121, 164         | 108, 376         | 12, 788          | 161, 957 | 142, 925 | 19, 032  |
| Automobile repair shops                                    | ( <sup>9</sup> ) | ( <sup>9</sup> ) | ( <sup>9</sup> ) | 9, 452   | 9, 407   | 45       |
| Blast furnaces and steel rolling mills <sup>10</sup>       | 93, 627          | 89, 526          | 4, 101           | 106, 664 | 103, 575 | 3, 089   |
| Car and railroad shops                                     | 97, 979          | 97, 003          | 976              | 65, 008  | 64, 573  | 435      |
| Ship and boat building                                     | 97, 666          | 97, 176          | 491              | 19, 969  | 19, 904  | 65       |
| Wagon and carriage factories                               | 9, 430           | 8, 749           | 681              | 2, 766   | 2, 517   | 249      |
| Other iron and steel and machinery factories <sup>11</sup> | * 245, 450       | * 209, 112       | * 36, 338        | 248, 911 | 213, 952 | 34, 959  |
| Not specified metal industries                             | 16, 942          | 15, 084          | 1, 858           | 27, 889  | 26, 501  | 2, 388   |

<sup>6</sup> Not otherwise specified.<sup>8</sup> The few operatives and laborers in rayon factories in 1920 were classified with operatives and laborers, respectively, in "Not specified textile mills."<sup>9</sup> Automobile repair shops included in "other iron and steel factories."<sup>10</sup> Includes tin-plate mills.<sup>11</sup> Includes iron foundries.



## No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

| Occupation                                                       | 1920    |         |         | 1930      |           |         |
|------------------------------------------------------------------|---------|---------|---------|-----------|-----------|---------|
|                                                                  | Total   | Male    | Female  | Total     | Male      | Female  |
| Manufacturing, etc.—Continued.                                   |         |         |         |           |           |         |
| Operatives (n. o. s.)—Continued.                                 |         |         |         |           |           |         |
| Metal industries (except iron and steel).....                    | 91,291  | 60,844  | 30,447  | 91,852    | 61,049    | 30,803  |
| Brass mills.....                                                 | 17,482  | 13,578  | 3,906   | 14,834    | 11,602    | 3,232   |
| Clock and watch factories.....                                   | 18,244  | 10,043  | 8,201   | 15,036    | 8,492     | 6,544   |
| Copper factories.....                                            | 2,986   | 2,834   | 152     | 2,950     | 2,824     | 126     |
| Gold and silver factories.....                                   | 5,239   | 4,432   | 1,807   | 5,902     | 3,877     | 2,025   |
| Jewelry factories.....                                           | 15,083  | 8,946   | 6,137   | 13,979    | 7,766     | 6,213   |
| Lead and zinc factories.....                                     | 2,404   | 2,188   | 278     | 2,012     | 1,840     | 174     |
| Tinware, enamelware, etc., factories.....                        | 19,356  | 12,157  | 7,199   | 23,290    | 15,250    | 8,040   |
| Other metal factories.....                                       | 9,437   | 6,860   | 2,777   | 13,847    | 9,394     | 4,453   |
| Leather industries.....                                          | 279,231 | 166,437 | 82,794  | 267,518   | 175,768   | 91,750  |
| Harness and saddle factories.....                                | 18,135  | 17,573  | 562     | 7,164     | 6,890     | 274     |
| Leather belt, leather goods, etc., factories <sup>11</sup> ..... | 17,189  | 12,809  | 4,380   | 16,533    | 11,080    | 5,453   |
| Shoe factories.....                                              | 206,225 | 132,813 | 73,412  | 206,928   | 128,377   | 81,551  |
| Tanneries.....                                                   | 32,228  | 28,598  | 3,628   | 28,963    | 26,305    | 3,598   |
| Trunk, suitcase, and bag factories <sup>12</sup> .....           | 5,468   | 4,644   | 812     | 4,900     | 4,023     | 874     |
| Lumber and furniture industries.....                             | 168,719 | 150,079 | 18,640  | 177,457   | 157,861   | 19,596  |
| Furniture factories.....                                         | 55,717  | 48,908  | 6,811   | 75,235    | 66,131    | 9,104   |
| Piano and organ factories.....                                   | 10,852  | 16,949  | 2,903   | 8,177     | 7,535     | 642     |
| Saw and planing mills <sup>13</sup> .....                        | 57,320  | 54,018  | 3,304   | 58,966    | 56,389    | 2,597   |
| Other woodworking factories.....                                 | 35,830  | 30,208  | 5,622   | 35,059    | 27,806    | 7,253   |
| Paper, printing, and allied industries.....                      | 155,524 | 87,679  | 67,845  | 155,911   | 102,421   | 63,490  |
| Blank book, envelope, tag, paper bag, etc., factories.....       | 13,694  | 5,117   | 8,577   | 17,127    | 6,488     | 10,639  |
| Paper and pulp mills.....                                        | 54,559  | 41,821  | 13,348  | 63,629    | 49,709    | 13,920  |
| Paper box factories.....                                         | 20,452  | 7,077   | 13,375  | 14,284    | 5,767     | 8,517   |
| Printing, publishing, and engraving.....                         | 66,709  | 34,164  | 32,545  | 70,871    | 40,457    | 30,414  |
| Textile industries—                                              |         |         |         |           |           |         |
| Cotton mills.....                                                | 302,454 | 153,260 | 149,185 | 302,501   | 156,818   | 145,683 |
| Knitting mills.....                                              | 107,604 | 26,922  | 80,682  | 134,006   | 44,203    | 89,803  |
| Silk mills.....                                                  | 115,721 | 42,953  | 72,768  | 126,770   | 52,080    | 73,690  |
| Textile dyeing, finishing, and printing mills.....               | 17,736  | 12,154  | 5,582   | 19,613    | 13,947    | 5,666   |
| Woolen and worsted mills.....                                    | 120,418 | 64,703  | 61,715  | 101,821   | 52,761    | 49,060  |
| Other textile mills.....                                         | 122,464 | 54,039  | 68,431  | 133,660   | 65,312    | 68,348  |
| Carpet mills.....                                                | 25,357  | 13,033  | 10,334  | 28,009    | 16,486    | 12,123  |
| Hemp, jute, and linen mills.....                                 | 6,742   | 2,811   | 3,931   | 4,503     | 2,074     | 2,429   |
| Lace and embroidery mills.....                                   | 16,083  | 6,080   | 12,997  | 11,417    | 4,221     | 7,196   |
| Rope and cordage factories.....                                  | 8,454   | 4,714   | 3,740   | 5,469     | 3,067     | 2,402   |
| Sail, awning, and tent factories.....                            | 3,542   | 2,338   | 1,005   | 4,278     | 2,560     | 1,709   |
| Other and not specified textile mills.....                       | 141,255 | 24,381  | 143,374 | 79,387    | 36,898    | 42,489  |
| Miscellaneous manufacturing industries.....                      | 536,332 | 344,568 | 192,264 | 536,103   | 353,744   | 182,354 |
| Broom and brush factories.....                                   | 12,606  | 10,219  | 2,387   | 9,521     | 7,622     | 1,899   |
| Button factories.....                                            | 12,977  | 7,768   | 5,209   | 7,565     | 4,466     | 3,099   |
| Electric light and power plants.....                             | 15,949  | 15,610  | 339     | 49,289    | 49,218    | 51      |
| Electrical machinery and supply factories.....                   | 64,841  | 37,452  | 27,389  | 117,327   | 72,012    | 45,315  |
| Rubber factories.....                                            | 86,204  | 67,370  | 18,834  | 80,335    | 59,546    | 21,289  |
| Straw factories.....                                             | 14,102  | 7,751   | 6,351   | 1,818     | 584       | 1,234   |
| Turpentine farms and distilleries.....                           | 1,138   | 1,130   | 8       | 1,368     | 1,360     | 8       |
| Other and not specified manufacturing.....                       | 163,015 | 197,268 | 131,747 | 268,405   | 158,906   | 109,499 |
| Not specified industries and services.....                       | 329,015 | 197,268 | 131,747 | 153,152   | 123,252   | 29,900  |
| Laborers (n. o. s.):                                             |         |         |         |           |           |         |
| Building, general, and not specified laborers.....               | 686,722 | 671,487 | 15,235  | 1,115,667 | 1,104,132 | 11,535  |
| Laborers and helpers, building construction.....                 | (7)     | (7)     | (7)     | 419,802   | 419,675   | 127     |
| General and not specified laborers.....                          | (7)     | (7)     | (7)     | 695,855   | 684,457   | 11,408  |
| Chemical and allied industries.....                              | 151,313 | 130,669 | 3,614   | 151,918   | 143,507   | 3,411   |
| Charcoal and coke works.....                                     | 9,384   | 9,352   | 32      | 4,733     | 4,772     | 11      |
| Explosives, ammunition, and fire-works factories.....            | 8,467   | 7,821   | 646     | 5,047     | 4,447     | 600     |
| Fertilizer factories.....                                        | 12,943  | 12,808  | 135     | 18,243    | 18,157    | 86      |
| Gas works.....                                                   | 18,845  | 18,787  | 58      | 28,897    | 28,884    | 13      |
| Paint and varnish factories.....                                 | 4,841   | 4,677   | 164     | 6,171     | 6,017     | 154     |
| Petroleum refineries.....                                        | 31,795  | 31,566  | 229     | 40,816    | 40,645    | 171     |
| Rayon factories.....                                             | (10)    | (10)    | (10)    | 4,962     | 4,451     | 511     |
| Sole factories.....                                              | 4,715   | 4,346   | 369     | 4,799     | 4,566     | 233     |
| Other chemical factories.....                                    | 43,323  | 41,342  | 1,981   | 38,207    | 36,568    | 1,632   |

<sup>10</sup> Not otherwise specified.<sup>11</sup> Comparable figures for 1920 not available.<sup>12</sup> Operatives and laborers in leather bag factories, included in the group, "Leather belt, leather case, etc., factories" in 1920, were transferred to the group, "Trunk, suit case, and bag factories" in 1930.<sup>13</sup> Includes box factories (wood).<sup>14</sup> See note 8, p. 57 and note 15 below.<sup>15</sup> Some operatives and laborers included in "Other and not specified manufacturing" in 1920 were classified in "Other and not specified textile mills" in 1930. "Helpers in motion-picture production" included in "Operatives, other miscellaneous manufacturing and mechanical industries" in 1920, were classified in "Professional service" in 1930.<sup>16</sup> See note 8, p. 57.

## No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

| Occupation                                                       | 1920       |            |          | 1930     |          |         |
|------------------------------------------------------------------|------------|------------|----------|----------|----------|---------|
|                                                                  | Total      | Male       | Female   | Total    | Male     | Female  |
| <b>Manufacturing, etc.—Continued.</b>                            |            |            |          |          |          |         |
| Laborers (n. o. s.) <sup>6</sup> —Continued.                     |            |            |          |          |          |         |
| Cigar and tobacco factories.....                                 | 35, 157    | 21, 295    | 13, 862  | 20, 581  | 14, 094  | 6, 487  |
| Clay, glass, and stone industries.....                           | 124, 544   | 120, 215   | 4, 329   | 145, 665 | 142, 095 | 3, 570  |
| Brick, tile, and terra-cotta factories.....                      | 48, 638    | 48, 099    | 537      | 59, 543  | 58, 792  | 751     |
| Glass factories.....                                             | 28, 937    | 26, 461    | 2, 476   | 28, 108  | 26, 362  | 1, 746  |
| Lime, cement, and artificial-stone factories.....                | 30, 051    | 29, 884    | 167      | 38, 634  | 38, 475  | 159     |
| Marble and stone yards.....                                      | 5, 084     | 5, 061     | 23       | 8, 102   | 8, 097   | 5       |
| Potteries.....                                                   | 11, 836    | 10, 710    | 1, 126   | 11, 278  | 10, 369  | 909     |
| Clothing industries.....                                         | 12, 778    | 6, 414     | 6, 362   | 15, 293  | 8, 558   | 6, 735  |
| Corset factories.....                                            | 771        | 194        | 577      | 350      | 133      | 217     |
| Glove factories.....                                             | 1, 757     | 899        | 858      | 1, 159   | 550      | 609     |
| Hat factories (felt).....                                        | 989        | 825        | 164      | 1, 142   | 966      | 176     |
| Shirt, collar, and cuff factories.....                           | 2, 708     | 1, 317     | 1, 391   | 4, 136   | 2, 314   | 1, 822  |
| Suit, coat, and overall factories.....                           | 3, 984     | 2, 219     | 1, 765   | 3, 794   | 2, 456   | 1, 338  |
| Other clothing factories.....                                    | 2, 567     | 960        | 1, 607   | 4, 712   | 2, 139   | 2, 573  |
| Food and allied industries.....                                  | 170, 065   | 153, 892   | 16, 373  | 154, 886 | 136, 802 | 18, 084 |
| Bakeries.....                                                    | 8, 315     | 6, 869     | 1, 446   | 12, 362  | 10, 786  | 1, 576  |
| Butter, cheese, and condensed-milk factories.....                | 15, 190    | 14, 174    | 1, 016   | 17, 433  | 16, 518  | 915     |
| Candy factories.....                                             | 6, 684     | 4, 398     | 2, 186   | 5, 552   | 4, 080   | 1, 472  |
| Fish curing and packing.....                                     | 6, 300     | 5, 261     | 1, 039   | 6, 172   | 4, 596   | 1, 576  |
| Flour and grain mills.....                                       | 18, 121    | 17, 983    | 138      | 16, 997  | 15, 839  | 1, 158  |
| Fruit and vegetable canning, etc.....                            | 13, 058    | 9, 743     | 3, 315   | 19, 544  | 14, 987  | 4, 557  |
| Slaughter and packing houses.....                                | 59, 548    | 55, 436    | 4, 112   | 43, 045  | 39, 384  | 3, 661  |
| Sugar factories and refineries.....                              | 15, 733    | 15, 414    | 319      | 9, 298   | 9, 038   | 260     |
| Other food factories.....                                        | 16, 686    | 14, 119    | 2, 567   | 16, 968  | 13, 281  | 3, 687  |
| Liquor and beverage industries.....                              | 10, 630    | 10, 295    | 235      | 8, 515   | 8, 293   | 222     |
| Iron and steel, machinery, and vehicle industries.....           | 729, 613   | 717, 022   | 12, 591  | 662, 131 | 652, 027 | 10, 104 |
| Agricultural-implement factories.....                            | 11, 409    | 11, 292    | 117      | 10, 873  | 10, 735  | 138     |
| Automobile factories.....                                        | 83, 841    | 80, 874    | 2, 967   | 123, 717 | 120, 150 | 3, 567  |
| Automobile repair shops.....                                     | (9)        | (9)        | (9)      | 12, 653  | 12, 617  | 36      |
| Blast furnaces and steel rolling mills <sup>10</sup> .....       | 258, 330   | 256, 548   | 2, 282   | 235, 726 | 234, 524 | 1, 202  |
| Car and railroad shops.....                                      | 53, 643    | 53, 280    | 363      | 37, 789  | 37, 542  | 247     |
| Ship and boat building.....                                      | 69, 196    | 68, 917    | 279      | 17, 852  | 17, 825  | 27      |
| Wagon and carriage factories.....                                | 9, 817     | 9, 594     | 223      | 1, 419   | 1, 406   | 13      |
| Other iron and steel and machinery factories <sup>11</sup> ..... | 9 179, 607 | 9 173, 734 | 9 5, 873 | 171, 814 | 167, 534 | 4, 280  |
| Not specified metal industries.....                              | 63, 770    | 62, 783    | 987      | 50, 788  | 50, 194  | 594     |
| Metal industries (except iron and steel).....                    | 67, 887    | 62, 771    | 5, 116   | 62, 398  | 58, 913  | 3, 485  |
| Brass mills.....                                                 | 18, 485    | 17, 614    | 871      | 14, 809  | 14, 411  | 398     |
| Clock and watch factories.....                                   | 3, 108     | 1, 929     | 1, 179   | 1, 546   | 1, 018   | 528     |
| Copper factories.....                                            | 10, 963    | 10, 908    | 55       | 8, 013   | 7, 950   | 63      |
| Gold and silver factories.....                                   | 2, 272     | 2, 061     | 211      | 1, 199   | 1, 098   | 101     |
| Jewelry factories.....                                           | 1, 421     | 1, 255     | 166      | 397      | 328      | 69      |
| Lead and zinc factories.....                                     | 8, 927     | 8, 859     | 68       | 8, 116   | 8, 093   | 23      |
| Tinware, enamelware, etc., factories.....                        | 17, 605    | 15, 436    | 2, 169   | 20, 181  | 18, 313  | 1, 868  |
| Other metal factories.....                                       | 5, 106     | 4, 709     | 397      | 8, 137   | 7, 702   | 435     |
| Leather industries.....                                          | 54, 639    | 48, 167    | 6, 472   | 38, 901  | 33, 003  | 5, 898  |
| Harness and saddle factories.....                                | 1, 836     | 1, 727     | 108      | 501      | 469      | 32      |
| Leather-belt, leather-goods, etc., factories <sup>12</sup> ..... | 3, 578     | 3, 274     | 304      | 1, 930   | 1, 701   | 229     |
| Shoe factories.....                                              | 19, 210    | 14, 194    | 5, 016   | 18, 389  | 13, 647  | 4, 742  |
| Tanneries.....                                                   | 27, 480    | 26, 703    | 777      | 10, 809  | 10, 296  | 513     |
| Trunk, suitcase, and bag factories <sup>13</sup> .....           | 2, 486     | 2, 269     | 217      | 972      | 890      | 82      |
| Lumber and furniture industries.....                             | 320, 613   | 309, 874   | 10, 739  | 333, 539 | 326, 071 | 7, 468  |
| Furniture factories.....                                         | 35, 272    | 32, 600    | 2, 672   | 39, 802  | 38, 321  | 1, 481  |
| Piano and organ factories.....                                   | 5, 321     | 4, 596     | 725      | 1, 664   | 1, 566   | 98      |
| Saw and planing mills <sup>14</sup> .....                        | 245, 083   | 241, 334   | 4, 349   | 251, 741 | 248, 803 | 2, 938  |
| Other woodworking factories.....                                 | 34, 337    | 31, 344    | 2, 993   | 40, 332  | 37, 381  | 2, 951  |
| Paper, printing, and allied industries.....                      | 67, 083    | 61, 073    | 6, 010   | 69, 373  | 64, 175  | 5, 198  |
| Blank-book, envelope, tag, paper-bag, etc., factories.....       | 3, 455     | 2, 646     | 809      | 3, 926   | 3, 072   | 854     |
| Paper and pulp mills.....                                        | 52, 263    | 49, 786    | 2, 477   | 52, 038  | 49, 677  | 2, 361  |
| Paper-box factories.....                                         | 3, 384     | 2, 401     | 983      | 2, 587   | 1, 966   | 601     |
| Printing, publishing, and engraving.....                         | 7, 981     | 6, 240     | 1, 741   | 10, 522  | 9, 440   | 1, 382  |
| <b>Textile industries—</b>                                       |            |            |          |          |          |         |
| Cotton mills.....                                                | 76, 315    | 59, 646    | 16, 669  | 55, 519  | 46, 439  | 9, 080  |
| Knitting mills.....                                              | 11, 948    | 6, 603     | 5, 340   | 9, 412   | 5, 884   | 3, 528  |
| Silk mills.....                                                  | 10, 080    | 7, 350     | 2, 730   | 11, 078  | 8, 920   | 2, 158  |
| Textile dyeing, finishing, and printing mills.....               | 10, 605    | 9, 885     | 720      | 7, 571   | 7, 257   | 314     |
| Woolen and worsted mills.....                                    | 22, 227    | 18, 238    | 3, 989   | 13, 753  | 11, 955  | 1, 798  |

<sup>6</sup> Not otherwise specified.<sup>9</sup> Automobile repair shops included in "Other iron and steel factories".<sup>10</sup> Includes tin-plate mills.<sup>13</sup> Includes box factories (wood).<sup>11</sup> Includes iron foundries.<sup>12</sup> See note 12, p. 58.

## No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

| Occupation                                                               | 1920              |                   |                   | 1930        |             |          |
|--------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------|-------------|----------|
|                                                                          | Total             | Male              | Female            | Total       | Male        | Female   |
| Manufacturing, etc.—Continued.                                           |                   |                   |                   |             |             |          |
| Laborers (n. o. s.)—Continued.                                           |                   |                   |                   |             |             |          |
| Textile industries—Continued.                                            |                   |                   |                   |             |             |          |
| Other textile mills.....                                                 | 14 22, 140        | 14 18, 619        | 14 3, 521         | 23, 199     | 20, 320     | 2, 879   |
| Carpet mills.....                                                        | 3, 953            | 3, 378            | 575               | 4, 828      | 4, 286      | 592      |
| Hemp, jute, and linen mills.....                                         | 1, 712            | 1, 474            | 238               | 961         | 863         | 98       |
| Lace and embroidery mills.....                                           | 944               | 677               | 267               | 569         | 444         | 125      |
| Rope and cordage factories.....                                          | 4, 268            | 3, 805            | 463               | 2, 921      | 2, 632      | 289      |
| Sail, awning, and tent factories.....                                    | 283               | 237               | 46                | 721         | 661         | 60       |
| Other and not specified textile mills.....                               | 14 10, 980        | 14 9, 048         | 14 1, 932         | 13, 199     | 11, 494     | 1, 715   |
| Miscellaneous mfg. industries <sup>18</sup> .....                        | 19 399, 988       | 19 364, 244       | 19 35, 744        | 322, 666    | 298, 600    | 24, 087  |
| Broom and brush factories.....                                           | 2, 800            | 2, 407            | 393               | 2, 587      | 2, 370      | 217      |
| Button factories.....                                                    | 1, 407            | 1, 093            | 314               | 1, 129      | 940         | 189      |
| Electric light and power plants.....                                     | 16, 417           | 15, 255           | 162               | 35, 655     | 35, 650     | 15       |
| Electrical machinery and supply factories.....                           | 23, 789           | 23, 562           | 3, 227            | 36, 885     | 33, 345     | 3, 540   |
| Rubber factories.....                                                    | 61, 467           | 47, 515           | 3, 952            | 29, 123     | 25, 080     | 3, 143   |
| Straw factories.....                                                     | 577               | 513               | 64                | 148         | 138         | 12       |
| Turpentine farms and distilleries <sup>18</sup> .....                    | 25, 830           | 25, 395           | 435               | 37, 620     | 37, 313     | 307      |
| Other and not specified mfg. industries.....                             | 19 275, 701       | 19 248, 604       | 19 27, 197        | 170, 539    | 162, 875    | 16, 664  |
| Transportation and communication.....                                    | 3, 066, 829       | 2, 872, 559       | 224, 270          | 3, 843, 147 | 3, 561, 943 | 281, 204 |
| Water transportation: <sup>19</sup>                                      |                   |                   |                   |             |             |          |
| Boatmen, canal men, and lock keepers.....                                | 6, 319            | 6, 286            | 33                | 5, 643      | 5, 603      | 40       |
| Captains, masters, mates, and pilots.....                                | 26, 320           | 26, 318           | 2                 | 24, 455     | 24, 432     | 3        |
| Longshoremen and stevedores.....                                         | 85, 928           | 85, 005           | 323               | 73, 954     | 73, 944     | 10       |
| Sailors and deck hands.....                                              | 54, 832           | 54, 800           | 32                | 64, 700     | 64, 692     | 8        |
| Road and street transportation: <sup>20</sup>                            |                   |                   |                   |             |             |          |
| Bus conductors.....                                                      | ( <sup>21</sup> ) | ( <sup>21</sup> ) | ( <sup>21</sup> ) | 1, 002      | 1, 002      | -----    |
| Chaufeurs and truck and tractor drivers <sup>22</sup> .....              | 285, 045          | 284, 096          | 949               | 972, 418    | 970, 916    | 1, 502   |
| Draymen, teamsters, and carriage drivers <sup>22</sup> .....             | 420, 189          | 419, 450          | 739               | 111, 224    | 111, 178    | 46       |
| Garage owners, managers, and officials.....                              | 42, 151           | 41, 944           | 207               | 60, 955     | 60, 543     | 422      |
| Garage laborers.....                                                     | 31, 450           | 31, 339           | 111               | 66, 693     | 66, 536     | 157      |
| Hostlers and stable hands.....                                           | 18, 976           | 18, 973           | 3                 | 6, 654      | 6, 654      | -----    |
| Laborers, truck, transfer, and cab companies.....                        | ( <sup>24</sup> ) | ( <sup>24</sup> ) | ( <sup>24</sup> ) | 40, 970     | 40, 920     | 50       |
| Laborers, road, street, etc., building and repairing.....                | 115, 836          | 115, 673          | 163               | 290, 354    | 290, 308    | 46       |
| Laborers, street cleaning.....                                           | 11, 196           | 11, 192           | 4                 | 15, 673     | 15, 672     | 1        |
| Owners, managers, and officials, truck, transfer, and cab companies..... | 23, 497           | 23, 231           | 266               | 41, 084     | 40, 508     | 576      |
| Railroad transportation: <sup>23</sup>                                   |                   |                   |                   |             |             |          |
| Baggage men and freight agents.....                                      | 16, 819           | 16, 789           | 30                | 16, 377     | 16, 361     | 16       |
| Boiler washers and engine hostlers.....                                  | 25, 305           | 25, 271           | 34                | 18, 300     | 18, 300     | -----    |
| Brakemen, steam railroad.....                                            | 114, 107          | 114, 107          | -----             | 88, 197     | 88, 197     | -----    |
| Conductors, steam railroad.....                                          | 74, 539           | 74, 539           | -----             | 73, 332     | 73, 332     | -----    |
| Conductors, street railroad.....                                         | 68, 790           | 68, 507           | 283               | 35, 697     | 35, 680     | 17       |
| Foremen and overseers.....                                               | 79, 204           | 79, 216           | 78                | 79, 737     | 79, 682     | 55       |
| Steam railroad.....                                                      | 73, 046           | 72, 980           | 66                | 73, 910     | 73, 860     | 50       |
| Street railroad.....                                                     | 6, 248            | 6, 285            | 12                | 6, 827      | 5, 822      | 5        |
| Laborers (includes construction laborers). Steam railroad.....           | 496, 713          | 488, 659          | 7, 054            | 462, 474    | 459, 090    | 3, 384   |
| Street railroad.....                                                     | 470, 199          | 463, 613          | 6, 586            | 435, 058    | 431, 947    | 3, 111   |
| Locomotive engineers <sup>24</sup> .....                                 | 25, 614           | 25, 043           | 498               | 27, 416     | 27, 143     | 273      |
| Locomotive firemen <sup>24</sup> .....                                   | 109, 899          | 109, 899          | -----             | 101, 201    | 101, 201    | -----    |
| Motor men.....                                                           | 91, 846           | 91, 345           | -----             | 67, 096     | 67, 096     | -----    |
| Steam railroad.....                                                      | 66, 519           | 66, 499           | 20                | 60, 723     | 60, 718     | 5        |
| Street railroad.....                                                     | 3, 550            | 3, 560            | -----             | 2, 754      | 2, 754      | -----    |
| Officials and superintendents.....                                       | 62, 959           | 62, 939           | 20                | 57, 909     | 57, 904     | 5        |
| Steam railroad.....                                                      | 36, 881           | 36, 830           | 51                | 37, 889     | 37, 963     | 26       |
| Street railroad.....                                                     | 32, 426           | 32, 385           | 41                | 34, 380     | 34, 359     | 21       |
| Switchmen, flagmen, and yardmen.....                                     | 3, 455            | 3, 445            | 10                | 3, 609      | 3, 604      | 5        |
| Switchmen and flagmen, steam railroad.....                               | 111, 565          | 111, 030          | 535               | 102, 773    | 102, 484    | 289      |
| Switchmen and flagmen, street railroad.....                              | 101, 917          | 101, 859          | 558               | 92, 217     | 91, 828     | 289      |
| Yardmen, steam railroad.....                                             | 2, 500            | 2, 496            | 4                 | 2, 608      | 2, 608      | -----    |
| Ticket and station agents.....                                           | 7, 148            | 7, 145            | 3                 | 7, 948      | 7, 948      | -----    |
|                                                                          | 26, 685           | 24, 824           | 2, 251            | 27, 160     | 25, 370     | 1, 790   |

<sup>18</sup> Not otherwise specified.<sup>19</sup> See note 8, p. 57 and note 15, p. 58.<sup>20</sup> See note 5, p. 56.<sup>21</sup> See note 15, p. 58.<sup>22</sup> Selected occupations.<sup>23</sup> Not classified separately in 1920.<sup>24</sup> In 1920 nor in 1930 was the attempt to distinguish chauffeurs and motor truck drivers from draymen, teamsters, and carriage drivers very successful.<sup>25</sup> Teamsters in agriculture, forestry, and the extraction of minerals are classified with the other workers in those industries, respectively; drivers for bakeries and stores are classified as deliverymen in trade, and drivers for laundries are classified as deliverymen in domestic and personal service.<sup>26</sup> Included with "Draymen, teamsters, and expressmen" in 1920.<sup>27</sup> Because of indefinite returns by census enumerators, it is probable that some stationary engineers were included with locomotive engineers, and some firemen of stationary boilers with locomotive firemen.

## No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

| Occupation                                                                               | 1920               |                    |                   | 1930               |                    |                 |
|------------------------------------------------------------------------------------------|--------------------|--------------------|-------------------|--------------------|--------------------|-----------------|
|                                                                                          | Total              | Male               | Female            | Total              | Male               | Female          |
| <b>Transportation, etc.—Continued.</b>                                                   |                    |                    |                   |                    |                    |                 |
| Express, post, radio, telegraph, and telephone <sup>20</sup>                             |                    |                    |                   |                    |                    |                 |
| Agents, express companies.....                                                           | 5, 293             | 5, 193             | 100               | 4, 176             | 4, 102             | 74              |
| Express messengers and railway mail clerks.....                                          | 25, 005            | 24, 996            | 9                 | 25, 608            | 25, 600            | 8               |
| Express messengers.....                                                                  | 9, 133             | 9, 129             | 9                 | 8, 211             | 8, 207             | 4               |
| Railway mail clerks.....                                                                 | 15, 867            | 15, 867            | —                 | 17, 397            | 17, 393            | 4               |
| Mail carriers.....                                                                       | 91, 451            | 90, 131            | 1, 320            | 121, 333           | 120, 204           | 1, 129          |
| Postmasters <sup>20</sup> .....                                                          | 31, 935            | 20, 727            | 11, 208           | 34, 421            | 20, 818            | 13, 603         |
| Radio operators.....                                                                     | ( <sup>21</sup> )  | ( <sup>21</sup> )  | ( <sup>21</sup> ) | 4, 955             | 4, 909             | 46              |
| Telegraph and telephone linemen.....                                                     | 37, 917            | 37, 906            | 12                | 71, 625            | 71, 624            | 1               |
| Telegraph messengers.....                                                                | 9, 403             | 8, 969             | 434               | 16, 176            | 15, 987            | 179             |
| Telegraph operators.....                                                                 | 27 79, 434         | 27 62, 574         | 16, 860           | 67, 821            | 61, 689            | 16, 122         |
| Telephone operators.....                                                                 | 190, 160           | 11, 781            | 178, 379          | 248, 884           | 13, 625            | 235, 259        |
| <b>Other transportation and communication:</b>                                           |                    |                    |                   |                    |                    |                 |
| Apprentices, steam railroad, telegraph and telephone, and other transportation, etc..... | ( <sup>22</sup> )  | ( <sup>22</sup> )  | ( <sup>22</sup> ) | 6, 151             | 6, 097             | 54              |
| Aviators <sup>22</sup> .....                                                             | 1, 312             | 1, 304             | 8                 | 6, 097             | 6, 031             | 66              |
| Foremen and overseers (n. o. s.).....                                                    | 29, 863            | 29, 824            | 39                | 52, 135            | 52, 061            | 74              |
| Air transportation.....                                                                  | ( <sup>23</sup> )  | ( <sup>23</sup> )  | ( <sup>23</sup> ) | 181                | 181                | —               |
| Garages, greasing stations, and automobile laundries.....                                | ( <sup>24</sup> )  | ( <sup>24</sup> )  | ( <sup>24</sup> ) | 6, 652             | 6, 650             | 2               |
| Road, street, etc., building and repairing.....                                          | 9, 558             | 9, 557             | 1                 | 23, 250            | 23, 249            | 1               |
| Telegraph and telephone.....                                                             | 6, 822             | 6, 797             | 25                | 11, 172            | 11, 112            | 60              |
| Other transp. and communication.....                                                     | 10 13, 483         | 10 13, 470         | 13                | 10, 880            | 10, 869            | 11              |
| Inspectors.....                                                                          | 50, 233            | 49, 848            | 385               | 52, 120            | 50, 965            | 1, 155          |
| Steam railroad.....                                                                      | 42, 721            | 42, 675            | 46                | 39, 079            | 39, 066            | 13              |
| Street railroad.....                                                                     | 3, 451             | 3, 445             | 6                 | 3, 330             | 3, 325             | 5               |
| Telegraph and telephone.....                                                             | 2, 821             | 2, 491             | 330               | 4, 173             | 3, 040             | 1, 133          |
| Other transp. and communication.....                                                     | 1, 240             | 1, 237             | 3                 | 5, 538             | 5, 534             | 4               |
| Laborers (n. o. s.).....                                                                 | 33, 432            | 33, 229            | 203               | 51, 063            | 50, 998            | 65              |
| Air transportation.....                                                                  | ( <sup>25</sup> )  | ( <sup>25</sup> )  | ( <sup>25</sup> ) | 1, 609             | 1, 602             | 7               |
| Express companies.....                                                                   | 9, 089             | 9, 087             | 22                | 7, 086             | 7, 085             | 1               |
| Pipe lines.....                                                                          | 7, 369             | 7, 362             | 7                 | 13, 704            | 13, 700            | 4               |
| Telegraph and telephone.....                                                             | 5, 088             | 5, 011             | 77                | 12, 674            | 12, 647            | 27              |
| Water transportation.....                                                                | 5, 966             | 5, 963             | 3                 | 11, 320            | 11, 827            | 2               |
| Other transp. and communication.....                                                     | 5, 920             | 5, 826             | 94                | 4, 661             | 4, 637             | 24              |
| Proprietors, managers, and officials (n. o. s.).....                                     | 30, 197            | 29, 552            | 645               | 37, 999            | 34, 987            | 3, 003          |
| Air transportation.....                                                                  | ( <sup>26</sup> )  | ( <sup>26</sup> )  | ( <sup>26</sup> ) | 1, 090             | 1, 085             | 5               |
| Telegraph and telephone.....                                                             | 11, 603            | 11, 059            | 544               | 18, 957            | 16, 084            | 2, 873          |
| Other transp. and communication.....                                                     | 18, 594            | 18, 493            | 101               | 17, 943            | 17, 818            | 125             |
| Other occupations.....                                                                   | 48, 124            | 46, 634            | 1, 490            | 85, 717            | 83, 794            | 1, 923          |
| Road, street, etc., building and repairing.....                                          | 4, 435             | 4, 331             | 104               | 8, 565             | 8, 524             | 41              |
| Steam railroad.....                                                                      | 28, 621            | 27, 916            | 705               | 42, 619            | 42, 011            | 608             |
| Street railroad.....                                                                     | 9, 259             | 9, 088             | 171               | 13, 375            | 13, 242            | 133             |
| Other transp. and communication.....                                                     | 5, 809             | 5, 299             | 510               | 21, 158            | 20, 017            | 1, 141          |
| <b>Trade.....</b>                                                                        | <b>4, 267, 684</b> | <b>3, 585, 701</b> | <b>671, 983</b>   | <b>6, 081, 467</b> | <b>5, 118, 787</b> | <b>962, 680</b> |
| Advertising agents.....                                                                  | ( <sup>27</sup> )  | ( <sup>27</sup> )  | ( <sup>27</sup> ) | 49, 020            | 43, 364            | 5, 656          |
| Apprentices, wholesale and retail trade.....                                             | ( <sup>28</sup> )  | ( <sup>28</sup> )  | ( <sup>28</sup> ) | 2, 444             | 2, 337             | 107             |
| Bankers, brokers, and money lenders.....                                                 | 161, 613           | 156, 309           | 5, 304            | 221, 504           | 212, 312           | 9, 192          |
| Bankers and bank officials.....                                                          | 82, 375            | 78, 149            | 4, 226            | 93, 356            | 87, 429            | 5, 927          |
| Commercial brokers and commission men.....                                               | 27, 552            | 27, 358            | 194               | 23, 638            | 23, 352            | 286             |
| Loan brokers and pawnbrokers.....                                                        | 5, 473             | 5, 321             | 152               | 13, 562            | 12, 930            | 632             |
| Stock brokers.....                                                                       | 29, 609            | 29, 233            | 376               | 70, 950            | 69, 157            | 1, 793          |
| Brokers not specified and promoters.....                                                 | 16, 604            | 16, 248            | 356               | 19, 998            | 19, 444            | 554             |
| "Clerks" in stores <sup>29</sup> .....                                                   | 413, 918           | 243, 521           | 170, 397          | 401, 991           | 238, 844           | 163, 147        |
| Commercial travelers.....                                                                | 176, 320           | 176, 514           | 2, 806            | 223, 732           | 219, 790           | 3, 942          |
| Decorators, drapers, and window dressers.....                                            | 8, 853             | 7, 698             | 1, 155            | 20, 149            | 13, 911            | 6, 238          |
| Deliverymen, bakeries and stores <sup>30</sup> .....                                     | 34 170, 235        | 34 170, 039        | 196               | 159, 444           | 159, 328           | 116             |
| Floorwalkers and foremen in stores.....                                                  | 20, 604            | 16, 555            | 4, 039            | 32, 564            | 27, 928            | 4, 636          |
| Foremen, warehouses, stockyards, etc.....                                                | 5, 833             | 5, 802             | 31                | 5, 599             | 5, 440             | 159             |

<sup>1</sup> Not otherwise specified.<sup>20</sup> Selected occupations.<sup>21</sup> Not classified separately in 1920.<sup>22</sup> Postmasters were classified in "Public service" in 1920.<sup>23</sup> Radio and wireless operators were included with telegraph operators in 1920. <sup>24</sup> See Note 4, p. 56.<sup>25</sup> Aviators, designated "Aeronauts" and classified in "Other professional pursuits" in 1920, were transferred to "Transportation and communication" in 1930.<sup>26</sup> Foremen in garages, greasing stations, etc., included in "Other transportation and communication."<sup>27</sup> Classified in 1920 in the group "Agents" in "Clerical occupations."<sup>28</sup> Group more strictly confined in 1930 than in 1920 to persons specifically returned as "Clerks in stores."<sup>29</sup> Some deliverymen probably returned and classified as chauffeurs, others as teamsters or truck drivers.<sup>30</sup> Includes deliverymen for laundries classified in "Domestic and personal service" in 1930.

## No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

| Occupation                                                                | 1920      |           |         | 1930      |           |         |
|---------------------------------------------------------------------------|-----------|-----------|---------|-----------|-----------|---------|
|                                                                           | Total     | Male      | Female  | Total     | Male      | Female  |
| <b>Trade—Continued.</b>                                                   |           |           |         |           |           |         |
| Inspectors, gaugers, and samplers.....                                    | 13,714    | 12,683    | 1,031   | 10,743    | 10,923    | 5,820   |
| Insurance agents, managers, and officials.....                            | 134,973   | 129,589   | 5,389   | 280,235   | 271,530   | 14,705  |
| Insurance agents.....                                                     | 119,918   | 114,835   | 5,083   | 256,927   | 243,974   | 12,953  |
| Managers and officials, insurance cos.....                                | 16,060    | 14,754    | 306     | 29,308    | 27,556    | 1,752   |
| Laborers in coal and lumber yards, etc.....                               | 125,809   | 124,713   | 896     | 113,669   | 113,027   | 642     |
| Coal yards and lumber yards.....                                          | 68,543    | 68,454    | 89      | 73,232    | 73,211    | 21      |
| Grain elevators.....                                                      | 11,312    | 11,244    | 68      | 9,212     | 9,141     | 71      |
| Stockyards.....                                                           | 22,883    | 22,859    | 29      | 8,735     | 8,733     | 2       |
| Warehouses.....                                                           | 22,866    | 22,156    | 710     | 18,690    | 18,205    | 404     |
| Other and not specified trade.....                                        | (21)      | (21)      | (21)    | 3,791     | 3,737     | 54      |
| Laborers, porters, and helpers in stores.....                             | 128,007   | 116,602   | 8,405   | 208,688   | 199,256   | 9,392   |
| Newsboys.....                                                             | 27,961    | 27,035    | 326     | 38,993    | 38,576    | 417     |
| Proprietors, managers, and officials (n. o. s.) <sup>6</sup>              | 34,776    | 33,715    | 1,061   | 45,305    | 42,201    | 3,104   |
| Employment office keepers.....                                            | 5,026     | 2,867     | 669     | 5,765     | 2,425     | 1,340   |
| Proprietors, etc., advertising agencies.....                              | (38)      | (38)      | (38)    | 10,539    | 9,771     | 768     |
| Proprietors, etc., grain elevators.....                                   | 8,858     | 8,836     | 22      | 9,505     | 9,484     | 21      |
| Proprietors, etc., warehouses.....                                        | 6,353     | 6,310     | 43      | 7,389     | 7,327     | 62      |
| Other proprietors, managers, and officials.....                           | 16,539    | 16,212    | 327     | 14,107    | 13,194    | 913     |
| Real estate agents and officials.....                                     | 149,135   | 139,927   | 9,208   | 240,030   | 208,243   | 31,787  |
| Managers and officials, real estate cos.....                              | (21)      | (21)      | (21)    | 5,608     | 5,124     | 479     |
| Real estate agents.....                                                   | (21)      | (21)      | (21)    | 234,427   | 203,119   | 31,308  |
| <b>Retail dealers<sup>7</sup></b>                                         | 1,328,275 | 1,249,295 | 78,980  | 1,703,522 | 1,693,359 | 110,166 |
| Automobiles and accessories.....                                          | 28,708    | 28,628    | 142     | 61,607    | 60,991    | 516     |
| Books, music, news, and stationery.....                                   | 25,369    | 23,028    | 2,341   | 36,503    | 32,909    | 3,594   |
| Buyers and shippers of livestock and other farm products.....             | 48,309    | 48,228    | 81      | 41,784    | 41,684    | 100     |
| Candy and confectionery.....                                              | 40,091    | 32,368    | 7,723   | 62,210    | 51,766    | 10,444  |
| Cigars and tobacco.....                                                   | 19,141    | 18,031    | 1,110   | 19,952    | 19,044    | 908     |
| Coal and wood.....                                                        | 26,556    | 26,057    | 499     | 29,876    | 29,225    | 651     |
| Department stores.....                                                    | 11,752    | 10,800    | 952     | 19,361    | 17,751    | 1,610   |
| Dry goods, clothing, and boots and shoes.....                             | 133,106   | 121,379   | 11,727  | 148,837   | 129,486   | 19,351  |
| Drugs and medicines <sup>8</sup> .....                                    | 80,157    | 76,935    | 3,162   | 104,727   | 100,123   | 4,604   |
| Five and ten cent and variety stores.....                                 | 5,968     | 4,899     | 1,069   | 10,454    | 9,035     | 1,429   |
| Flour and feed.....                                                       | 9,309     | 9,212     | 97      | 9,887     | 9,781     | 106     |
| Food (except groceries and hucksters' goods).....                         | 202,444   | 196,838   | 5,605   | 239,436   | 233,166   | 6,270   |
| Furniture, carpets, and rugs.....                                         | 27,145    | 26,453    | 692     | 35,884    | 34,019    | 1,865   |
| Gasoline and oil filling stations.....                                    | (88)      | (88)      | (88)    | 89,190    | 87,095    | 2,095   |
| General stores.....                                                       | 80,028    | 76,317    | 3,709   | 81,187    | 76,011    | 5,176   |
| Groceries.....                                                            | 239,236   | 218,059   | 23,177  | 313,086   | 284,011   | 29,075  |
| Hardware, implements, and wagons.....                                     | 48,933    | 48,213    | 720     | 52,138    | 51,216    | 922     |
| Hucksters and peddlers.....                                               | 50,402    | 48,493    | 1,909   | 56,610    | 54,820    | 1,790   |
| Ice.....                                                                  | 8,203     | 8,166     | 37      | 19,648    | 19,572    | 76      |
| Jewelry.....                                                              | 21,433    | 20,652    | 781     | 23,864    | 22,976    | 888     |
| Junk and rags.....                                                        | 24,773    | 24,581    | 192     | 27,478    | 27,166    | 312     |
| Lumber.....                                                               | 27,687    | 27,589    | 98      | 34,070    | 33,903    | 167     |
| Opticians.....                                                            | 12,632    | 11,743    | 889     | 14,353    | 13,769    | 616     |
| Other specified dealers.....                                              | 81,107    | 85,085    | 6,022   | 113,061   | 101,377   | 11,684  |
| Not specified dealers.....                                                | 65,728    | 59,483    | 6,245   | 58,377    | 52,460    | 5,917   |
| <b>Salesmen and saleswomen.....</b>                                       | 1,192,199 | 826,866   | 365,333 | 2,060,003 | 1,508,283 | 560,720 |
| Auctioneers.....                                                          | 5,043     | 5,045     | 3       | 4,231     | 4,277     | 4       |
| Canvassers <sup>9</sup> .....                                             | 14,705    | 10,514    | 4,191   | 63,769    | 51,956    | 11,813  |
| Demonstrators.....                                                        | 4,823     | 1,639     | 3,184   | 7,533     | 1,793     | 5,740   |
| Sales agents.....                                                         | 41,842    | 40,207    | 1,634   | 5,088     | 4,571     | 517     |
| Salesmen and saleswomen.....                                              | 1,125,782 | 769,461   | 356,321 | 1,988,332 | 1,445,686 | 542,646 |
| Undertakers.....                                                          | 24,469    | 23,342    | 1,127   | 34,132    | 32,192    | 1,940   |
| Wholesale dealers, importers, and exporters.....                          | 73,574    | 72,780    | 794     | 83,526    | 81,837    | 1,688   |
| <b>Other pursuits in trade.....</b>                                       | 67,611    | 52,106    | 15,505  | 125,175   | 96,069    | 29,106  |
| Advertising agencies.....                                                 | (40)      | (40)      | (40)    | 5,853     | 5,453     | 400     |
| Grain elevators.....                                                      | (40)      | (40)      | (40)    | 1,611     | 1,202     | 409     |
| Warehouses and cold storage plants.....                                   | (40)      | (40)      | (40)    | 5,248     | 3,520     | 1,728   |
| Wholesale trade, and retail trade (except automobile) <sup>10</sup> ..... |           |           |         |           |           |         |
| Fruit and vegetable graders and packers.....                              | 8,074     | 4,988     | 3,086   | 9,926     | 3,784     | 6,142   |
| Meat cutters.....                                                         | 22,884    | 22,804    | 80      | 45,108    | 45,025    | 83      |
| Other occupations.....                                                    | 36,653    | 24,314    | 12,339  | 52,367    | 32,870    | 19,497  |
| Other trade industries.....                                               |           |           |         | 5,062     | 4,215     | 847     |
| Public service (not elsewhere classified).....                            | 738,525   | 727,939   | 10,586  | 858,205   | 838,622   | 17,683  |
| <b>Firemen, fire department.....</b>                                      | 50,771    | 50,771    |         | 73,008    | 73,008    |         |
| Guards, watchmen, and doorkeepers.....                                    | 115,553   | 115,154   | 399     | 148,115   | 147,115   | 1,000   |
| Laborers, public service.....                                             | 190,916   | 106,585   | 1,630   | 157,010   | 155,903   | 1,107   |

<sup>6</sup> Not otherwise specified. <sup>7</sup> Not classified separately in 1920. <sup>8</sup> Included in "Other proprietors."<sup>9</sup> Includes managers and superintendents of retail stores. <sup>10</sup> Including druggists and pharmacists.<sup>11</sup> "Retail dealers, gasoline and oil filling stations" included in "Other specified retail dealers" in 1920.<sup>12</sup> Canvassers, classified in "Clerical occupations" in 1920, were transferred to "Trade" in 1930.<sup>13</sup> Included in the group "Other occupations" in 1920.

## No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

| Occupation                                                           | 1920                   |                        |                        | 1930             |                  |                  |
|----------------------------------------------------------------------|------------------------|------------------------|------------------------|------------------|------------------|------------------|
|                                                                      | Total                  | Male                   | Female                 | Total            | Male             | Female           |
| <b>Public Service—Continued.</b>                                     |                        |                        |                        |                  |                  |                  |
| Marshals, sheriffs, detectives, etc.                                 | 32,214                 | 30,968                 | 1,246                  | 41,823           | 39,247           | 2,576            |
| Detectives                                                           | 11,965                 | 11,562                 | 393                    | 12,865           | 12,180           | 685              |
| Marshals and constables                                              | 6,897                  | 6,880                  | 17                     | 9,350            | 9,288            | 62               |
| Probation and truant officers                                        | 2,879                  | 1,899                  | 780                    | 4,270            | 2,715            | 1,555            |
| Sheriffs                                                             | 10,683                 | 10,627                 | 56                     | 15,338           | 15,064           | 274              |
| Officials and inspectors (city)                                      | 33,505                 | 31,918                 | 1,587                  | 48,309           | 45,200           | 3,109            |
| Officials and inspectors (county)                                    | 22,092                 | 18,830                 | 3,262                  | 30,086           | 24,231           | 5,855            |
| Officials and inspectors (State)                                     | 9,120                  | 8,596                  | 524                    | 15,236           | 14,256           | 980              |
| Officials and inspectors (United States) <sup>41</sup>               | 39,273                 | 38,621                 | 652                    | 36,464           | 35,625           | 839              |
| Policemen                                                            | 82,120                 | 81,884                 | 236                    | 131,687          | 130,838          | 849              |
| Soldiers, sailors, and marines <sup>42</sup>                         | 225,503                | 225,503                | —                      | 132,830          | 132,830          | —                |
| Other public service pursuits                                        | 21,453                 | 20,309                 | 1,144                  | 41,637           | 40,360           | 1,208            |
| <b>Professional service</b>                                          | <b>2,171,261</b>       | <b>1,164,221</b>       | <b>1,017,080</b>       | <b>3,253,864</b> | <b>1,727,650</b> | <b>1,526,234</b> |
| Actors                                                               | 28,361                 | 15,124                 | 13,237                 | 37,993           | 18,708           | 19,285           |
| Showmen                                                              | 19,811                 | 18,604                 | 1,117                  | 37,303           | 35,808           | 1,495            |
| Architects                                                           | 18,185                 | 18,048                 | 137                    | 22,000           | 21,621           | 379              |
| Artists, sculptors, and teachers of art                              | 35,402                 | 20,785                 | 14,617                 | 57,265           | 35,621           | 21,644           |
| Authors                                                              | 6,668                  | 3,662                  | 3,006                  | 12,449           | 7,002            | 5,447            |
| Editors and reporters                                                | 34,197                 | 28,467                 | 5,730                  | 51,844           | 39,920           | 11,924           |
| Chemists, assayers, and metallurgists                                | 32,941                 | 31,227                 | 1,714                  | 47,068           | 45,163           | 1,905            |
| Clergymen                                                            | 127,270                | 125,483                | 1,787                  | 148,848          | 145,572          | 3,276            |
| College presidents and professors <sup>43</sup>                      | 33,407                 | 23,332                 | 10,075                 | 61,905           | 41,774           | 20,131           |
| Dentists                                                             | 56,162                 | 54,323                 | 1,839                  | 71,055           | 69,768           | 1,287            |
| Designers                                                            | 15,410                 | 9,788                  | 5,622                  | 20,508           | 12,780           | 7,728            |
| Draftsmen                                                            | 62,865                 | 50,880                 | 1,885                  | 79,922           | 78,459           | 1,463            |
| Inventors                                                            | 2,376                  | 2,349                  | 27                     | 2,300            | 2,279            | 21               |
| Lawyers, judges, and justices                                        | 122,619                | 120,781                | 1,738                  | 160,605          | 157,220          | 3,385            |
| Musicians and teachers of music                                      | 130,265                | 57,587                 | 72,678                 | 166,128          | 85,617           | 80,511           |
| Osteopaths                                                           | 5,030                  | 3,367                  | 1,663                  | 6,117            | 4,554            | 1,563            |
| Photographers                                                        | 34,269                 | 27,140                 | 7,119                  | 39,529           | 31,163           | 8,366            |
| Physicians and surgeons                                              | 144,977                | 137,768                | 7,210                  | 163,803          | 148,978          | 14,825           |
| Teachers (athletics, dancing, etc.)                                  | 9,711                  | 5,677                  | 4,034                  | 18,599           | 12,288           | 6,311            |
| Teachers (school)                                                    | 752,055                | 116,848                | 635,207                | 1,044,016        | 190,049          | 853,967          |
| Technical engineers                                                  | 138,121                | 138,080                | 41                     | 226,249          | 225,136          | 113              |
| Civil engineers and surveyors                                        | 64,680                 | 64,642                 | 18                     | 102,086          | 102,057          | 29               |
| Electrical engineers                                                 | 27,077                 | 27,065                 | 12                     | 57,837           | 57,775           | 62               |
| Mechanical engineers <sup>44</sup>                                   | 37,689                 | 37,678                 | 11                     | 54,356           | 54,338           | 18               |
| Mining engineers <sup>45</sup>                                       | 6,695                  | 6,695                  | —                      | 11,970           | 11,966           | 4                |
| Trained nurses                                                       | 149,128                | 5,454                  | 143,664                | 294,189          | 5,452            | 288,737          |
| Veterinary surgeons                                                  | 13,494                 | 13,493                 | 1                      | 11,893           | 11,852           | 41               |
| <b>Other professional pursuits <sup>46</sup></b>                     | <b>(<sup>47</sup>)</b> | <b>(<sup>47</sup>)</b> | <b>(<sup>47</sup>)</b> | <b>114,393</b>   | <b>43,847</b>    | <b>70,546</b>    |
| County agents, farm demonstrators, etc.                              | ( <sup>47</sup> )      | ( <sup>47</sup> )      | ( <sup>47</sup> )      | 5,597            | 4,500            | 1,097            |
| Librarians                                                           | 16,297                 | 1,795                  | 13,502                 | 29,613           | 2,557            | 27,056           |
| Social and welfare workers                                           | ( <sup>48</sup> )      | ( <sup>48</sup> )      | ( <sup>48</sup> )      | 31,241           | 6,649            | 24,592           |
| Other occupations                                                    | 18,409                 | 12,646                 | 5,763                  | 47,942           | 30,141           | 17,801           |
| <b>Semiprofessional and recreational pursuits</b>                    | <b>(<sup>49</sup>)</b> | <b>(<sup>49</sup>)</b> | <b>(<sup>49</sup>)</b> | <b>198,549</b>   | <b>143,365</b>   | <b>55,184</b>    |
| Abstracters, notaries, and justices of peace                         | 10,071                 | 8,588                  | 1,483                  | 11,756           | 9,848            | 1,908            |
| Architects', designers', and draftsmen's apprentices <sup>28</sup>   | 3,777                  | 3,479                  | 298                    | 2,656            | 2,436            | 220              |
| Apprentices to other professional persons                            | ( <sup>28</sup> )      | ( <sup>28</sup> )      | ( <sup>28</sup> )      | 3,935            | 3,801            | 74               |
| Billiard room, dance hall, skating rink, etc., keepers <sup>40</sup> | 24,807                 | 24,655                 | 242                    | 29,129           | 28,819           | 310              |
| Chiropactors                                                         | ( <sup>50</sup> )      | ( <sup>50</sup> )      | ( <sup>50</sup> )      | 11,916           | 9,203            | 2,713            |
| Directors, managers, and officials, motion picture production        | ( <sup>51</sup> )      | ( <sup>51</sup> )      | ( <sup>51</sup> )      | 1,923            | 1,888            | 35               |
| Healers (not elsewhere classified)                                   | <sup>52</sup> 14,774   | <sup>53</sup> 6,872    | <sup>50</sup> 7,902    | 17,640           | 7,866            | 9,774            |
| Keepers of charitable and penal institutions                         | 12,884                 | 7,963                  | 4,921                  | 15,020           | 9,468            | 5,552            |
| Keepers of pleasure resorts, race tracks, etc.                       | 3,360                  | 3,163                  | 197                    | 10,718           | 9,741            | 977              |
| Officials of lodges, societies, etc.                                 | 11,736                 | 9,574                  | 2,162                  | 14,615           | 11,513           | 3,002            |
| Radio announcers, directors, managers, and officials                 | ( <sup>52</sup> )      | ( <sup>52</sup> )      | ( <sup>52</sup> )      | 1,819            | 1,639            | 180              |
| Religious workers                                                    | <sup>48</sup> 41,078   | <sup>48</sup> 14,151   | <sup>48</sup> 26,927   | 31,290           | 11,339           | 19,951           |
| Theatrical owners, managers, and officials                           | <sup>41</sup> 18,395   | <sup>41</sup> 17,188   | <sup>41</sup> 1,207    | 19,723           | 18,991           | 1,032            |

<sup>1</sup> Comparable figures for 1920 not available.<sup>28</sup> See note 4, p. 56.<sup>41</sup> In 1920 this group included "Postmasters," classified in "Transportation and communication" in 1930.<sup>42</sup> Includes only those resident in continental United States at date of enumeration.<sup>43</sup> Probably includes some teachers in schools below collegiate rank.<sup>44</sup> Includes, also, all technical engineers not elsewhere classified.<sup>45</sup> Includes, also, chemical and metallurgical engineers. <sup>46</sup> See note 29, p. 61.<sup>47</sup> "County agents, farm demonstrators, etc.," included with "Agents" in "Clerical occupations."<sup>48</sup> "Social and welfare workers" included with "Religious workers" in "Semiprofessional pursuits."<sup>49</sup> Classified in "Domestic and personal service" in 1920, transferred to "Professional service" in 1930.<sup>50</sup> Chiropactors were included in "Healers (except osteopaths and physicians and surgeons)" in 1920.<sup>51</sup> "Directors, managers, and officials, motion picture production" were included in the group "Theatrical owners, managers, and officials" in 1920. <sup>52</sup> Not shown prior to 1930.

# No. 49.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES—Continued

| OCCUPATION                                                   | 1920                  |                       |                       | 1930             |                  |                  |
|--------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|------------------|------------------|
|                                                              | Total                 | Male                  | Female                | Total            | Male             | Female           |
| <b>Professional service—Continued.</b>                       |                       |                       |                       |                  |                  |                  |
| Semiprofessional, etc., pursuits—Contd.                      |                       |                       |                       |                  |                  |                  |
| Technicians and laboratory assistants.....                   | ( <sup>53</sup> )     | ( <sup>53</sup> )     | ( <sup>53</sup> )     | 15,988           | 8,288            | 7,700            |
| Other occupations.....                                       | 4,267                 | 3,187                 | 1,070                 | 10,521           | 8,765            | 1,756            |
| Attendants and helpers.....                                  | ( <sup>7</sup> )      | ( <sup>7</sup> )      | ( <sup>7</sup> )      | 170,884          | 114,769          | 55,625           |
| Attendants, pool rooms, bowling alleys, golf clubs, etc..... | ( <sup>54</sup> )     | ( <sup>54</sup> )     | ( <sup>54</sup> )     | 16,168           | 16,047           | 121              |
| Dentists' assistants and attendants.....                     | 6,708                 | 1,768                 | 4,940                 | 13,715           | 770              | 12,945           |
| Helpers, motion-picture production.....                      | ( <sup>55</sup> )     | ( <sup>55</sup> )     | ( <sup>55</sup> )     | 2,213            | 1,234            | 979              |
| Laborers, professional service.....                          | ( <sup>56</sup> )     | ( <sup>56</sup> )     | ( <sup>56</sup> )     | 25,383           | 23,762           | 1,621            |
| Laborers, recreation and amusement.....                      | ( <sup>56</sup> )     | ( <sup>56</sup> )     | ( <sup>56</sup> )     | 29,893           | 20,458           | 435              |
| Physicians' and surgeons' attendants.....                    | 7,051                 | 641                   | 6,410                 | 14,042           | 689              | 13,353           |
| Stage hands and circus helpers.....                          | 5,803                 | 5,377                 | 426                   | 4,274            | 4,069            | 175              |
| Theater ushers.....                                          | 5,221                 | 2,868                 | 2,353                 | 12,461           | 9,308            | 3,153            |
| Other attendants and helpers.....                            | 0,020                 | 4,039                 | 2,890                 | 52,235           | 29,392           | 22,843           |
| <b>Domestic and personal service.....</b>                    | <b>3,379,996</b>      | <b>1,193,313</b>      | <b>2,186,682</b>      | <b>4,952,451</b> | <b>1,772,200</b> | <b>3,180,251</b> |
| Barbers, hairdressers, and manicurists.....                  | 210,211               | 182,965               | 35,246                | 374,290          | 261,090          | 113,194          |
| Boarding and lodging house keepers.....                      | 133,392               | 18,652                | 114,740               | 144,371          | 17,093           | 127,278          |
| Bootblacks.....                                              | 16,175                | 16,142                | 33                    | 18,784           | 18,747           | 37               |
| Charwomen and cleaners.....                                  | 36,803                | 11,848                | 24,955                | 61,932           | 20,943           | 40,989           |
| Cleaning, dyeing, and pressing shop workers.....             | 21,667                | 17,094                | 4,573                 | 88,118           | 66,515           | 21,603           |
| Owners, managers, and officials.....                         | ( <sup>21</sup> )     | ( <sup>21</sup> )     | ( <sup>21</sup> )     | 22,116           | 19,822           | 2,294            |
| Foremen and overseers.....                                   | ( <sup>21</sup> )     | ( <sup>21</sup> )     | ( <sup>21</sup> )     | 810              | 470              | 349              |
| Laborers.....                                                | ( <sup>21</sup> )     | ( <sup>21</sup> )     | ( <sup>21</sup> )     | 4,649            | 3,910            | 639              |
| Other operatives.....                                        | ( <sup>21</sup> )     | ( <sup>21</sup> )     | ( <sup>21</sup> )     | 60,634           | 42,313           | 18,321           |
| Elevator tenders.....                                        | 40,713                | 33,376                | 7,337                 | 67,614           | 55,255           | 12,359           |
| Hotel keepers and managers.....                              | 55,583                | 41,449                | 14,134                | 56,848           | 39,538           | 17,310           |
| Housekeepers and stewards.....                               | 221,612               | 17,262                | 204,350               | 250,746          | 20,983           | 239,763          |
| Janitors and sextons.....                                    | 178,628               | 149,690               | 29,038                | 309,626          | 273,805          | 35,820           |
| Laborers, domestic and personal service.....                 | <sup>56</sup> 32,893  | <sup>56</sup> 31,224  | <sup>56</sup> 1,669   | 71,687           | 67,337           | 4,350            |
| Laundresses and laundresses (not in laundry).....            | 396,756               | 10,882                | 385,874               | 301,033          | 4,665            | 356,468          |
| Laundry owners, managers, and officials.....                 | 18,692                | 12,230                | 1,453                 | 24,545           | 22,482           | 2,063            |
| Laundry operatives.....                                      | 120,716               | 39,068                | 80,747                | 240,704          | 80,229           | 160,475          |
| Deliverymen.....                                             | ( <sup>56</sup> )     | ( <sup>56</sup> )     | ( <sup>56</sup> )     | 20,573           | 20,658           | 15               |
| Foremen and overseers.....                                   | 3,611                 | 2,076                 | 1,535                 | 6,337            | 3,583            | 2,754            |
| Laborers.....                                                | 13,107                | 6,570                 | 6,537                 | 19,293           | 11,001           | 8,292            |
| Other operatives.....                                        | 108,997               | 31,322                | 72,675                | 194,501          | 45,087           | 149,414          |
| Midwives.....                                                | 4,773                 | 4,773                 | 3,566                 | 3,566            | 3,566            | 3,566            |
| Nurses (not trained).....                                    | 151,996               | 19,338                | 132,658               | 153,443          | 13,867           | 139,576          |
| Porters (except in stores).....                              | 88,168                | 87,683                | 485                   | 127,488          | 127,436          | 52               |
| Domestic and personal service.....                           | 43,208                | 42,929                | 279                   | 57,612           | 57,699           | 13               |
| Professional service.....                                    | 22,513                | 22,486                | 27                    | 7,766            | 7,750            | 16               |
| Steam railroad.....                                          | 22,447                | 22,268                | 179                   | 27,648           | 27,647           | 1                |
| Other porters (except in stores).....                        | 87,987                | 72,343                | 15,644                | 34,462           | 34,440           | 22               |
| Restaurant, café, and lunch-room keepers.....                |                       |                       |                       | 125,398          |                  | 40,008           |
| Servants:                                                    |                       |                       |                       |                  |                  |                  |
| Cooks.....                                                   | 308,475               | 129,857               | 268,618               | 555,392          | 194,297          | 371,095          |
| Other servants.....                                          | <sup>56</sup> 872,471 | <sup>56</sup> 128,656 | <sup>56</sup> 743,815 | 1,433,741        | 169,877          | 1,263,864        |
| Waiters.....                                                 | 228,985               | 112,064               | 116,921               | 393,288          | 161,315          | 231,973          |
| Other pursuits.....                                          | 63,300                | 61,881                | 1,919                 | 33,830           | 32,022           | 1,808            |
| Cemetery keepers.....                                        | 5,540                 | 5,496                 | 44                    | 9,762            | 9,705            | 57               |
| Hunters, trappers, and guides.....                           | 7,332                 | 7,288                 | 44                    | 6,219            | 6,132            | 87               |
| Other occupations.....                                       | 50,428                | 48,697                | 1,831                 | 17,849           | 16,185           | 1,664            |
| <b>Clerical occupations.....</b>                             | <b>3,111,838</b>      | <b>1,689,911</b>      | <b>1,421,925</b>      | <b>4,025,324</b> | <b>2,038,494</b> | <b>1,986,830</b> |
| Agents, collectors, and credit men.....                      | <sup>56</sup> 161,067 | <sup>56</sup> 149,427 | <sup>56</sup> 11,640  | 196,107          | 182,630          | 13,477           |
| Bookkeepers, cashiers, and accountants.....                  | 734,688               | 375,664               | 359,124               | 930,648          | 447,937          | 482,711          |
| Accountants and auditors.....                                | 118,451               | 106,073               | 13,378                | 181,671          | 174,557          | 17,114           |
| Bookkeepers and cashiers.....                                | 616,237               | 270,491               | 345,746               | 793,077          | 273,380          | 465,697          |
| Clarks (except "clerks" in stores).....                      | 1,487,905             | 1,016,742             | 472,163               | 1,967,000        | 1,290,447        | 706,553          |
| Messenger, errand, and office boys and girls.....            | 113,022               | 98,788                | 14,234                | 90,379           | 81,430           | 8,949            |
| Stenographers and typists.....                               | 616,154               | 50,410                | 564,744               | 811,190          | 36,050           | 775,140          |

<sup>1</sup> Comparable figures for 1920 not available.

<sup>21</sup> Not classified separately in 1920.

<sup>53</sup> Largely distributed among three groups: "Semiskilled operatives, other chemical factories"; "Other occupations" under "Semiprofessional pursuits" and "Other clerks" under "Clerical occupations."

<sup>54</sup> Included in 1920 in "Other servants" in "Domestic and personal service."

<sup>55</sup> Included in "Operatives, other and not specified manufacturing industries," p. 58.

<sup>56</sup> "Laborers, professional service"; "Laborers, recreation and amusement"; and "Laborers, domestic and personal service" comprised the 1920 group "Laborers, domestic and professional service."

<sup>57</sup> Some owners of hand laundries probably are included with laundry operatives.

<sup>58</sup> Some deliverymen probably returned as chauffeurs.

<sup>59</sup> Included with "Deliverymen" in "Trade."

<sup>60</sup> "Attendants, pool rooms, bowling alleys, golf clubs, etc.," classified in "Professional service" in 1930, formed a part of the 1920 group "Bell boys, chore boys, etc.," which was a subgroup of the group "Servants."

<sup>61</sup> See note 39, p. 62, and note 62 below.

<sup>62</sup> "Advertising agents" classified in "Trade" in 1920 and "County agents, farm demonstrators, etc.," classified in "Professional service" in 1930, included with "Agents" in "Clerical occupations" in 1920.

<sup>63</sup> Carvers, classified in "Clerical occupations" in 1920, were transferred to "Trade" in 1930.

<sup>64</sup> Except telegraph messengers.

Source: Bureau of the Census, Department of Commerce.

# No. 50.—PERSONS 10 YEARS OF AGE AND OVER GAINFULLY OCCUPIED: By States

NOTE.—The percentages represent the proportion which persons occupied form of the total population of the given sex 10 years of age and over

| Division and State                     | Males      |            |          |      | Females   |            |          |      |
|----------------------------------------|------------|------------|----------|------|-----------|------------|----------|------|
|                                        | Number     |            | Per cent |      | Number    |            | Per cent |      |
|                                        | 1920       | 1930       | 1920     | 1930 | 1920      | 1930       | 1920     | 1930 |
| <b>Continental United States</b> ..... | 33,064,737 | 33,077,804 | 78.2     | 78.2 | 3,549,511 | 10,762,116 | 21.1     | 22.0 |
| <b>New England</b> .....               | 2,363,377  | 2,489,488  | 80.4     | 75.8 | 871,015   | 941,681    | 28.0     | 27.5 |
| Maine.....                             | 245,013    | 240,110    | 77.9     | 74.4 | 94,845    | 98,493     | 21.1     | 21.4 |
| New Hampshire.....                     | 143,525    | 142,710    | 79.2     | 75.2 | 49,302    | 49,956     | 27.8     | 26.9 |
| Vermont.....                           | 111,585    | 112,806    | 77.2     | 75.9 | 28,899    | 28,397     | 19.2     | 19.9 |
| Massachusetts.....                     | 1,225,163  | 1,285,316  | 80.9     | 75.8 | 503,155   | 528,999    | 31.6     | 29.2 |
| Rhode Island.....                      | 194,438    | 206,343    | 82.0     | 77.2 | 80,562    | 87,829     | 32.7     | 30.4 |
| Connecticut.....                       | 443,653    | 490,201    | 81.0     | 76.0 | 146,262   | 178,007    | 27.1     | 26.8 |
| <b>Middle Atlantic</b> .....           | 7,122,699  | 8,322,087  | 80.1     | 78.9 | 2,117,517 | 2,685,609  | 24.1     | 24.5 |
| New York.....                          | 3,367,909  | 4,108,232  | 80.4     | 78.1 | 1,135,295 | 1,415,105  | 26.9     | 26.9 |
| New Jersey.....                        | 1,014,663  | 1,295,604  | 80.8     | 77.6 | 295,990   | 416,512    | 28.9     | 25.1 |
| Pennsylvania.....                      | 2,740,127  | 2,918,211  | 79.5     | 75.1 | 686,232   | 803,892    | 20.7     | 20.9 |
| <b>East North Central</b> .....        | 6,951,808  | 8,042,907  | 78.7     | 78.2 | 1,564,041 | 2,065,414  | 18.9     | 20.4 |
| Ohio.....                              | 1,891,546  | 2,076,158  | 79.4     | 75.6 | 409,970   | 539,606    | 18.3     | 19.9 |
| Indiana.....                           | 931,647    | 1,015,761  | 77.7     | 76.1 | 188,385   | 235,304    | 16.0     | 18.1 |
| Illinois.....                          | 2,086,800  | 2,469,216  | 78.8     | 76.8 | 540,938   | 715,468    | 21.3     | 22.9 |
| Michigan.....                          | 1,228,631  | 1,567,525  | 80.0     | 77.0 | 245,383   | 359,822    | 18.1     | 19.4 |
| Wisconsin.....                         | 813,184    | 914,247    | 75.8     | 74.6 | 182,365   | 215,214    | 18.3     | 18.7 |
| <b>West North Central</b> .....        | 3,815,631  | 4,106,672  | 74.6     | 74.7 | 772,315   | 946,165    | 16.2     | 18.0 |
| Minnesota.....                         | 742,947    | 791,833    | 75.3     | 74.1 | 164,006   | 200,965    | 18.4     | 19.9 |
| Iowa.....                              | 717,377    | 749,313    | 73.2     | 73.5 | 141,321   | 163,522    | 15.2     | 16.5 |
| Missouri.....                          | 1,072,545  | 1,158,734  | 77.4     | 77.5 | 244,016   | 269,234    | 18.1     | 20.1 |
| North Dakota.....                      | 178,754    | 204,090    | 70.9     | 72.4 | 38,328    | 56,213     | 13.0     | 14.8 |
| South Dakota.....                      | 186,885    | 210,343    | 72.2     | 73.1 | 29,686    | 37,310     | 13.3     | 14.6 |
| Nebraska.....                          | 385,292    | 417,287    | 72.9     | 73.5 | 71,789    | 89,721     | 14.8     | 16.7 |
| Kansas.....                            | 531,881    | 575,072    | 73.8     | 74.0 | 92,510    | 119,200    | 13.7     | 16.1 |
| <b>South Atlantic</b> .....            | 4,096,041  | 4,581,790  | 77.5     | 75.7 | 1,243,958 | 1,473,514  | 23.8     | 24.1 |
| Delaware.....                          | 73,122     | 77,221     | 70.7     | 77.1 | 18,102    | 20,883     | 20.8     | 21.6 |
| Maryland.....                          | 466,257    | 515,187    | 80.0     | 77.4 | 137,221   | 157,692    | 23.8     | 23.9 |
| Dist. of Columbia.....                 | 143,401    | 155,028    | 82.6     | 78.4 | 92,626    | 98,825     | 45.5     | 40.1 |
| Virginia.....                          | 677,366    | 697,944    | 76.4     | 74.4 | 156,210   | 182,267    | 18.1     | 19.5 |
| West Virginia.....                     | 433,677    | 488,264    | 76.0     | 72.5 | 97,439    | 122,108    | 11.2     | 13.1 |
| North Carolina.....                    | 693,155    | 868,000    | 75.5     | 74.7 | 202,697   | 272,965    | 21.9     | 22.9 |
| South Carolina.....                    | 468,601    | 480,976    | 77.6     | 76.4 | 205,056   | 206,761    | 33.4     | 31.2 |
| Georgia.....                           | 840,412    | 850,219    | 78.6     | 77.4 | 288,745   | 311,939    | 26.7     | 27.4 |
| Florida.....                           | 300,050    | 448,955    | 77.7     | 70.1 | 86,262    | 149,984    | 23.3     | 25.7 |
| <b>East South Central</b> .....        | 2,608,411  | 2,908,937  | 77.9     | 77.2 | 702,433   | 997,744    | 21.1     | 21.8 |
| Kentucky.....                          | 719,829    | 760,417    | 77.1     | 75.1 | 131,493   | 146,678    | 14.5     | 14.8 |
| Tennessee.....                         | 677,988    | 763,062    | 76.5     | 75.8 | 152,108   | 195,324    | 17.2     | 19.1 |
| Alabama.....                           | 684,348    | 772,281    | 79.5     | 78.1 | 223,868   | 254,014    | 25.8     | 26.1 |
| Mississippi.....                       | 626,446    | 613,177    | 78.7     | 80.6 | 194,964   | 231,728    | 29.1     | 30.3 |
| <b>West South Central</b> .....        | 3,049,275  | 3,666,565  | 78.2     | 78.2 | 669,973   | 961,687    | 17.8     | 18.6 |
| Arkansas.....                          | 513,754    | 548,652    | 77.7     | 76.2 | 115,810   | 119,193    | 18.2     | 17.0 |
| Louisiana.....                         | 528,507    | 624,196    | 77.2     | 77.4 | 162,726   | 191,420    | 22.4     | 23.5 |
| Oklahoma.....                          | 686,634    | 698,638    | 73.6     | 73.2 | 94,694    | 129,346    | 13.2     | 14.5 |
| Texas.....                             | 1,416,180  | 1,786,059  | 76.6     | 77.0 | 303,843   | 421,708    | 17.8     | 18.9 |
| <b>Mountain</b> .....                  | 1,077,774  | 1,169,683  | 77.1     | 74.9 | 177,220   | 235,250    | 15.2     | 17.3 |
| Montana.....                           | 185,905    | 184,205    | 78.9     | 75.6 | 28,278    | 32,274     | 15.2     | 16.7 |
| Idaho.....                             | 135,950    | 139,946    | 75.5     | 74.2 | 17,509    | 22,286     | 12.0     | 13.9 |
| Wyoming.....                           | 72,134     | 79,709     | 81.7     | 78.8 | 9,402     | 12,739     | 15.0     | 16.4 |
| Colorado.....                          | 303,870    | 321,874    | 76.8     | 74.9 | 63,387    | 80,963     | 17.8     | 20.0 |
| New Mexico.....                        | 107,090    | 120,606    | 74.5     | 73.3 | 14,941    | 22,101     | 12.1     | 14.7 |
| Arizona.....                           | 112,193    | 135,325    | 78.1     | 75.0 | 18,386    | 29,971     | 16.4     | 19.4 |
| Utah.....                              | 127,418    | 141,016    | 74.0     | 71.2 | 21,783    | 28,984     | 13.7     | 15.4 |
| Nevada.....                            | 33,214     | 36,982     | 84.3     | 81.2 | 4,354     | 5,902      | 17.7     | 19.3 |
| <b>Pacific</b> .....                   | 1,973,671  | 2,809,847  | 78.8     | 77.6 | 434,035   | 765,172    | 20.4     | 23.2 |
| Washington.....                        | 456,767    | 558,054    | 80.3     | 77.0 | 92,900    | 126,676    | 13.7     | 20.6 |
| Oregon.....                            | 267,791    | 328,503    | 78.1     | 77.6 | 54,492    | 81,142     | 18.4     | 21.3 |
| California.....                        | 1,226,113  | 1,943,290  | 80.0     | 77.7 | 286,647   | 557,354    | 21.4     | 24.2 |

Source: Bureau of the Census, Department of Commerce.



## No 51.—GAINFUL WORKERS 10 YEARS OF AGE AND OVER BY GEN

Note.—For total number of males and

| Division and State                | Male             |                              |                                     |                                                  |                                                    |           |                                                                 |                              |                                          |
|-----------------------------------|------------------|------------------------------|-------------------------------------|--------------------------------------------------|----------------------------------------------------|-----------|-----------------------------------------------------------------|------------------------------|------------------------------------------|
|                                   | Agri-<br>culture | Forest-<br>ry and<br>fishing | Ex-<br>traction<br>of min-<br>erals | Manufac-<br>turing and<br>chemical<br>industries | Trans-<br>porta-<br>tion and<br>commu-<br>nication | Trade     | Public<br>service<br>(not<br>else-<br>where<br>classi-<br>fied) | Profes-<br>sional<br>service | Domes-<br>tic and<br>personal<br>service |
| Continental United<br>States..... | 9,662,059        | 250,140                      | 983,564                             | 12,224,345                                       | 3,561,943                                          | 5,118,787 | 838,692                                                         | 1,727,650                    | 1,772,200                                |
| New England.....                  | 206,838          | 22,007                       | 6,601                               | 1,176,759                                        | 232,075                                            | 368,817   | 75,897                                                          | 124,777                      | 125,705                                  |
| Maine.....                        | 49,973           | 9,103                        | 1,434                               | 95,260                                           | 24,272                                             | 27,923    | 6,257                                                           | 8,971                        | 8,553                                    |
| New Hampshire.....                | 21,493           | 2,176                        | 519                                 | 69,375                                           | 13,422                                             | 16,371    | 3,006                                                           | 5,760                        | 6,040                                    |
| Vermont.....                      | 37,234           | 749                          | 2,350                               | 37,105                                           | 10,438                                             | 11,500    | 2,790                                                           | 3,898                        | 3,416                                    |
| Massachusetts.....                | 53,720           | 7,687                        | 1,435                               | 608,318                                          | 126,171                                            | 210,499   | 42,528                                                          | 72,660                       | 72,351                                   |
| Rhode Island.....                 | 8,607            | 1,065                        | 237                                 | 111,631                                          | 17,722                                             | 30,879    | 7,394                                                           | 9,189                        | 10,645                                   |
| Connecticut.....                  | 36,811           | 1,227                        | 626                                 | 254,093                                          | 39,960                                             | 71,445    | 13,922                                                          | 24,209                       | 24,390                                   |
| Middle Atlantic.....              | 566,058          | 13,474                       | 311,790                             | 3,353,133                                        | 869,353                                            | 1,328,792 | 218,847                                                         | 459,079                      | 497,316                                  |
| New York.....                     | 200,233          | 5,196                        | 9,119                               | 1,568,410                                        | 468,713                                            | 742,401   | 115,927                                                         | 252,223                      | 314,451                                  |
| New Jersey.....                   | 61,975           | 2,845                        | 3,633                               | 580,945                                          | 139,348                                            | 208,593   | 37,576                                                          | 75,136                       | 68,866                                   |
| Pennsylvania.....                 | 243,850          | 5,433                        | 299,038                             | 1,203,772                                        | 301,275                                            | 377,798   | 65,344                                                          | 131,721                      | 113,999                                  |
| East North Central.....           | 1,413,202        | 25,682                       | 144,809                             | 3,237,041                                        | 764,512                                            | 1,109,246 | 155,074                                                         | 374,889                      | 352,559                                  |
| Ohio.....                         | 303,682          | 2,213                        | 39,374                              | 889,451                                          | 214,320                                            | 285,560   | 38,131                                                          | 100,568                      | 86,357                                   |
| Indiana.....                      | 248,947          | 1,291                        | 21,095                              | 883,615                                          | 97,800                                             | 126,616   | 16,979                                                          | 44,276                       | 37,955                                   |
| Illinois.....                     | 345,740          | 2,887                        | 60,526                              | 910,372                                          | 255,602                                            | 392,334   | 61,342                                                          | 128,233                      | 137,164                                  |
| Michigan.....                     | 241,066          | 12,631                       | 20,380                              | 730,149                                          | 124,374                                            | 196,086   | 34,864                                                          | 66,815                       | 62,281                                   |
| Wisconsin.....                    | 280,861          | 7,240                        | 3,234                               | 323,454                                          | 72,416                                             | 108,651   | 13,758                                                          | 37,497                       | 28,802                                   |
| West North Central.....           | 1,652,311        | 11,144                       | 53,120                              | 898,148                                          | 385,735                                            | 548,397   | 66,270                                                          | 189,337                      | 155,259                                  |
| Minnesota.....                    | 204,294          | 0,040                        | 10,735                              | 135,558                                          | 72,685                                             | 106,140   | 13,501                                                          | 33,788                       | 30,103                                   |
| Iowa.....                         | 324,072          | 772                          | 3,662                               | 158,321                                          | 71,415                                             | 99,154    | 11,002                                                          | 29,561                       | 23,649                                   |
| Missouri.....                     | 355,243          | 3,751                        | 16,318                              | 308,142                                          | 112,360                                            | 198,290   | 19,546                                                          | 50,457                       | 55,605                                   |
| North Dakota.....                 | 130,818          | 35                           | 1,088                               | 20,751                                           | 13,782                                             | 19,373    | 1,866                                                           | 6,854                        | 4,737                                    |
| South Dakota.....                 | 127,584          | 217                          | 1,496                               | 25,935                                           | 14,179                                             | 21,490    | 2,723                                                           | 7,780                        | 4,940                                    |
| Nebraska.....                     | 193,384          | 155                          | 870                                 | 75,154                                           | 38,499                                             | 57,011    | 9,053                                                           | 17,433                       | 14,584                                   |
| Kansas.....                       | 223,966          | 174                          | 14,261                              | 122,287                                          | 62,815                                             | 74,869    | 11,589                                                          | 23,464                       | 21,641                                   |
| South Atlantic.....               | 1,678,093        | 63,350                       | 140,392                             | 1,215,490                                        | 375,928                                            | 488,244   | 116,136                                                         | 168,993                      | 180,173                                  |
| Delaware.....                     | 16,737           | 354                          | 61                                  | 29,629                                           | 8,590                                              | 8,916     | 2,311                                                           | 3,498                        | 3,147                                    |
| Maryland.....                     | 81,406           | 0,063                        | 5,023                               | 188,852                                          | 57,695                                             | 73,341    | 19,601                                                          | 25,218                       | 24,610                                   |
| District of Columbia.....         | 1,068            | 59                           | 84                                  | 41,896                                           | 16,174                                             | 25,612    | 13,165                                                          | 16,045                       | 16,746                                   |
| Virginia.....                     | 252,590          | 11,849                       | 16,003                              | 179,833                                          | 67,433                                             | 71,198    | 25,431                                                          | 23,440                       | 26,181                                   |
| West Virginia.....                | 122,797          | 5,208                        | 109,000                             | 122,064                                          | 44,732                                             | 41,709    | 5,318                                                           | 18,560                       | 13,390                                   |
| North Carolina.....               | 420,308          | 8,998                        | 2,739                               | 221,930                                          | 48,019                                             | 76,607    | 11,620                                                          | 23,285                       | 27,672                                   |
| South Carolina.....               | 250,098          | 3,545                        | 927                                 | 114,925                                          | 28,285                                             | 37,606    | 7,913                                                           | 11,321                       | 12,539                                   |
| Georgia.....                      | 412,311          | 5,164                        | 3,414                               | 180,226                                          | 59,265                                             | 83,229    | 13,667                                                          | 23,633                       | 29,763                                   |
| Florida.....                      | 115,929          | 12,625                       | 2,241                               | 127,435                                          | 45,751                                             | 67,126    | 12,210                                                          | 21,423                       | 27,130                                   |
| East South Central.....           | 1,462,053        | 19,877                       | 103,262                             | 551,071                                          | 211,844                                            | 252,098   | 33,693                                                          | 90,129                       | 87,793                                   |
| Kentucky.....                     | 342,580          | 2,170                        | 61,756                              | 141,932                                          | 61,550                                             | 69,651    | 10,244                                                          | 24,339                       | 23,167                                   |
| Tennessee.....                    | 346,276          | 4,409                        | 14,564                              | 169,672                                          | 62,810                                             | 79,554    | 9,802                                                           | 23,747                       | 28,998                                   |
| Alabama.....                      | 388,316          | 5,460                        | 31,403                              | 163,781                                          | 52,698                                             | 63,628    | 8,762                                                           | 19,163                       | 21,530                                   |
| Mississippi.....                  | 414,872          | 7,698                        | 509                                 | 75,836                                           | 34,686                                             | 39,365    | 4,886                                                           | 12,890                       | 14,118                                   |
| West South Central.....           | 1,640,003        | 28,919                       | 60,424                              | 707,355                                          | 303,355                                            | 418,400   | 67,009                                                          | 126,363                      | 148,155                                  |
| Arkansas.....                     | 333,356          | 8,975                        | 7,391                               | 77,126                                           | 34,400                                             | 43,890    | 4,633                                                           | 14,774                       | 13,526                                   |
| Louisiana.....                    | 248,640          | 13,350                       | 7,072                               | 140,086                                          | 64,846                                             | 67,191    | 11,210                                                          | 18,340                       | 27,066                                   |
| Oklahoma.....                     | 283,279          | 2,207                        | 41,273                              | 133,928                                          | 51,457                                             | 85,852    | 12,168                                                          | 28,391                       | 27,344                                   |
| Texas.....                        | 761,719          | 6,387                        | 34,688                              | 356,118                                          | 162,652                                            | 221,557   | 39,008                                                          | 64,858                       | 80,219                                   |
| Mountain.....                     | 415,488          | 12,456                       | 80,794                              | 236,104                                          | 113,122                                            | 131,691   | 24,604                                                          | 53,084                       | 46,705                                   |
| Montana.....                      | 77,409           | 2,618                        | 14,949                              | 32,398                                           | 18,119                                             | 17,236    | 3,016                                                           | 6,585                        | 6,082                                    |
| Idaho.....                        | 64,112           | 5,470                        | 5,577                               | 25,419                                           | 10,761                                             | 13,774    | 1,620                                                           | 5,590                        | 4,149                                    |
| Wyoming.....                      | 29,781           | 814                          | 6,312                               | 14,792                                           | 9,933                                              | 6,542     | 3,911                                                           | 2,978                        | 2,906                                    |
| Colorado.....                     | 101,990          | 1,249                        | 17,453                              | 70,761                                           | 32,193                                             | 45,633    | 6,438                                                           | 16,648                       | 14,842                                   |
| New Mexico.....                   | 58,689           | 1,142                        | 7,002                               | 20,153                                           | 12,638                                             | 10,059    | 1,206                                                           | 4,742                        | 4,242                                    |
| Arizona.....                      | 38,511           | 809                          | 13,973                              | 30,491                                           | 13,274                                             | 16,771    | 4,794                                                           | 7,044                        | 8,469                                    |
| Utah.....                         | 40,284           | 235                          | 10,506                              | 34,268                                           | 14,114                                             | 18,146    | 2,945                                                           | 7,575                        | 5,684                                    |
| Nevada.....                       | 8,710            | 120                          | 4,932                               | 7,817                                            | 5,680                                              | 3,630     | 584                                                             | 1,871                        | 2,391                                    |
| Pacific.....                      | 498,620          | 63,452                       | 47,572                              | 852,344                                          | 273,033                                            | 477,372   | 51,092                                                          | 173,049                      | 178,540                                  |
| Washington.....                   | 99,374           | 31,894                       | 5,710                               | 176,909                                          | 56,326                                             | 75,928    | 15,715                                                          | 25,531                       | 25,329                                   |
| Oregon.....                       | 73,769           | 18,625                       | 2,185                               | 98,865                                           | 34,930                                             | 45,261    | 6,058                                                           | 15,879                       | 14,451                                   |
| California.....                   | 320,377          | 12,933                       | 39,597                              | 576,570                                          | 182,680                                            | 356,183   | 59,319                                                          | 131,589                      | 138,760                                  |

Source: Bureau of the Census, Department of Commerce.

## ERAL DIVISIONS OF OCCUPATIONS, BY SEX AND BY STATES, 1930

females gainfully employed, see Table 50

| Male—<br>Contd.              | Female           |                                   |                                          |                                                              |                                                    |         |                                                                 |                              |                                          |                              |                       |  |
|------------------------------|------------------|-----------------------------------|------------------------------------------|--------------------------------------------------------------|----------------------------------------------------|---------|-----------------------------------------------------------------|------------------------------|------------------------------------------|------------------------------|-----------------------|--|
| Clerical<br>occupa-<br>tions | Agri-<br>culture | Forest-<br>ry and<br>fish-<br>ing | Ex-<br>tra-<br>ction<br>of min-<br>erals | Manu-<br>facturing<br>and me-<br>chanical<br>indus-<br>tries | Trans-<br>porta-<br>tion and<br>commu-<br>nication | Trade   | Public<br>service<br>(not<br>else-<br>where<br>classi-<br>fied) | Profes-<br>sional<br>service | Domes-<br>tic and<br>personal<br>service | Clerical<br>occupa-<br>tions | Division<br>and State |  |
| 2,038,494                    | 909,939          | 329                               | 759                                      | 1,886,307                                                    | 281,204                                            | 862,680 | 17,583                                                          | 1,526,234                    | 3,180,251                                | 1,986,830                    | U. S.                 |  |
| 151,710                      | 6,281            | 20                                | -----                                    | 303,189                                                      | 20,981                                             | 70,339  | 1,074                                                           | 127,491                      | 217,812                                  | 184,484                      | N. E.                 |  |
| 7,968                        | 1,489            | 10                                | -----                                    | 18,719                                                       | 1,803                                              | 5,522   | 111                                                             | 11,217                       | 20,271                                   | 9,351                        | Me.                   |  |
| 4,548                        | 574              | -----                             | -----                                    | 19,928                                                       | 991                                                | 3,144   | 44                                                              | 6,976                        | 12,164                                   | 6,136                        | N. H.                 |  |
| 3,326                        | 880              | -----                             | -----                                    | 4,345                                                        | 872                                                | 2,210   | 73                                                              | 5,283                        | 10,471                                   | 4,263                        | Vt.                   |  |
| 89,939                       | 1,023            | 4                                 | -----                                    | 164,977                                                      | 12,296                                             | 40,560  | 594                                                             | 70,959                       | 119,806                                  | 117,880                      | Mass.                 |  |
| 11,974                       | 226              | 3                                 | -----                                    | 39,831                                                       | 1,350                                              | 5,623   | 67                                                              | 8,884                        | 15,881                                   | 14,964                       | R. I.                 |  |
| 33,965                       | 1,189            | 3                                 | -----                                    | 55,399                                                       | 3,660                                              | 12,980  | 185                                                             | 24,172                       | 38,519                                   | 41,801                       | Conn.                 |  |
| 674,212                      | 16,301           | 12                                | 228                                      | 619,546                                                      | 80,255                                             | 231,748 | 3,293                                                           | 353,868                      | 699,807                                  | 630,451                      | M. A.                 |  |
| 381,553                      | 7,140            | 6                                 | 110                                      | 297,958                                                      | 48,318                                             | 117,722 | 1,800                                                           | 193,848                      | 376,596                                  | 371,607                      | N. Y.                 |  |
| 116,678                      | 2,089            | 2                                 | 5                                        | 108,770                                                      | 12,080                                             | 32,245  | 461                                                             | 51,816                       | 104,698                                  | 104,339                      | N. J.                 |  |
| 175,981                      | 7,075            | 4                                 | 113                                      | 212,818                                                      | 19,847                                             | 81,781  | 1,032                                                           | 108,204                      | 218,513                                  | 184,505                      | Pa.                   |  |
| 466,113                      | 37,946           | 16                                | 193                                      | 373,634                                                      | 65,297                                             | 225,294 | 3,696                                                           | 308,286                      | 584,776                                  | 471,376                      | E. N. C.              |  |
| 116,602                      | 8,064            | -----                             | 44                                       | 101,791                                                      | 15,688                                             | 60,897  | 1,045                                                           | 78,533                       | 157,898                                  | 116,646                      | Ohio.                 |  |
| 42,187                       | 5,937            | 2                                 | 8                                        | 49,480                                                       | 5,998                                              | 25,881  | 575                                                             | 34,770                       | 66,647                                   | 46,006                       | Ind.                  |  |
| 189,510                      | 8,231            | 2                                 | 10                                       | 125,324                                                      | 26,517                                             | 75,342  | 1,038                                                           | 96,681                       | 192,311                                  | 190,012                      | Ill.                  |  |
| 70,480                       | 6,589            | 10                                | 130                                      | 55,882                                                       | 10,599                                             | 40,306  | 682                                                             | 57,471                       | 109,839                                  | 78,317                       | Mich.                 |  |
| 85,334                       | 9,128            | 2                                 | 1                                        | 41,057                                                       | 6,495                                              | 22,868  | 356                                                             | 35,831                       | 58,081                                   | 41,395                       | Wis.                  |  |
| 171,021                      | 44,761           | 20                                | 52                                       | 108,748                                                      | 30,577                                             | 102,437 | 2,373                                                           | 191,517                      | 293,665                                  | 174,018                      | W. N. C.              |  |
| 33,989                       | 9,205            | 15                                | 1                                        | 20,581                                                       | 5,930                                              | 21,271  | 358                                                             | 40,471                       | 61,955                                   | 41,088                       | Minn.                 |  |
| 22,706                       | 6,809            | -----                             | 2                                        | 14,828                                                       | 5,600                                              | 18,848  | 450                                                             | 39,171                       | 49,403                                   | 28,411                       | Iowa.                 |  |
| 66,022                       | 12,635           | 5                                 | 12                                       | 53,065                                                       | 8,872                                              | 30,563  | 534                                                             | 40,876                       | 91,853                                   | 60,799                       | Mo.                   |  |
| 4,796                        | 3,675            | -----                             | 23                                       | 1,244                                                        | 1,140                                              | 2,938   | 138                                                             | 10,711                       | 12,780                                   | 3,707                        | N. D.                 |  |
| 3,999                        | 3,158            | -----                             | 2                                        | 1,747                                                        | 1,099                                              | 4,080   | 181                                                             | 10,950                       | 11,725                                   | 4,398                        | S. D.                 |  |
| 14,494                       | 3,865            | -----                             | -----                                    | 5,835                                                        | 3,281                                              | 10,294  | 238                                                             | 22,231                       | 28,151                                   | 15,826                       | Nebr.                 |  |
| 20,016                       | 5,424            | -----                             | 35                                       | 9,428                                                        | 4,655                                              | 14,443  | 473                                                             | 27,107                       | 37,818                                   | 19,817                       | Kans.                 |  |
| 168,991                      | 289,344          | 87                                | 54                                       | 248,057                                                      | 21,282                                             | 83,713  | 2,013                                                           | 169,780                      | 519,036                                  | 160,183                      | S. A.                 |  |
| 4,108                        | 579              | -----                             | -----                                    | 4,075                                                        | 4,227                                              | 1,809   | 28                                                              | 2,602                        | 7,147                                    | 4,216                        | Del.                  |  |
| 33,685                       | 2,677            | 6                                 | -----                                    | 34,730                                                       | 3,499                                              | 14,111  | 257                                                             | 18,745                       | 56,277                                   | 27,890                       | Md.                   |  |
| 22,622                       | 23               | -----                             | -----                                    | 4,792                                                        | 2,417                                              | 6,044   | 653                                                             | 10,624                       | 33,736                                   | 30,636                       | D. C.                 |  |
| 25,487                       | 18,157           | 9                                 | 3                                        | 33,022                                                       | 3,139                                              | 11,384  | 235                                                             | 25,227                       | 70,050                                   | 21,041                       | Va.                   |  |
| 14,576                       | 5,433            | -----                             | 23                                       | 11,634                                                       | 2,137                                              | 8,558   | 119                                                             | 16,804                       | 27,733                                   | 10,287                       | W. Va.                |  |
| 17,935                       | 70,654           | 35                                | 1                                        | 68,789                                                       | 2,545                                              | 10,869  | 193                                                             | 28,708                       | 75,779                                   | 15,417                       | N. C.                 |  |
| 8,176                        | 88,590           | 7                                 | -----                                    | 32,665                                                       | 1,243                                              | 5,379   | 68                                                              | 15,569                       | 56,936                                   | 6,314                        | S. C.                 |  |
| 25,547                       | 85,630           | 8                                 | 15                                       | 43,834                                                       | 3,728                                              | 13,102  | 245                                                             | 25,791                       | 118,760                                  | 20,826                       | Ga.                   |  |
| 16,855                       | 17,601           | 22                                | 12                                       | 14,516                                                       | 2,147                                              | 12,457  | 250                                                             | 16,290                       | 72,618                                   | 14,071                       | Fla.                  |  |
| 72,327                       | 293,139          | 38                                | 29                                       | 81,561                                                       | 11,975                                             | 42,683  | 793                                                             | 78,749                       | 256,878                                  | 81,905                       | E. S. C.              |  |
| 22,919                       | 15,917           | 2                                 | 11                                       | 20,941                                                       | 4,176                                              | 13,373  | 308                                                             | 20,464                       | 51,132                                   | 20,356                       | Ky.                   |  |
| 23,330                       | 30,576           | 13                                | 4                                        | 32,042                                                       | 3,494                                              | 12,316  | 195                                                             | 22,710                       | 73,022                                   | 20,652                       | Tenn.                 |  |
| 17,700                       | 104,445          | 16                                | 12                                       | 21,950                                                       | 2,465                                              | 10,040  | 146                                                             | 20,504                       | 80,815                                   | 13,621                       | Ala.                  |  |
| 8,378                        | 142,195          | 7                                 | 2                                        | 6,628                                                        | 1,840                                              | 6,964   | 146                                                             | 15,071                       | 51,909                                   | 6,976                        | Miss.                 |  |
| 128,682                      | 188,517          | 81                                | 105                                      | 54,824                                                       | 20,479                                             | 72,015  | 1,504                                                           | 118,570                      | 311,275                                  | 95,997                       | W. S. C.              |  |
| 9,671                        | 48,025           | 24                                | 1                                        | 4,834                                                        | 2,045                                              | 7,351   | 172                                                             | 13,135                       | 35,955                                   | 7,651                        | Ark.                  |  |
| 26,356                       | 48,152           | 38                                | 63                                       | 14,803                                                       | 3,215                                              | 12,495  | 146                                                             | 18,195                       | 77,946                                   | 16,367                       | La.                   |  |
| 22,772                       | 12,812           | 4                                 | 13                                       | 5,998                                                        | 4,630                                              | 14,392  | 361                                                             | 24,696                       | 46,126                                   | 20,314                       | Okla.                 |  |
| 67,853                       | 79,828           | 15                                | 28                                       | 29,139                                                       | 10,589                                             | 37,777  | 826                                                             | 60,544                       | 151,248                                  | 51,695                       | Tex.                  |  |
| 42,568                       | 13,896           | 10                                | 40                                       | 19,041                                                       | 7,441                                              | 26,219  | 952                                                             | 51,721                       | 77,834                                   | 38,096                       | Mt.                   |  |
| 5,792                        | 2,109            | 2                                 | 3                                        | 1,220                                                        | 960                                                | 3,409   | 146                                                             | 8,368                        | 11,201                                   | 4,796                        | Mont.                 |  |
| 3,484                        | 1,416            | 3                                 | -----                                    | 1,233                                                        | 772                                                | 2,867   | 114                                                             | 5,827                        | 6,883                                    | 3,171                        | Idaho.                |  |
| 2,320                        | 1,014            | -----                             | 1                                        | 863                                                          | 435                                                | 1,184   | 70                                                              | 3,470                        | 4,465                                    | 1,737                        | Wyo.                  |  |
| 14,739                       | 4,078            | 1                                 | 5                                        | 5,973                                                        | 2,681                                              | 9,224   | 260                                                             | 16,846                       | 26,408                                   | 15,517                       | Colo.                 |  |
| 2,538                        | 2,211            | 4                                 | 6                                        | 3,164                                                        | 514                                                | 1,733   | 73                                                              | 4,383                        | 8,004                                    | 2,009                        | N. M.                 |  |
| 5,193                        | 1,612            | -----                             | 9                                        | 4,213                                                        | 568                                                | 3,088   | 143                                                             | 5,572                        | 10,405                                   | 4,078                        | Ariz.                 |  |
| 7,259                        | 963              | -----                             | 8                                        | 2,701                                                        | 1,294                                              | 3,978   | 105                                                             | 5,977                        | 8,123                                    | 5,835                        | Utah.                 |  |
| 1,247                        | 193              | -----                             | 8                                        | 174                                                          | 187                                                | 696     | 38                                                              | 1,278                        | 2,345                                    | 983                          | Nev.                  |  |
| 164,870                      | 19,460           | 45                                | 58                                       | 79,797                                                       | 22,917                                             | 108,232 | 1,889                                                           | 143,272                      | 219,168                                  | 170,337                      | Pac.                  |  |
| 25,288                       | 4,703            | 27                                | 10                                       | 11,502                                                       | 3,908                                              | 17,608  | 281                                                             | 23,407                       | 39,151                                   | 26,079                       | Wash.                 |  |
| 14,000                       | 3,110            | 7                                 | 2                                        | 8,301                                                        | 2,461                                              | 10,188  | 183                                                             | 18,068                       | 24,702                                   | 16,120                       | Oreg.                 |  |
| 125,182                      | 11,647           | 11                                | 46                                       | 59,994                                                       | 16,548                                             | 80,436  | 1,422                                                           | 103,797                      | 155,315                                  | 128,138                      | Calif.                |  |

## No. 52.—RELIGIOUS BODIES: CHURCHES AND MEMBERS, BY DENOMINATIONS

NOTE.—The 1916 figures here presented have been adjusted for organic changes occurring in some of the denominations and also for differences in method of reporting members. The data for Jews are not comparable for the two censuses. See also headnote, Table 63.

| Denomination                                       | Churches reporting members |                    | Number of members |            | Membership by age, 1926 |                   |                  |
|----------------------------------------------------|----------------------------|--------------------|-------------------|------------|-------------------------|-------------------|------------------|
|                                                    | 1916                       | 1926               | 1916              | 1926       | Under 13 years          | 13 years and over | Age not reported |
| All denominations.....                             | 228,718                    | 232,154            | 43,311,647        | 54,578,348 | 8,320,785               | 36,948,280        | 9,307,301        |
| Adventists (5 bodies).....                         | 2,607                      | 2,576              | 114,916           | 146,177    | 3,540                   | 127,407           | 16,170           |
| Baptist bodies.....                                | 57,828                     | 60,192             | 7,153,313         | 8,440,922  | 415,798                 | 6,149,474         | 1,875,650        |
| Northern Baptist Convention.....                   | 18,177                     | 7,611 <sup>1</sup> | 1,190,863         | 1,280,966  | 49,897                  | 1,122,211         | 117,858          |
| Southern Baptist Convention.....                   | 23,580                     | 23,374             | 2,708,870         | 3,524,378  | 182,828                 | 2,805,542         | 536,008          |
| American Baptist Association.....                  | 1,431                      | 1,431              | 117,858           | 117,858    | 1,149                   | 103,899           | 12,810           |
| Negro Baptists.....                                | 22,213                     | 22,081             | 2,992,421         | 3,196,233  | 178,280                 | 1,921,338         | 1,097,055        |
| Free Will Baptists.....                            | 750                        | 1,024              | 54,833            | 70,592     | 1,190                   | 66,786            | 12,616           |
| Primitive Baptists.....                            | 2,142                      | 2,267              | 80,311            | 81,374     | 76                      | 42,283            | 39,016           |
| All other (13 bodies).....                         | 1,966                      | 2,404              | 126,015           | 161,131    | 2,429                   | 88,415            | 60,287           |
| Brethren, German Baptist (Dunkers) (5 bodies)..... | 1,283                      | 1,270              | 133,626           | 158,248    | 9,769                   | 137,843           | 11,136           |
| Christian Church (Gen. Convention).....            | 1,283                      | 1,044              | 118,737           | 112,795    | 7,411                   | 93,500            | 11,884           |
| Church of Christ, Scientist.....                   | ( <sup>2</sup> )           | 1,613              | ( <sup>2</sup> )  | 202,098    | —                       | 202,098           | —                |
| Church of the Nazarene.....                        | 866                        | 1,444              | 32,259            | 63,568     | 3,077                   | 56,991            | 4,490            |
| Churches of Christ.....                            | 5,670                      | 6,226              | 317,937           | 433,714    | —                       | —                 | 433,714          |
| Congregational Churches.....                       | 45,900                     | 5,028              | 4,800,236         | 881,699    | 16,261                  | 752,534           | 112,871          |
| Disciples of Christ.....                           | 8,396                      | 7,648              | 1,220,028         | 1,377,595  | 87,237                  | 1,148,335         | 142,023          |
| Eastern Orthodox Churches.....                     | 301                        | 446                | 249,840           | 259,394    | 59,913                  | 180,399           | 13,082           |
| Greek Orthodox Church.....                         | 87                         | 153                | 119,871           | 119,495    | 23,020                  | 87,844            | 8,631            |
| Russian Orthodox Church.....                       | 169                        | 199                | 90,681            | 95,134     | 26,003                  | 65,751            | 3,380            |
| All other (5 bodies).....                          | 45                         | 94                 | 80,288            | 44,765     | 10,890                  | 32,804            | 1,071            |
| Evangelical Church.....                            | 2,592                      | 2,055              | 210,530           | 206,080    | 10,410                  | 186,910           | 8,700            |
| Evangelical Congregational Church.....             | 153                        | 153                | 20,449            | 20,449     | 7,205                   | 10,012            | 232              |
| Evangelical Synod of North America.....            | 1,331                      | 1,287              | 339,853           | 314,518    | —                       | 314,518           | —                |
| Friends (4 bodies).....                            | 1,023                      | 885                | 112,982           | 110,422    | 16,166                  | 85,945            | 8,311            |
| Jewish congregations.....                          | 1,619                      | 3,118              | 357,135           | 4,081,242  | —                       | —                 | 4,081,242        |
| Latter Day Saints (2 bodies).....                  | 1,530                      | 1,867              | 462,329           | 600,501    | 119,861                 | 442,874           | 43,826           |
| Lutheran bodies.....                               | 13,921                     | 15,102             | 3,445,883         | 3,906,003  | 1,086,652               | 2,731,969         | 147,382          |
| United Luth. Church in America.....                | 3,559                      | 3,650              | 1,030,178         | 1,214,340  | 304,723                 | 805,844           | 43,773           |
| Augustana Synod.....                               | 1,165                      | 1,180              | 271,927           | 311,425    | 76,920                  | 232,733           | 1,772            |
| Synodical Conference of America.....               | 3,620                      | 4,782              | 1,112,065         | 1,292,620  | 370,885                 | 860,021           | 61,914           |
| Norwegian Luth. Church of America.....             | 2,740                      | 2,554              | 459,944           | 496,707    | 146,306                 | 328,300           | 22,095           |
| Joint Synod of Ohio and other States.....          | 826                        | 872                | 236,010           | 247,783    | 73,294                  | 170,043           | 4,606            |
| Synod of Iowa and other States.....                | 977                        | 873                | 186,027           | 217,873    | 63,798                  | 150,159           | 3,916            |
| All other (12 bodies).....                         | 1,034                      | 1,221              | 149,732           | 185,255    | 60,996                  | 124,863           | 9,406            |
| Mennonites (17 bodies).....                        | 835                        | 826                | 79,369            | 87,184     | 1,735                   | 77,641            | 7,788            |
| Methodist bodies.....                              | 65,692                     | 60,644             | 7,166,885         | 8,070,819  | 686,940                 | 6,190,559         | 1,193,120        |
| Methodist Episcopal Church.....                    | 20,315                     | 23,130             | 3,717,785         | 4,080,777  | 313,840                 | 3,250,505         | 516,432          |
| Methodist Protestant Church.....                   | 2,473                      | 2,239              | 186,908           | 192,171    | 11,551                  | 160,373           | 30,247           |
| Methodist Episcopal, South.....                    | 10,184                     | 18,096             | 2,114,479         | 2,487,694  | 239,647                 | 1,820,330         | 427,717          |
| African Methodist Episcopal.....                   | 6,633                      | 6,708              | 548,355           | 545,814    | 42,230                  | 358,833           | 144,751          |
| African Methodist Episcopal Zion.....              | 2,716                      | 2,436              | 257,169           | 456,813    | 57,977                  | 391,960           | 6,876            |
| Colored Methodist Episcopal.....                   | 2,621                      | 2,518              | 245,749           | 202,713    | 14,964                  | 129,043           | 58,106           |
| All other (13 bodies).....                         | 2,750                      | 2,487              | 98,440            | 104,637    | 6,731                   | 88,915            | 8,961            |
| Polish National Catholic Church.....               | 34                         | 91                 | 28,245            | 61,574     | 16,161                  | 35,950            | 6,473            |
| Presbyterian bodies.....                           | 15,840                     | 14,848             | 2,255,626         | 2,625,284  | 122,861                 | 2,281,698         | 221,225          |
| Presbyterian Church, U. S. A.....                  | 10,773                     | 8,947              | 1,625,817         | 1,894,030  | 77,700                  | 1,653,033         | 163,297          |
| Cumberland Presbyterian Church.....                | 1,813                      | 1,097              | 72,662            | 67,938     | 3,345                   | 67,770            | 6,823            |
| United Presbyterian Church.....                    | 691                        | 901                | 160,729           | 171,571    | 7,587                   | 156,512           | 7,472            |
| Presbyterian Church, U. S.....                     | 3,865                      | 3,469              | 357,769           | 461,043    | 30,769                  | 379,463           | 40,811           |
| All other (5 bodies).....                          | 398                        | 434                | 89,262            | 40,702     | 2,960                   | 34,020            | 2,222            |
| Protestant Episcopal Church.....                   | 7,345                      | 7,299              | 1,480,898         | 1,850,086  | 462,310                 | 1,299,351         | 97,425           |
| Reformed bodies.....                               | 2,745                      | 2,682              | 666,171           | 617,551    | 35,891                  | 524,155           | 57,505           |
| Reformed Church in America.....                    | 716                        | 717                | 144,629           | 153,739    | 1,961                   | 118,664           | 33,124           |
| Reformed Church in the U. S.....                   | 11,804                     | 1,709              | 1,354,225         | 361,286    | 1,895                   | 339,344           | 19,947           |
| Free Magyar Reformed.....                          | —                          | 11                 | 3,992             | 3,992      | 1,398                   | 1,895             | 609              |
| Christian.....                                     | 226                        | 245                | 57,017            | 98,534     | 30,547                  | 64,252            | 3,785            |
| Roman Catholic Church.....                         | 17,875                     | 18,940             | 16,721,815        | 18,605,003 | 5,053,781               | 12,857,277        | 693,945          |
| Salvation Army.....                                | 742                        | 1,052              | 35,954            | 74,768     | 21,006                  | 53,745            | 17               |
| Spiritualists.....                                 | 354                        | 611                | 29,028            | 50,631     | 506                     | 39,204            | 10,921           |
| Unitarians.....                                    | 411                        | 353                | 82,516            | 60,152     | 595                     | 57,373            | 2,184            |
| United Brethren (3 bodies).....                    | 3,899                      | 3,375              | 367,934           | 395,885    | 32,819                  | 330,305           | 32,761           |
| Universalist Church.....                           | 643                        | 498                | 58,566            | 54,957     | 676                     | 49,835            | 4,446            |
| All other denominations.....                       | 4,723                      | 8,673              | 364,044           | 632,200    | 48,684                  | 516,798           | 66,718           |

<sup>1</sup> Includes Free Baptist churches, but excludes Negro churches.

<sup>2</sup> Includes Negro churches formerly reported with the Northern Baptist Convention. <sup>3</sup> Not reported.

<sup>4</sup> Includes figures for Evangelical Protestant Church of North America.

<sup>5</sup> Includes Evangelical Association and United Evangelical Church. <sup>6</sup> Partly estimated.

<sup>7</sup> Includes General Synod, United Synod of the South, and General Council (except Augustana Synod).

<sup>8</sup> Includes 4 synods, of which the largest is the Synod of Missouri, Ohio, and other States.

<sup>9</sup> Includes Hauge's Synod, Norwegian Lutheran Church, and United Lutheran Church.

<sup>10</sup> Includes figures for Welsh Calvinistic Methodist Church. <sup>11</sup> Includes Hungarian Reformed.

Source: Bureau of the Census, Department of Commerce.

# No. 53.—RELIGIOUS BODIES: VALUE OF PROPERTY AND EXPENDITURES, AND NUMBER OF SUNDAY SCHOOLS AND SCHOLARS, AS REPORTED FOR 1926

NOTE.—The names of many of the denominations have been somewhat abbreviated

| Denomination                                       | Value of church edifices |                 | Expenditures during year |               | Sunday schools     |                    |
|----------------------------------------------------|--------------------------|-----------------|--------------------------|---------------|--------------------|--------------------|
|                                                    | Churches reporting       | Amount          | Churches reporting       | Amount        | Churches reporting | Number of scholars |
| All denominations.....                             | 202, 230                 | \$3,839,500,610 | 216, 042                 | \$817,214,528 | 134, 686           | 21, 038, 528       |
| Adventists (5 bodies).....                         | 1, 819                   | 11, 069, 449    | 2, 336                   | 7, 610, 863   | 1, 759             | 102, 779           |
| Baptist bodies.....                                | 52, 281                  | 469, 827, 795   | 54, 145                  | 98, 045, 096  | 47, 889            | 4, 654, 241        |
| Northern Baptist Convention.....                   | 7, 297                   | 185, 370, 676   | 7, 380                   | 34, 318, 486  | 6, 999             | 1, 062, 794        |
| Southern Baptist Convention.....                   | 21, 128                  | 173, 456, 965   | 22, 388                  | 42, 904, 563  | 19, 882            | 2, 345, 630        |
| American Baptist Association.....                  | 1, 054                   | 1, 832, 546     | 1, 303                   | 482, 045      | 918                | 56, 223            |
| Negro Baptists.....                                | 10, 833                  | 103, 465, 759   | 20, 209                  | 19, 475, 981  | 18, 756            | 1, 121, 362        |
| Free Will Baptists.....                            | 765                      | 1, 156, 743     | 872                      | 252, 613      | 643                | 38, 199            |
| Primitive Baptists.....                            | 1, 037                   | 1, 730, 348     | 776                      | 166, 847      | 5                  | 181                |
| All other (13 bodies).....                         | 1, 187                   | 2, 814, 858     | 1, 287                   | 444, 561      | 687                | 39, 847            |
| Brethren, German Baptist (Dunkers) (5 bodies)..... | 1, 206                   | 11, 110, 013    | 1, 182                   | 2, 293, 622   | 1, 067             | 133, 433           |
| Christian Church (General Convention).....         | 976                      | 7, 202, 193     | 1, 004                   | 1, 353, 379   | 938                | 85, 478            |
| Church of Christ, Scientist.....                   | 1, 185                   | 69, 416, 744    | 1, 859                   | 14, 202, 119  | 1, 655             | 140, 666           |
| Church of the Nazarene.....                        | 1, 113                   | 7, 823, 718     | 1, 340                   | 3, 124, 444   | 1, 238             | 109, 237           |
| Churches of Christ.....                            | 6, 089                   | 16, 402, 183    | 5, 975                   | 3, 991, 310   | 4, 403             | 274, 571           |
| Congregational Churches.....                       | 4, 796                   | 162, 212, 552   | 4, 810                   | 26, 820, 342  | 4, 601             | 593, 881           |
| Disciples of Christ.....                           | 6, 887                   | 114, 860, 211   | 7, 230                   | 22, 967, 484  | 6, 680             | 1, 000, 416        |
| Eastern Orthodox Churches.....                     | 397                      | 11, 780, 108    | 423                      | 2, 044, 415   | 198                | 14, 195            |
| Greek Orthodox Church.....                         | 131                      | 5, 011, 718     | 145                      | 958, 809      | 78                 | 5, 796             |
| Russian Orthodox Church.....                       | 187                      | 4, 883, 516     | 195                      | 838, 453      | 90                 | 5, 770             |
| All other (5 bodies).....                          | 79                       | 1, 893, 875     | 83                       | 247, 153      | 35                 | 2, 629             |
| Evangelical Church.....                            | 1, 989                   | 25, 380, 761    | 2, 036                   | 5, 951, 099   | 2, 000             | 280, 165           |
| Evangelical Congregational Church.....             | 142                      | 2, 319, 400     | 153                      | 574, 165      | 148                | 27, 395            |
| Evangelical Synod of North America.....            | 1, 253                   | 35, 739, 551    | 1, 274                   | 6, 002, 900   | 1, 149             | 171, 402           |
| Federated churches.....                            | 843                      | 6, 169, 725     | 864                      | 1, 272, 455   | 847                | 46, 820            |
| Friends (4 bodies).....                            | 819                      | 10, 217, 657    | 824                      | 1, 887, 785   | 727                | 67, 889            |
| Jewish Congregations.....                          | 1, 135                   | 97, 401, 688    | 1, 280                   | 19, 076, 451  | 531                | 70, 380            |
| Latter Day Saints (2 bodies).....                  | 1, 418                   | 18, 953, 316    | 1, 769                   | 3, 095, 896   | 1, 736             | 209, 933           |
| Lutheran bodies.....                               | 13, 400                  | 273, 409, 748   | 14, 721                  | 59, 500, 845  | 11, 472            | 1, 249, 998        |
| United Lutheran Church in America.....             | 3, 616                   | 114, 526, 248   | 3, 677                   | 21, 162, 961  | 3, 415             | 619, 781           |
| Augustana Synod.....                               | 1, 118                   | 22, 781, 698    | 1, 165                   | 5, 360, 446   | 1, 036             | 100, 776           |
| Synodical Conference of America.....               | 3, 878                   | 78, 755, 894    | 4, 601                   | 10, 487, 432  | 3, 028             | 212, 071           |
| Norwegian Lutheran Church of America.....          | 2, 278                   | 24, 822, 215    | 2, 497                   | 5, 786, 977   | 1, 660             | 131, 147           |
| Joint Synod of Ohio and Other States.....          | 832                      | 15, 645, 708    | 865                      | 3, 702, 259   | 769                | 88, 822            |
| Synod of Iowa and Other States.....                | 799                      | 8, 657, 486     | 867                      | 2, 223, 888   | 778                | 50, 878            |
| All other (12 bodies).....                         | 979                      | 8, 219, 499     | 1, 149                   | 1, 767, 882   | 786                | 46, 624            |
| Mennonites (17 bodies).....                        | 680                      | 4, 453, 613     | 731                      | 1, 270, 067   | 681                | 87, 897            |
| Methodist bodies.....                              | 56, 493                  | 654, 736, 975   | 59, 483                  | 152, 151, 978 | 54, 804            | 5, 587, 654        |
| Methodist Episcopal Church.....                    | 25, 290                  | 406, 165, 659   | 25, 790                  | 89, 422, 307  | 24, 730            | 3, 766, 561        |
| Methodist Protestant Church.....                   | 2, 094                   | 16, 817, 278    | 2, 160                   | 3, 137, 211   | 1, 917             | 173, 438           |
| Methodist Episcopal, South.....                    | 16, 443                  | 161, 980, 430   | 17, 798                  | 41, 651, 150  | 15, 525            | 1, 802, 464        |
| African Methodist Episcopal.....                   | 5, 829                   | 32, 092, 549    | 6, 492                   | 7, 600, 161   | 5, 884             | 288, 247           |
| African Methodist Episcopal Zion.....              | 2, 370                   | 18, 515, 723    | 2, 464                   | 4, 757, 066   | 2, 429             | 267, 141           |
| Colored Methodist Episcopal.....                   | 2, 341                   | 9, 211, 437     | 2, 477                   | 2, 428, 234   | 2, 351             | 103, 523           |
| All other (13 bodies).....                         | 2, 126                   | 9, 947, 899     | 2, 302                   | 3, 155, 849   | 1, 968             | 136, 280           |
| Polish National Catholic Church.....               | 84                       | 3, 365, 600     | 87                       | 485, 698      | 74                 | 6, 401             |
| Presbyterian bodies.....                           | 13, 832                  | 443, 572, 158   | 14, 259                  | 87, 535, 890  | 13, 222            | 2, 001, 928        |
| Presbyterian Church in the U. S. A.....            | 8, 437                   | 358, 152, 743   | 8, 656                   | 63, 230, 633  | 8, 237             | 1, 467, 295        |
| Cumberland Presbyterian Church.....                | 986                      | 3, 321, 287     | 961                      | 759, 021      | 937                | 48, 052            |
| United Presbyterian Church.....                    | 879                      | 29, 714, 845    | 890                      | 6, 642, 820   | 871                | 148, 658           |
| Presbyterian Church in the U. S.....               | 3, 148                   | 67, 798, 658    | 3, 390                   | 15, 612, 028  | 2, 959             | 367, 795           |
| All other (5 bodies).....                          | 402                      | 4, 584, 625     | 422                      | 1, 290, 858   | 390                | 30, 125            |
| Protestant Episcopal Church.....                   | 6, 532                   | 314, 596, 738   | 6, 817                   | 44, 790, 130  | 5, 607             | 479, 430           |
| Reformed bodies.....                               | 2, 618                   | 88, 457, 147    | 2, 659                   | 14, 810, 436  | 2, 489             | 465, 725           |
| Reformed Church in America.....                    | 690                      | 38, 436, 822    | 714                      | 5, 524, 673   | 689                | 124, 368           |
| Reformed Church in the U. S.....                   | 1, 650                   | 44, 662, 875    | 1, 692                   | 7, 488, 446   | 1, 614             | 316, 343           |
| All other (2 bodies).....                          | 248                      | 5, 357, 450     | 253                      | 1, 797, 317   | 186                | 26, 074            |
| Roman Catholic Church.....                         | 16, 254                  | 837, 271, 053   | 16, 317                  | 204, 526, 487 | 8, 239             | 1, 201, 330        |
| Salvation Army.....                                | 652                      | 17, 738, 506    | 1, 044                   | 6, 001, 317   | 1, 015             | 91, 586            |
| Spiritualists.....                                 | 94                       | 1, 384, 156     | 509                      | 531, 608      | 92                 | 5, 552             |
| Unitarians.....                                    | 337                      | 27, 713, 554    | 344                      | 3, 418, 975   | 317                | 19, 722            |
| United Brethren (3 bodies).....                    | 3, 224                   | 29, 578, 879    | 3, 288                   | 7, 321, 073   | 3, 088             | 400, 749           |
| Universalist Church.....                           | 470                      | 15, 826, 940    | 470                      | 1, 616, 624   | 350                | 24, 738            |
| All other denominations.....                       | 5, 396                   | 40, 939, 675    | 7, 269                   | 14, 170, 269  | 6, 228             | 450, 295           |

Source: Bureau of the Census, Department of Commerce.

## 2.—DEFECTIVES AND DELINQUENTS

(Data in this section relate to continental United States)

### No. 54.—MENTAL PATIENTS, MENTAL DEFECTIVES, AND EPILEPTICS IN STATE INSTITUTIONS, AND PRISONERS IN STATE AND FEDERAL PRISONS AND REFORMATORIES: 1910 TO 1935

[Ratio equals number per 100,000 of population]

| Year      | State hospitals for mental disease <sup>1</sup> |       |                  |       | State institutions for mental defectives and epileptics |       |                  |       | State and Federal prisons and reformatories |       |                                |       |
|-----------|-------------------------------------------------|-------|------------------|-------|---------------------------------------------------------|-------|------------------|-------|---------------------------------------------|-------|--------------------------------|-------|
|           | Patients present Jan. 1                         |       | First admissions |       | Patients present Jan. 1                                 |       | First admissions |       | Prisoners present Jan. 1                    |       | Prisoners received from courts |       |
|           | Number                                          | Ratio | Number           | Ratio | Number                                                  | Ratio | Number           | Ratio | Number                                      | Ratio | Number                         | Ratio |
| 1910..... | 159,099                                         | 173.0 | ---              | ---   | 17,411                                                  | 18.9  | ---              | ---   | 68,735                                      | 74.7  | 29,710                         | 32.5  |
| 1922..... | 222,406                                         | 204.0 | 50,286           | 45.8  | 43,679                                                  | 40.0  | 7,467            | 6.8   | ---                                         | ---   | ---                            | ---   |
| 1923..... | 229,664                                         | 207.5 | ---              | ---   | 46,580                                                  | 42.1  | ---              | ---   | 81,956                                      | 74.0  | 38,028                         | 34.6  |
| 1927..... | 256,856                                         | 218.9 | 56,144           | 47.5  | 58,367                                                  | 51.3  | 8,276            | 7.2   | 97,991                                      | 85.5  | 51,996                         | 45.1  |
| 1928..... | 264,511                                         | 222.2 | 59,417           | 49.0  | 60,412                                                  | 52.3  | 9,405            | 8.2   | 109,346                                     | 92.2  | 55,746                         | 47.0  |
| 1929..... | 272,252                                         | 225.6 | 60,500           | 49.8  | 64,417                                                  | 54.1  | 9,795            | 8.2   | 116,390                                     | 98.6  | 58,906                         | 51.4  |
| 1930..... | 280,252                                         | 229.0 | 62,738           | 51.1  | 68,035                                                  | 50.4  | 10,137           | 8.3   | 120,496                                     | 104.4 | 66,013                         | 56.2  |
| 1931..... | 292,284                                         | 236.4 | 67,152           | 54.1  | 72,505                                                  | 60.0  | 10,727           | 8.8   | 129,453                                     | 111.6 | 71,520                         | 60.8  |
| 1932..... | 305,031                                         | 245.0 | 67,083           | 53.7  | 76,726                                                  | 61.6  | 10,676           | 8.7   | 137,082                                     | 119.0 | 67,477                         | 57.8  |
| 1933..... | 321,824                                         | 257.1 | 69,338           | 55.2  | 84,131                                                  | 67.2  | 10,806           | 8.6   | 137,997                                     | 117.0 | 62,801                         | 52.8  |
| 1934..... | 332,094                                         | 263.3 | 69,934           | 55.3  | 87,382                                                  | 69.3  | 10,570           | 8.4   | 136,810                                     | 115.2 | 62,261                         | 51.9  |
| 1935..... | 341,485                                         | 268.6 | ---              | ---   | 89,918                                                  | 70.7  | ---              | ---   | 138,220                                     | 116.1 | ---                            | ---   |

<sup>1</sup> Includes 2 Federal hospitals—St. Elizabeths, District of Columbia, and prior to 1933, Asylum for Insane Indians, South Dakota.

<sup>2</sup> Does not include 7 special State institutions for epileptics, included for later enumerations.

<sup>3</sup> Figures exclude institutions not reporting, as follows: 1 institution for mental defectives in 1927, 1929, 1930, and 1931, and 2 in 1928 and 1932; 1 mental-disease hospital in 1930 and 1932; 3 State prisons in 1928, 1929, 1930, 1931, 1934, and 1935, 1 in 1927, and 4 in 1932 and 1933.

### No. 55.—MOVEMENT OF PATIENT POPULATION IN HOSPITALS FOR MENTAL DISEASE AND IN INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS, 1933 AND 1934

| Item                                                                                                        | Hospitals for mental disease |         |                    |         | Institutions for mental defectives and epileptics |         |                    |         |
|-------------------------------------------------------------------------------------------------------------|------------------------------|---------|--------------------|---------|---------------------------------------------------|---------|--------------------|---------|
|                                                                                                             | 1933                         |         | 1934               |         | 1933                                              |         | 1934               |         |
|                                                                                                             | Total <sup>1</sup>           | State   | Total <sup>1</sup> | State   | Total <sup>1</sup>                                | State   | Total <sup>1</sup> | State   |
| Patients on books at beginning of year.....                                                                 | 417,522                      | 359,106 | 437,718            | 373,807 | 102,818                                           | 96,127  | 108,774            | 100,606 |
| In hospitals or institutions.....                                                                           | 376,748                      | 321,824 | 391,791            | 332,094 | 90,440                                            | 84,131  | 93,438             | 87,382  |
| On parole or otherwise absent.....                                                                          | 40,774                       | 37,281  | 45,927             | 41,513  | 12,378                                            | 11,996  | 13,336             | 13,223  |
| Admissions during the year.....                                                                             | 130,553                      | 92,573  | 134,237            | 93,845  | 13,835                                            | 12,377  | 13,656             | 12,107  |
| First admissions.....                                                                                       | 94,689                       | 69,368  | 96,033             | 69,934  | 12,028                                            | 10,806  | 11,886             | 10,570  |
| Readmissions.....                                                                                           | 26,862                       | 17,039  | 28,244             | 17,713  | 1,124                                             | 918     | 1,024              | 824     |
| Transfers from other hospitals for mental disease or institutions for mental defectives and epileptics..... | 9,282                        | 6,166   | 9,060              | 6,196   | 683                                               | 653     | 746                | 713     |
| Separations during the year.....                                                                            | 112,504                      | 76,867  | 120,283            | 82,590  | 9,689                                             | 7,828   | 10,941             | 8,942   |
| Discharges.....                                                                                             | 69,601                       | 42,344  | 70,022             | 46,383  | 5,393                                             | 4,720   | 6,447              | 5,730   |
| Discharged as recovered.....                                                                                | ---                          | 11,746  | ---                | 12,578  | ---                                               | ---     | ---                | ---     |
| Discharged as improved.....                                                                                 | ---                          | 18,965  | ---                | 20,227  | ---                                               | ---     | ---                | ---     |
| Discharged as unimproved.....                                                                               | ---                          | 4,296   | ---                | 4,261   | ---                                               | ---     | ---                | ---     |
| Discharged, condition not reported.....                                                                     | ---                          | 1,472   | ---                | 1,588   | ---                                               | ---     | ---                | ---     |
| Discharged as without psychosis.....                                                                        | ---                          | 5,865   | ---                | 7,741   | ---                                               | ---     | ---                | ---     |
| Transfers to other hospitals for mental disease or institutions for mental defectives and epileptics.....   | 10,581                       | 6,996   | 10,380             | 7,109   | 1,785                                             | 780     | 1,770              | 685     |
| Deaths in hospitals or institutions.....                                                                    | 32,062                       | 27,517  | 33,872             | 29,098  | 2,511                                             | 2,328   | 2,724              | 2,527   |
| Patients on books at end of year.....                                                                       | 435,571                      | 374,331 | 451,872            | 384,890 | 106,784                                           | 100,876 | 109,489            | 103,770 |
| In hospitals or institutions.....                                                                           | 389,600                      | 332,517 | 403,519            | 341,485 | 93,150                                            | 87,194  | 95,520             | 89,913  |
| On parole or otherwise absent.....                                                                          | 46,071                       | 42,304  | 48,153             | 43,375  | 13,614                                            | 13,482  | 13,969             | 13,852  |

<sup>1</sup> Includes both State institutions and those under Federal, private, and local government control.

Source of tables 54 and 55: Bureau of the Census, Department of Commerce.

## No. 56.—PATIENTS IN HOSPITALS FOR MENTAL DISEASE AND IN INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS, BY STATES: 1934

[Ratio equals number per 100,000 of population as estimated for July 1, 1934. See table 11, p. 9]

| State               | Patients in hospitals for mental disease <sup>1</sup> |                              |        |        |       | Mental defectives and epileptics in institutions <sup>1</sup> |                              |       |        |       |                        |                        |
|---------------------|-------------------------------------------------------|------------------------------|--------|--------|-------|---------------------------------------------------------------|------------------------------|-------|--------|-------|------------------------|------------------------|
|                     | On books at beginning of fiscal year                  | First admissions during year |        |        |       | On books at beginning of fiscal year                          | First admissions during year |       |        |       |                        |                        |
|                     |                                                       | Total                        | Male   | Female | Ratio |                                                               | Total                        | Male  | Female | Ratio | Defective <sup>2</sup> | Epileptic <sup>2</sup> |
| United States.....  | 437,718                                               | 96,933                       | 57,473 | 39,460 | 78.6  | 106,774                                                       | 11,886                       | 6,760 | 5,126  | 9.4   | 10,009                 | 2,887                  |
| New England:        |                                                       |                              |        |        |       |                                                               |                              |       |        |       |                        |                        |
| Maine.....          | 2,399                                                 | 431                          | 257    | 174    | 51.5  | 806                                                           | 39                           | 27    | 12     | 4.7   | 38                     | 3                      |
| New Hampshire.....  | 2,000                                                 | 421                          | 240    | 181    | 84.9  | 650                                                           | 68                           | 42    | 26     | 13.7  | 68                     | 7                      |
| Vermont.....        | 1,650                                                 | 401                          | 238    | 163    | 107.2 | 299                                                           | 29                           | 10    | 19     | 7.8   | 27                     | 3                      |
| Massachusetts.....  | 23,746                                                | 3,398                        | 1,780  | 1,618  | 78.5  | 7,812                                                         | 607                          | 337   | 270    | 14.0  | 526                    | 138                    |
| Rhode Island.....   | 2,839                                                 | 541                          | 309    | 232    | 79.4  | 926                                                           | 67                           | 31    | 36     | 9.8   | 64                     | 8                      |
| Connecticut.....    | 6,768                                                 | 2,323                        | 1,363  | 960    | 136.7 | 1,323                                                         | 46                           | 24    | 22     | 2.7   | 46                     | 9                      |
| Middle Atlantic:    |                                                       |                              |        |        |       |                                                               |                              |       |        |       |                        |                        |
| New York.....       | 65,842                                                | 14,933                       | 8,162  | 6,781  | 116.3 | 17,985                                                        | 2,996                        | 1,733 | 1,262  | 23.3  | 2,692                  | 504                    |
| New Jersey.....     | 15,674                                                | 3,356                        | 1,853  | 1,503  | 79.0  | 5,897                                                         | 737                          | 435   | 304    | 17.4  | 450                    | 202                    |
| Pennsylvania.....   | 34,444                                                | 6,967                        | 3,988  | 2,979  | 69.7  | 7,475                                                         | 552                          | 330   | 222    | 5.5   | 445                    | 158                    |
| East North Central: |                                                       |                              |        |        |       |                                                               |                              |       |        |       |                        |                        |
| Ohio.....           | 21,665                                                | 5,041                        | 2,622  | 2,419  | 75.3  | 8,526                                                         | 630                          | 350   | 280    | 9.4   | 515                    | 266                    |
| Indiana.....        | 9,385                                                 | 1,777                        | 1,060  | 717    | 52.3  | 3,469                                                         | 342                          | 176   | 166    | 10.1  | 326                    | 149                    |
| Illinois.....       | 27,669                                                | 6,746                        | 4,027  | 2,719  | 86.6  | 8,276                                                         | 807                          | 482   | 385    | 11.1  | 722                    | 196                    |
| Michigan.....       | 16,098                                                | 2,644                        | 1,533  | 1,111  | 66.5  | 5,687                                                         | 883                          | 608   | 275    | 18.9  | 852                    | 176                    |
| Wisconsin.....      | 13,345                                                | 2,261                        | 1,319  | 972    | 78.8  | 3,366                                                         | 342                          | 170   | 163    | 11.8  | 320                    | 61                     |
| West North Central: |                                                       |                              |        |        |       |                                                               |                              |       |        |       |                        |                        |
| Minnesota.....      | 11,073                                                | 1,910                        | 1,188  | 722    | 73.0  | 3,034                                                         | 497                          | 210   | 287    | 10.0  | 475                    | 152                    |
| Iowa.....           | 9,860                                                 | 2,017                        | 1,262  | 755    | 79.9  | 3,037                                                         | 182                          | 89    | 93     | 7.2   | 147                    | 60                     |
| Missouri.....       | 11,967                                                | 2,562                        | 1,525  | 1,037  | 66.3  | 1,926                                                         | 199                          | 109   | 90     | 5.1   | 172                    | 61                     |
| North Dakota.....   | 1,898                                                 | 340                          | 221    | 119    | 48.8  | 766                                                           | 76                           | 43    | 33     | 10.9  | 75                     | 14                     |
| South Dakota.....   | 1,547                                                 | 302                          | 176    | 126    | 44.5  | 618                                                           | 71                           | 42    | 29     | 10.5  | 69                     | 18                     |
| Nebraska.....       | 4,231                                                 | 823                          | 395    | 228    | 45.7  | 1,410                                                         | 90                           | 45    | 45     | 6.6   | 86                     | 14                     |
| Kansas.....         | 5,291                                                 | 929                          | 559    | 370    | 60.5  | 1,908                                                         | 170                          | 97    | 73     | 9.2   | 84                     | 83                     |
| South Atlantic:     |                                                       |                              |        |        |       |                                                               |                              |       |        |       |                        |                        |
| Delaware.....       | 1,043                                                 | 291                          | 179    | 112    | 115.0 | 331                                                           | 59                           | 34    | 25     | 23.3  | 59                     | 6                      |
| Maryland.....       | 8,207                                                 | 2,047                        | 1,128  | 919    | 123.1 | 1,073                                                         | 44                           | 22    | 22     | 2.6   | 43                     | 8                      |
| Dist. of Col.....   | 5,095                                                 | 795                          | 512    | 283    | 142.0 | 631                                                           | 83                           | 34    | 49     | 14.8  | 80                     | 11                     |
| Virginia.....       | 10,369                                                | 2,380                        | 1,557  | 823    | 91.5  | 1,092                                                         | 188                          | 96    | 92     | 7.2   | 122                    | 67                     |
| West Virginia.....  | 3,333                                                 | 828                          | 510    | 318    | 46.0  | 672                                                           | 117                          | 78    | 39     | 6.5   | 30                     | 28                     |
| North Carolina..... | 7,799                                                 | 1,979                        | 1,306  | 673    | 58.6  | 745                                                           | 102                          | 65    | 37     | 3.0   | 22                     | 81                     |
| South Carolina..... | 4,095                                                 | 865                          | 484    | 381    | 44.0  | 512                                                           | 46                           | 23    | 23     | 2.3   | 39                     | 2                      |
| Georgia.....        | 7,701                                                 | 1,808                        | 1,224  | 584    | 55.2  | 263                                                           | 5                            | 3     | 2      | .2    | 5                      | -----                  |
| Florida.....        | 4,254                                                 | 1,216                        | 755    | 461    | 76.7  | 579                                                           | 54                           | 34    | 20     | 3.4   | 48                     | 9                      |
| East South Central: |                                                       |                              |        |        |       |                                                               |                              |       |        |       |                        |                        |
| Kentucky.....       | 0,772                                                 | 1,969                        | 1,353  | 616    | 70.1  | 921                                                           | 81                           | 46    | 35     | 2.9   | 81                     | 11                     |
| Tennessee.....      | 5,814                                                 | 2,369                        | 1,560  | 809    | 82.9  | 623                                                           | 45                           | 25    | 20     | 1.0   | 45                     | 4                      |
| Alabama.....        | 5,103                                                 | 1,093                        | 581    | 512    | 39.0  | 903                                                           | 60                           | 39    | 21     | 2.1   | 69                     | 2                      |
| Mississippi.....    | 4,906                                                 | 1,311                        | 846    | 465    | 66.9  | 292                                                           | 24                           | 16    | 8      | 1.2   | 23                     | 1                      |
| West South Central: |                                                       |                              |        |        |       |                                                               |                              |       |        |       |                        |                        |
| Arkansas.....       | 5,674                                                 | 1,576                        | 1,101  | 475    | 79.8  | -----                                                         | -----                        | ----- | -----  | ----- | -----                  | -----                  |
| Louisiana.....      | 5,660                                                 | 1,714                        | 1,002  | 712    | 81.0  | 384                                                           | 141                          | 82    | 59     | 6.7   | 114                    | 34                     |
| Oklahoma.....       | 7,195                                                 | 1,036                        | 1,005  | 631    | 65.7  | 714                                                           | 90                           | 41    | 49     | 3.6   | 90                     | 14                     |
| Texas.....          | 12,284                                                | 2,511                        | 1,502  | 1,009  | 41.6  | 2,334                                                         | 196                          | 116   | 80     | 3.2   | 74                     | 157                    |
| Mountain:           |                                                       |                              |        |        |       |                                                               |                              |       |        |       |                        |                        |
| Montana.....        | 1,778                                                 | 357                          | 232    | 125    | 67.2  | 401                                                           | 32                           | 16    | 16     | 6.0   | 30                     | 4                      |
| Idaho.....          | 967                                                   | 172                          | 106    | 66     | 36.4  | 511                                                           | 42                           | 21    | 21     | 8.9   | 42                     | 10                     |
| Wyoming.....        | 976                                                   | 222                          | 194    | 28     | 96.1  | 352                                                           | 33                           | 16    | 17     | 14.3  | 29                     | 7                      |
| Colorado.....       | 3,715                                                 | 844                          | 607    | 237    | 79.8  | 479                                                           | 38                           | 16    | 22     | 3.6   | 38                     | 6                      |
| New Mexico.....     | 821                                                   | 167                          | 112    | 55     | 41.5  | 75                                                            | 10                           | 4     | 6      | 2.5   | 10                     | -----                  |
| Arizona.....        | 1,095                                                 | 220                          | 147    | 73     | 67.0  | -----                                                         | -----                        | ----- | -----  | ----- | -----                  | -----                  |
| Utah.....           | 1,054                                                 | 223                          | 98     | 127    | 43.4  | 193                                                           | 60                           | 33    | 27     | 11.7  | 60                     | 10                     |
| Nevada.....         | 319                                                   | 81                           | 56     | 25     | 82.7  | -----                                                         | -----                        | ----- | -----  | ----- | -----                  | -----                  |
| Pacific:            |                                                       |                              |        |        |       |                                                               |                              |       |        |       |                        |                        |
| Washington.....     | 6,514                                                 | 1,354                        | 838    | 516    | 83.5  | 1,434                                                         | 157                          | 109   | 48     | 9.7   | 157                    | 32                     |
| Oregon.....         | 4,301                                                 | 864                          | 518    | 346    | 88.5  | 975                                                           | 118                          | 61    | 57     | 11.8  | 110                    | 23                     |
| California.....     | 21,844                                                | 6,090                        | 3,495  | 2,595  | 108.0 | 4,640                                                         | 672                          | 333   | 239    | 10.1  | 400                    | 58                     |

<sup>1</sup> Data includes both State institutions and those under Federal, private, or local governmental control.<sup>2</sup> Includes persons both defective and epileptic.

Source: Bureau of the Census, Department of Commerce.

# No. 57.—FIRST ADMISSIONS TO HOSPITALS FOR MENTAL DISEASE: BY PSYCHOSIS AND SEX, 1933 AND 1934

| Psychosis                                   | Number         |        |        | Percent distribution |                |       |       | Ad-<br>mitted<br>to<br>State<br>hospi-<br>tals,<br>1934 |             |
|---------------------------------------------|----------------|--------|--------|----------------------|----------------|-------|-------|---------------------------------------------------------|-------------|
|                                             | 1933,<br>total | 1934   |        |                      | 1933,<br>total | 1934  |       |                                                         |             |
|                                             |                | Total  | Male   | Fe-<br>male          |                | Total | Male  |                                                         | Fe-<br>male |
| Grand total.....                            | 94,689         | 96,838 | 57,473 | 39,460               | 100.0          | 100.0 | 100.0 | 100.0                                                   | 99,984      |
| Total with psychosis.....                   | 32,439         | 32,475 | 46,598 | 36,877               | 87.1           | 85.1  | 81.1  | 90.9                                                    | 63,006      |
| Traumatic.....                              | 486            | 535    | 474    | 61                   | .5             | .6    | .8    | .2                                                      | 395         |
| Senile.....                                 | 8,052          | 8,120  | 4,231  | 3,889                | 8.5            | 8.4   | 7.4   | 9.9                                                     | 0,174       |
| With cerebral arteriosclerosis.....         | 8,773          | 9,106  | 5,532  | 3,574                | 9.3            | 9.4   | 9.0   | 9.1                                                     | 8,138       |
| General paralysis.....                      | 7,166          | 7,294  | 5,636  | 1,658                | 7.6            | 7.5   | 9.8   | 4.2                                                     | 5,853       |
| With cerebral syphilis.....                 | 1,477          | 1,519  | 1,081  | 438                  | 1.6            | 1.6   | 1.9   | 1.1                                                     | 1,188       |
| With Huntington's chorea.....               | 138            | 146    | 85     | 61                   | .1             | .2    | .1    | .2                                                      | 112         |
| With brain tumor.....                       | 100            | 106    | 69     | 37                   | .1             | .1    | .1    | .1                                                      | 60          |
| With other brain or nervous diseases.....   | 1,311          | 1,306  | 785    | 520                  | 1.4            | 1.3   | 1.4   | 1.3                                                     | 937         |
| Alcoholic.....                              | 4,551          | 4,732  | 4,090  | 872                  | 4.9            | 4.9   | 7.1   | 1.7                                                     | 3,366       |
| Due to drugs or other exogenous toxins..... | 553            | 561    | 236    | 205                  | .7             | .6    | .5    | .7                                                      | 284         |
| With pellagra.....                          | 489            | 373    | 143    | 230                  | .5             | .4    | .2    | .6                                                      | 325         |
| With other somatic diseases.....            | 2,169          | 2,165  | 983    | 1,182                | 2.3            | 2.2   | 1.7   | 3.0                                                     | 1,620       |
| Manic-depressive.....                       | 12,085         | 12,079 | 5,106  | 6,973                | 12.8           | 12.5  | 8.9   | 17.7                                                    | 8,773       |
| Involution melancholia.....                 | 2,249          | 2,315  | 712    | 1,603                | 2.4            | 2.4   | 1.2   | 4.1                                                     | 1,399       |
| Dementia præcox (schizophrenia).....        | 17,789         | 18,397 | 10,014 | 8,383                | 18.8           | 19.0  | 17.4  | 21.2                                                    | 14,471      |
| Paranoia or paranoid conditions.....        | 1,024          | 1,587  | 772    | 815                  | 1.7            | 1.6   | 1.3   | 2.1                                                     | 1,061       |
| Epileptic psychoses.....                    | 2,035          | 1,993  | 1,212  | 781                  | 2.2            | 2.1   | 2.0   | 2.0                                                     | 1,628       |
| Psychoneuroses and neuroses.....            | 2,748          | 2,772  | 1,178  | 1,594                | 2.9            | 2.9   | 2.0   | 4.0                                                     | 1,616       |
| With psychopathic personality.....          | 1,248          | 1,215  | 762    | 453                  | 1.3            | 1.3   | 1.3   | 1.1                                                     | 824         |
| With mental deficiency.....                 | 2,877          | 2,798  | 1,520  | 1,278                | 3.0            | 2.9   | 2.6   | 3.2                                                     | 2,353       |
| Undiagnosed and not reported.....           | 4,292          | 3,327  | 1,917  | 1,410                | 4.5            | 3.4   | 3.3   | 3.0                                                     | 2,432       |
| Total without psychosis.....                | 13,250         | 14,468 | 10,875 | 3,593                | 12.9           | 14.9  | 18.9  | 9.1                                                     | 6,988       |
| Epilepsy.....                               | 264            | 341    | 207    | 134                  | .3             | .4    | .4    | .3                                                      | 203         |
| Alcoholism.....                             | 4,202          | 6,271  | 5,652  | 619                  | 4.4            | 6.5   | 9.8   | 1.6                                                     | 2,966       |
| Drug addiction.....                         | 889            | 990    | 687    | 303                  | .9             | 1.0   | 1.2   | .8                                                      | 498         |
| Psychopathic personality.....               | 468            | 658    | 445    | 143                  | .5             | .8    | .8    | .4                                                      | 371         |
| Mental deficiency.....                      | 1,254          | 1,377  | 833    | 544                  | 1.3            | 1.4   | 1.4   | 1.4                                                     | 1,084       |
| Others without psychosis.....               | 5,173          | 4,891  | 3,051  | 1,840                | 5.5            | 5.0   | 5.3   | 4.7                                                     | 1,806       |

# No. 58.—PATIENTS WITH PSYCHOSIS IN STATE HOSPITALS FOR MENTAL DISEASE: DISCHARGES AND DEATHS BY PSYCHOSIS, 1933 AND 1934

| Psychosis                                   | 1933               |            |           |                     | 1934               |            |           |                     |
|---------------------------------------------|--------------------|------------|-----------|---------------------|--------------------|------------|-----------|---------------------|
|                                             | Discharges         |            |           | Deaths in hospitals | Discharges         |            |           | Deaths in hospitals |
|                                             | Total <sup>1</sup> | Re-covered | Im-proved |                     | Total <sup>1</sup> | Re-covered | Im-proved |                     |
| Total.....                                  | 38,038             | 11,746     | 18,965    | 37,071              | 38,126             | 12,578     | 20,227    | 28,499              |
| Traumatic.....                              | 215                | 65         | 133       | 66                  | 241                | 72         | 135       | 102                 |
| Senile.....                                 | 958                | 103        | 597       | 5,055               | 1,001              | 78         | 622       | 5,291               |
| With cerebral arteriosclerosis.....         | 1,774              | 310        | 1,156     | 5,184               | 2,003              | 346        | 1,326     | 5,684               |
| General paralysis.....                      | 1,897              | 187        | 1,412     | 3,118               | 2,004              | 242        | 1,508     | 3,280               |
| With cerebral syphilis.....                 | 545                | 156        | 329       | 519                 | 499                | 126        | 300       | 505                 |
| With Huntington's chorea.....               | 30                 | 1          | 15        | 92                  | 84                 | 7          | 19        | 118                 |
| With brain tumor.....                       | 14                 | 3          | 4         | 61                  | 42                 | 20         | 13        | 36                  |
| With other brain or nervous diseases.....   | 465                | 57         | 299       | 450                 | 445                | 79         | 203       | 479                 |
| Alcoholic.....                              | 2,763              | 1,768      | 835       | 579                 | 2,944              | 1,996      | 909       | 826                 |
| Due to drugs or other exogenous toxins..... | 358                | 198        | 118       | 32                  | 311                | 197        | 97        | 49                  |
| With pellagra.....                          | 348                | 157        | 167       | 225                 | 322                | 150        | 152       | 178                 |
| With other somatic diseases.....            | 854                | 419        | 362       | 879                 | 918                | 418        | 428       | 916                 |
| Manic-depressive.....                       | 9,145              | 5,107      | 3,397     | 2,575               | 9,960              | 5,608      | 3,679     | 2,547               |
| Involution melancholia.....                 | 828                | 345        | 384       | 576                 | 882                | 345        | 443       | 681                 |
| Dementia præcox (schizophrenia).....        | 9,113              | 1,028      | 6,111     | 4,633               | 9,268              | 1,175      | 6,422     | 4,928               |
| Paranoia or paranoid conditions.....        | 857                | 104        | 426       | 415                 | 746                | 115        | 500       | 453                 |
| Epileptic psychoses.....                    | 909                | 107        | 596       | 860                 | 936                | 122        | 585       | 925                 |
| Psychoneuroses and neuroses.....            | 1,537              | 549        | 792       | 105                 | 1,632              | 533        | 909       | 120                 |
| With psychopathic personality.....          | 991                | 452        | 431       | 90                  | 871                | 480        | 320       | 83                  |
| With mental deficiency.....                 | 1,307              | 366        | 547       | 711                 | 1,526              | 395        | 830       | 789                 |
| Undiagnosed and not reported.....           | 1,325              | 264        | 754       | 846                 | 1,548              | 199        | 728       | 841                 |

<sup>1</sup> Includes those discharged as unimproved and condition not reported.

Source of tables 57 and 58: Bureau of the Census, Department of Commerce.

**No. 59.—FIRST ADMISSIONS TO STATE HOSPITALS FOR MENTAL DISEASE, PATIENTS WITH PSYCHOSIS ONLY: BY SEX, COLOR, NATIVITY, AND AGE, 1933**

NOTE.—The detailed data shown in this table are collected at the decennial census only

| Item                    | Total  | Male   | Female | Item                   | Total | Male  | Female |
|-------------------------|--------|--------|--------|------------------------|-------|-------|--------|
| Total.....              | 63,508 | 36,642 | 26,866 | Age (years)—Continued. |       |       |        |
| Color and nativity:     |        |        |        | 35 to 39.....          | 6,359 | 3,516 | 2,843  |
| Native white.....       | 43,924 | 25,042 | 18,882 | 40 to 44.....          | 6,187 | 3,471 | 2,690  |
| Foreign-born white..... | 11,807 | 7,096  | 4,801  | 45 to 49.....          | 6,009 | 3,454 | 2,555  |
| Negro.....              | 6,932  | 3,992  | 2,940  | 50 to 54.....          | 5,143 | 3,021 | 2,122  |
| Other races.....        | 755    | 512    | 243    | 55 to 59.....          | 4,152 | 2,499 | 1,653  |
| Age (years):            |        |        |        | 60 to 64.....          | 3,892 | 2,348 | 1,544  |
| Under 15.....           | 319    | 184    | 135    | 65 to 69.....          | 3,360 | 2,049 | 1,311  |
| 15 to 19.....           | 2,521  | 1,430  | 1,091  | 70 to 74.....          | 3,226 | 1,935 | 1,291  |
| 20 to 24.....           | 5,167  | 3,019  | 2,145  | 75 to 79.....          | 2,617 | 1,525 | 992    |
| 25 to 29.....           | 5,924  | 3,128  | 2,496  | 80 to 84.....          | 1,454 | 835   | 619    |
| 30 to 34.....           | 6,131  | 3,428  | 2,703  | 85 and over.....       | 663   | 318   | 350    |
|                         |        |        |        | Unknown.....           | 799   | 479   | 320    |

**No. 60.—FIRST ADMISSIONS TO INSTITUTIONS FOR MENTAL DEFECTIVES AND EPILEPTICS: BY SEX, MENTAL STATUS, AND TYPE OF EPILEPSY, 1933 AND 1934**

| Status and type                      | 1933,<br>total | 1934   |                    |       |        |                    |      |        |
|--------------------------------------|----------------|--------|--------------------|-------|--------|--------------------|------|--------|
|                                      |                | Total  | State institutions |       |        | Other institutions |      |        |
|                                      |                |        | Total              | Male  | Female | Total              | Male | Female |
| Defective, total.....                | 9,918          | 10,009 | 8,996              | 5,035 | 3,961  | 1,013              | 554  | 459    |
| Moron.....                           | 4,816          | 4,737  | 4,315              | 2,398 | 1,917  | 422                | 218  | 204    |
| Imbecile.....                        | 2,805          | 2,980  | 2,587              | 1,360 | 1,197  | 393                | 235  | 158    |
| Idiot.....                           | 1,558          | 1,458  | 1,333              | 757   | 576    | 126                | 67   | 58     |
| Not reported.....                    | 647            | 834    | 761                | 490   | 271    | 73                 | 34   | 39     |
| Epileptic, total.....                | 2,849          | 2,887  | 2,684              | 1,575 | 1,089  | 203                | 97   | 108    |
| Symptomatic.....                     | 617            | 708    | 691                | 486   | 225    | 17                 | 10   | 7      |
| Idiopathic.....                      | 1,485          | 1,947  | 1,784              | 1,001 | 783    | 163                | 80   | 83     |
| Not reported.....                    | 547            | 212    | 189                | 108   | 81     | 23                 | 7    | 16     |
| Defective only.....                  | 8,270          | 8,236  | 7,368              | 4,110 | 3,258  | 868                | 489  | 379    |
| Epileptic only.....                  | 1,003          | 1,094  | 1,036              | 650   | 386    | 68                 | 32   | 26     |
| Both defective and epileptic.....    | 1,646          | 1,773  | 1,828              | 925   | 703    | 145                | 65   | 80     |
| Neither defective nor epileptic..... | 1,109          | 783    | 538                | 353   | 185    | 245                | 136  | 109    |

**No. 61.—STATE AND FEDERAL PRISONS AND REFORMATORIES: PRISONERS RECEIVED FROM COURTS, BY COLOR, NATIVITY, AND AGE, 1934**

NOTE.—Ratio equals number per 100,000 of estimated population 15 years old and over for 1934. The distribution of prisoners received from courts by color, nativity, and age is shown for 1933 for both State and Federal prisons and county and city jails in the 1935 issue of the Statistical Abstract. The ratios shown for that year for the total and for each color and nativity group were based on the population of all ages

| Color, nativity, and age | Total  | Male   | Fe-<br>male | Ratio |             | Age              | Total  | Male   | Fe-<br>male | Ratio |             |
|--------------------------|--------|--------|-------------|-------|-------------|------------------|--------|--------|-------------|-------|-------------|
|                          |        |        |             | Male  | Fe-<br>male |                  |        |        |             | Male  | Fe-<br>male |
| Total.....               | 62,251 | 59,277 | 2,974       | 134.2 | 6.9         | Age (years)—Con. |        |        |             |       |             |
| Color and nativity:      |        |        |             |       |             | 20.....          | 3,388  | 3,225  | 161         | 292.0 | 14.9        |
| White.....               | 45,091 | 43,001 | 2,090       | 107.1 | 5.3         | 21 to 24.....    | 13,210 | 12,648 | 562         | 302.1 | 13.1        |
| Native.....              | 42,245 | 40,339 | 1,906       | 119.9 | 5.6         | 25 to 29.....    | 11,956 | 11,390 | 560         | 228.9 | 11.1        |
| Foreign-born.....        | 2,846  | 2,662  | 184         | 41.1  | 3.3         | 30 to 34.....    | 8,527  | 8,115  | 412         | 173.7 | 8.8         |
| Negro.....               | 14,853 | 14,013 | 840         | 436.4 | 25.6        | 35 to 39.....    | 5,739  | 5,415  | 324         | 127.5 | 7.8         |
| All other.....           | 2,307  | 2,263  | 44          | 294.0 | 7.7         | 40 to 44.....    | 3,917  | 3,708  | 209         | 83.6  | 4.9         |
| Age (years):             |        |        |             |       |             | 45 to 49.....    | 2,554  | 2,431  | 123         | 65.9  | 3.6         |
| Under 15.....            | 26     | 21     | 5           | ----- | -----       | 50 to 54.....    | 1,730  | 1,659  | 71          | 50.5  | 2.3         |
| 15 to 17.....            | 2,684  | 2,432  | 152         | 73.1  | 4.7         | 55 to 59.....    | 952    | 913    | 39          | 35.7  | 1.6         |
| 18.....                  | 3,032  | 2,879  | 153         | 257.5 | 14.3        | 60 to 64.....    | 571    | 549    | 22          | 26.4  | 1.1         |
| 19.....                  | 3,581  | 3,419  | 162         | 317.5 | 16.4        | 65 and over..... | 452    | 439    | 13          | 12.8  | 0.4         |
|                          |        |        |             |       |             | Unknown.....     | 34     | 28     | 6           | ----- | -----       |

Source of tables 59, 60, and 61: Bureau of the Census, Department of Commerce.



**No. 62.—STATE AND FEDERAL PRISONS AND REFORMATORIES AND COUNTY AND CITY JAILS: PRISONERS PRESENT JANUARY 1 AND NUMBER RECEIVED FROM COURTS, BY STATES**

[Ratio equals number per 100,000 of population 15 years old and over. Prisoners based on estimated population, July 1, 1934; jails, on enumerated population, Apr. 1, 1930]

| State                    | State and Federal prisons |         |                                  |        |        |       |       |        | County and city jails, 1933 <sup>1</sup> |                                           |         |
|--------------------------|---------------------------|---------|----------------------------------|--------|--------|-------|-------|--------|------------------------------------------|-------------------------------------------|---------|
|                          | Present Jan. 1            |         | Received from courts during 1934 |        |        |       |       |        | Present Jan. 1                           | Prisoners received Jan. 1 to June 30 only |         |
|                          |                           |         | Number                           |        |        | Ratio |       |        |                                          |                                           |         |
|                          | 1933                      | 1934    | Total                            | Male   | Female | Total | Male  | Female |                                          | Total                                     | Ratio   |
| United States            | 137,997                   | 136,810 | 62,261                           | 59,277 | 2,974  | 71.2  | 134.2 | 6.9    | 61,436                                   | 304,242                                   | 350.8   |
| Federal prisons          | 12,276                    | 10,848  | 9,275                            | 8,992  | 283    | 10.1  | 19.4  | .6     |                                          |                                           |         |
| State prisons            | 125,721                   | 125,962 | 52,976                           | 50,285 | 2,691  | 61.1  | 114.8 | 6.3    |                                          |                                           |         |
| New England:             |                           |         |                                  |        |        |       |       |        |                                          |                                           |         |
| Maine                    | 559                       | 523     | 285                              | 224    | 61     | 49.6  | 78.0  | 21.2   | 323                                      | 1,415                                     | 248.9   |
| New Hampshire            | 198                       | 209     | 85                               | 85     |        | 24.5  | 40.7  |        | 171                                      | 308                                       | 116.3   |
| Vermont                  | 431                       | 304     | 312                              | 270    | 33     | 120.0 | 209.8 | 26.0   | 67                                       | 608                                       | 235.7   |
| Massachusetts            | 2,658                     | 2,675   | 1,008                            | 779    | 229    | 31.1  | 50.1  | 13.6   | 2,167                                    | 7,654                                     | 245.1   |
| Rhode Island             | 535                       | 480     | 230                              | 191    | 39     | 44.4  | 77.0  | 14.4   | 193                                      | 559                                       | 112.8   |
| Connecticut              | 1,306                     | 1,267   | 569                              | 377    | 192    | 46.3  | 62.1  | 30.9   | 564                                      | 3,263                                     | 280.9   |
| Middle Atlantic:         |                           |         |                                  |        |        |       |       |        |                                          |                                           |         |
| New York                 | 9,613                     | 9,807   | 3,046                            | 2,817  | 229    | 30.1  | 55.7  | 4.5    | 7,870                                    | 37,824                                    | 400.9   |
| New Jersey               | 3,212                     | 3,289   | 1,519                            | 1,370  | 149    | 47.4  | 85.5  | 9.3    | 1,009                                    | 9,064                                     | 307.6   |
| Pennsylvania             | 6,396                     | 6,183   | 1,039                            | 1,868  | 81     | 27.6  | 52.8  | 2.3    | 5,666                                    | 12,040                                    | 178.6   |
| East North Central:      |                           |         |                                  |        |        |       |       |        |                                          |                                           |         |
| Ohio                     | 8,603                     | 9,119   | 2,455                            | 2,382  | 73     | 48.5  | 93.6  | 2.9    | 2,443                                    | 17,151                                    | 355.7   |
| Indiana                  | 4,764                     | 4,823   | 1,469                            | 1,434  | 35     | 60.4  | 116.7 | 2.9    | 394                                      | 3,999                                     | 170.8   |
| Illinois                 | 10,440                    | 10,581  | 3,112                            | 3,414  | 198    | 60.0  | 111.8 | 6.7    | 3,111                                    | 12,003                                    | 212.4   |
| Michigan                 | 8,689                     | 7,460   | 2,723                            | 2,623  | 100    | 72.9  | 134.0 | 5.6    | 1,701                                    | 10,200                                    | 237.0   |
| Wisconsin                | 2,666                     | 2,402   | 990                              | 917    | 82     | 46.7  | 81.3  | 7.8    | 1,390                                    | 7,434                                     | 355.7   |
| West North Central:      |                           |         |                                  |        |        |       |       |        |                                          |                                           |         |
| Minnesota                | 2,592                     | 2,690   | 1,011                            | 969    | 42     | 53.7  | 100.5 | 4.6    | 1,006                                    | 6,317                                     | 345.6   |
| Iowa                     | 3,053                     | 3,006   | 826                              | 760    | 66     | 45.9  | 83.4  | 7.4    | 672                                      | 5,025                                     | 283.6   |
| Missouri                 | 4,579                     | 4,032   | 1,578                            | 1,543  | 35     | 57.4  | 112.6 | 2.5    | 1,045                                    | 4,795                                     | 180.3   |
| North Dakota             | 365                       | 363     | 240                              | 235    | 5      | 51.6  | 93.6  | 2.3    | 70                                       | 798                                       | 178.5   |
| South Dakota             | 580                       | 546     | 282                              | 273    | 9      | 58.0  | 105.8 | 3.9    | 133                                      | 761                                       | 162.5   |
| Nebraska                 | 1,263                     | 1,367   | 567                              | 530    | 37     | 56.7  | 103.7 | 7.0    | 344                                      | 2,516                                     | 259.4   |
| Kansas                   | 2,526                     | 2,563   | 1,032                            | 900    | 72     | 74.8  | 136.4 | 10.7   | 296                                      | 3,140                                     | 235.0   |
| South Atlantic:          |                           |         |                                  |        |        |       |       |        |                                          |                                           |         |
| Delaware <sup>2</sup>    |                           | 238     | 392                              | 359    | 33     | 219.0 | 394.5 | 37.5   | 453                                      | 1,777                                     | 1,020.3 |
| Maryland                 | 2,503                     | 2,588   | 2,853                            | 2,727  | 126    | 233.8 | 443.4 | 22.2   | 181                                      | 7,281                                     | 621.4   |
| Dist. of Columbia        | 1,048                     | 1,174   | 600                              | 600    |        | 150.0 | 315.8 |        | 238                                      | 4,307                                     | 1,115.1 |
| Virginia                 | 3,312                     | 3,323   | 1,714                            | 1,659  | 55     | 104.2 | 202.3 | 6.7    | 2,102                                    | 15,376                                    | 959.1   |
| West Virginia            | 2,042                     | 2,838   | 1,198                            | 1,166  | 32     | 102.0 | 192.2 | 5.6    | 707                                      | 5,978                                     | 539.3   |
| North Carolina           | 2,710                     | 2,871   | 1,103                            | 1,081  | 82     | 54.5  | 103.3 | 7.6    | 348                                      | 3,337                                     | 169.4   |
| South Carolina           | 1,104                     | 1,167   | 647                              | 595    | 52     | 58.8  | 112.8 | 0.1    | 919                                      | 1,969                                     | 184.0   |
| Georgia <sup>3</sup>     |                           |         |                                  |        |        |       |       |        | 2,778                                    | 10,551                                    | 555.5   |
| Florida                  | 2,951                     | 3,050   | 1,050                            | 997    | 53     | 89.7  | 170.6 | 8.9    | 2,742                                    | 4,952                                     | 480.1   |
| East South Central:      |                           |         |                                  |        |        |       |       |        |                                          |                                           |         |
| Kentucky                 | 3,439                     | 3,322   | 2,635                            | 2,475  | 60     | 142.3 | 276.0 | 6.8    | 736                                      | 7,827                                     | 453.7   |
| Tennessee                | 2,734                     | 2,672   | 1,433                            | 1,395  | 38     | 78.1  | 154.0 | 4.1    | 1,819                                    | 13,070                                    | 747.7   |
| Alabama <sup>3</sup>     |                           |         |                                  |        |        |       |       |        | 1,242                                    | 6,949                                     | 409.4   |
| Mississippi <sup>3</sup> |                           |         |                                  |        |        |       |       |        | 485                                      | 2,421                                     | 180.5   |
| West South Central:      |                           |         |                                  |        |        |       |       |        |                                          |                                           |         |
| Arkansas                 | 916                       | 1,417   | 1,067                            | 1,021  | 46     | 84.9  | 161.0 | 6.9    | 281                                      | 3,392                                     | 280.6   |
| Louisiana                | 2,530                     | 2,920   | 1,075                            | 1,034  | 41     | 72.5  | 140.8 | 5.5    | 741                                      | 6,626                                     | 474.9   |
| Oklahoma                 | 4,096                     | 4,110   | 2,394                            | 2,316  | 78     | 140.9 | 294.4 | 9.5    | 834                                      | 10,541                                    | 663.9   |
| Texas                    | 5,190                     | 5,347   | 2,953                            | 2,892  | 61     | 69.1  | 133.3 | 2.9    | 1,053                                    | 16,383                                    | 414.9   |
| Mountain:                |                           |         |                                  |        |        |       |       |        |                                          |                                           |         |
| Montana                  | 604                       | 589     | 291                              | 283    | 8      | 76.4  | 132.9 | 4.8    | 130                                      | 1,487                                     | 303.4   |
| Idaho                    | 274                       | 246     | 159                              | 159    |        | 51.8  | 95.8  |        | 272                                      | 828                                       | 276.0   |
| Wyoming                  | 312                       | 311     | 124                              | 124    |        | 74.7  | 131.9 |        | 48                                       | 314                                       | 199.7   |
| Colorado                 | 1,348                     | 1,257   | 871                              | 853    | 18     | 114.2 | 219.3 | 4.8    | 252                                      | 3,426                                     | 465.2   |
| New Mexico               | 526                       | 548     | 348                              | 337    | 11     | 123.4 | 229.3 | 8.1    | 30                                       | 564                                       | 210.4   |
| Arizona                  | 677                       | 615     | 310                              | 304    | 6      | 97.8  | 178.8 | 4.1    | 31                                       | 1,133                                     | 387.8   |
| Utah                     | 297                       | 310     | 184                              | 181    | 3      | 53.6  | 102.8 | 1.8    | 78                                       | 958                                       | 293.0   |
| Nevada                   | 229                       | 163     | 78                               | 76     | 2      | 106.8 | 172.7 | 6.9    | 78                                       | 409                                       | 592.6   |
| Pacific:                 |                           |         |                                  |        |        |       |       |        |                                          |                                           |         |
| Washington               | 1,901                     | 1,811   | 994                              | 977    | 17     | 80.2  | 148.7 | 2.9    | 342                                      | 4,904                                     | 417.7   |
| Oregon                   | 863                       | 796     | 422                              | 414    | 8      | 54.6  | 101.7 | 2.2    | 348                                      | 2,607                                     | 361.7   |
| California               | 8,393                     | 9,042   | 2,324                            | 2,240  | 84     | 46.5  | 86.4  | 3.5    | 3,567                                    | 17,895                                    | 408.3   |

<sup>1</sup> Figures include estimates for jails which did not submit definite reports, representing 10,175 prisoners present and 63,312 prisoners received. In other tables for jails these estimates are omitted.

<sup>2</sup> For 1933, the State prisoners in the New Castle County Workhouse were included in the report for jails.

<sup>3</sup> No report received from State prisons in this State.

Source: Bureau of the Census, Department of Commerce.

**No. 63.—STATE AND FEDERAL PRISONS AND REFORMATORIES AND COUNTY AND CITY JAILS: PRISONERS RECEIVED FROM COURTS, BY SEX AND OFFENSE**

| Offense                                               | State and Federal prisons (entire year) |                      |        |        |        |                      | County and city jails (6 mos. only), 1933 <sup>1</sup> |                      |
|-------------------------------------------------------|-----------------------------------------|----------------------|--------|--------|--------|----------------------|--------------------------------------------------------|----------------------|
|                                                       | 1933                                    |                      | 1934   |        |        |                      | Total                                                  | Percent <sup>2</sup> |
|                                                       | Total                                   | Percent <sup>2</sup> | Total  | Male   | Female | Percent <sup>2</sup> |                                                        |                      |
| All offenses.....                                     | 62,801                                  | 100.0                | 62,261 | 59,277 | 2,974  | 100.0                | 240,930                                                | 100.0                |
| Homicide.....                                         | 3,873                                   | 6.2                  | 4,123  | 3,812  | 311    | 6.6                  | 362                                                    | .2                   |
| Robbery.....                                          | 7,815                                   | 12.4                 | 7,118  | 7,006  | 112    | 11.5                 | 782                                                    | .3                   |
| Aggravated assault.....                               | 2,336                                   | 3.7                  | 2,440  | 2,315  | 125    | 3.0                  | 1,572                                                  | .7                   |
| Other assault.....                                    | 1,227                                   | 2.0                  | 1,185  | 1,128  | 57     | 1.9                  | 9,562                                                  | 4.2                  |
| Burglary.....                                         | 14,760                                  | 23.5                 | 13,486 | 13,388 | 98     | 21.7                 | 3,076                                                  | 1.3                  |
| Larceny, except auto theft.....                       | 10,355                                  | 16.5                 | 9,984  | 9,635  | 349    | 16.1                 | 22,771                                                 | 9.9                  |
| Auto theft.....                                       | 3,056                                   | 4.9                  | 3,452  | 3,421  | 31     | 5.6                  | 637                                                    | .3                   |
| Embezzlement and fraud.....                           | 2,048                                   | 3.3                  | 2,032  | 1,958  | 74     | 3.3                  | 3,496                                                  | 1.5                  |
| Stolen property.....                                  | 607                                     | 1.0                  | 664    | 627    | 37     | 1.1                  | 584                                                    | .3                   |
| Forgery.....                                          | 3,602                                   | 5.7                  | 3,509  | 3,378  | 131    | 5.6                  | 718                                                    | .3                   |
| Rape.....                                             | 1,436                                   | 2.3                  | 1,403  | 1,403  | —      | 2.3                  | 348                                                    | .2                   |
| Prostitution and commercialized vice.....             | 429                                     | .7                   | 414    | 180    | 225    | .7                   | 1,677                                                  | .7                   |
| Other sex offenses.....                               | 1,613                                   | 2.6                  | 1,720  | 1,284  | 436    | 2.8                  | 2,757                                                  | 1.2                  |
| Violating drug laws.....                              | 1,518                                   | 2.4                  | 1,762  | 1,542  | 220    | 2.8                  | 1,451                                                  | .6                   |
| Violating liquor laws.....                            | 3,475                                   | 5.5                  | 4,228  | 4,093  | 135    | 0.8                  | 17,121                                                 | 7.4                  |
| Carrying weapons, etc.....                            | 308                                     | .6                   | 430    | 422    | 8      | .7                   | 2,114                                                  | .9                   |
| Nonsupport or neglect.....                            | 494                                     | .8                   | 463    | 402    | 61     | .7                   | 2,386                                                  | 1.0                  |
| Violating traffic and motor-vehicle laws.....         | 333                                     | .5                   | 450    | 440    | 10     | .7                   | 16,211                                                 | 7.0                  |
| Driving while intoxicated.....                        | —                                       | —                    | —      | —      | —      | —                    | 3,984                                                  | 1.7                  |
| Violating road and driving laws.....                  | —                                       | —                    | —      | —      | —      | —                    | 2,987                                                  | 1.3                  |
| Violating other motor-vehicle laws.....               | —                                       | —                    | —      | —      | —      | —                    | 9,240                                                  | 4.0                  |
| Disorderly conduct and drunkenness <sup>3</sup> ..... | 1,024                                   | 1.6                  | 1,005  | 671    | 334    | 1.6                  | 120,980                                                | 52.6                 |
| Gambling.....                                         | 27                                      | —                    | 16     | 16     | —      | —                    | 2,510                                                  | 1.1                  |
| Other offenses.....                                   | 2,866                                   | 3.8                  | 2,250  | 2,036  | 214    | 3.6                  | 18,827                                                 | 8.2                  |
| Not reported.....                                     | 9                                       | —                    | 117    | 111    | 6      | —                    | 10,978                                                 | —                    |

<sup>1</sup> Figures include only jails which submitted definite reports, omitting estimates included in table 62.

<sup>2</sup> Based on number of prisoners for whom the offense was reported.

<sup>3</sup> Includes vagrancy.

**No. 64.—COUNTY AND CITY JAILS: PRISONERS DISCHARGED, BY OFFENSE AND TIME SERVED, 1933**

[Data not collected for 1934]

| Offense                                   | Total <sup>1</sup> | Under 5 days | 5 to 9 days | 10 to 19 days | 20 to 29 days | 1 mo.  | 2 mos. | 3 mos. | 4 and 5 mos. | 6 to 8 mos. | 9 to 11 mos. | 1 yr. and over |
|-------------------------------------------|--------------------|--------------|-------------|---------------|---------------|--------|--------|--------|--------------|-------------|--------------|----------------|
| All offenses.....                         | 237,534            | 44,098       | 35,126      | 57,068        | 25,998        | 34,800 | 18,984 | 8,512  | 8,085        | 3,681       | 2,400        | 2,871          |
| Homicide.....                             | 261                | 9            | 15          | 13            | 19            | 31     | 36     | 21     | 30           | 30          | 17           | 63             |
| Robbery.....                              | 777                | 38           | 50          | 78            | 35            | 70     | 63     | 58     | 72           | 71          | 75           | 155            |
| Aggravated assault.....                   | 1,416              | 70           | 79          | 140           | 108           | 243    | 186    | 127    | 144          | 127         | 100          | 78             |
| Other assault.....                        | 8,865              | 696          | 901         | 2,080         | 1,286         | 1,736  | 718    | 438    | 439          | 208         | 139          | 187            |
| Burglary.....                             | 2,008              | 149          | 128         | 221           | 170           | 374    | 299    | 220    | 369          | 277         | 243          | 391            |
| Larceny, except auto theft.....           | 22,521             | 1,451        | 1,905       | 4,231         | 3,079         | 4,925  | 2,107  | 1,264  | 1,349        | 663         | 647          | 673            |
| Auto theft.....                           | 479                | 23           | 34          | 44            | 27            | 61     | 68     | 48     | 60           | 47          | 22           | 39             |
| Embezzlement and fraud.....               | 3,339              | 222          | 282         | 602           | 317           | 667    | 410    | 218    | 325          | 120         | 83           | 73             |
| Stolen property.....                      | 519                | 35           | 48          | 79            | 60            | 103    | 55     | 42     | 41           | 27          | 10           | 15             |
| Forgery.....                              | 767                | 29           | 42          | 51            | 35            | 106    | 79     | 63     | 123          | 79          | 88           | 64             |
| Rape.....                                 | 347                | 15           | 16          | 25            | 16            | 31     | 34     | 27     | 45           | 39          | 37           | 58             |
| Prostitution and commercialized vice..... | 1,578              | 231          | 134         | 311           | 187           | 402    | 94     | 73     | 66           | 29          | 17           | 25             |
| Other sex offenses.....                   | 2,639              | 263          | 206         | 589           | 359           | 430    | 220    | 138    | 175          | 70          | 54           | 70             |
| Violating drug laws.....                  | 1,439              | 252          | 52          | 61            | 62            | 119    | 116    | 296    | 179          | 45          | 64           | 176            |
| Carrying weapons, etc.....                | 2,199              | 117          | 114         | 213           | 207           | 526    | 280    | 160    | 223          | 120         | 110          | 125            |
| Nonsupport or neglect.....                | 2,581              | 170          | 181         | 217           | 232           | 368    | 299    | 800    | 365          | 154         | 197          | 88             |
| Violating liquor laws.....                | 17,924             | 985          | 801         | 1,738         | 1,718         | 4,983  | 2,819  | 1,912  | 1,849        | 649         | 162          | 77             |
| Driving while intoxicated.....            | 3,789              | 510          | 309         | 930           | 414           | 947    | 329    | 196    | 89           | 33          | 10           | —              |
| Violating road and driving laws.....      | 2,928              | 1,374        | 524         | 489           | 203           | 220    | 53     | 29     | 14           | 4           | —            | 4              |
| Violating other motor-vehicle laws.....   | 9,280              | 4,743        | 1,063       | 1,120         | 669           | 800    | 318    | 205    | 173          | 76          | 67           | 20             |
| Disorderly conduct and drunkenness.....   | 103,032            | 18,058       | 22,215      | 31,719        | 11,371        | 11,428 | 2,622  | 1,356  | 787          | 168         | 38           | 34             |
| Vagrancy.....                             | 10,544             | 1,987        | 2,417       | 5,832         | 3,181         | 3,141  | 1,729  | 580    | 506          | 76          | 24           | 25             |
| Gambling.....                             | 2,455              | 500          | 453         | 958           | 159           | 199    | 68     | 39     | 27           | 40          | —            | 4              |
| Other offenses.....                       | 17,804             | 3,084        | 2,869       | 4,806         | 1,530         | 2,525  | 820    | 632    | 498          | 383         | 167          | 205            |
| Not reported.....                         | 11,083             | 9,104        | 287         | 526           | 254           | 365    | 162    | 116    | 137          | 46          | 31           | 16             |

<sup>1</sup> Includes 1,132 prisoners for whom time served was not reported.

Source of tables 63 and 64: Bureau of the Census, Department of Commerce.

# No. 65.—MOVEMENT OF POPULATION IN STATE AND FEDERAL PRISONS AND REFORMATORIES: By Sex, 1934

| Item                                           | Total   | Male    | Female | Item                                         | Total   | Male    | Female |
|------------------------------------------------|---------|---------|--------|----------------------------------------------|---------|---------|--------|
| Prisoners present Jan. 1.....                  | 136,810 | 132,520 | 4,290  | Discharges during year—                      |         |         |        |
| In institutions.....                           | 117,704 | 113,722 | 3,982  | Continued.....                               |         |         |        |
| Outside institutions.....                      | 19,106  | 18,798  | 308    | Paroled.....                                 | 32,456  | 30,892  | 1,564  |
| Admissions during year.....                    | 76,542  | 72,937  | 3,605  | Conditional release.....                     | 3,071   | 2,904   | 167    |
| Received from courts.....                      | 62,251  | 59,277  | 2,974  | Pardoned.....                                | 1,735   | 1,693   | 42     |
| Parole violators returned.....                 |         |         |        | Otherwise released.....                      | 2,587   | 2,364   | 233    |
| Escaped prisoners recaptured.....              | 4,154   | 3,939   | 215    | Executed.....                                | 120     | 119     | 1      |
| Transferred from other penal institutions..... | 1,414   | 1,315   | 99     | Died.....                                    | 943     | 920     | 23     |
| Other admissions.....                          | 7,726   | 7,550   | 176    | Escaped.....                                 | 1,520   | 1,420   | 100    |
|                                                | 907     | 856     | 141    | Transferred to other penal institutions..... | 9,230   | 9,124   | 106    |
| Discharges during year.....                    | 65,902  | 62,750  | 3,152  | Prisoners present Dec. 31.....               | 133,220 | 133,583 | 4,637  |
| Sentence expired.....                          | 23,470  | 22,448  | 1,022  | In institutions.....                         | 119,097 | 114,795 | 4,302  |
|                                                |         |         |        | Outside institutions.....                    | 19,123  | 18,788  | 335    |

Source: Bureau of the Census, Department of Commerce.

# No. 66.—STATE AND FEDERAL PRISONS AND REFORMATORIES: PRISONERS DISCHARGED BY OFFENSE, SENTENCE, AND TIME SERVED, 1934

| Offense and sentence            | Total   | Time served  |              |         |         |         |         |         |              |                |                |                   |              |
|---------------------------------|---------|--------------|--------------|---------|---------|---------|---------|---------|--------------|----------------|----------------|-------------------|--------------|
|                                 |         | Under 6 mos. | 6 to 11 mos. | 1 years | 2 years | 3 years | 4 years | 5 years | 6 to 9 years | 10 to 19 years | 20 to 29 years | 30 years and over | Not reported |
| All offenses.....               | 65,902  | 5,544        | 13,686       | 22,409  | 9,894   | 5,593   | 2,681   | 2,057   | 2,836        | 912            | 57             | 5                 | 129          |
| Homicide.....                   | 3,510   | 153          | 305          | 675     | 490     | 357     | 227     | 229     | 519          | 473            | 49             | 5                 | 28           |
| Robbery.....                    | 7,386   | 174          | 398          | 1,635   | 1,567   | 1,185   | 846     | 615     | 921          | 201            | 2              |                   | 12           |
| Aggravated assault.....         | 2,244   | 205          | 586          | 704     | 303     | 164     | 106     | 73      | 84           | 15             | 1              |                   | 3            |
| Other assault.....              | 1,184   | 287          | 267          | 369     | 115     | 71      | 34      | 22      | 13           | 3              |                |                   | 3            |
| Burglary.....                   | 15,336  | 588          | 2,620        | 6,544   | 2,562   | 1,322   | 642     | 423     | 522          | 93             |                |                   | 20           |
| Larceny, except auto theft..... | 11,374  | 933          | 3,206        | 4,327   | 1,381   | 760     | 331     | 168     | 233          | 10             |                |                   | 25           |
| Auto theft.....                 | 3,650   | 197          | 653          | 1,366   | 747     | 342     | 153     | 108     | 76           | 7              |                |                   | 1            |
| Embezzlement and fraud.....     | 2,172   | 227          | 699          | 712     | 268     | 157     | 66      | 22      | 15           |                |                |                   | 6            |
| Stolen property.....            | 616     | 43           | 183          | 226     | 75      | 43      | 16      | 5       | 21           |                |                |                   | 1            |
| Forgery.....                    | 4,279   | 154          | 941          | 1,624   | 752     | 368     | 167     | 131     | 126          | 8              |                |                   | 9            |
| Rape.....                       | 1,378   | 46           | 162          | 392     | 203     | 168     | 92      | 111     | 136          | 63             | 3              |                   | 2            |
| Other sex offenses.....         | 2,154   | 194          | 451          | 737     | 333     | 176     | 77      | 58      | 98           | 25             |                |                   | 5            |
| Violating drug laws.....        | 1,664   | 32           | 432          | 679     | 267     | 117     | 17      | 8       | 10           | 1              |                |                   | 1            |
| Violating liquor laws.....      | 3,862   | 1,103        | 1,584        | 853     | 232     | 59      | 15      | 8       |              |                |                |                   | 8            |
| Other offenses.....             | 4,992   | 1,291        | 1,163        | 1,462   | 552     | 293     | 84      | 73      | 59           | 9              | 1              |                   | 5            |
| Not reported.....               | 201     | 17           | 36           | 74      | 44      | 11      | 8       | 3       | 3            | 4              | 1              |                   |              |
| DEFINITE SENTENCE ONLY          |         |              |              |         |         |         |         |         |              |                |                |                   |              |
| Total.....                      | 135,786 | 4,276        | 9,517        | 10,989  | 4,882   | 2,444   | 1,011   | 877     | 1,190        | 477            | 46             | 4                 | 82           |
| Under 1 year.....               | 3,788   | 3,074        | 705          | 2       | 2       |         |         |         |              |                |                |                   | 5            |
| 1 year.....                     | 9,844   | 572          | 7,453        | 1,805   | 1       |         |         |         |              |                |                |                   | 13           |
| 2 years.....                    | 7,970   | 296          | 883          | 6,370   | 404     | 2       |         |         |              |                |                |                   | 16           |
| 3 years.....                    | 4,073   | 109          | 195          | 1,738   | 1,871   | 162     |         |         | 2            |                |                |                   | 6            |
| 4 years.....                    | 1,368   | 25           | 34           | 259     | 662     | 334     | 51      | 1       |              |                |                |                   | 2            |
| 5 years.....                    | 3,555   | 65           | 103          | 474     | 1,411   | 1,174   | 256     | 61      | 2            |                |                |                   | 9            |
| 6 to 9 years.....               | 1,817   | 24           | 22           | 103     | 304     | 536     | 451     | 247     | 121          |                |                |                   | 3            |
| 10 years.....                   | 1,345   | 19           | 28           | 69      | 102     | 166     | 133     | 423     | 401          | 19             |                |                   | 1            |
| 11 to 14 years.....             | 326     | 5            | 6            | 6       | 16      | 17      | 26      | 44      | 188          | 18             |                |                   | 1            |
| 15 to 19 years.....             | 411     | 5            | 6            | 18      | 23      | 21      | 26      | 43      | 208          | 61             |                |                   |              |
| 20 to 29 years.....             | 420     | 8            | 14           | 38      | 29      | 19      | 26      | 25      | 129          | 126            | 3              |                   |              |
| 30 to 39 years.....             | 113     | 2            | 5            | 7       | 6       | 7       | 6       | 5       | 25           | 45             | 4              |                   | 1            |
| 40 years.....                   | 67      | 6            | 3            | 7       | 5       | 1       | 4       | 7       | 10           | 21             | 2              |                   |              |
| Life.....                       | 515     | 16           | 20           | 50      | 40      | 21      | 24      | 16      | 101          | 184            | 37             | 3                 | 3            |
| Minority.....                   | 51      | 4            | 7            | 15      | 7       | 2       | 8       | 5       | 3            |                |                |                   |              |

<sup>1</sup> Includes 133 prisoners who had been received under a death sentence.

Source: Bureau of the Census, Department of Commerce.

## No. 67.—JUVENILE DELINQUENTS IN STATE INSTITUTIONS: By STATES, 1933

| State               | Present<br>January 1 | Received from courts |        |             | State               | Present<br>January 1 | Received from courts |      |             |
|---------------------|----------------------|----------------------|--------|-------------|---------------------|----------------------|----------------------|------|-------------|
|                     |                      | Total                | Male   | Fe-<br>male |                     |                      | Total                | Male | Fe-<br>male |
| United States.....  | 30,496               | 17,017               | 13,153 | 3,864       | South Atlantic—Con. |                      |                      |      |             |
| New England:        |                      |                      |        |             | Virginia.....       | 749                  | 405                  | 305  | 100         |
| Maine.....          | 335                  | 101                  | 73     | 28          | West Virginia.....  | 612                  | 361                  | 253  | 88          |
| New Hampshire.....  | 125                  | 50                   | 35     | 21          | North Carolina..... | 1,120                | 514                  | 392  | 122         |
| Vermont.....        | 253                  | 74                   | 54     | 20          | South Carolina..... | 400                  | 235                  | 227  | 8           |
| Massachusetts.....  | 787                  | 570                  | 441    | 129         | Georgia.....        | 729                  | 572                  | 500  | 72          |
| Rhode Island.....   | 232                  | 248                  | 230    | 18          | Florida.....        | 498                  | 355                  | 315  | 49          |
| Connecticut.....    | 594                  | 190                  | 127    | 63          | East South Central: |                      |                      |      |             |
| Middle Atlantic:    |                      |                      |        |             | Kentucky.....       | 1,105                | 396                  | 291  | 105         |
| New York.....       | 1,967                | 872                  | 696    | 176         | Tennessee.....      | 470                  | 279                  | 211  | 68          |
| New Jersey.....     | 1,133                | 1,573                | 1,300  | 273         | Alabama.....        | 907                  | 412                  | 345  | 67          |
| Pennsylvania.....   | 2,628                | 860                  | 629    | 237         | Mississippi.....    | 215                  | 157                  | 108  | 54          |
| East North Central: |                      |                      |        |             | West South Central: |                      |                      |      |             |
| Ohio.....           | 1,584                | 1,132                | 878    | 304         | Arkansas.....       | 206                  | 321                  | 250  | 71          |
| Indiana.....        | 775                  | 206                  | 206    | 90          | Louisiana.....      | 171                  | 84                   | 58   | 26          |
| Illinois.....       | 850                  | 506                  | 335    | 170         | Oklahoma.....       | 615                  | 396                  | 225  | 171         |
| Michigan.....       | 951                  | 398                  | 293    | 105         | Texas.....          | 1,192                | 593                  | 492  | 131         |
| Wisconsin.....      | 643                  | 294                  | 204    | 90          | Mountain:           |                      |                      |      |             |
| West North Central: |                      |                      |        |             | Montana.....        | 276                  | 62                   | 61   | 31          |
| Minnesota.....      | 734                  | 661                  | 430    | 231         | Idaho.....          | 41                   | 3                    | 2    | 1           |
| Iowa.....           | 721                  | 231                  | 228    | 53          | Wyoming.....        | 157                  | 46                   | 32   | 14          |
| Missouri.....       | 1,255                | 472                  | 377    | 95          | Colorado.....       | 403                  | 219                  | 140  | 79          |
| North Dakota.....   | 245                  | 101                  | 75     | 26          | New Mexico.....     | 164                  | 127                  | 105  | 22          |
| South Dakota.....   | 161                  | 62                   | 49     | 13          | Arizona.....        | 78                   | 148                  | 127  | 21          |
| Nebraska.....       | 447                  | 158                  | 98     | 60          | Utah.....           | 153                  | 54                   | 39   | 15          |
| Kansas.....         | 355                  | 194                  | 142    | 52          | Nevada.....         | 25                   | 12                   | 12   | -----       |
| South Atlantic:     |                      |                      |        |             | Pacific:            |                      |                      |      |             |
| Delaware.....       | 527                  | 79                   | 41     | 38          | Washington.....     | 186                  | 184                  | 184  | -----       |
| Maryland.....       | 762                  | 372                  | 316    | 56          | Oregon.....         | 166                  | 119                  | 94   | 25          |
| Dist. of Col.....   | 603                  | 417                  | 373    | 44          | California.....     | 1,157                | 900                  | 778  | 122         |

No. 68.—JUVENILE DELINQUENTS RECEIVED FROM COURTS: By OFFENSE  
SEX, AND AGE, 1933

| Offense                                           | Total  | Sex    |             | Age (years) |       |       |       |       |       |       |       |                 |  |
|---------------------------------------------------|--------|--------|-------------|-------------|-------|-------|-------|-------|-------|-------|-------|-----------------|--|
|                                                   |        | Male   | Fe-<br>male | Under<br>12 | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19<br>and<br>20 |  |
| All offenses.....                                 | 17,017 | 13,153 | 3,864       | 1,137       | 1,246 | 1,877 | 2,834 | 3,733 | 3,186 | 2,042 | 593   | 369             |  |
| Homicide.....                                     | 57     | 55     | 2           | 2           | 3     | 5     | 11    | 6     | 14    | 9     | 2     | 5               |  |
| Robbery.....                                      | 247    | 245    | 2           | 2           | 4     | 14    | 13    | 39    | 50    | 62    | 22    | 41              |  |
| Assault.....                                      | 222    | 209    | 13          | 10          | 13    | 16    | 21    | 61    | 51    | 33    | 13    | 4               |  |
| Burglary.....                                     | 2,177  | 2,166  | 11          | 95          | 121   | 200   | 277   | 419   | 478   | 351   | 141   | 95              |  |
| Larceny, except auto theft.....                   | 3,876  | 3,727  | 149         | 322         | 361   | 490   | 674   | 796   | 654   | 375   | 139   | 65              |  |
| Auto theft.....                                   | 579    | 579    | -----       | 2           | 7     | 22    | 56    | 128   | 163   | 134   | 36    | 31              |  |
| Forgery.....                                      | 78     | 74     | 4           | -----       | 1     | 3     | 4     | 7     | 23    | 19    | 12    | 10              |  |
| Rape.....                                         | 79     | 79     | -----       | -----       | 1     | 3     | 7     | 25    | 21    | 11    | 4     | 7               |  |
| Other sex offenses.....                           | 209    | 63     | 146         | 3           | 7     | 9     | 29    | 57    | 49    | 41    | 8     | 6               |  |
| Carrying, etc., deadly weapons.....               | 41     | 41     | -----       | -----       | 1     | ----- | ----- | 7     | 17    | 12    | 2     | 2               |  |
| Violations of liquor laws.....                    | 58     | 58     | -----       | 1           | ----- | ----- | 5     | 16    | 13    | 11    | 5     | 7               |  |
| Violations of traffic and motor vehicle laws..... | 26     | 26     | -----       | -----       | ----- | ----- | ----- | 3     | 6     | 12    | 4     | 1               |  |
| Disorderly conduct and vagrancy.....              | 202    | 163    | 39          | 9           | 16    | 19    | 29    | 44    | 40    | 29    | 6     | 10              |  |
| Drunkenness.....                                  | 46     | 23     | 23          | 2           | 2     | 1     | 4     | 9     | 17    | 7     | 2     | 2               |  |
| All other offenses.....                           | 375    | 355    | 20          | 35          | 19    | 32    | 56    | 55    | 67    | 72    | 23    | 16              |  |
| Other reasons:                                    |        |        |             |             |       |       |       |       |       |       |       |                 |  |
| Violation of parole or probation.....             | 246    | 183    | 63          | 32          | 29    | 26    | 50    | 56    | 34    | 13    | 6     | -----           |  |
| Immorality and sex delinquency.....               | 553    | 66     | 487         | 6           | 16    | 49    | 82    | 136   | 122   | 120   | 19    | 3               |  |
| In danger of leading immoral life.....            | 133    | 12     | 121         | 3           | 6     | 15    | 21    | 28    | 32    | 11    | 7     | 5               |  |
| Running away.....                                 | 361    | 184    | 177         | 22          | 22    | 48    | 90    | 88    | 56    | 32    | 2     | 1               |  |
| Incorrigibility.....                              | 2,556  | 1,672  | 977         | 195         | 182   | 292   | 462   | 539   | 554   | 263   | 52    | 17              |  |
| Delinquency.....                                  | 4,075  | 2,572  | 1,503       | 286         | 319   | 503   | 735   | 1,014 | 657   | 393   | 76    | 37              |  |
| Truancy from school.....                          | 403    | 370    | 33          | 43          | 60    | 57    | 87    | 130   | 15    | 8     | ----- | -----           |  |
| Other reasons.....                                | 418    | 324    | 94          | 62          | 57    | 68    | 71    | 70    | 50    | 24    | 12    | 4               |  |

Source of tables 67 and 68: Bureau of the Census, Department of Commerce.

## No. 69.—CHILDREN UNDER INSTITUTIONAL CARE: By TYPE OF CARE, BY STATES, DECEMBER 31, 1933

| State          | Total   | Insti-<br>tution | Foster home |               |              | State          | Total | Insti-<br>tution | Foster home |               |              |
|----------------|---------|------------------|-------------|---------------|--------------|----------------|-------|------------------|-------------|---------------|--------------|
|                |         |                  | Free        | Board-<br>ing | Work-<br>ing |                |       |                  | Free        | Board-<br>ing | Work-<br>ing |
| U. S.....      | 242,929 | 140,352          | 51,538      | 66,350        | 4,689        | S. Atl.—Con.   |       |                  |             |               |              |
| N. England:    |         |                  |             |               |              | Va.....        | 3,448 | 2,087            | 1,075       | 258           | 30           |
| Maine.....     | 3,096   | 904              | 445         | 1,659         | 85           | W. Va.....     | 2,249 | 1,209            | 978         | 80            | 2            |
| N. H.....      | 1,351   | 968              | 62          | 255           | 96           | N. C.....      | 4,238 | 3,941            | 228         | 62            | 7            |
| Vt.....        | 1,141   | 503              | 359         | 268           | 16           | S. C.....      | 2,128 | 1,959            | 149         | 19            | 1            |
| Mass.....      | 12,369  | 2,472            | 1,324       | 7,952         | 620          | Ga.....        | 2,072 | 1,773            | 115         | 176           | 8            |
| R. I.....      | 2,445   | 1,229            | 171         | 938           | 62           | Fla.....       | 1,733 | 1,288            | 460         | 35            | ---          |
| Conn.....      | 5,073   | 2,511            | 268         | 2,100         | 134          | E. S. Central: |       |                  |             |               |              |
| Mid. Atlantic: |         |                  |             |               |              | Ky.....        | 3,805 | 2,874            | 362         | 537           | 32           |
| N. Y.....      | 47,937  | 25,235           | 3,174       | 19,026        | 502          | Tenn.....      | 3,388 | 2,902            | 338         | 129           | 19           |
| N. J.....      | 7,252   | 3,086            | 724         | 3,233         | 204          | Ala.....       | 1,881 | 1,189            | 984         | 323           | 5            |
| Pa.....        | 29,737  | 16,900           | 2,662       | 9,570         | 515          | Miss.....      | 1,238 | 545              | 689         | 1             | 3            |
| E. N. Central: |         |                  |             |               |              | W. S. Central: |       |                  |             |               |              |
| Ohio.....      | 18,962  | 10,976           | 2,255       | 5,274         | 457          | Ark.....       | 598   | 562              | 17          | 6             | 13           |
| Ind.....       | 7,876   | 4,817            | 1,952       | 1,073         | 29           | La.....        | 2,193 | 1,994            | 133         | 36            | 30           |
| Ill.....       | 15,452  | 10,301           | 1,898       | 2,836         | 417          | Okl.....       | 2,487 | 2,241            | 230         | 11            | 5            |
| Mich.....      | 6,499   | 2,703            | 1,652       | 1,957         | 187          | Tex.....       | 5,685 | 5,074            | 311         | 273           | 27           |
| Wis.....       | 5,116   | 2,354            | 957         | 1,055         | 250          | Mountain:      |       |                  |             |               |              |
| W. N. Central: |         |                  |             |               |              | Mont.....      | 1,126 | 830              | 238         | 40            | 18           |
| Minn.....      | 5,018   | 1,563            | 1,752       | 1,409         | 294          | Idaho.....     | 422   | 168              | 168         | 85            | 6            |
| Iowa.....      | 2,961   | 2,012            | 532         | 71            | 46           | Wyo.....       | 318   | 135              | 135         | 21            | 27           |
| Mo.....        | 5,793   | 4,029            | 1,096       | 597           | 73           | Colo.....      | 2,207 | 1,911            | 137         | 126           | 33           |
| N. Dak.....    | 483     | 285              | 128         | 56            | 14           | N. Mex.....    | 394   | 387              | ---         | 6             | 1            |
| S. Dak.....    | 890     | 763              | 138         | 4             | ---          | Ariz.....      | 411   | 360              | 21          | 28            | 2            |
| Nebr.....      | 1,612   | 1,092            | 437         | 38            | 45           | Utah.....      | 351   | 134              | 74          | 142           | 1            |
| Kans.....      | 2,057   | 1,234            | 714         | 89            | 20           | Nev.....       | 89    | 89               | ---         | ---           | ---          |
| S. Atlantic:   |         |                  |             |               |              | Pacific:       |       |                  |             |               |              |
| Dal.....       | 568     | 224              | 235         | 97            | 2            | Wash.....      | 1,953 | 1,502            | 313         | 127           | 11           |
| Md.....        | 4,249   | 2,283            | 642         | 1,227         | 97           | Oreg.....      | 1,420 | 802              | 204         | 289           | 35           |
| Dist. of Col.  | 1,923   | 914              | 150         | 820           | 44           | Calif.....     | 7,146 | 4,448            | 686         | 1,845         | 164          |

Source: Bureau of the Census, Department of Commerce.

## No. 70.—CHILDREN UNDER INSTITUTIONAL CARE: By AGE, SEX, TYPE OF CARE, COLOR, AND YEARS UNDER CARE, DECEMBER 31, 1933

| Item                | Total   | Sex     |         | Age (years) |        |        |          |           |           |          |  |     | Un-known |
|---------------------|---------|---------|---------|-------------|--------|--------|----------|-----------|-----------|----------|--|-----|----------|
|                     |         | Male    | Female  | Under 1     | 1 to 5 | 6 to 9 | 10 to 13 | 14 and 15 | 16 and 17 | 18 to 20 |  |     |          |
| Total.....          | 242,929 | 128,982 | 113,947 | 6,269       | 36,397 | 57,092 | 78,329   | 32,705    | 20,740    | 10,030   |  | 867 |          |
| Type of care:       |         |         |         |             |        |        |          |           |           |          |  |     |          |
| Institution.....    | 140,352 | 75,677  | 64,675  | 2,747       | 14,720 | 35,028 | 52,334   | 20,190    | 10,801    | 3,919    |  | 613 |          |
| Foster home.....    | 31,538  | 16,634  | 15,904  | 1,810       | 6,879  | 5,114  | 6,456    | 3,911     | 4,316     | 2,937    |  | 115 |          |
| Boarding home.....  | 66,350  | 35,922  | 30,428  | 1,708       | 15,273 | 16,902 | 19,429   | 8,143     | 3,721     | 1,066    |  | 118 |          |
| Working home.....   | 4,689   | 1,749   | 2,940   | 4           | 25     | 48     | 110      | 461       | 1,902     | 2,118    |  | 21  |          |
| Sex:                |         |         |         |             |        |        |          |           |           |          |  |     |          |
| Male.....           | 128,982 | 128,982 | -----   | 3,312       | 20,005 | 30,999 | 42,202   | 17,013    | 10,193    | 4,822    |  | 436 |          |
| Female.....         | 113,947 | -----   | 113,947 | 2,957       | 16,392 | 26,093 | 36,127   | 15,692    | 10,547    | 5,208    |  | 431 |          |
| Color:              |         |         |         |             |        |        |          |           |           |          |  |     |          |
| White.....          | 222,788 | 119,078 | 103,710 | 5,915       | 33,516 | 51,836 | 71,577   | 30,314    | 19,809    | 9,413    |  | 708 |          |
| Negro.....          | 15,853  | 8,213   | 7,665   | 286         | 2,913  | 4,063  | 5,138    | 1,890     | 963       | 496      |  | 84  |          |
| Other races.....    | 4,268   | 1,686   | 2,572   | 68          | 468    | 1,193  | 1,564    | 501       | 268       | 121      |  | 75  |          |
| Time under care:    |         |         |         |             |        |        |          |           |           |          |  |     |          |
| Under 1 year.....   | 48,564  | 25,831  | 22,733  | 6,269       | 11,684 | 13,334 | 11,721   | 3,387     | 1,400     | 517      |  | 252 |          |
| 1 year.....         | 37,156  | 19,745  | 17,411  | -----       | 10,418 | 10,776 | 10,620   | 3,210     | 1,572     | 413      |  | 147 |          |
| 2 years.....        | 32,985  | 17,726  | 15,269  | -----       | 7,020  | 9,349  | 10,889   | 3,577     | 1,661     | 413      |  | 86  |          |
| 3 years.....        | 29,240  | 15,480  | 13,780  | -----       | 4,869  | 7,878  | 10,546   | 3,708     | 1,901     | 687      |  | 91  |          |
| 4 years.....        | 22,324  | 11,847  | 10,477  | -----       | 2,351  | 5,533  | 8,731    | 3,242     | 1,786     | 637      |  | 44  |          |
| 5 to 9 years.....   | 57,282  | 30,178  | 27,064  | -----       | 1,027  | 10,159 | 22,483   | 11,979    | 7,989     | 3,495    |  | 120 |          |
| 10 to 13 years..... | 11,622  | 6,114   | 5,578   | -----       | -----  | -----  | 3,201    | 3,087     | 8,184     | 2,249    |  | 21  |          |
| 14 to 20 years..... | 3,247   | 1,820   | 1,427   | -----       | -----  | -----  | -----    | 500       | 1,158     | 1,580    |  | 9   |          |
| Not reported.....   | 479     | 261     | 218     | -----       | 28     | 63     | 138      | 65        | 49        | 39       |  | 97  |          |

Source: Bureau of the Census, Department of Commerce.

### No. 71.—CHILDREN UNDER INSTITUTIONAL CARE: BY SEX AND PRESENT WHEREABOUTS OF FATHER AND MOTHER, DECEMBER 31, 1933

| Present whereabouts of father or mother | Total    | Male     | Female   | Present whereabouts of father or mother | Total   | Male    | Female  |
|-----------------------------------------|----------|----------|----------|-----------------------------------------|---------|---------|---------|
| Total.....                              | 242, 929 | 128, 932 | 113, 947 | Legitimate children—Con.                |         |         |         |
| Legitimate children.....                | 211, 153 | 111, 581 | 99, 572  | Father living, mother unknown.....      | 6, 119  | 3, 355  | 2, 764  |
| Both parents dead.....                  | 21, 834  | 11, 319  | 10, 515  | Mother living, father unknown.....      | 21, 237 | 11, 469 | 9, 768  |
| Father dead.....                        | 38, 223  | 21, 006  | 17, 217  | Both parents unknown.....               | 21, 875 | 11, 741 | 10, 134 |
| Mother living.....                      | 31, 302  | 17, 368  | 13, 934  | Illegitimate children.....              | 31, 770 | 17, 401 | 14, 375 |
| Mother unknown.....                     | 6, 921   | 3, 638   | 3, 283   | Mother dead.....                        | 1, 815  | 971     | 844     |
| Father dead.....                        | 51, 955  | 28, 580  | 23, 385  | Mother living.....                      | 20, 630 | 11, 130 | 9, 500  |
| Father living.....                      | 38, 414  | 19, 549  | 18, 865  | Mother unknown.....                     | 9, 331  | 5, 300  | 4, 031  |
| Father unknown.....                     | 13, 551  | 7, 031   | 6, 520   |                                         |         |         |         |
| Both parents living.....                | 42, 900  | 22, 111  | 20, 789  |                                         |         |         |         |

### No. 72.—BLIND AND DEAFMUTES: 1890 TO 1930

NOTE.—Variations in the number of blind and deafmutes are due in large part to changes in methods of enumeration. For a full discussion of methods used and other factors affecting the accuracy of the data, see report of the Bureau of the Census, "The Blind and Deafmutes in the United States, 1930"

| Race           | Blind   |         |         | Deafmutes <sup>1</sup> |         |         | Age              | Blind   |         |         | Deafmutes |        |        |
|----------------|---------|---------|---------|------------------------|---------|---------|------------------|---------|---------|---------|-----------|--------|--------|
|                | Total   | Male    | Female  | Total                  | Male    | Female  |                  | Total   | Male    | Female  | Total     | Male   | Female |
| 1890.....      | 50, 568 | 28, 080 | 22, 488 | 40, 592                | 22, 429 | 18, 163 | 1930, by age:    |         |         |         |           |        |        |
| 1900.....      | 64, 763 | 37, 054 | 27, 709 | 34, 369                | 13, 495 | 10, 874 | Under 5.....     | 505     | 284     | 221     | 919       | 501    | 418    |
| 1910.....      | 57, 272 | 32, 443 | 24, 829 | 44, 708                | 10, 507 | 8, 646  | 5 to 9.....      | 1, 113  | 645     | 465     | 3, 950    | 2, 082 | 1, 868 |
| 1920.....      | 52, 667 | 30, 160 | 22, 407 | 44, 885                | 19, 166 | 15, 860 | 10 to 14.....    | 1, 815  | 1, 042  | 773     | 6, 262    | 3, 324 | 2, 938 |
| 1930.....      | 63, 593 | 36, 585 | 27, 008 | 57, 123                | 26, 267 | 27, 856 | 15 to 19.....    | 2, 040  | 1, 172  | 868     | 5, 674    | 3, 053 | 2, 621 |
| White.....     | 52, 924 | 30, 302 | 22, 622 | 52, 133                | 26, 664 | 25, 469 | 20 to 24.....    | 1, 971  | 1, 187  | 784     | 4, 708    | 2, 470 | 2, 238 |
| Negro.....     | 9, 169  | 5, 422  | 3, 747  | 4, 202                 | 2, 164  | 2, 038  | 25 to 44.....    | 10, 072 | 6, 335  | 3, 737  | 16, 801   | 8, 626 | 8, 175 |
| Mexican.....   | 784     | 450     | 334     | 410                    | 216     | 194     | 45 to 64.....    | 17, 855 | 11, 171 | 6, 684  | 12, 343   | 6, 144 | 6, 199 |
| Indian.....    | 681     | 380     | 301     | 283                    | 168     | 115     | 65 and over..... | 28, 152 | 14, 708 | 13, 447 | 6, 388    | 3, 027 | 3, 361 |
| All other..... | 35      | 31      | 4       | 35                     | 25      | 10      | Unknown.....     | 70      | 41      | 29      | 78        | 40     | 38     |

<sup>1</sup> Figures for 1900 and male and female for 1910 and 1920 cover the returns on special schedules only.

### No. 73.—BLIND AND DEAFMUTES IN THE POPULATION: BY STATES, 1930

[Ratio equals number per 100,000 of population]

| State                  | Blind   |       | Deafmutes |       | State               | Blind  |       | Deafmutes |       |
|------------------------|---------|-------|-----------|-------|---------------------|--------|-------|-----------|-------|
|                        | Number  | Ratio | Number    | Ratio |                     | Number | Ratio | Number    | Ratio |
| United States.....     | 63, 593 | 51.8  | 57, 123   | 46.6  | S. Atlantic—Contd.  |        |       |           |       |
| New England:           |         |       |           |       | Virginia.....       | 1, 405 | 58.0  | 1, 373    | 56.7  |
| Maine.....             | 626     | 78.5  | 444       | 55.7  | West Virginia.....  | 814    | 47.1  | 791       | 45.7  |
| New Hampshire.....     | 251     | 53.9  | 222       | 47.7  | North Carolina..... | 1, 318 | 41.6  | 1, 334    | 42.1  |
| Vermont.....           | 223     | 62.0  | 214       | 59.5  | South Carolina..... | 1, 023 | 59.1  | 846       | 48.7  |
| Massachusetts.....     | 1, 924  | 45.8  | 1, 820    | 42.8  | Georgia.....        | 1, 788 | 61.5  | 1, 288    | 44.3  |
| Rhode Island.....      | 347     | 50.5  | 339       | 49.3  | Florida.....        | 816    | 55.6  | 725       | 49.4  |
| Connecticut.....       | 581     | 36.2  | 568       | 35.3  | East South Central: |        |       |           |       |
| Middle Atlantic:       |         |       |           |       | Kentucky.....       | 1, 677 | 75.6  | 1, 318    | 50.3  |
| New York.....          | 4, 415  | 35.1  | 5, 373    | 42.7  | Tennessee.....      | 1, 640 | 58.9  | 1, 426    | 54.5  |
| New Jersey.....        | 1, 222  | 30.2  | 1, 324    | 32.8  | Alabama.....        | 1, 415 | 53.5  | 1, 048    | 39.6  |
| Pennsylvania.....      | 4, 373  | 45.4  | 4, 699    | 48.3  | Mississippi.....    | 1, 121 | 55.8  | 829       | 41.2  |
| East North Central:    |         |       |           |       | West South Central: |        |       |           |       |
| Ohio.....              | 4, 154  | 62.5  | 3, 047    | 45.8  | Arkansas.....       | 1, 101 | 59.4  | 918       | 49.5  |
| Indiana.....           | 2, 204  | 68.1  | 1, 713    | 52.9  | Louisiana.....      | 1, 252 | 59.6  | 1, 062    | 50.5  |
| Illinois.....          | 4, 490  | 58.8  | 3, 315    | 43.4  | Oklahoma.....       | 1, 167 | 48.7  | 1, 372    | 57.3  |
| Michigan.....          | 1, 742  | 36.0  | 2, 336    | 48.2  | Texas.....          | 2, 606 | 44.7  | 2, 348    | 40.3  |
| Wisconsin.....         | 1, 530  | 52.1  | 1, 757    | 59.8  | Mountain:           |        |       |           |       |
| West North Central:    |         |       |           |       | Montana.....        | 235    | 43.7  | 305       | 56.7  |
| Minnesota.....         | 1, 049  | 40.9  | 1, 226    | 47.8  | Idaho.....          | 156    | 35.1  | 136       | 30.6  |
| Iowa.....              | 1, 577  | 63.8  | 1, 162    | 47.0  | Wyoming.....        | 53     | 23.5  | 80        | 26.8  |
| Missouri.....          | 3, 870  | 106.9 | 1, 999    | 56.1  | Colorado.....       | 751    | 72.5  | 532       | 51.4  |
| North Dakota.....      | 196     | 28.6  | 306       | 44.9  | New Mexico.....     | 607    | 143.4 | 263       | 62.1  |
| South Dakota.....      | 253     | 36.5  | 425       | 61.3  | Arizona.....        | 259    | 59.5  | 174       | 39.9  |
| Nebraska.....          | 552     | 40.1  | 854       | 62.0  | Utah.....           | 238    | 46.9  | 277       | 54.5  |
| Kansas.....            | 1, 246  | 66.2  | 1, 173    | 62.4  | Nevada.....         | 64     | 70.3  | 30        | 32.9  |
| South Atlantic:        |         |       |           |       | Pacific:            |        |       |           |       |
| Delaware.....          | 101     | 42.4  | 64        | 28.8  | Washington.....     | 792    | 50.7  | 746       | 47.7  |
| Maryland.....          | 799     | 49.0  | 737       | 45.2  | Oregon.....         | 496    | 52.0  | 549       | 57.6  |
| Dist. of Columbia..... | 261     | 53.6  | 157       | 32.2  | California.....     | 2, 597 | 45.7  | 2, 101    | 37.0  |

Source of tables 71, 72, and 73: Bureau of the Census, Department of Commerce.

### 3. VITAL STATISTICS

GENERAL NOTE.—Vital statistics are registered by the States in the first instance, but duplicates of the original certificates of individual births and deaths are received and tabulated by the Census Bureau. Owing to the gradual expansion of the "registration" areas up to 1933 (see tables 74, 80, and 90), the number of births and deaths for the areas as a whole are not strictly comparable but, in most cases, the rates are affected very slightly. Beginning with 1933, all States are included in both the birth and the death registration area.

General tables cover the registration area in continental United States, Hawaii, Puerto Rico, and the Virgin Islands are shown separately in table 88. Stillbirths, shown in table 84, are excluded from data for both births and deaths.

Rates for 1934 are based upon revised estimates of population shown in table 11, p. 9, whereas rates for 1931, 1932, and 1933 are based on unrevised estimates. Marked changes in State rates in 1934 may be due in part to the new method of estimating State population used in that year. Population estimates for 1924 are not available by color or by age groups, or for cities and rural areas.

Beginning with 1930 the Bureau of the Census includes Mexicans with the colored in tables showing data by color. In such tables, for this section, in order that the data may be comparable with previous years, Mexicans have been included with the white for 1930 to 1934, except in tables 84 and 85.

#### No. 74.—DEATHS: NUMBER AND RATES IN THE DEATH REGISTRATION AREA, 1880 TO 1934

NOTE.—See general note above

| Year                    | Registration area        |                                   |                             | All deaths |                           | Deaths under 1 year of age |                       | Deaths under 5 years of age |                       |
|-------------------------|--------------------------|-----------------------------------|-----------------------------|------------|---------------------------|----------------------------|-----------------------|-----------------------------|-----------------------|
|                         | Population               | Percent of U. S. total population | Percent of U. S. total area | Number     | Rate per 1,000 population | Number                     | Percent of all deaths | Number                      | Percent of all deaths |
| 1880 <sup>1</sup> ----- | 8,538,366                | 17.0                              | 0.6                         | 169,453    | 19.8                      | 48,041                     | 28.3                  | 74,810                      | 44.0                  |
| 1890 <sup>1</sup> ----- | 10,659,440               | 31.2                              | 3.0                         | 388,212    | 19.6                      | 86,790                     | 22.5                  | 133,778                     | 34.6                  |
| 1900-----               | 30,795,618               | 40.6                              | 7.1                         | 539,939    | 17.0                      | 111,687                    | 20.7                  | 164,137                     | 30.4                  |
| 1901-----               | 31,370,962               | 40.8                              | 7.2                         | 518,207    | 16.5                      | 97,477                     | 18.8                  | 141,678                     | 27.3                  |
| 1902-----               | 32,029,815               | 40.4                              | 7.2                         | 508,640    | 15.9                      | 98,575                     | 19.4                  | 143,515                     | 28.2                  |
| 1903-----               | 32,701,083               | 40.4                              | 7.2                         | 524,415    | 16.0                      | 96,857                     | 18.5                  | 139,940                     | 26.7                  |
| 1904-----               | 33,845,163               | 40.4                              | 7.2                         | 551,354    | 18.5                      | 102,880                    | 18.7                  | 145,902                     | 26.5                  |
| 1905-----               | 34,052,201               | 40.4                              | 7.2                         | 545,533    | 16.0                      | 106,553                    | 19.3                  | 147,384                     | 27.0                  |
| 1906-----               | 41,983,419               | 48.9                              | 20.3                        | 658,105    | 15.7                      | 133,105                    | 20.2                  | 186,978                     | 28.4                  |
| 1907-----               | 43,016,990               | 49.2                              | 20.3                        | 687,034    | 16.0                      | 131,110                    | 19.1                  | 183,774                     | 23.7                  |
| 1908-----               | 46,789,913               | 52.5                              | 24.4                        | 691,574    | 14.8                      | 136,432                    | 19.7                  | 189,865                     | 27.5                  |
| 1909-----               | 50,870,618               | 56.1                              | 25.7                        | 732,538    | 14.4                      | 140,057                    | 19.1                  | 196,584                     | 26.8                  |
| 1910-----               | 53,831,742               | 58.3                              | 33.6                        | 805,412    | 15.0                      | 154,873                    | 19.2                  | 217,319                     | 27.0                  |
| 1911-----               | 59,183,071               | 68.2                              | 37.2                        | 839,284    | 14.2                      | 149,322                    | 17.8                  | 209,482                     | 25.0                  |
| 1912-----               | 60,359,974               | 63.5                              | 37.2                        | 838,251    | 13.9                      | 147,455                    | 17.6                  | 204,639                     | 24.4                  |
| 1913-----               | 63,200,625               | 65.5                              | 38.6                        | 890,848    | 14.1                      | 159,435                    | 17.9                  | 225,129                     | 25.3                  |
| 1914-----               | 65,813,315               | 67.2                              | 41.3                        | 898,069    | 13.6                      | 155,075                    | 17.3                  | 214,120                     | 23.8                  |
| 1915-----               | 67,095,681               | 67.5                              | 41.3                        | 900,155    | 13.6                      | 148,661                    | 16.3                  | 203,223                     | 22.4                  |
| 1916-----               | 71,849,102               | 70.8                              | 44.0                        | 1,001,921  | 14.0                      | 164,660                    | 16.4                  | 234,081                     | 23.4                  |
| 1917-----               | 74,984,498               | 73.4                              | 45.4                        | 1,068,932  | 14.3                      | 171,024                    | 16.0                  | 243,708                     | 22.8                  |
| 1918-----               | 81,333,675               | 78.6                              | 52.0                        | 1,471,367  | 18.1                      | 193,855                    | 13.2                  | 306,143                     | 20.8                  |
| 1919-----               | 85,166,048               | 81.1                              | 55.5                        | 1,096,436  | 12.9                      | 161,621                    | 14.7                  | 229,813                     | 21.0                  |
| 1920-----               | 87,632,592               | 82.3                              | 58.0                        | 1,142,568  | 13.0                      | 174,710                    | 15.3                  | 248,482                     | 21.7                  |
| 1921-----               | 89,102,434               | 82.3                              | 58.0                        | 1,032,009  | 11.6                      | 160,011                    | 15.5                  | 220,688                     | 21.4                  |
| 1922-----               | 93,866,240               | 85.4                              | 66.1                        | 1,101,863  | 11.7                      | 158,660                    | 14.4                  | 218,201                     | 19.8                  |
| 1923-----               | 97,816,104               | 87.7                              | 68.0                        | 1,193,017  | 12.2                      | 166,274                    | 13.9                  | 233,918                     | 19.6                  |
| 1924-----               | 100,082,062              | 88.4                              | 70.3                        | 1,173,990  | 11.7                      | 161,404                    | 13.7                  | 220,122                     | 18.7                  |
| 1925-----               | 102,951,999              | 89.6                              | 70.9                        | 1,219,019  | 11.8                      | 161,961                    | 13.3                  | 218,264                     | 17.9                  |
| 1926-----               | 104,938,301              | 90.1                              | 74.7                        | 1,285,027  | 12.3                      | 163,343                    | 12.7                  | 226,324                     | 17.6                  |
| 1927-----               | 108,177,688              | 91.5                              | 76.5                        | 1,235,949  | 11.4                      | 147,134                    | 11.9                  | 199,507                     | 16.1                  |
| 1928-----               | 114,258,516              | 95.3                              | 80.8                        | 1,378,675  | 12.1                      | 155,858                    | 11.3                  | 216,090                     | 15.7                  |
| 1929-----               | 116,317,615              | 95.7                              | 88.6                        | 1,386,363  | 11.9                      | 148,886                    | 10.7                  | 205,028                     | 14.9                  |
| 1930-----               | 118,580,800              | 96.2                              | 91.2                        | 1,343,366  | 11.3                      | 145,374                    | 10.8                  | 196,233                     | 14.5                  |
| 1931-----               | <sup>2</sup> 119,421,000 | 96.3                              | 91.2                        | 1,322,687  | 11.1                      | 132,874                    | 10.0                  | 178,537                     | 13.5                  |
| 1932-----               | <sup>2</sup> 120,122,000 | 96.3                              | 91.2                        | 1,308,529  | 10.9                      | 121,267                    | 9.8                   | 160,508                     | 12.3                  |
| 1933-----               | <sup>2</sup> 125,693,000 | 100.0                             | 100.0                       | 1,342,106  | 10.7                      | 120,887                    | 9.0                   | 161,902                     | 12.1                  |
| 1934-----               | <sup>2</sup> 126,626,000 | 100.0                             | 100.0                       | 1,399,903  | 11.0                      | 130,185                    | 9.3                   | 173,360                     | 12.4                  |

<sup>1</sup> Census year ended May 31.

<sup>2</sup> See third paragraph of general note above.

Source: Bureau of the Census, Department of Commerce,

## No. 75.—DEATHS: RATES PER 1,000 POPULATION, BY SEX AND BY AGE GROUPS

NOTE.—It is necessary for accurate comparison of different years to consider only States having registration throughout the period compared. See also general note p. 80

| Sex and age group                | Registration States as of 1900 |                         |                         |             |             | Registration States as of 1920 |             |             |             |             |
|----------------------------------|--------------------------------|-------------------------|-------------------------|-------------|-------------|--------------------------------|-------------|-------------|-------------|-------------|
|                                  | 1901-1905, av-<br>erage        | 1911-1915, av-<br>erage | 1921-1925, av-<br>erage | 1930        | 1933        | 1920                           | 1925        | 1930        | 1932        | 1933        |
| <b>Both sexes, all ages.....</b> | <b>15.8</b>                    | <b>14.6</b>             | <b>12.3</b>             | <b>11.6</b> | <b>11.2</b> | <b>13.0</b>                    | <b>11.9</b> | <b>11.4</b> | <b>11.1</b> | <b>10.9</b> |
| Under 1 year.....                | 138.2                          | 123.0                   | 89.2                    | 85.0        | 51.2        | 96.9                           | 83.9        | 69.2        | 57.9        | 53.8        |
| 1 to 4 years.....                | 15.8                           | 11.8                    | 7.7                     | 4.8         | 3.7         | 9.8                            | 6.9         | 5.4         | 4.3         | 4.1         |
| Under 5 years.....               | 41.7                           | 34.8                    | 23.3                    | 16.8        | 12.6        | 26.7                           | 21.7        | 17.5        | 14.5        | 13.5        |
| 5 to 9 years.....                | 4.1                            | 3.1                     | 2.6                     | 1.9         | 1.6         | 3.0                            | 2.2         | 1.9         | 1.6         | 1.5         |
| 10 to 14 years.....              | 2.7                            | 2.1                     | 1.9                     | 1.4         | 1.3         | 2.3                            | 1.8         | 1.5         | 1.4         | 1.3         |
| 15 to 19 years.....              | 4.4                            | 3.5                     | 2.9                     | 2.3         | 1.9         | 4.0                            | 3.2         | 2.7         | 2.3         | 2.2         |
| 20 to 24 years.....              | 6.1                            | 4.0                     | 3.8                     | 3.3         | 2.7         | 5.7                            | 4.3         | 3.8         | 3.3         | 3.2         |
| 25 to 34 years.....              | 7.5                            | 6.1                     | 4.6                     | 4.0         | 3.6         | 6.8                            | 5.0         | 4.5         | 4.1         | 4.0         |
| 35 to 44 years.....              | 9.9                            | 9.0                     | 6.8                     | 6.3         | 5.9         | 8.2                            | 7.1         | 6.7         | 6.3         | 6.1         |
| 45 to 54 years.....              | 14.4                           | 14.3                    | 12.1                    | 12.2        | 12.2        | 12.1                           | 12.0        | 12.3        | 11.9        | 11.9        |
| 55 to 64 years.....              | 27.1                           | 27.5                    | 25.0                    | 25.4        | 25.9        | 23.6                           | 23.9        | 24.4        | 24.4        | 24.5        |
| 65 to 74 years.....              | 55.1                           | 58.0                    | 54.6                    | 53.9        | 56.2        | 51.8                           | 52.3        | 52.0        | 52.5        | 52.6        |
| 75 years and over.....           | 137.8                          | 140.1                   | 136.2                   | 134.6       | 143.2       | 133.2                          | 133.7       | 130.5       | 135.1       | 133.8       |
| <b>Males, all ages.....</b>      | <b>16.6</b>                    | <b>15.5</b>             | <b>12.9</b>             | <b>12.3</b> | <b>11.9</b> | <b>13.4</b>                    | <b>12.6</b> | <b>12.4</b> | <b>11.9</b> | <b>11.8</b> |
| Under 1 year.....                | 152.7                          | 136.7                   | 100.5                   | 76.1        | 57.2        | 108.8                          | 94.2        | 77.2        | 64.8        | 59.9        |
| 1 to 4 years.....                | 16.5                           | 12.4                    | 8.1                     | 5.2         | 4.0         | 10.2                           | 7.3         | 5.8         | 4.5         | 4.4         |
| Under 5 years.....               | 45.3                           | 37.8                    | 25.8                    | 18.6        | 14.0        | 29.3                           | 23.9        | 19.4        | 16.0        | 14.9        |
| 5 to 9 years.....                | 4.2                            | 3.3                     | 2.9                     | 2.1         | 1.7         | 3.1                            | 2.4         | 2.1         | 1.7         | 1.7         |
| 10 to 14 years.....              | 2.8                            | 2.2                     | 2.1                     | 1.6         | 1.5         | 2.4                            | 2.0         | 1.7         | 1.6         | 1.5         |
| 15 to 19 years.....              | 4.4                            | 3.7                     | 3.1                     | 2.5         | 2.1         | 4.2                            | 3.2         | 2.9         | 2.5         | 2.4         |
| 20 to 24 years.....              | 6.2                            | 5.3                     | 3.8                     | 3.4         | 2.8         | 5.4                            | 4.3         | 4.0         | 3.5         | 3.3         |
| 25 to 34 years.....              | 7.8                            | 6.5                     | 4.6                     | 4.2         | 3.7         | 6.5                            | 5.1         | 4.8         | 4.3         | 4.2         |
| 35 to 44 years.....              | 10.6                           | 10.1                    | 7.3                     | 7.1         | 6.5         | 8.3                            | 7.6         | 7.4         | 6.9         | 6.7         |
| 45 to 54 years.....              | 15.6                           | 15.9                    | 13.0                    | 13.9        | 14.0        | 12.5                           | 13.0        | 13.8        | 13.3        | 13.5        |
| 55 to 64 years.....              | 29.1                           | 30.1                    | 26.9                    | 28.4        | 29.2        | 24.6                           | 25.9        | 27.1        | 27.3        | 27.6        |
| 65 to 74 years.....              | 58.2                           | 61.7                    | 57.7                    | 58.3        | 61.0        | 53.8                           | 56.2        | 56.6        | 56.8        | 57.3        |
| 75 years and over.....           | 142.9                          | 144.6                   | 138.7                   | 139.3       | 148.3       | 135.5                          | 137.6       | 135.7       | 143.6       | 142.5       |
| <b>Females, all ages.....</b>    | <b>14.9</b>                    | <b>13.6</b>             | <b>11.8</b>             | <b>10.7</b> | <b>10.5</b> | <b>12.6</b>                    | <b>11.2</b> | <b>10.5</b> | <b>10.2</b> | <b>10.0</b> |
| Under 1 year.....                | 123.3                          | 109.0                   | 77.5                    | 59.7        | 44.9        | 84.7                           | 73.3        | 60.9        | 50.9        | 47.4        |
| 1 to 4 years.....                | 15.2                           | 11.3                    | 7.2                     | 4.5         | 3.4         | 9.4                            | 6.5         | 5.0         | 4.0         | 3.8         |
| Under 5 years.....               | 38.0                           | 31.2                    | 20.7                    | 14.8        | 11.2        | 24.0                           | 19.3        | 15.6        | 12.9        | 12.1        |
| 5 to 9 years.....                | 4.0                            | 2.9                     | 2.3                     | 1.7         | 1.4         | 2.8                            | 2.0         | 1.7         | 1.5         | 1.4         |
| 10 to 14 years.....              | 2.7                            | 2.0                     | 1.7                     | 1.2         | 1.1         | 2.1                            | 1.7         | 1.3         | 1.2         | 1.1         |
| 15 to 19 years.....              | 4.4                            | 3.2                     | 2.8                     | 2.2         | 1.7         | 3.9                            | 3.2         | 2.5         | 2.1         | 1.9         |
| 20 to 24 years.....              | 5.9                            | 4.5                     | 3.7                     | 3.2         | 2.6         | 5.9                            | 4.3         | 3.7         | 3.2         | 3.0         |
| 25 to 34 years.....              | 7.3                            | 5.6                     | 4.5                     | 3.8         | 3.4         | 7.2                            | 4.9         | 4.3         | 4.0         | 3.8         |
| 35 to 44 years.....              | 9.0                            | 7.9                     | 6.2                     | 5.4         | 5.2         | 8.0                            | 6.6         | 6.0         | 5.7         | 5.5         |
| 45 to 54 years.....              | 13.1                           | 12.6                    | 11.1                    | 10.5        | 10.4        | 11.6                           | 10.9        | 10.6        | 10.3        | 10.1        |
| 55 to 64 years.....              | 25.1                           | 24.9                    | 23.1                    | 22.4        | 22.6        | 22.4                           | 21.7        | 21.4        | 21.4        | 21.2        |
| 65 to 74 years.....              | 52.1                           | 54.5                    | 51.7                    | 49.9        | 51.7        | 49.8                           | 48.4        | 47.3        | 48.3        | 47.9        |
| 75 years and over.....           | 133.3                          | 136.4                   | 134.2                   | 130.7       | 138.9       | 131.2                          | 130.3       | 125.9       | 133.2       | 131.6       |

## No. 76.—DEATHS: RATES PER 1,000 ESTIMATED POPULATION IN THE DEATH REGISTRATION AREA, DISTINGUISHING CITIES AND RURAL AREA

NOTE.—See general note, p. 80

| Year      | Registration area |       |         | All registration cities |       |         | Rural part of registration area |       |         |
|-----------|-------------------|-------|---------|-------------------------|-------|---------|---------------------------------|-------|---------|
|           | Total             | White | Colored | Total                   | White | Colored | Total                           | White | Colored |
| 1920..... | 13.0              | 12.6  | 17.9    | 14.2                    | 13.6  | 22.7    | 11.9                            | 11.5  | 15.2    |
| 1922..... | 11.7              | 11.4  | 15.4    | 12.7                    | 12.2  | 19.8    | 10.8                            | 10.5  | 13.0    |
| 1923..... | 12.2              | 11.7  | 16.6    | 13.2                    | 12.6  | 21.4    | 11.2                            | 10.9  | 13.9    |
| 1924..... | 11.7              | 11.2  | 17.2    | 12.8                    | 12.1  | 21.8    | 10.7                            | 10.2  | 14.6    |
| 1925..... | 11.8              | 11.3  | 17.6    | 13.0                    | 12.3  | 21.9    | 10.8                            | 10.3  | 14.9    |
| 1926..... | 12.3              | 11.7  | 18.0    | 13.4                    | 12.7  | 22.1    | 11.2                            | 10.7  | 15.4    |
| 1927..... | 11.4              | 10.9  | 16.8    | 12.5                    | 11.9  | 20.6    | 10.4                            | 10.0  | 14.1    |
| 1928..... | 12.1              | 11.5  | 17.1    | 13.3                    | 12.7  | 21.1    | 11.0                            | 10.5  | 14.9    |
| 1929..... | 11.9              | 11.4  | 16.9    | 13.1                    | 12.4  | 20.5    | 10.9                            | 10.4  | 14.9    |
| 1930..... | 11.3              | 10.8  | 16.4    | 12.3                    | 11.7  | 19.5    | 10.4                            | 9.9   | 14.4    |
| 1931..... | 11.1              | 10.6  | 15.5    | 11.9                    | 11.4  | 18.5    | 10.2                            | 9.8   | 13.5    |
| 1932..... | 10.9              | 10.5  | 14.5    | 11.7                    | 11.2  | 17.4    | 10.3                            | 9.8   | 12.6    |
| 1933..... | 10.7              | 10.3  | 14.1    | 11.5                    | 11.0  | 17.2    | 9.9                             | 9.6   | 12.2    |
| 1934..... | 11.0              | 10.5  | 14.5    | 11.7                    | 11.2  | 17.4    | 10.3                            | 9.8   | 12.6    |

Source of tables 75 and 76: Bureau of the Census, Department of Commerce.



## No. 77.—DEATHS: NUMBER AND RATE PER 1,000 POPULATION, BY STATES

| Area                 | Number of deaths |         | Death rate per 1,000 estimated population <sup>1</sup> |      |      |      |      |      |      |       |
|----------------------|------------------|---------|--------------------------------------------------------|------|------|------|------|------|------|-------|
|                      | 1933             | 1934    | 1920                                                   | 1925 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934  |
| Alabama              | 27,104           | 29,361  | (?)                                                    | 11.6 | 12.4 | 11.5 | 10.7 | 10.3 | 10.0 | 10.5  |
| White                | 14,885           | 16,118  | (?)                                                    | 9.5  | 10.2 | 9.4  | 8.8  | 8.6  | 8.4  | ----- |
| Colored              | 12,479           | 13,213  | (?)                                                    | 15.3 | 16.2 | 16.2 | 14.0 | 13.5 | 13.1 | ----- |
| Arizona              | 5,589            | 5,947   | (?)                                                    | (?)  | 15.9 | 15.2 | 13.7 | 12.1 | 12.2 | 14.6  |
| Arkansas             | 16,597           | 16,883  | (?)                                                    | (?)  | 10.6 | 10.2 | 9.6  | 8.7  | 8.0  | 8.6   |
| White                | 11,637           | 11,922  | (?)                                                    | (?)  | 8.4  | 8.1  | 8.8  | 8.1  | 8.3  | ----- |
| Colored              | 5,080            | 4,963   | (?)                                                    | (?)  | 13.5 | 13.5 | 11.9 | 10.5 | 10.5 | ----- |
| California           | 68,086           | 68,095  | 13.3                                                   | 12.3 | 11.9 | 11.6 | 11.5 | 11.4 | 11.2 | 12.1  |
| White                | 64,745           | 61,842  | 13.1                                                   | 12.2 | 11.8 | 11.5 | 11.5 | 11.4 | 11.2 | ----- |
| Colored              | 3,341            | 6,253   | 17.8                                                   | 13.9 | 12.5 | 12.7 | 12.0 | 12.0 | 11.4 | ----- |
| Colorado             | 11,961           | 12,497  | 14.5                                                   | 12.7 | 11.5 | 10.7 | 10.6 | 10.4 | 10.6 | 10.3  |
| Connecticut          | 17,444           | 17,435  | 13.6                                                   | 11.8 | 13.2 | 13.6 | 13.8 | 13.2 | 13.7 | 13.3  |
| Delaware             | 3,309            | 3,354   | 14.6                                                   | 13.5 | 15.4 | 15.1 | 15.8 | 16.1 | 15.9 | 14.8  |
| District of Columbia | 7,872            | 8,274   | 14.7                                                   | 12.6 | 13.0 | 12.9 | 13.4 | 14.0 | 13.3 | ----- |
| White                | 4,750            | 5,085   | 12.7                                                   | 12.2 | 21.7 | 21.0 | 22.0 | 21.6 | 22.3 | ----- |
| Colored              | 3,122            | 3,188   | 20.6                                                   | 13.6 | 12.7 | 12.3 | 12.0 | 12.0 | 12.1 | 12.8  |
| Florida              | 18,759           | 20,357  | 12.8                                                   | 11.9 | 10.8 | 10.6 | 10.4 | 10.4 | 10.5 | ----- |
| White                | 11,670           | 12,337  | 11.6                                                   | 11.9 | 17.1 | 16.5 | 16.0 | 15.7 | 15.9 | ----- |
| Colored              | 7,189            | 7,920   | 16.3                                                   | 12.4 | 12.2 | 12.1 | 11.3 | 11.0 | 10.7 | 10.9  |
| Georgia              | 31,194           | 35,580  | (?)                                                    | (?)  | 10.0 | 9.3  | 9.2  | 9.1  | 9.1  | ----- |
| White                | 16,880           | 18,108  | (?)                                                    | (?)  | 15.8 | 16.1 | 15.1 | 14.5 | 13.7 | ----- |
| Colored              | 14,314           | 17,472  | (?)                                                    | (?)  | 7.3  | 9.2  | 9.0  | 8.8  | 9.1  | 9.3   |
| Idaho                | 4,055            | 4,377   | (?)                                                    | 11.5 | 11.6 | 10.9 | 11.1 | 10.7 | 10.5 | 11.2  |
| Illinois             | 82,813           | 87,205  | 12.6                                                   | 12.5 | 12.7 | 12.1 | 11.9 | 11.8 | 11.5 | 12.0  |
| Indiana              | 33,009           | 40,550  | 13.4                                                   | 10.0 | 10.4 | 10.6 | 10.4 | 10.4 | 10.3 | 10.6  |
| Iowa                 | 25,605           | 26,758  | (?)                                                    | 10.2 | 10.4 | 10.4 | 9.9  | 10.3 | 10.3 | 10.8  |
| Kansas               | 19,613           | 19,951  | 11.4                                                   | 11.3 | 12.0 | 11.3 | 11.0 | 11.0 | 10.8 | 10.7  |
| Kentucky             | 28,520           | 30,143  | 11.8                                                   | 10.4 | 11.1 | 10.4 | 10.1 | 10.3 | 10.0 | ----- |
| White                | 24,350           | 25,725  | 11.0                                                   | 10.2 | 21.3 | 21.0 | 20.1 | 18.8 | 18.7 | ----- |
| Colored              | 4,170            | 4,418   | 19.4                                                   | 12.8 | 11.9 | 11.7 | 11.1 | 10.9 | 10.7 | 11.0  |
| Louisiana            | 23,112           | 23,254  | 11.9                                                   | 10.0 | 9.7  | 9.5  | 9.2  | 9.3  | 8.9  | ----- |
| White                | 12,185           | 12,401  | 9.3                                                    | 10.0 | 16.7 | 15.5 | 14.3 | 13.7 | 13.9 | ----- |
| Colored              | 10,927           | 10,853  | 15.2                                                   | 13.8 | 14.3 | 13.9 | 13.1 | 13.4 | 13.8 | 13.1  |
| Maine                | 11,102           | 10,937  | 15.4                                                   | 14.0 | 13.5 | 13.2 | 13.2 | 12.7 | 12.4 | 12.6  |
| Maryland             | 20,610           | 20,946  | 14.6                                                   | 12.6 | 12.4 | 12.0 | 12.0 | 11.6 | 11.6 | ----- |
| White                | 16,356           | 16,051  | 13.5                                                   | 12.9 | 12.9 | 12.9 | 12.5 | 12.1 | 12.4 | ----- |
| Colored              | 4,254            | 4,895   | 21.1                                                   | 10.7 | 12.3 | 11.6 | 11.3 | 11.5 | 11.8 | 11.7  |
| Massachusetts        | 50,811           | 50,580  | 13.8                                                   | 11.5 | 11.8 | 10.6 | 10.0 | 10.0 | 9.6  | 10.8  |
| Michigan             | 48,536           | 50,442  | 13.8                                                   | 10.7 | 10.1 | 10.0 | 9.9  | 9.9  | 9.8  | 10.2  |
| Minnesota            | 25,305           | 26,570  | 10.7                                                   | 11.6 | 13.0 | 12.0 | 10.9 | 10.0 | 10.6 | 11.1  |
| Mississippi          | 21,686           | 21,832  | 12.2                                                   | 8.8  | 10.3 | 9.1  | 8.6  | 8.2  | 8.3  | ----- |
| White                | 8,981            | 9,283   | 9.2                                                    | 14.3 | 15.5 | 14.7 | 13.1 | 11.8 | 12.4 | ----- |
| Colored              | 12,705           | 12,549  | 15.0                                                   | 11.7 | 12.3 | 11.9 | 12.1 | 12.0 | 11.6 | 12.1  |
| Missouri             | 42,521           | 40,639  | 12.5                                                   | 9.6  | 10.7 | 10.1 | 9.8  | 9.8  | 9.7  | 10.6  |
| Montana              | 5,212            | 5,617   | 9.6                                                    | 9.3  | 9.8  | 9.6  | 9.3  | 9.3  | 9.3  | 9.8   |
| Nebraska             | 12,624           | 13,372  | 10.0                                                   | 12.7 | 13.1 | 12.7 | 12.7 | 12.7 | 12.7 | 13.2  |
| Nevada               | 1,233            | 1,297   | (?)                                                    | (?)  | 13.6 | 12.7 | 14.6 | 14.4 | 13.3 | 12.9  |
| New Hampshire        | 6,401            | 6,397   | 15.2                                                   | 11.6 | 11.6 | 10.7 | 10.8 | 10.3 | 10.4 | 10.3  |
| New Jersey           | 43,497           | 43,819  | 12.9                                                   | (?)  | 15.4 | 15.5 | 14.4 | 13.8 | 13.4 | 15.2  |
| New Mexico           | 5,824            | 6,115   | (?)                                                    | 11.7 | 11.5 | 11.7 | 11.7 | 11.5 | 11.5 | 11.6  |
| New York             | 148,455          | 149,058 | 13.8                                                   | 12.3 | 12.4 | 11.7 | 11.7 | 11.5 | 11.5 | 10.4  |
| North Carolina       | 30,547           | 35,180  | 12.6                                                   | 11.3 | 11.8 | 11.2 | 10.3 | 9.6  | 9.3  | ----- |
| White                | 19,179           | 22,142  | 11.2                                                   | 9.7  | 10.2 | 9.6  | 8.9  | 8.5  | 8.3  | ----- |
| Colored              | 11,368           | 13,038  | 15.9                                                   | 14.9 | 16.5 | 15.1 | 13.7 | 12.1 | 11.8 | ----- |
| North Dakota         | 5,463            | 5,844   | (?)                                                    | 7.6  | 8.0  | 7.9  | 7.5  | 7.5  | 8.0  | 8.4   |
| Ohio                 | 73,054           | 77,101  | 12.8                                                   | 11.8 | 12.4 | 11.4 | 11.3 | 11.3 | 10.7 | 11.5  |
| Oklahoma             | 20,309           | 21,373  | (?)                                                    | (?)  | 9.0  | 8.2  | 7.8  | 7.9  | 8.3  | 8.6   |
| White                | 17,676           | 18,392  | (?)                                                    | (?)  | 8.7  | 7.3  | 7.4  | 7.7  | 8.0  | ----- |
| Colored              | 2,633            | 2,981   | (?)                                                    | (?)  | 12.0 | 11.2 | 10.8 | 9.4  | 8.9  | ----- |
| Oregon               | 10,450           | 10,540  | 11.7                                                   | 11.0 | 11.3 | 11.0 | 10.6 | 10.5 | 10.6 | 10.6  |
| Pennsylvania         | 106,109          | 109,601 | 13.8                                                   | 12.6 | 12.3 | 11.6 | 11.5 | 11.2 | 10.8 | 11.0  |
| Rhode Island         | 7,896            | 7,703   | 14.3                                                   | 12.7 | 13.1 | 11.6 | 11.5 | 11.6 | 11.2 | 11.3  |
| South Carolina       | 19,356           | 21,312  | 14.1                                                   | 12.8 | 13.3 | 12.9 | 12.1 | 11.4 | 11.1 | 10.8  |
| White                | 8,580            | 9,505   | 11.4                                                   | 9.3  | 10.1 | 9.8  | 9.1  | 9.0  | 8.9  | ----- |
| Colored              | 10,776           | 11,809  | 16.8                                                   | 16.1 | 17.0 | 16.8 | 15.7 | 14.4 | 13.8 | ----- |
| South Dakota         | 6,104            | 6,455   | (?)                                                    | (?)  | 8.5  | 8.4  | 8.2  | 8.2  | 8.7  | 9.5   |
| Tennessee            | 28,123           | 30,312  | 12.1                                                   | 11.2 | 12.2 | 11.4 | 10.8 | 10.8 | 10.6 | 10.6  |
| White                | 20,404           | 22,058  | 10.7                                                   | 9.6  | 10.7 | 9.9  | 9.5  | 9.6  | 9.4  | ----- |
| Colored              | 7,719            | 8,250   | 18.0                                                   | 18.1 | 18.7 | 18.3 | 16.7 | 16.2 | 16.0 | ----- |
| Texas                | 58,948           | 59,731  | (?)                                                    | (?)  | (?)  | (?)  | (?)  | (?)  | 9.8  | 9.9   |
| White                | 48,545           | 48,485  | (?)                                                    | (?)  | (?)  | (?)  | (?)  | (?)  | 9.4  | ----- |
| Colored              | 10,403           | 11,246  | (?)                                                    | (?)  | (?)  | (?)  | (?)  | (?)  | 11.0 | ----- |
| Utah                 | 4,384            | 4,841   | 11.5                                                   | 9.3  | 10.1 | 9.9  | 8.7  | 8.6  | 8.5  | 9.4   |
| Vermont              | 4,821            | 4,878   | 15.7                                                   | 14.4 | 14.7 | 13.0 | 12.5 | 13.2 | 12.8 | 13.0  |
| Virginia             | 28,454           | 30,559  | 13.2                                                   | 12.4 | 13.0 | 12.5 | 12.4 | 11.9 | 11.7 | 11.7  |
| White                | 18,045           | 19,314  | 11.3                                                   | 10.8 | 11.0 | 10.5 | 10.4 | 10.2 | 10.0 | ----- |
| Colored              | 10,411           | 11,245  | 17.8                                                   | 17.6 | 18.2 | 18.0 | 17.8 | 16.4 | 16.1 | ----- |
| Washington           | 16,705           | 17,552  | 11.1                                                   | 10.4 | 10.6 | 10.6 | 10.5 | 10.4 | 10.4 | 10.8  |
| West Virginia        | 16,605           | 17,941  | (?)                                                    | 10.7 | 10.5 | 10.5 | 10.1 | 10.2 | 9.4  | 10.0  |
| Wisconsin            | 29,513           | 30,359  | 11.2                                                   | 10.5 | 10.7 | 10.4 | 10.2 | 10.2 | 9.9  | 10.5  |
| Wyoming              | 1,975            | 2,096   | (?)                                                    | 9.0  | 9.0  | 9.2  | 8.9  | 9.0  | 8.5  | 9.1   |

<sup>1</sup> See third paragraph of general note, p. 80.<sup>2</sup> Not in registration area.

No. 78.—DEATHS: NUMBER AND RATE PER 100,000 POPULATION, IN THE DEATH REGISTRATION AREA, BY IMPORTANT CAUSES<sup>1</sup>

| Detailed<br>Int. List<br>No.          | Cause of death                                         | Number<br>of deaths,<br>1934 <sup>2</sup> | Registration area—rate |         |         |         |         |         |         | Registration States of 1900 (incl. D.C.)—rate |         |         |         |         |         |
|---------------------------------------|--------------------------------------------------------|-------------------------------------------|------------------------|---------|---------|---------|---------|---------|---------|-----------------------------------------------|---------|---------|---------|---------|---------|
|                                       |                                                        |                                           | 1900                   | 1910    | 1920    | 1925    | 1930    | 1932    | 1934    | 1900                                          | 1910    | 1920    | 1930    | 1933    | 1934    |
|                                       | All causes                                             | 1,386,903                                 | 1,755.0                | 1,468.2 | 1,303.8 | 1,184.1 | 1,133.1 | 1,088.3 | 1,067.8 | 1,103.2                                       | 1,719.5 | 1,562.4 | 1,376.0 | 1,162.3 | 1,143.1 |
| 1, 2                                  | Typhoid and paratyphoid fever                          | 4,237                                     | 35.9                   | 23.6    | 7.8     | 8.0     | 4.8     | 3.7     | 3.6     | 3.3                                           | 31.3    | 18.0    | 4.9     | 1.6     | 1.1     |
| 7                                     | Measles                                                | 6,986                                     | 12.5                   | 12.3    | 8.8     | 2.3     | 3.2     | 1.6     | 2.2     | 5.5                                           | 13.4    | 12.6    | 10.3    | 2.6     | 1.8     |
| 8                                     | Scarlet fever                                          | 2,524                                     | 10.2                   | 11.6    | 4.6     | 2.7     | 1.9     | 2.1     | 2.0     | 2.0                                           | 9.6     | 12.2    | 5.2     | 1.8     | 2.0     |
| 9                                     | Whooping cough                                         | 7,518                                     | 12.1                   | 11.4    | 12.5    | 6.7     | 4.8     | 4.5     | 3.6     | 5.9                                           | 12.3    | 10.7    | 11.9    | 3.4     | 3.0     |
| 10                                    | Diphtheria                                             | 4,159                                     | 43.3                   | 21.4    | 15.3    | 7.8     | 4.9     | 4.5     | 3.9     | 3.3                                           | 40.4    | 22.5    | 17.3    | 4.3     | 1.3     |
| 11, 107-109                           | Influenza and pneumonia (all forms)                    | 122,441                                   | 203.4                  | 162.1   | 208.0   | 123.4   | 102.7   | 107.8   | 95.6    | 96.7                                          | 202.2   | 174.4   | 209.2   | 97.9    | 88.8    |
| 107                                   | Influenza                                              | 21,868                                    | 22.9                   | 14.4    | 70.9    | 29.7    | 19.5    | 30.9    | 26.4    | 17.3                                          | 26.7    | 15.5    | 54.9    | 11.1    | 9.6     |
| 107                                   | Bronchopneumonia <sup>3</sup>                          | 41,923                                    | 21.9                   | 47.1    | 54.5    | 38.7    | 34.3    | 32.6    | 29.6    | 33.1                                          | 22.8    | 52.6    | 64.8    | 36.7    | 33.2    |
| 108                                   | Lobar pneumonia                                        | 54,794                                    | 158.6                  | 46.4    | 73.0    | 49.9    | 45.4    | 41.2    | 36.4    | 43.3                                          | 152.7   | 52.4    | 82.4    | 48.6    | 44.8    |
| 109                                   | Pneumonia unspecified                                  | 3,866                                     | 5.1                    | 5.1     | 9.5     | 5.1     | 3.5     | 3.1     | 3.2     | 3.0                                           | 53.9    | 7.0     | 1.5     | 1.3     | 1.1     |
| 165                                   | Kryspelas                                              | 1,947                                     | 5.1                    | 4.5     | 3.1     | 2.4     | 2.1     | 1.6     | 1.6     | 1.5                                           | 5.4     | 4.9     | 3.6     | 2.7     | 1.8     |
| 18                                    | Epidemic cerebrospinal meningitis                      | 1,272                                     | (*)                    | 4       | 1.6     | 1.1     | 3.6     | 1.4     | 1.2     | 1.0                                           | (*)     | 3       | 1.8     | 3.6     | 4.7     |
| 23                                    | Tuberculosis of the respiratory system                 | 64,706                                    | 180.5                  | 136.0   | 97.0    | 75.9    | 63.4    | 56.4    | 53.6    | 51.1                                          | 173.3   | 138.1   | 93.1    | 59.1    | 50.0    |
| 24-32                                 | Other forms of tuberculosis                            | 6,903                                     | 21.4                   | 24.3    | 17.0    | 10.8    | 8.1     | 6.4     | 5.9     | 5.5                                           | 21.9    | 26.6    | 18.6    | 6.3     | 5.7     |
| 38                                    | Malaria                                                | 4,520                                     | 7.9                    | 2.2     | 3.6     | 2.1     | 2.9     | 2.1     | 3.7     | 3.6                                           | 6.3     | 1.3     | .2      | .1      | .1      |
| 45-53                                 | Cancer and other malignant tumors                      | 134,428                                   | 63.0                   | 76.2    | 83.2    | 92.8    | 97.2    | 102.2   | 102.2   | 106.2                                         | 64.0    | 83.0    | 98.7    | 117.6   | 131.5   |
| 59                                    | Diabetes mellitus                                      | 28,000                                    | 9.7                    | 14.9    | 16.0    | 16.9    | 19.0    | 22.0    | 21.3    | 22.1                                          | 11.0    | 17.6    | 20.4    | 24.0    | 29.1    |
| 82a, c                                | Cerebral hemorrhage and softening                      | 97,868                                    | 71.5                   | 75.7    | 81.7    | 81.0    | 81.0    | 79.4    | 75.8    | 77.3                                          | 76.5    | 88.0    | 96.4    | 82.7    | 80.2    |
| 90-93, 94a, 95                        | Diseases of the heart <sup>4</sup>                     | 269,557                                   | 132.1                  | 158.8   | 159.1   | 185.7   | 205.5   | 209.2   | 206.0   | 212.9                                         | 137.4   | 189.9   | 197.6   | 253.2   | 267.6   |
| 106                                   | Bronchitis                                             | 4,145                                     | 45.7                   | 23.4    | 13.2    | 6.5     | 4.2     | 3.6     | 3.2     | 3.3                                           | 45.2    | 26.6    | 17.1    | 4.9     | 3.5     |
| 119, 120                              | Diarrhea and enteritis <sup>5</sup>                    | 23,211                                    | 133.2                  | 117.4   | 54.3    | 39.4    | 26.3    | 16.3    | 17.2    | 18.3                                          | 139.9   | 119.4   | 55.6    | 17.4    | 10.2    |
| 121                                   | Appendicitis                                           | 18,129                                    | 9.7                    | 11.4    | 13.4    | 15.2    | 15.3    | 14.2    | 14.1    | 14.3                                          | 8.8     | 11.1    | 13.2    | 15.8    | 14.4    |
| 122                                   | Hernia, intestinal obstruction <sup>6</sup>            | 13,023                                    | 12.2                   | 12.4    | 10.6    | 10.8    | 10.3    | 10.2    | 10.0    | 10.3                                          | 11.9    | 12.6    | 11.1    | 10.3    | 10.1    |
| 124                                   | Cirrhosis of the liver                                 | 9,733                                     | 12.9                   | 13.9    | 7.1     | 7.3     | 7.2     | 7.2     | 7.4     | 7.7                                           | 12.6    | 14.4    | 7.7     | 7.8     | 8.8     |
| 130-132                               | Nephritis                                              | 106,584                                   | 89.0                   | 99.1    | 89.2    | 96.5    | 90.8    | 87.2    | 83.0    | 84.2                                          | 88.7    | 107.3   | 97.4    | 85.8    | 85.6    |
| 140, 142a, 145                        | Puerperal septicemia                                   | 5,118                                     | 5.7                    | 7.2     | 6.6     | 5.5     | 4.6     | 4.1     | 3.9     | 4.0                                           | 5.8     | 6.7     | 6.0     | 3.9     | 3.2     |
| 141, 142b, 143, 144, 146-150, 157-161 | Other puerperal causes                                 | 7,741                                     | 7.6                    | 8.5     | 12.5    | 9.3     | 8.2     | 7.0     | 6.4     | 6.1                                           | 7.6     | 8.4     | 11.5    | 6.7     | 4.9     |
| 163-171                               | Congenital malformations and diseases of early infancy | 66,988                                    | 91.8                   | 88.1    | 84.7    | 74.0    | 60.9    | 53.2    | 50.6    | 52.9                                          | 88.2    | 94.6    | 90.8    | 60.6    | 48.5    |
| 172-175                               | Suicide                                                | 18,828                                    | 11.5                   | 16.0    | 10.2    | 12.1    | 15.6    | 17.4    | 15.9    | 14.9                                          | 10.2    | 15.4    | 10.9    | 16.9    | 16.4    |
| 206                                   | Homicide                                               | 12,055                                    | 2.1                    | 5.9     | 7.1     | 8.6     | 9.0     | 9.2     | 9.6     | 9.5                                           | 1.2     | 3.9     | 4.2     | 5.1     | 4.4     |
| 208                                   | Automobile and railroad train collision                | 1,457                                     | (*)                    | (*)     | (*)     | 1.2     | 1.5     | 1.2     | 1.1     | 1.2                                           | (*)     | (*)     | (*)     | 1.3     | 1.0     |
| 210                                   | Automobile and street car collision                    | 332                                       | (*)                    | (*)     | (*)     | 1.5     | 4       | .3      | .3      | .3                                            | (*)     | (*)     | (*)     | .2      | .2      |
| 210                                   | Automobile accidents <sup>7</sup>                      | 33,980                                    | (*)                    | 1.8     | 10.4    | 17.1    | 24.5    | 21.9    | 23.8    | 26.8                                          | (*)     | 2.0     | 12.1    | 25.0    | 25.8    |
|                                       | Other external causes                                  | 65,370                                    | 78.0                   | 82.6    | 60.9    | 59.7    | 54.2    | 48.1    | 47.7    | 51.6                                          | 72.3    | 75.8    | 53.5    | 51.3    | 49.8    |

<sup>1</sup> See general note, p. 80.

<sup>2</sup> Entire registration area.

<sup>3</sup> Includes capillary bronchitis.

<sup>4</sup> Not separately tabulated.

<sup>5</sup> Excludes diseases of coronary arteries.

<sup>6</sup> Includes ulcer of the duodenum from 1900 to 1920.

<sup>7</sup> Includes adhesions of intestines from 1900 to 1920.

<sup>8</sup> Excludes collisions with railroad trains and street cars.

Source: Bureau of the Census. Department of Commerce.

# No. 79.—DEATHS: RATE PER 1,000 ESTIMATED POPULATION, BY REGISTRATION CITIES HAVING 100,000 OR MORE INHABITANTS IN 1930

NOTE.—See general note, p. 80. Blanks indicate lack of data or unsatisfactory data

| City               | Rate per 1,000 population |      |      |      |      | City               | Rate per 1,000 population |      |      |      |      |
|--------------------|---------------------------|------|------|------|------|--------------------|---------------------------|------|------|------|------|
|                    | 1920                      | 1925 | 1930 | 1932 | 1933 |                    | 1920                      | 1925 | 1930 | 1932 | 1933 |
| Akron              | 11.7                      | 8.6  | 7.8  | 7.5  | 7.5  | Lynn               | 12.8                      | 11.6 | 10.3 | 10.1 | 10.0 |
| Albany             | 15.7                      | 15.3 | 14.8 | 13.7 | 14.4 | Memphis            | 19.8                      | 18.5 | 17.8 | 16.8 | 16.7 |
| Atlanta            | 17.1                      | 16.1 | 15.5 | 14.0 | 14.1 | White              | 15.6                      | 15.8 | 15.6 | 15.6 | 15.9 |
| White              | 14.6                      | 12.0 | 11.6 | 11.1 | 10.9 | Colored            | 20.8                      | 20.2 | 22.5 | 22.0 | 22.0 |
| Colored            | 22.8                      | 24.8 | 23.8 | 19.7 | 20.4 | Miami              | 15.0                      |      | 11.1 | 11.6 | 11.5 |
| Baltimore          | 15.4                      | 15.1 | 13.9 | 13.2 | 13.2 | White              | 12.6                      |      | 8.9  | 10.4 | 10.2 |
| White              | 14.0                      | 13.5 | 12.7 | 12.1 | 12.3 | Colored            | 20.7                      |      | 15.2 | 15.6 | 15.7 |
| Colored            | 23.2                      | 25.1 | 19.6 | 18.5 | 17.2 | Milwaukee          | 11.7                      | 10.6 | 9.6  | 8.8  | 8.2  |
| Birmingham         | 16.3                      | 15.8 | 13.6 | 11.9 | 11.4 | Minneapolis        | 12.3                      | 11.7 | 10.8 | 10.9 | 10.6 |
| White              | 12.3                      | 11.7 | 10.0 | 9.3  | 9.2  | Nashville          | 18.1                      | 17.0 | 16.3 | 15.5 | 15.3 |
| Colored            | 22.6                      | 22.4 | 19.3 | 16.2 | 15.0 | White              | 16.6                      | 14.1 | 13.7 | 13.2 | 13.7 |
| Boston             | 15.5                      | 15.1 | 14.1 | 13.9 | 14.1 | Colored            | 24.0                      | 24.1 | 23.1 | 19.8 | 19.5 |
| Bridgeport         | 13.0                      | 10.6 | 10.9 | 10.4 | 10.8 | Newark, N. J.      | 12.9                      | 12.4 | 11.9 | 10.5 | 11.0 |
| Buffalo            | 14.7                      | 13.7 | 12.9 | 12.5 | 12.1 | New Bedford        | 14.4                      | 12.0 | 11.0 | 11.0 | 11.8 |
| Cambridge          | 14.9                      | 12.8 | 11.8 | 12.1 | 12.3 | New Haven          | 14.6                      | 13.4 | 13.0 | 12.2 | 12.9 |
| Camden             | 14.9                      | 15.1 | 13.4 | 14.4 | 12.9 | New Orleans        | 17.6                      | 18.7 | 17.4 | 16.0 | 16.0 |
| Canton             | 12.6                      | 11.6 | 9.7  | 9.4  | 8.0  | White              | 14.6                      | 14.7 | 14.4 | 14.0 | 13.5 |
| Chattanooga        | 19.4                      | 21.7 | 15.7 | 12.7 | 12.7 | Colored            | 29.2                      | 20.0 | 25.1 | 22.2 | 22.6 |
| White              | 15.5                      | 15.1 | 12.2 | 10.2 | 10.0 | New York           | 12.9                      | 11.4 | 10.8 | 10.5 | 10.5 |
| Colored            | 27.6                      | 28.2 | 24.3 | 19.3 | 17.4 | Bronx Boro.        | 10.4                      | 8.1  | 7.9  | 8.7  | 8.1  |
| Chicago            | 12.7                      | 11.2 | 10.4 | 9.9  | 10.0 | Brooklyn Boro.     | 12.6                      | 10.8 | 9.8  | 9.7  | 9.7  |
| Cincinnati         | 15.0                      | 15.2 | 15.5 | 14.8 | 14.2 | Manhattan Boro.    | 14.4                      | 14.5 | 16.0 | 15.5 | 15.6 |
| White              | 14.3                      | 14.4 | 14.6 | 14.2 | 13.5 | Queens Boro.       | 11.0                      | 8.8  | 7.1  | 6.9  | 6.8  |
| Colored            | 23.8                      | 25.8 | 23.5 | 20.0 | 20.3 | Richmond Boro.     | 15.0                      | 13.4 | 13.8 | 14.1 | 14.3 |
| Cleveland          | 12.5                      | 11.4 | 11.0 | 10.7 | 10.0 | Norfolk            | 15.5                      | 12.9 | 13.6 | 12.9 | 13.0 |
| Columbus           | 14.8                      | 14.4 | 15.3 | 13.6 | 13.4 | White              | 12.1                      | 8.3  | 10.1 | 10.2 | 9.8  |
| White              | 14.2                      | 13.6 | 15.0 | 16.0 | 12.8 | Colored            | 21.1                      | 19.2 | 20.4 | 18.0 | 18.1 |
| Colored            | 21.1                      | 21.6 | 18.3 | 16.1 | 15.2 | Oakland            | 11.8                      | 10.2 | 11.1 | 10.7 | 10.5 |
| Dallas             | 13.3                      | 12.5 | 11.5 | 11.1 | 11.4 | Oklahoma City      | 11.9                      | 8.1  | 11.2 | 10.6 | 10.2 |
| White              | 12.0                      | 11.3 | 10.2 | 9.9  | 10.8 | Omaha              | 14.4                      | 13.8 | 13.3 | 12.6 | 12.1 |
| Colored            | 20.4                      | 19.6 | 18.3 | 13.3 | 17.8 | Paterson           | 12.8                      | 12.5 | 12.0 | 12.4 | 12.4 |
| Dayton             | 12.2                      | 11.0 | 11.9 | 11.8 | 11.0 | Peoria             | 15.1                      | 12.6 | 12.3 | 11.1 | 10.6 |
| Denver             | 17.4                      | 15.1 | 15.0 | 14.8 | 13.5 | Philadelphia       | 14.5                      | 13.6 | 12.5 | 12.1 | 11.8 |
| Des Moines         | 17.2                      | 12.0 | 12.4 | 11.4 | 11.4 | White              | 14.0                      | 13.1 | 12.1 | 11.7 | 11.2 |
| Detroit            | 13.5                      | 11.0 | 9.3  | 7.9  | 7.5  | Colored            | 20.0                      | 20.2 | 16.1 | 14.7 | 14.4 |
| Duluth             | 10.2                      | 11.1 | 11.7 | 11.3 | 10.4 | Pittsburgh         | 10.4                      | 15.0 | 13.9 | 13.8 | 11.0 |
| Elizabeth          | 12.7                      | 11.3 | 11.5 | 10.4 | 10.6 | Portland, Oreg.    | 12.2                      | 11.9 | 12.1 | 11.2 | 11.4 |
| El Paso            | 28.1                      | 19.2 | 17.7 | 14.0 | 13.7 | Providence         | 15.5                      | 13.5 | 12.9 | 13.0 | 12.3 |
| White              | 27.9                      |      | 17.5 | 13.8 | 13.6 | Reading            | 14.4                      | 13.4 | 11.1 | 11.9 | 10.9 |
| Colored            | 26.7                      |      | 17.7 | 18.6 | 18.6 | Richmond           | 10.6                      | 15.4 | 14.0 | 14.2 | 13.8 |
| Erie               | 13.7                      | 11.8 | 11.2 | 11.1 | 11.0 | White              | 19.4                      | 12.7 | 12.3 | 11.8 | 11.7 |
| Evansville         | 13.0                      | 12.3 | 12.0 | 10.7 | 11.0 | Colored            | 23.3                      | 21.8 | 21.4 | 20.2 | 19.0 |
| Fall River         | 14.7                      | 13.5 | 11.5 | 11.4 | 13.3 | Rochester          | 12.7                      | 12.2 | 11.5 | 11.7 | 11.3 |
| Flint              | 11.8                      | 7.8  | 8.9  | 7.5  | 7.0  | St. Louis          | 14.1                      | 14.2 | 13.0 | 13.3 | 12.7 |
| Fort Wayne         | 13.2                      | 11.4 | 11.0 | 10.1 | 9.7  | White              | 13.5                      | 13.1 | 13.1 | 12.4 | 11.9 |
| Fort Worth         |                           | 10.4 | 11.0 | 10.5 | 10.7 | Colored            | 19.9                      | 23.4 | 20.7 | 20.2 | 18.5 |
| White              |                           | 9.9  | 10.1 | 9.8  | 9.8  | St. Paul           | 12.5                      | 12.3 | 10.6 | 10.3 | 10.4 |
| Colored            |                           | 19.8 | 16.5 | 15.2 | 13.5 | Salt Lake City     | 14.3                      | 11.8 | 12.9 | 11.1 | 10.9 |
| Gary               | 13.8                      | 13.0 | 9.6  | 8.0  | 8.3  | San Antonio        | 16.2                      | 15.2 | 10.9 | 14.4 | 14.3 |
| White              |                           |      |      | 7.0  | 7.0  | White              | 16.1                      | 15.0 | 15.7 | 14.9 | 14.2 |
| Colored            |                           |      |      | 12.4 | 13.0 | Colored            | 16.8                      | 17.2 | 17.7 | 16.1 | 15.2 |
| Grand Rapids       | 13.2                      | 11.5 | 10.0 | 9.0  | 9.2  | San Diego          | 17.0                      | 15.0 | 14.5 | 14.4 | 13.9 |
| Hartford           | 16.5                      | 13.5 | 13.0 | 12.2 | 12.2 | San Francisco      | 14.2                      | 12.9 | 13.0 | 12.7 | 12.5 |
| Houston            | 13.5                      | 12.8 | 12.2 | 11.2 | 11.1 | Scranton           | 14.9                      | 13.9 | 12.8 | 12.9 | 13.1 |
| White              | 12.0                      | 10.8 | 10.3 | 9.8  | 9.9  | Seattle            | 10.7                      | 9.8  | 10.9 | 11.2 | 11.1 |
| Colored            | 18.2                      | 19.4 | 19.1 | 16.4 | 15.4 | Somerville         | 12.0                      | 11.2 | 9.7  | 8.8  | 9.3  |
| Indianapolis       | 14.6                      | 14.5 | 14.2 | 12.9 | 13.1 | South Bend         | 12.7                      | 11.0 | 9.1  | 7.7  | 7.7  |
| White              | 13.8                      | 13.3 | 13.5 | 12.4 | 12.0 | Spokane            | 14.1                      | 12.4 | 12.5 | 11.5 | 11.9 |
| Colored            | 21.1                      | 20.1 | 19.6 | 16.6 | 16.7 | Springfield, Mass. | 13.1                      | 12.7 | 11.8 | 11.1 | 11.2 |
| Jacksonville, Fla. | 16.9                      | 16.7 | 15.2 | 14.4 | 15.0 | Syracuse           | 15.2                      | 12.2 | 11.7 | 11.8 | 11.2 |
| White              | 14.1                      | 12.7 | 11.8 | 10.5 | 11.3 | Tacoma             | 12.9                      | 12.3 | 12.8 | 12.8 | 13.1 |
| Colored            | 20.3                      | 22.5 | 21.0 | 21.5 | 21.9 | Tampa              | 13.4                      | 14.6 | 11.6 | 11.3 | 11.5 |
| Jersey City        | 14.1                      | 11.9 | 11.3 | 11.1 | 10.8 | White              | 11.9                      | 12.1 | 10.4 | 10.6 | 10.1 |
| Kansas City, Kans. | 14.5                      | 14.1 | 13.7 | 12.9 | 12.9 | Colored            | 20.8                      | 24.2 | 15.9 | 13.8 | 16.5 |
| White              | 19.6                      | 12.4 | 13.1 | 12.4 | 12.3 | Toledo             | 13.9                      | 13.0 | 12.6 | 11.6 | 11.6 |
| Colored            | 20.6                      | 23.5 | 16.9 | 15.7 | 16.0 | Trenton            | 15.8                      | 15.4 | 15.3 | 14.2 | 13.3 |
| Kansas City, Mo.   | 16.1                      | 13.9 | 13.2 | 12.6 | 12.5 | Tulsa              |                           |      | 9.9  | 8.3  | 8.4  |
| White              | 15.2                      | 12.7 |      | 11.7 | 11.6 | White              |                           |      | 2.2  | 8.0  | 7.9  |
| Colored            | 24.9                      | 25.4 |      | 20.6 | 21.0 | Colored            |                           |      | 15.4 | 10.5 | 11.5 |
| Knoxville          | 17.0                      | 14.2 | 14.1 | 12.3 | 11.8 | Utica              | 14.7                      | 15.2 | 14.8 | 14.9 | 14.0 |
| White              | 16.2                      | 12.6 | 13.2 | 11.4 | 11.2 | Washington, D. C.  | 14.7                      | 15.1 | 15.1 | 16.1 | 15.9 |
| Colored            | 21.7                      | 22.7 | 13.5 | 10.7 | 15.0 | White              | 12.7                      | 12.6 | 12.9 | 14.0 | 13.3 |
| Long Beach         | 12.8                      | 11.7 | 10.4 | 10.1 | 9.5  | Colored            | 20.8                      | 22.2 | 21.0 | 21.6 | 22.8 |
| Los Angeles        | 13.6                      | 12.5 | 11.2 | 11.1 | 10.9 | Wichita            | 15.0                      | 11.8 | 11.9 | 9.9  | 9.3  |
| White              | 19.4                      | 12.4 |      | 11.1 | 10.9 | Wilmington, Del.   | 14.2                      | 13.2 | 14.6 | 14.0 | 14.7 |
| Colored            | 17.1                      | 14.0 |      | 11.5 | 11.2 | White              | 13.2                      | 12.6 | 13.6 | 13.3 | 13.8 |
| Louisville         | 15.0                      | 14.3 | 14.3 | 13.7 | 13.2 | Colored            | 23.0                      | 20.0 | 23.1 | 19.2 | 21.7 |
| White              | 13.6                      | 12.0 | 12.6 | 11.5 | 11.3 | Worcester          | 14.8                      | 13.5 | 12.8 | 12.1 | 12.6 |
| Colored            | 21.9                      | 22.1 | 23.2 | 20.3 | 20.3 | Yonkers            | 11.3                      | 9.6  | 8.4  | 8.6  | 8.6  |
| Lowell             | 15.8                      | 14.6 | 13.2 | 12.9 | 13.3 | Youngstown         | 13.0                      | 11.8 | 10.5 | 9.6  | 9.1  |

Source: Bureau of the Census, Department of Commerce.

## No. 80.—BIRTHS, DEATHS, AND DEATHS UNDER 1 YEAR OF AGE IN THE BIRTH REGISTRATION AREA: BY SEX

NOTE.—See general note, p. 80

| Year      | Entire area                                  |                                    |                              |           |           |           |           |         |         |
|-----------|----------------------------------------------|------------------------------------|------------------------------|-----------|-----------|-----------|-----------|---------|---------|
|           | Population of registration area <sup>1</sup> | Per cent of U. S. total population | Per cent of U. S. total area | Births    |           |           | Deaths    |         |         |
|           |                                              |                                    |                              | Total     | Males     | Females   | Total     | Males   | Females |
| 1915..... | 30,938,179                                   | 31.1                               | 9.8                          | 776,304   | 398,615   | 377,689   | 436,593   | 234,871 | 201,722 |
| 1918..... | 55,515,241                                   | 53.6                               | 26.7                         | 1,353,649 | 701,164   | 652,485   | 996,627   | 534,720 | 461,907 |
| 1919..... | 61,433,423                                   | 58.8                               | 36.2                         | 1,373,438 | 705,593   | 667,845   | 798,104   | 422,252 | 375,852 |
| 1920..... | 63,740,689                                   | 59.8                               | 38.7                         | 1,508,874 | 775,322   | 733,552   | 830,134   | 438,201 | 397,933 |
| 1921..... | 70,738,177                                   | 65.4                               | 40.7                         | 1,714,261 | 881,591   | 832,670   | 825,511   | 434,019 | 391,492 |
| 1922..... | 78,415,841                                   | 72.3                               | 50.7                         | 1,774,911 | 911,831   | 863,080   | 938,545   | 497,967 | 440,578 |
| 1923..... | 80,694,406                                   | 72.3                               | 50.7                         | 1,792,646 | 921,020   | 871,626   | 992,237   | 528,429 | 463,808 |
| 1924..... | 80,256,025                                   | 76.2                               | 55.8                         | 1,930,614 | 992,431   | 938,183   | 1,006,994 | 542,637 | 464,357 |
| 1925..... | 87,486,096                                   | 76.2                               | 55.6                         | 1,878,880 | 966,973   | 911,907   | 1,030,518 | 555,267 | 475,251 |
| 1926..... | 89,582,479                                   | 77.0                               | 63.2                         | 1,856,068 | 953,638   | 902,430   | 1,093,511 | 589,653 | 503,858 |
| 1927..... | 103,575,656                                  | 87.6                               | 72.0                         | 2,137,836 | 1,099,287 | 1,038,549 | 1,176,805 | 638,080 | 538,725 |
| 1928..... | 113,050,663                                  | 94.3                               | 80.8                         | 2,233,149 | 1,147,625 | 1,085,524 | 1,361,987 | 738,891 | 623,096 |
| 1929..... | 115,097,972                                  | 94.7                               | 83.6                         | 2,169,920 | 1,114,814 | 1,055,106 | 1,399,757 | 745,491 | 624,266 |
| 1930..... | 116,044,000                                  | 94.7                               | 83.6                         | 2,208,958 | 1,181,976 | 1,026,982 | 1,321,957 | 723,515 | 598,442 |
| 1931..... | *117,460,000                                 | 94.7                               | 83.6                         | 2,112,760 | 1,034,404 | 1,028,356 | 1,301,405 | 714,277 | 587,128 |
| 1932..... | *118,858,000                                 | 95.2                               | 81.2                         | 2,074,642 | 1,063,885 | 1,010,757 | 1,293,299 | 704,506 | 588,793 |
| 1933..... | *125,939,000                                 | 100.0                              | 100.0                        | 2,081,232 | 1,068,871 | 1,012,361 | 1,342,100 | 737,812 | 604,294 |
| 1934..... | *126,626,000                                 | 100.0                              | 100.0                        | 2,167,636 | 1,112,703 | 1,054,933 | 1,396,903 | 772,595 | 624,308 |

| Year      | Entire area—Continued        |                                     |        |                  |                                   |              | Area as of 1917 <sup>3</sup>        |        |
|-----------|------------------------------|-------------------------------------|--------|------------------|-----------------------------------|--------------|-------------------------------------|--------|
|           | Excess of births over deaths | Rates per 1,000 of total population |        |                  | Number of males per 1,000 females |              | Rates per 1,000 of total population |        |
|           |                              | Births                              | Deaths | Excess of births | Among births                      | Among deaths | Births                              | Deaths |
| 1915..... | 339,711                      | 25.1                                | 14.1   | 11.0             | 1,055                             | 1,164        | 24.5                                | 17.9   |
| 1918..... | 367,022                      | 24.6                                | 18.3   | 6.3              | 1,058                             | 1,153        | 22.6                                | 12.9   |
| 1919..... | 575,334                      | 22.3                                | 13.0   | 9.3              | 1,057                             | 1,123        | 23.9                                | 13.2   |
| 1920..... | 672,740                      | 23.7                                | 13.1   | 10.6             | 1,057                             | 1,101        | 24.5                                | 11.7   |
| 1921..... | 888,750                      | 24.2                                | 11.7   | 12.5             | 1,059                             | 1,100        | 22.8                                | 11.9   |
| 1922..... | 836,366                      | 22.3                                | 11.8   | 10.5             | 1,056                             | 1,130        | 22.8                                | 12.5   |
| 1923..... | 800,409                      | 22.2                                | 12.3   | 9.9              | 1,057                             | 1,139        | 22.9                                | 11.8   |
| 1924..... | 923,820                      | 22.4                                | 11.7   | 10.7             | 1,058                             | 1,169        | 21.9                                | 12.0   |
| 1925..... | 848,362                      | 21.5                                | 11.8   | 9.7              | 1,060                             | 1,168        | 21.0                                | 12.4   |
| 1926..... | 762,557                      | 20.7                                | 12.2   | 8.5              | 1,057                             | 1,170        | 20.8                                | 11.5   |
| 1927..... | 961,031                      | 20.6                                | 11.4   | 9.2              | 1,058                             | 1,184        | 20.0                                | 12.2   |
| 1928..... | 871,162                      | 19.8                                | 12.0   | 7.8              | 1,057                             | 1,186        | 19.0                                | 12.1   |
| 1929..... | 800,163                      | 18.9                                | 11.9   | 7.0              | 1,057                             | 1,194        | 18.9                                | 11.5   |
| 1930..... | 882,591                      | 18.9                                | 11.3   | 7.6              | 1,056                             | 1,203        | 17.8                                | 11.2   |
| 1931..... | 811,355                      | 18.0                                | 11.1   | 6.9              | 1,055                             | 1,217        | 17.3                                | 11.1   |
| 1932..... | 780,773                      | 17.4                                | 10.9   | 6.5              | 1,053                             | 1,197        | 16.2                                | 10.9   |
| 1933..... | 739,125                      | 16.6                                | 10.7   | 5.9              | 1,056                             | 1,219        | 16.4                                | 11.2   |
| 1934..... | 770,733                      | 17.1                                | 11.0   | 6.1              | 1,055                             | 1,238        |                                     |        |

| Year      | Deaths under 1 year of age in entire birth registration area |        |         |                         |             |               |                                               |
|-----------|--------------------------------------------------------------|--------|---------|-------------------------|-------------|---------------|-----------------------------------------------|
|           | Number                                                       |        |         | Deaths per 1,000 births |             |               | Number of male deaths per 1,000 female deaths |
|           | Total                                                        | Males  | Females | Among total             | Among males | Among females |                                               |
| 1915..... | 77,572                                                       | 43,818 | 33,754  | 100                     | 110         | 89            | 1,298                                         |
| 1920..... | 129,531                                                      | 73,737 | 55,794  | 86                      | 95          | 76            | 1,322                                         |
| 1925..... | 134,652                                                      | 76,902 | 57,750  | 72                      | 80          | 63            | 1,332                                         |
| 1927..... | 138,017                                                      | 78,652 | 59,365  | 65                      | 72          | 57            | 1,325                                         |
| 1928..... | 153,492                                                      | 87,676 | 65,816  | 69                      | 76          | 61            | 1,332                                         |
| 1929..... | 146,661                                                      | 83,144 | 63,517  | 68                      | 75          | 60            | 1,309                                         |
| 1930..... | 142,413                                                      | 80,744 | 61,669  | 65                      | 71          | 58            | 1,309                                         |
| 1931..... | 130,134                                                      | 74,056 | 56,078  | 62                      | 68          | 55            | 1,321                                         |
| 1932..... | 119,431                                                      | 67,839 | 51,592  | 58                      | 64          | 51            | 1,315                                         |
| 1933..... | 120,887                                                      | 68,331 | 52,556  | 58                      | 64          | 52            | 1,300                                         |
| 1934..... | 130,185                                                      | 73,950 | 56,235  | 60                      | 67          | 53            | 1,315                                         |

<sup>1</sup> Midyear estimates. <sup>2</sup> See third paragraph of general note, p. 80.<sup>3</sup> Exclusive of Rhode Island.

Source: Bureau of the Census, Department of Commerce.

## No. 81.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: BY STATES

NOTE.—See general note, p. 80. For number of deaths in each State see table 77; for number in entire birth registration area see table 80

| Area                                       | Number of births |                  |                  |           |           | Excess of births over deaths <sup>1</sup> |                  |         |         |
|--------------------------------------------|------------------|------------------|------------------|-----------|-----------|-------------------------------------------|------------------|---------|---------|
|                                            | 1920             | 1925             | 1930             | 1933      | 1934      | 1925                                      | 1930             | 1933    | 1934    |
| Total birth registration area.....         | 1,508,874        | 1,879,880        | 2,203,958        | 2,081,232 | 2,187,636 | 848,362                                   | 882,581          | 739,126 | 770,738 |
| White.....                                 | 1,395,523        | 1,731,689        | 1,953,163        | 1,823,512 | 1,866,231 | 803,481                                   | 821,066          | 661,114 | 671,476 |
| Colored.....                               | 113,351          | 147,211          | 250,795          | 257,720   | 301,406   | 44,881                                    | 60,986           | 78,012  | 99,258  |
| Cities in birth registration area.....     | 763,209          | 964,302          | 1,080,674        | 943,054   | 981,503   | 408,352                                   | 335,971          | 249,807 | 257,032 |
| Rural part of birth registration area..... | 745,665          | 914,578          | 1,123,284        | 1,138,178 | 1,186,133 | 440,010                                   | 496,620          | 489,319 | 513,701 |
| Alabama.....                               | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 63,757           | 59,338    | 63,495    | ( <sup>2</sup> )                          | 33,335           | 32,234  | 34,134  |
| White.....                                 | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 40,736           | 36,568    | 39,541    | ( <sup>2</sup> )                          | 24,772           | 21,735  | 23,595  |
| Colored.....                               | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 22,976           | 22,680    | 23,954    | ( <sup>2</sup> )                          | 8,665            | 10,501  | 10,741  |
| Arizona.....                               | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 10,376           | 8,125     | 8,492     | ( <sup>2</sup> )                          | 3,697            | 2,586   | 2,845   |
| Arkansas.....                              | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 14,058           | 36,800    | 37,515    | ( <sup>2</sup> )                          | 22,143           | 10,203  | 20,627  |
| White.....                                 | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 38,008           | 27,706    | 28,558    | ( <sup>2</sup> )                          | 19,634           | 16,169  | 16,986  |
| Colored.....                               | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 8,084            | 8,094     | 8,957     | ( <sup>2</sup> )                          | 2,510            | 3,034   | 3,691   |
| California.....                            | 67,199           | 86,204           | 84,206           | 75,036    | 78,346    | 28,404                                    | 17,957           | 7,000   | 10,261  |
| White.....                                 | 60,739           | 78,362           | 76,568           | 70,812    | 69,433    | 24,610                                    | 16,616           | 6,067   | 2,193   |
| Colored.....                               | 6,460            | 6,342            | 7,638            | 4,224     | 8,913     | 3,794                                     | 1,342            | 893     | 8,068   |
| Colorado.....                              | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 13,814           | 17,180    | 17,849    | ( <sup>2</sup> )                          | 5,607            | 5,219   | 5,352   |
| Connecticut.....                           | 34,090           | 29,736           | 27,693           | 22,487    | 22,215    | 12,056                                    | 10,406           | 4,893   | 4,777   |
| Delaware.....                              | ( <sup>2</sup> ) | 4,674            | 4,474            | 3,922     | 3,988     | 1,659                                     | 1,218            | 613     | 634     |
| District of Columbia.....                  | 8,823            | 9,107            | 9,376            | 9,955     | 10,137    | 2,092                                     | 1,983            | 2,093   | 1,863   |
| White.....                                 | 8,319            | 8,345            | 8,384            | 8,510     | 8,624     | 1,958                                     | 1,789            | 1,799   | 1,658   |
| Colored.....                               | 5,504            | 8,362            | 3,052            | 5,436     | 5,513     | 140                                       | 200              | 814     | 986     |
| Florida.....                               | ( <sup>2</sup> ) | 29,403           | 26,993           | 25,686    | 26,716    | 13,641                                    | 8,764            | 6,907   | 6,359   |
| White.....                                 | ( <sup>2</sup> ) | 20,160           | 18,608           | 17,608    | 18,008    | 10,000                                    | 7,666            | 6,038   | 5,871   |
| Colored.....                               | ( <sup>2</sup> ) | 9,243            | 8,391            | 8,078     | 8,708     | 3,641                                     | 1,098            | 860     | 468     |
| Georgia.....                               | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 60,689           | 60,984    | 64,061    | ( <sup>2</sup> )                          | 26,506           | 20,780  | 20,081  |
| White.....                                 | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 37,885           | 35,872    | 38,593    | ( <sup>2</sup> )                          | 12,892           | 10,018  | 10,236  |
| Colored.....                               | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 22,804           | 25,108    | 25,468    | ( <sup>2</sup> )                          | 13,614           | 10,762  | 9,846   |
| Idaho.....                                 | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 9,177            | 8,557     | 9,373     | ( <sup>2</sup> )                          | 5,006            | 4,501   | 4,966   |
| Illinois.....                              | ( <sup>2</sup> ) | 135,437          | 128,121          | 107,910   | 110,226   | 53,844                                    | 44,830           | 25,597  | 23,021  |
| Indiana.....                               | 64,809           | 64,342           | 59,278           | 50,480    | 52,349    | 25,710                                    | 20,082           | 12,471  | 11,999  |
| Iowa.....                                  | ( <sup>2</sup> ) | 47,760           | 42,733           | 39,575    | 42,463    | 23,468                                    | 16,505           | 13,610  | 15,705  |
| Kansas.....                                | 36,632           | 36,716           | 33,707           | 30,755    | 32,463    | 13,135                                    | 14,202           | 11,142  | 12,702  |
| Kentucky.....                              | 62,888           | 63,507           | 59,262           | 55,325    | 59,604    | 35,120                                    | 29,700           | 26,805  | 20,756  |
| White.....                                 | 53,747           | 56,088           | 55,281           | 52,082    | 56,858    | 35,552                                    | 31,069           | 27,762  | 31,153  |
| Colored.....                               | 4,141            | 4,419            | 3,981            | 3,243     | 3,046     | 222                                       | 1,869            | 217     | 1,377   |
| Louisiana.....                             | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 42,890           | 39,748    | 43,003    | ( <sup>2</sup> )                          | 18,183           | 16,636  | 19,449  |
| White.....                                 | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 26,166           | 23,246    | 24,877    | ( <sup>2</sup> )                          | 13,643           | 11,108  | 12,476  |
| Colored.....                               | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 16,724           | 16,502    | 18,126    | ( <sup>2</sup> )                          | 4,540            | 5,528   | 7,973   |
| Maine.....                                 | 17,328           | 17,463           | 16,199           | 15,123    | 15,790    | 6,661                                     | 5,117            | 4,021   | 4,823   |
| Maryland.....                              | 36,212           | 33,864           | 30,251           | 27,440    | 27,840    | 12,236                                    | 8,684            | 6,830   | 6,884   |
| White.....                                 | 23,458           | 27,124           | 25,834           | 21,288    | 21,264    | 10,921                                    | 7,081            | 6,432   | 6,213   |
| Colored.....                               | 6,760            | 6,740            | 4,417            | 6,152     | 6,076     | 1,255                                     | 1,153            | 1,398   | 1,181   |
| Massachusetts.....                         | 91,692           | 88,037           | 73,616           | 63,445    | 63,828    | 34,316                                    | 24,282           | 12,634  | 13,248  |
| Michigan.....                              | 92,740           | 99,220           | 99,325           | 80,923    | 83,925    | 49,801                                    | 47,705           | 32,887  | 33,483  |
| Minnesota.....                             | 55,908           | 63,776           | 47,418           | 44,514    | 45,921    | 28,340                                    | 21,716           | 10,208  | 19,351  |
| Mississippi.....                           | ( <sup>2</sup> ) | 45,155           | 48,168           | 44,274    | 47,863    | 23,002                                    | 24,064           | 22,608  | 26,031  |
| White.....                                 | ( <sup>2</sup> ) | 22,083           | 23,296           | 20,507    | 22,305    | 13,865                                    | 14,138           | 11,646  | 12,082  |
| Colored.....                               | ( <sup>2</sup> ) | 23,072           | 24,872           | 23,767    | 25,558    | 9,137                                     | 9,926            | 11,062  | 13,949  |
| Missouri.....                              | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 62,166           | 57,277    | 59,185    | ( <sup>2</sup> )                          | 19,067           | 14,785  | 12,646  |
| Montana.....                               | ( <sup>2</sup> ) | 10,234           | 9,971            | 8,953     | 9,949     | 5,046                                     | 4,531            | 3,741   | 4,332   |
| Nebraska.....                              | 30,911           | 29,233           | 27,004           | 24,185    | 25,085    | 16,740                                    | 13,712           | 11,261  | 11,713  |
| Nevada.....                                | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 1,352            | 1,353     | 1,434     | ( <sup>2</sup> )                          | 172              | 120     | 137     |
| New Hampshire.....                         | 9,946            | 9,407            | 8,342            | 7,385     | 7,869     | 2,844                                     | 2,020            | 894     | 1,472   |
| New Jersey.....                            | ( <sup>2</sup> ) | 74,181           | 68,321           | 56,061    | 54,541    | 31,089                                    | 24,724           | 12,664  | 10,722  |
| New Mexico.....                            | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 12,116           | 12,304    | 12,769    | ( <sup>2</sup> )                          | 5,519            | 6,480   | 6,564   |
| New York.....                              | 235,243          | 229,717          | 216,072          | 187,158   | 185,615   | 87,217                                    | 85,619           | 28,708  | 36,527  |
| North Carolina.....                        | 31,407           | 83,716           | 76,772           | 75,422    | 70,704    | 51,168                                    | 40,990           | 44,875  | 44,524  |
| White.....                                 | 27,054           | 67,681           | 65,462           | 61,549    | 54,504    | 37,979                                    | 31,835           | 32,870  | 32,962  |
| Colored.....                               | 24,363           | 26,035           | 25,510           | 23,873    | 26,200    | 15,189                                    | 9,156            | 18,605  | 12,162  |
| North Dakota.....                          | ( <sup>2</sup> ) | 14,471           | 14,783           | 13,189    | 14,549    | 9,426                                     | 9,412            | 7,726   | 8,705   |
| Ohio.....                                  | 123,729          | 126,878          | 118,260          | 95,783    | 100,100   | 53,271                                    | 42,084           | 22,720  | 22,999  |
| Oklahoma.....                              | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 42,506           | 43,697    | 47,302    | ( <sup>2</sup> )                          | 22,859           | 23,388  | 25,929  |
| White.....                                 | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 38,468           | 40,306    | 43,326    | ( <sup>2</sup> )                          | 22,805           | 23,729  | 24,931  |
| Colored.....                               | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 5,037            | 3,382     | 3,976     | ( <sup>2</sup> )                          | 64               | 659     | 995     |
| Oregon.....                                | 14,942           | 16,486           | 13,468           | 12,223    | 13,077    | 5,857                                     | 2,925            | 1,773   | 2,637   |
| Pennsylvania.....                          | 220,462          | 215,120          | 189,468          | 157,046   | 180,238   | 99,375                                    | 77,852           | 50,937  | 50,637  |
| Rhode Island.....                          | ( <sup>2</sup> ) | 14,400           | 12,191           | 10,352    | 10,349    | 6,174                                     | 4,185            | 2,457   | 2,646   |
| South Carolina.....                        | 47,777           | ( <sup>2</sup> ) | 40,460           | 40,319    | 44,265    | ( <sup>2</sup> )                          | 18,027           | 20,993  | 22,958  |
| White.....                                 | 23,813           | ( <sup>2</sup> ) | 20,057           | 19,608    | 21,429    | ( <sup>2</sup> )                          | 10,786           | 11,083  | 13,348  |
| Colored.....                               | 23,964           | ( <sup>2</sup> ) | 20,403           | 20,711    | 22,816    | ( <sup>2</sup> )                          | 7,241            | 9,935   | 10,607  |
| South Dakota.....                          | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 12,859    | 13,173    | ( <sup>2</sup> )                          | ( <sup>2</sup> ) | 6,755   | 6,718   |
| Tennessee.....                             | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 52,852           | 50,148    | 52,993    | ( <sup>2</sup> )                          | 22,685           | 22,025  | 22,081  |
| White.....                                 | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 44,548           | 42,291    | 44,181    | ( <sup>2</sup> )                          | 23,309           | 21,887  | 22,423  |
| Colored.....                               | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 8,108            | 7,857     | 7,812     | ( <sup>2</sup> )                          | -644             | 138     | -348    |

<sup>1</sup> A minus sign indicates an excess of deaths over births.<sup>2</sup> Not in the birth registration area.

## No. 81.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: BY STATES—CON.

| Area               | Number of births |        |        |         |         | Excess of births over deaths <sup>1</sup> |        |        |        |
|--------------------|------------------|--------|--------|---------|---------|-------------------------------------------|--------|--------|--------|
|                    | 1920             | 1925   | 1930   | 1933    | 1934    | 1925                                      | 1930   | 1933   | 1934   |
| Texas.....         | (?)              | (?)    | (?)    | 107,950 | 116,603 | (?)                                       | (?)    | 49,002 | 56,872 |
| White.....         | (?)              | (?)    | (?)    | 94,344  | 87,438  | (?)                                       | (?)    | 45,796 | 44,968 |
| Colored.....       | (?)              | (?)    | (?)    | 13,606  | 29,165  | (?)                                       | (?)    | 3,205  | 11,919 |
| Utah.....          | 14,157           | 13,735 | 12,946 | 11,910  | 12,636  | 9,251                                     | 7,882  | 7,526  | 7,795  |
| Vermont.....       | 7,409            | 7,509  | 6,984  | 6,131   | 6,593   | 2,372                                     | 2,247  | 1,510  | 1,715  |
| Virginia.....      | 65,794           | 61,193 | 54,703 | 51,254  | 52,375  | 31,850                                    | 24,388 | 22,800 | 21,816 |
| White.....         | 45,229           | 42,407 | 38,972 | 35,784  | 37,237  | 24,384                                    | 20,379 | 17,741 | 17,923 |
| Colored.....       | 20,565           | 18,786 | 15,731 | 15,470  | 15,138  | 6,966                                     | 4,009  | 5,059  | 3,893  |
| Washington.....    | 27,072           | 24,741 | 23,019 | 20,832  | 22,540  | 9,461                                     | 6,341  | 4,177  | 4,988  |
| West Virginia..... | (?)              | 45,311 | 41,614 | 36,263  | 41,476  | 28,157                                    | 23,394 | 19,658 | 23,635 |
| Wisconsin.....     | 58,697           | 57,324 | 56,788 | 50,409  | 51,419  | 27,944                                    | 26,235 | 20,896 | 21,020 |
| Wyoming.....       | (?)              | 4,833  | 4,471  | 4,207   | 4,565   | 2,937                                     | 2,392  | 2,232  | 2,469  |

A minus sign indicates an excess of deaths over births. <sup>1</sup> Not in the birth registration area.

Source: Bureau of the Census, Department of Commerce.

## No. 82.—BIRTHS, DEATHS, AND EXCESS OF BIRTHS OVER DEATHS: RATES PER 1,000 POPULATION IN THE BIRTH REGISTRATION AREA

NOTE.—See general note, p. 80

| Area                           | 1920 | 1925 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934  |
|--------------------------------|------|------|------|------|------|------|------|------|------|-------|
| Total birth registration area: |      |      |      |      |      |      |      |      |      |       |
| Births.....                    | 23.7 | 21.5 | 20.6 | 19.8 | 18.9 | 18.9 | 18.0 | 17.4 | 16.6 | 17.1  |
| Deaths.....                    | 13.1 | 11.8 | 11.4 | 12.0 | 11.9 | 11.3 | 11.1 | 10.9 | 10.7 | 11.0  |
| Excess.....                    | 10.6 | 9.7  | 9.2  | 7.8  | 7.0  | 7.6  | 6.9  | 6.5  | 5.9  | 6.1   |
| White:                         |      |      |      |      |      |      |      |      |      |       |
| Births.....                    | 23.4 | 21.2 | 20.4 | 19.5 | 18.6 | 18.6 | 17.7 | 17.0 | 16.1 | ----- |
| Deaths.....                    | 12.7 | 11.4 | 10.9 | 11.5 | 11.3 | 10.8 | 10.6 | 10.5 | 10.3 | ----- |
| Excess.....                    | 10.7 | 9.8  | 9.5  | 8.0  | 7.3  | 7.8  | 7.1  | 6.5  | 5.8  | ----- |
| Colored:                       |      |      |      |      |      |      |      |      |      |       |
| Births.....                    | 26.9 | 25.4 | 23.5 | 22.2 | 21.3 | 21.5 | 20.9 | 21.3 | 20.2 | ----- |
| Deaths.....                    | 18.3 | 17.6 | 16.5 | 17.1 | 16.9 | 16.3 | 15.5 | 14.5 | 14.1 | ----- |
| Excess.....                    | 8.6  | 7.8  | 7.1  | 5.1  | 4.4  | 5.2  | 5.4  | 6.8  | 6.1  | ----- |
| Cities:                        |      |      |      |      |      |      |      |      |      |       |
| Births.....                    | 23.6 | 21.9 | 21.0 | 20.1 | 19.4 | 19.1 | 17.5 | 16.7 | 15.6 | ----- |
| Deaths.....                    | 14.0 | 12.7 | 12.4 | 13.3 | 13.0 | 12.3 | 11.9 | 11.6 | 11.5 | ----- |
| Excess.....                    | 9.9  | 9.2  | 8.6  | 6.8  | 6.4  | 6.8  | 5.6  | 5.1  | 4.1  | ----- |
| Rural:                         |      |      |      |      |      |      |      |      |      |       |
| Births.....                    | 23.5 | 21.0 | 20.3 | 19.5 | 18.4 | 18.7 | 18.4 | 18.1 | 17.4 | ----- |
| Deaths.....                    | 12.2 | 10.9 | 10.4 | 11.0 | 10.9 | 10.5 | 10.3 | 10.2 | 9.9  | ----- |
| Excess.....                    | 11.3 | 10.1 | 9.9  | 8.6  | 7.5  | 8.2  | 8.1  | 7.9  | 7.5  | ----- |

Source: Bureau of the Census, Department of Commerce.

## No. 83.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: RATES PER 1,000 POPULATION, BY STATES

NOTE.—See general note, p. 80

| Area                                       | Births per 1,000 population <sup>1</sup> |      |      |      |      |      |      |       | Excess of births over deaths per 1,000 population <sup>1</sup> |      |      |      |       |
|--------------------------------------------|------------------------------------------|------|------|------|------|------|------|-------|----------------------------------------------------------------|------|------|------|-------|
|                                            | 1920                                     | 1925 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934  | 1925                                                           | 1930 | 1932 | 1933 | 1934  |
| Total birth registration area.....         | 23.7                                     | 21.5 | 18.9 | 18.9 | 18.0 | 17.4 | 16.6 | 17.1  | 9.7                                                            | 7.6  | 6.5  | 5.9  | 6.1   |
| White.....                                 | 23.4                                     | 21.2 | 18.6 | 18.6 | 17.7 | 17.0 | 16.1 | ----- | 9.8                                                            | 7.8  | 6.5  | 5.8  | ----- |
| Colored.....                               | 23.9                                     | 25.4 | 21.3 | 21.5 | 20.9 | 21.3 | 20.2 | ----- | 7.8                                                            | 5.2  | 6.8  | 6.1  | ----- |
| Cities in birth registration area.....     | 23.9                                     | 21.9 | 19.4 | 19.1 | 17.5 | 16.7 | 15.6 | ----- | 9.2                                                            | 6.8  | 5.1  | 4.1  | ----- |
| Rural part of birth registration area..... | 23.5                                     | 21.0 | 18.4 | 18.7 | 18.4 | 18.1 | 17.4 | ----- | 10.1                                                           | 8.2  | 7.9  | 7.5  | ----- |
| Alabama.....                               | (?)                                      | (?)  | 24.0 | 24.0 | 23.5 | 23.5 | 22.0 | 22.7  | (?)                                                            | 12.5 | 13.2 | 12.0 | 12.2  |
| White.....                                 | (?)                                      | (?)  | 24.2 | 23.9 | 23.2 | 22.8 | 20.8 | ----- | (?)                                                            | 14.5 | 14.2 | 13.4 | ----- |
| Colored.....                               | (?)                                      | (?)  | 23.5 | 24.3 | 24.1 | 24.8 | 24.1 | ----- | (?)                                                            | 9.1  | 11.3 | 11.0 | ----- |
| Arizona.....                               | (?)                                      | (?)  | 22.4 | 23.7 | 21.1 | 19.0 | 17.9 | 22.0  | (?)                                                            | 8.5  | 6.9  | 5.7  | 7.1   |
| Arkansas.....                              | (?)                                      | (?)  | 20.2 | 22.1 | 22.0 | 20.1 | 19.1 | 19.0  | (?)                                                            | 11.9 | 11.4 | 10.2 | 10.4  |
| White.....                                 | (?)                                      | (?)  | 21.0 | 23.2 | 22.8 | 20.7 | 19.9 | ----- | (?)                                                            | 14.1 | 12.6 | 11.6 | ----- |
| Colored.....                               | (?)                                      | (?)  | 17.8 | 18.9 | 19.8 | 18.2 | 18.9 | ----- | (?)                                                            | 5.4  | 7.7  | 6.4  | ----- |

<sup>1</sup> See third paragraph of general note p. 80. A minus sign indicates an excess of deaths over births.<sup>2</sup> Not in the birth registration area.

# No. 83.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: RATES PER 1,000 POPULATION, BY STATES—Continued

| Area                 | Births per 1,000 population <sup>1</sup> |      |      |      |      |      |       |                   | Excess of births over deaths per 1,000 population <sup>1</sup> |      |      |       |       |
|----------------------|------------------------------------------|------|------|------|------|------|-------|-------------------|----------------------------------------------------------------|------|------|-------|-------|
|                      | 1920                                     | 1925 | 1929 | 1930 | 1931 | 1932 | 1933  | 1934              | 1925                                                           | 1930 | 1932 | 1933  | 1934  |
| California           | 19.0                                     | 18.4 | 14.8 | 14.7 | 13.9 | 13.1 | 12.4  | 13.9 <sup>2</sup> | 6.1                                                            | 3.1  | 1.7  | 1.2   | 1.8   |
| White                | 18.0                                     | 17.7 | 14.7 | 14.6 | 13.8 | 13.0 | 12.3  | -----             | 5.5                                                            | 3.1  | 1.6  | 1.1   | ----- |
| Colored              | 38.9                                     | 31.2 | 17.2 | 17.1 | 17.2 | 16.0 | 14.7  | -----             | 17.3                                                           | 4.9  | 4.3  | 3.3   | ----- |
| Colorado             | (?)                                      | (?)  | 17.4 | 18.1 | 17.7 | 16.8 | 15.3  | 10.9              | (?)                                                            | 6.4  | 4.8  | 4.9   | 5.1   |
| Connecticut          | 24.5                                     | 19.3 | 17.1 | 17.2 | 15.7 | 14.5 | 13.6  | 13.1              | 8.0                                                            | 6.5  | 4.1  | 3.0   | 2.8   |
| Delaware             | (?)                                      | 20.2 | 18.1 | 18.7 | 17.7 | 17.9 | 16.3  | 16.8              | 6.7                                                            | 5.1  | 4.7  | 3.6   | 2.6   |
| District of Columbia | 20.1                                     | 18.6 | 18.4 | 19.2 | 19.0 | 20.6 | 20.1  | 18.1              | 4.5                                                            | 4.1  | 4.5  | 4.2   | 3.3   |
| White                | 19.3                                     | 18.3 | 17.0 | 17.8 | 17.9 | 19.1 | 18.2  | -----             | 5.7                                                            | 4.9  | 5.1  | 4.9   | ----- |
| Colored              | 22.4                                     | 23.5 | 22.2 | 22.9 | 22.1 | 24.6 | 25.1  | -----             | 1.1                                                            | 1.9  | 3.0  | 2.3   | ----- |
| Florida              | (?)                                      | 23.8 | 18.8 | 18.2 | 18.0 | 17.9 | 16.5  | 16.8              | 10.2                                                           | 5.0  | 5.9  | 4.4   | 4.0   |
| White                | (?)                                      | 23.7 | 18.2 | 17.8 | 17.5 | 17.4 | 16.0  | -----             | 11.8                                                           | 7.2  | 7.0  | 5.5   | ----- |
| Colored              | (?)                                      | 24.0 | 20.1 | 19.3 | 19.0 | 19.2 | 17.9  | -----             | 6.6                                                            | 2.8  | 3.5  | 2.0   | ----- |
| Georgia              | (?)                                      | (?)  | 20.1 | 20.9 | 21.2 | 21.9 | 20.9  | 19.8              | (?)                                                            | 8.8  | 10.9 | 10.2  | 8.9   |
| White                | (?)                                      | (?)  | 19.6 | 20.3 | 20.3 | 20.6 | 19.3  | -----             | (?)                                                            | 10.5 | 11.5 | 10.2  | ----- |
| Colored              | (?)                                      | (?)  | 21.1 | 21.9 | 22.9 | 24.1 | 23.9  | -----             | (?)                                                            | 5.8  | 9.6  | 10.2  | ----- |
| Idaho                | (?)                                      | (?)  | 19.8 | 20.6 | 20.3 | 19.5 | 19.1  | 19.8              | (?)                                                            | 11.2 | 10.7 | 10.0  | 10.5  |
| Illinois             | (?)                                      | 19.1 | 17.0 | 16.7 | 15.4 | 14.4 | 13.8  | 14.2              | 7.6                                                            | 5.8  | 3.7  | 3.3   | 3.0   |
| Indiana              | 22.0                                     | 20.8 | 18.3 | 18.3 | 17.2 | 16.2 | 15.3  | 15.4              | 8.3                                                            | 6.2  | 4.4  | 3.8   | 3.4   |
| Iowa                 | (?)                                      | 19.0 | 17.1 | 17.3 | 16.9 | 16.3 | 15.9  | 16.8              | 9.6                                                            | 6.7  | 5.9  | 5.6   | 6.2   |
| Kansas               | 22.3                                     | 20.1 | 17.4 | 17.9 | 17.4 | 16.7 | 16.2  | 17.6              | 9.9                                                            | 7.6  | 6.4  | 5.9   | 6.8   |
| Kentucky             | 25.9                                     | 25.2 | 21.7 | 22.6 | 21.7 | 22.6 | 20.9  | 21.3              | 13.9                                                           | 11.3 | 11.6 | 10.1  | 10.6  |
| White                | 26.8                                     | 25.8 | 22.9 | 23.4 | 22.4 | 23.3 | 21.5  | -----             | 15.4                                                           | 13.0 | 13.0 | 11.5  | ----- |
| Colored              | 17.6                                     | 18.2 | 15.6 | 15.0 | 14.4 | 14.7 | 14.6  | -----             | -1.0                                                           | -6.0 | -4.1 | -4.2  | ----- |
| Louisiana            | (?)                                      | (?)  | 20.3 | 20.3 | 20.4 | 20.3 | 18.5  | 20.3              | (?)                                                            | 8.6  | 9.4  | 7.8   | 9.3   |
| White                | (?)                                      | (?)  | 16.7 | 19.7 | 19.6 | 19.0 | 17.1  | -----             | (?)                                                            | 10.2 | 9.7  | 8.2   | ----- |
| Colored              | (?)                                      | (?)  | 21.2 | 21.4 | 21.7 | 22.5 | 20.3  | -----             | (?)                                                            | 5.9  | 8.8  | 6.9   | ----- |
| Maine                | 22.5                                     | 22.3 | 20.0 | 20.3 | 20.4 | 20.1 | 18.9  | 18.8              | 8.5                                                            | 6.4  | 6.7  | 5.1   | 5.7   |
| Maryland             | 24.8                                     | 21.9 | 18.5 | 18.5 | 17.5 | 17.4 | 16.5  | 16.4              | 7.9                                                            | 5.3  | 4.7  | 4.1   | 3.8   |
| White                | 24.3                                     | 21.1 | 17.6 | 17.9 | 16.5 | 16.4 | 15.4  | -----             | 8.5                                                            | 5.6  | 4.8  | 3.9   | ----- |
| Colored              | 27.4                                     | 25.7 | 23.4 | 23.1 | 22.3 | 22.6 | 21.7  | -----             | 4.8                                                            | 4.2  | 4.5  | 4.9   | ----- |
| Massachusetts        | 23.7                                     | 21.2 | 17.5 | 17.3 | 16.2 | 15.9 | 14.7  | 14.8              | 8.5                                                            | 5.7  | 4.4  | 2.9   | 3.1   |
| Michigan             | 24.9                                     | 23.1 | 20.8 | 20.4 | 18.4 | 17.2 | 16.0  | 17.9              | 11.6                                                           | 9.8  | 7.2  | 6.4   | 7.1   |
| Minnesota            | 23.3                                     | 21.7 | 18.3 | 18.5 | 18.2 | 17.9 | 17.2  | 17.5              | 11.5                                                           | 8.5  | 8.0  | 7.4   | 7.3   |
| Mississippi          | (?)                                      | 23.7 | 22.9 | 23.9 | 22.3 | 22.7 | 21.6  | 24.4              | 12.1                                                           | 11.9 | 12.7 | 11.0  | 13.3  |
| White                | (?)                                      | 23.7 | 22.9 | 23.2 | 21.5 | 21.5 | 20.0  | -----             | 14.9                                                           | 14.1 | 13.3 | 11.2  | ----- |
| Colored              | (?)                                      | 23.6 | 23.4 | 24.5 | 23.1 | 24.0 | 23.2  | -----             | 9.3                                                            | 8.8  | 12.2 | 10.8  | ----- |
| Missouri             | (?)                                      | (?)  | 16.9 | 17.1 | 16.7 | 16.4 | 15.6  | 15.3              | (?)                                                            | 5.2  | 4.4  | 4.0   | 3.2   |
| Montana              | (?)                                      | 18.9 | 18.7 | 18.5 | 17.9 | 16.9 | 16.7  | 18.7              | 9.3                                                            | 8.4  | 7.1  | 7.0   | 8.1   |
| Nebraska             | 23.8                                     | 21.8 | 19.4 | 19.6 | 19.2 | 18.1 | 17.4  | 18.4              | 12.5                                                           | 10.0 | 8.8  | 8.1   | 8.6   |
| Nevada               | (?)                                      | (?)  | 14.2 | 14.6 | 13.3 | 13.5 | 14.5  | 14.6              | (?)                                                            | 1.9  | -9.9 | 1.2   | 1.4   |
| New Hampshire        | 22.4                                     | 20.7 | 17.6 | 17.9 | 19.0 | 16.7 | 15.7  | 16.9              | 6.3                                                            | 4.3  | 3.2  | 1.9   | 3.0   |
| New Jersey           | (?)                                      | 20.4 | 17.2 | 16.8 | 15.6 | 14.8 | 13.4  | 12.8              | 3.8                                                            | 6.1  | 4.5  | 3.0   | 2.5   |
| New Mexico           | (?)                                      | (?)  | 27.1 | 28.5 | 28.8 | 28.7 | 28.4  | 31.8              | (?)                                                            | 13.0 | 14.9 | 15.0  | 16.6  |
| New York             | 22.4                                     | 19.6 | 17.5 | 17.1 | 16.1 | 15.4 | 14.4  | 14.5              | 7.6                                                            | 5.4  | 3.9  | 2.9   | 2.9   |
| North Carolina       | 31.4                                     | 29.0 | 24.7 | 24.1 | 23.3 | 24.0 | 23.0  | 23.6              | 17.7                                                           | 12.9 | 14.4 | 13.7  | 13.2  |
| White                | 31.6                                     | 28.5 | 24.2 | 23.8 | 22.9 | 23.5 | 22.3  | -----             | 18.8                                                           | 14.2 | 15.0 | 14.0  | ----- |
| Colored              | 31.1                                     | 30.2 | 25.9 | 24.8 | 24.2 | 25.3 | 24.8  | -----             | 15.3                                                           | 9.7  | 13.2 | 13.0  | ----- |
| North Dakota         | (?)                                      | 21.8 | 21.6 | 21.7 | 21.1 | 20.5 | 19.2  | 20.9              | 14.2                                                           | 13.8 | 13.0 | 11.2  | 12.5  |
| Ohio                 | 21.3                                     | 20.3 | 17.7 | 17.7 | 16.1 | 15.1 | 14.1  | 14.9              | 8.5                                                            | 6.3  | 3.8  | 3.4   | 3.4   |
| Oklahoma             | (?)                                      | (?)  | 16.8 | 17.7 | 17.9 | 16.8 | 17.8  | 19.0              | (?)                                                            | 9.5  | 8.9  | 9.5   | 10.4  |
| White                | (?)                                      | (?)  | 17.7 | 18.5 | 18.5 | 17.4 | 18.5  | -----             | (?)                                                            | 10.7 | 9.7  | 10.5  | ----- |
| Colored              | (?)                                      | (?)  | 9.0  | 11.4 | 12.9 | 12.3 | 12.3  | -----             | (?)                                                            | .2   | 2.9  | 2.4   | ----- |
| Oregon               | 18.9                                     | 17.7 | 14.1 | 14.1 | 13.7 | 13.2 | 12.4  | 13.1              | 6.7                                                            | 3.1  | 2.6  | 1.8   | 2.5   |
| Pennsylvania         | 25.2                                     | 23.4 | 19.8 | 19.6 | 18.4 | 17.3 | 16.0  | 16.0              | 10.8                                                           | 8.0  | 6.1  | 5.2   | 5.0   |
| Rhode Island         | (?)                                      | 22.2 | 18.0 | 17.7 | 16.3 | 16.0 | 14.7  | 15.2              | 9.5                                                            | 6.1  | 4.4  | 3.5   | 3.9   |
| South Carolina       | 28.3                                     | (?)  | 22.7 | 23.3 | 22.7 | 23.8 | 23.1  | 22.5              | (?)                                                            | 10.4 | 12.4 | 12.0  | 11.7  |
| White                | 28.9                                     | (?)  | 20.9 | 21.2 | 20.3 | 20.9 | 20.3  | -----             | (?)                                                            | 11.4 | 11.9 | 11.4  | ----- |
| Colored              | 27.8                                     | (?)  | 24.9 | 25.7 | 25.7 | 27.3 | 26.5  | -----             | (?)                                                            | 9.1  | 12.9 | 12.7  | ----- |
| South Dakota         | (?)                                      | (?)  | (?)  | (?)  | (?)  | 18.9 | 18.3  | 19.4              | (?)                                                            | (?)  | 10.7 | 9.6   | 9.9   |
| Tennessee            | (?)                                      | (?)  | 19.5 | 20.1 | 19.8 | 19.8 | 18.3  | 18.3              | (?)                                                            | 8.7  | 9.0  | 8.2   | 7.7   |
| White                | (?)                                      | (?)  | 20.0 | 20.3 | 20.5 | 20.5 | 19.4  | -----             | (?)                                                            | 10.9 | 10.9 | 10.0  | ----- |
| Colored              | (?)                                      | (?)  | 17.1 | 17.0 | 16.4 | 16.3 | ----- | (?)               | -1.3                                                           | .6   | .3   | ----- |       |
| Texas                | (?)                                      | (?)  | (?)  | (?)  | (?)  | (?)  | 17.9  | 19.3              | (?)                                                            | (?)  | (?)  | 8.1   | 9.4   |
| White                | (?)                                      | (?)  | (?)  | (?)  | (?)  | (?)  | 18.3  | -----             | (?)                                                            | (?)  | (?)  | 8.9   | ----- |
| Colored              | (?)                                      | (?)  | (?)  | (?)  | (?)  | (?)  | 15.5  | -----             | (?)                                                            | (?)  | (?)  | 8.6   | ----- |
| Utah                 | 31.3                                     | 28.6 | 24.6 | 25.4 | 23.5 | 23.3 | 23.0  | 24.6              | 19.3                                                           | 15.5 | 14.7 | 14.5  | 15.2  |
| Vermont              | 21.0                                     | 21.1 | 18.7 | 19.3 | 18.5 | 16.8 | 17.0  | 17.6              | 6.7                                                            | 6.3  | 3.6  | 4.2   | 4.6   |
| Virginia             | 28.4                                     | 25.8 | 22.4 | 22.6 | 21.7 | 22.4 | 21.0  | 20.1              | 13.4                                                           | 10.1 | 10.5 | 9.3   | 8.4   |
| White                | 27.8                                     | 24.9 | 21.7 | 22.0 | 21.2 | 21.5 | 19.9  | -----             | 14.6                                                           | 11.5 | 11.3 | 9.9   | ----- |
| Colored              | 29.8                                     | 28.0 | 24.2 | 24.2 | 23.1 | 24.9 | 24.0  | -----             | 10.4                                                           | 6.2  | 8.5  | 7.9   | ----- |
| Washington           | 19.8                                     | 16.9 | 14.6 | 14.7 | 14.0 | 13.5 | 13.1  | 13.9              | 6.5                                                            | 4.1  | 3.1  | 2.7   | 3.1   |
| West Virginia        | (?)                                      | 28.2 | 23.8 | 24.0 | 22.5 | 22.0 | 20.4  | 23.0              | 17.5                                                           | 13.5 | 11.8 | 11.0  | 13.0  |
| Wisconsin            | 22.2                                     | 20.5 | 19.0 | 19.3 | 18.4 | 17.8 | 16.8  | 17.7              | 10.0                                                           | 8.9  | 7.6  | 6.9   | 7.2   |
| Wyoming              | (?)                                      | 22.9 | 19.8 | 19.8 | 19.3 | 18.6 | 18.2  | 15.8              | 13.9                                                           | 10.6 | 9.6  | 9.7   | 10.7  |

<sup>1</sup> See third paragraph of general note, p. 80. A minus sign indicates an excess of deaths over births.  
<sup>2</sup> Not in the birth registration area.

## No. 84.—BIRTHS AND STILLBIRTHS BY LEGITIMACY: BY STATES, 1934

| Area                                 | Births (excluding stillbirths) |                 |                   | Stillbirths |                 |                   | Stillbirths per 100 live births |                 |                   |
|--------------------------------------|--------------------------------|-----------------|-------------------|-------------|-----------------|-------------------|---------------------------------|-----------------|-------------------|
|                                      | Total                          | Legiti-<br>mate | Illegiti-<br>mate | Total       | Legiti-<br>mate | Illegiti-<br>mate | Total                           | Legiti-<br>mate | Illegiti-<br>mate |
| Birth registration area <sup>1</sup> | 2,025,402                      | 1,949,604       | 75,798            | 74,850      | 68,251          | 6,599             | 3.7                             | 3.5             | 8.1               |
| White                                | 1,739,982                      | 1,704,435       | 35,547            | 55,070      | 52,990          | 2,080             | 3.2                             | 3.1             | 5.9               |
| Colored                              | 285,420                        | 245,229         | 40,191            | 19,780      | 15,261          | 4,519             | 6.9                             | 6.3             | 10.0              |
| Alabama                              | 63,495                         | 57,888          | 5,607             | 3,156       | 2,633           | 523               | 5.0                             | 4.5             | 9.3               |
| White                                | 59,541                         | 58,767          | 774               | 1,564       | 1,504           | 60                | 3.4                             | 3.4             | 6.6               |
| Colored                              | 23,954                         | 19,121          | 4,833             | 1,592       | 1,259           | 333               | 7.5                             | 7.0             | 9.8               |
| Arizona                              | 8,492                          | 8,332           | 160               | 232         | 226             | 6                 | 2.7                             | 2.7             | 3.8               |
| Arkansas                             | 37,516                         | 35,840          | 1,675             | 1,341       | 1,221           | 120               | 3.6                             | 3.4             | 7.2               |
| White                                | 28,868                         | 28,444          | 424               | 786         | 764             | 22                | 2.7                             | 2.7             | 6.3               |
| Colored                              | 8,667                          | 7,396           | 1,261             | 555         | 457             | 98                | 6.4                             | 6.2             | 7.3               |
| Colorado                             | 17,849                         | 17,432          | 417               | 672         | 648             | 24                | 3.2                             | 3.1             | 5.8               |
| Connecticut                          | 22,215                         | 21,828          | 387               | 624         | 614             | 10                | 2.8                             | 2.8             | 2.8               |
| Delaware                             | 3,988                          | 3,714           | 274               | 135         | 113             | 22                | 3.4                             | 3.0             | 8.0               |
| District of Columbia                 | 10,137                         | 9,313           | 824               | 384         | 327             | 57                | 3.8                             | 3.5             | 6.9               |
| White                                | 6,624                          | 6,496           | 128               | 201         | 190             | 11                | 3.0                             | 2.9             | 3.6               |
| Colored                              | 3,513                          | 2,817           | 696               | 183         | 137             | 46                | 5.8                             | 4.9             | 6.6               |
| Florida                              | 26,716                         | 24,994          | 1,722             | 1,568       | 1,315           | 253               | 5.9                             | 5.3             | 14.7              |
| White                                | 18,808                         | 18,290          | 518               | 781         | 677             | 104               | 3.9                             | 3.7             | 13.8              |
| Colored                              | 8,108                          | 6,704           | 1,404             | 787         | 638             | 149               | 10.4                            | 9.5             | 14.9              |
| Georgia                              | 64,661                         | 59,407          | 5,254             | 3,836       | 3,211           | 625               | 5.9                             | 5.4             | 11.9              |
| White                                | 58,338                         | 57,638          | 700               | 1,480       | 1,413           | 67                | 3.8                             | 3.8             | 6.7               |
| Colored                              | 26,323                         | 21,769          | 4,554             | 2,356       | 1,798           | 558               | 9.0                             | 8.3             | 12.7              |
| Idaho                                | 9,373                          | 9,275           | 98                | 211         | 209             | 2                 | 2.3                             | 2.3             | 2.0               |
| Illinois                             | 110,226                        | 107,566         | 2,660             | 3,333       | 3,188           | 145               | 3.0                             | 3.1             | 5.1               |
| Indiana                              | 52,349                         | 51,214          | 1,135             | 1,400       | 1,342           | 58                | 2.7                             | 2.6             | 6.1               |
| Iowa                                 | 42,463                         | 41,674          | 789               | 1,142       | 1,109           | 33                | 2.7                             | 2.7             | 4.2               |
| Kansas                               | 32,463                         | 31,898          | 565               | 861         | 834             | 27                | 2.7                             | 2.6             | 4.8               |
| Kentucky                             | 59,904                         | 58,849          | 1,055             | 2,010       | 1,898           | 112               | 3.4                             | 3.2             | 10.6              |
| White                                | 66,853                         | 66,068          | 785               | 1,787       | 1,715           | 72                | 3.1                             | 3.1             | 9.1               |
| Colored                              | 3,046                          | 2,786           | 260               | 223         | 183             | 40                | 7.3                             | 6.8             | 16.4              |
| Louisiana                            | 43,003                         | 39,189          | 3,814             | 2,072       | 1,772           | 300               | 4.8                             | 4.5             | 7.9               |
| White                                | 24,877                         | 24,550          | 327               | 788         | 765             | 23                | 3.3                             | 3.3             | 4.7               |
| Colored                              | 18,126                         | 14,639          | 3,487             | 1,284       | 984             | 300               | 6.9                             | 6.6             | 8.4               |
| Maine                                | 15,760                         | 15,265          | 495               | 557         | 530             | 27                | 3.5                             | 3.5             | 5.4               |
| Maryland                             | 27,340                         | 25,374          | 1,966             | 1,584       | 1,332           | 252               | 5.8                             | 5.2             | 12.8              |
| White                                | 21,264                         | 20,764          | 500               | 1,032       | 964             | 68                | 4.9                             | 4.6             | 15.3              |
| Colored                              | 6,076                          | 4,610           | 1,466             | 552         | 368             | 184               | 9.1                             | 8.0             | 12.6              |
| Michigan                             | 83,925                         | 81,786          | 2,139             | 2,627       | 2,498           | 129               | 3.1                             | 3.1             | 6.0               |
| Minnesota                            | 45,921                         | 44,786          | 1,135             | 1,295       | 1,261           | 34                | 2.8                             | 2.8             | 3.9               |
| Mississippi                          | 47,863                         | 43,723          | 4,140             | 2,221       | 1,878           | 343               | 4.6                             | 4.3             | 8.3               |
| White                                | 22,306                         | 22,012          | 293               | 669         | 661             | 8                 | 5.0                             | 5.0             | 6.1               |
| Colored                              | 25,557                         | 21,711          | 3,847             | 1,552       | 1,217           | 335               | 6.1                             | 5.7             | 8.4               |
| Missouri                             | 59,185                         | 57,262          | 1,923             | 2,270       | 2,100           | 170               | 3.8                             | 3.7             | 8.8               |
| Montana                              | 9,949                          | 9,752           | 197               | 244         | 240             | 4                 | 2.5                             | 2.5             | 7.0               |
| Nebraska                             | 25,085                         | 24,659          | 426               | 639         | 617             | 22                | 2.5                             | 2.5             | 5.4               |
| Nevada                               | 1,434                          | 1,421           | 13                | 46          | 44              | 2                 | 3.2                             | 3.1             | 15.4              |
| New Hampshire                        | 7,869                          | 7,712           | 157               | 242         | 231             | 11                | 3.1                             | 3.0             | 7.0               |
| New Jersey                           | 54,541                         | 53,261          | 1,280             | 1,972       | 1,890           | 82                | 3.6                             | 3.5             | 6.4               |
| New Mexico                           | 12,769                         | 12,245          | 524               | 417         | 382             | 35                | 3.3                             | 3.1             | 6.7               |
| New York                             | 185,615                        | 182,169         | 3,446             | 7,654       | 7,355           | 299               | 4.1                             | 4.0             | 8.7               |
| North Carolina                       | 79,704                         | 73,190          | 6,514             | 3,299       | 2,761           | 538               | 4.1                             | 3.8             | 8.3               |
| White                                | 54,504                         | 52,967          | 1,537             | 1,552       | 1,484           | 68                | 2.8                             | 2.8             | 4.4               |
| Colored                              | 25,200                         | 20,223          | 4,977             | 1,747       | 1,277           | 470               | 6.9                             | 6.3             | 10.6              |
| North Dakota                         | 14,549                         | 14,234          | 315               | 349         | 332             | 17                | 2.4                             | 2.3             | 5.4               |
| Ohio                                 | 100,100                        | 97,664          | 2,436             | 3,277       | 3,132           | 145               | 3.3                             | 3.2             | 6.8               |
| Oklahoma                             | 47,302                         | 46,391          | 911               | 1,301       | 1,248           | 53                | 2.8                             | 2.7             | 5.0               |
| White                                | 43,326                         | 42,781          | 545               | 1,102       | 1,071           | 31                | 2.6                             | 2.6             | 6.1               |
| Colored                              | 3,976                          | 3,610           | 366               | 199         | 177             | 22                | 5.0                             | 4.8             | 7.2               |
| Oregon                               | 13,077                         | 12,855          | 222               | 312         | 301             | 11                | 2.4                             | 2.3             | 5.0               |
| Pennsylvania                         | 160,238                        | 155,022         | 5,216             | 5,624       | 5,272           | 352               | 3.5                             | 3.4             | 6.7               |
| Rhode Island                         | 10,349                         | 10,050          | 299               | 299         | 286             | 13                | 2.9                             | 2.8             | 4.3               |
| South Carolina                       | 44,265                         | 39,583          | 4,682             | 2,495       | 2,020           | 475               | 5.6                             | 5.1             | 10.1              |
| White                                | 21,242                         | 21,242          | 600               | 672         | 642             | 30                | 3.1                             | 3.0             | 6.9               |
| Colored                              | 23,023                         | 18,341          | 4,682             | 1,823       | 1,378           | 445               | 8.1                             | 7.6             | 10.7              |
| South Dakota                         | 13,173                         | 12,917          | 256               | 334         | 321             | 13                | 2.5                             | 2.5             | 5.1               |
| Tennessee                            | 52,393                         | 50,279          | 2,114             | 2,038       | 1,854           | 184               | 3.9                             | 3.7             | 8.7               |
| White                                | 44,481                         | 43,514          | 967               | 1,524       | 1,460           | 64                | 3.4                             | 3.4             | 6.6               |
| Colored                              | 7,912                          | 6,765           | 1,147             | 514         | 394             | 120               | 6.5                             | 5.8             | 10.5              |
| Texas                                | 116,603                        | 113,017         | 3,586             | 4,402       | 4,006           | 396               | 3.8                             | 3.6             | 8.3               |
| White                                | 87,438                         | 86,246          | 1,192             | 2,749       | 2,685           | 64                | 3.1                             | 3.1             | 6.4               |
| Colored                              | 29,165                         | 26,771          | 2,394             | 1,653       | 1,421           | 232               | 5.7                             | 5.3             | 9.9               |
| Utah                                 | 12,636                         | 12,511          | 125               | 241         | 237             | 4                 | 1.9                             | 1.9             | 3.2               |
| Vermont                              | 6,503                          | 6,404           | 99                | 217         | 205             | 12                | 3.3                             | 3.2             | 6.3               |
| Virginia                             | 52,375                         | 48,553          | 3,822             | 2,269       | 1,913           | 356               | 4.3                             | 3.9             | 9.3               |
| White                                | 37,237                         | 36,203          | 1,034             | 1,198       | 1,137           | 61                | 3.2                             | 3.1             | 5.8               |
| Colored                              | 15,138                         | 12,350          | 2,788             | 1,071       | 776             | 295               | 7.1                             | 6.3             | 10.6              |
| Washington                           | 22,540                         | 22,044          | 496               | 521         | 505             | 16                | 2.3                             | 2.3             | 3.2               |
| West Virginia                        | 41,476                         | 39,574          | 1,902             | 1,633       | 1,498           | 135               | 3.9                             | 3.8             | 7.1               |
| Wisconsin                            | 51,419                         | 50,277          | 1,142             | 1,305       | 1,284           | 21                | 2.5                             | 2.5             | 3.6               |
| Wyoming                              | 4,565                          | 4,500           | 65                | 80          | 81              | 1                 | 1.9                             | 2.0             | 1.5               |

<sup>1</sup> Exclusive of California and Massachusetts, which do not require a statement of legitimacy of child.

Source: Bureau of the Census, Department of Commerce.



# No. 85.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: NUMBER AND RATES, BY STATES, FOR THE BIRTH REGISTRATION AREA

NOTE.—See general note, p. 80

| Area                               | Number of infant deaths |         | Deaths of infants under 1 year of age per 1,000 births |      |      |      |      |      |      |
|------------------------------------|-------------------------|---------|--------------------------------------------------------|------|------|------|------|------|------|
|                                    | 1933                    | 1934    | 1920                                                   | 1925 | 1930 | 1931 | 1932 | 1933 | 1934 |
| Total birth registration area..... | 120,887                 | 130,185 | 86                                                     | 72   | 65   | 62   | 58   | 58   | 60   |
| White.....                         | 94,749                  | 101,720 | 82                                                     | 68   | 60   | 57   | 53   | 53   | 55   |
| Colored.....                       | 26,138                  | 28,465  | 132                                                    | 111  | 100  | 93   | 86   | 91   | 94   |
| Cities.....                        | 53,341                  | 57,081  | 91                                                     | 73   | 63   | 61   | 57   | 57   | 58   |
| White.....                         | 44,243                  | 46,971  | 87                                                     | 69   | 59   | 57   | 53   | 52   | 53   |
| Colored.....                       | 9,098                   | 10,080  | 158                                                    | 125  | 109  | 106  | 96   | 98   | 99   |
| Rural part.....                    | 67,046                  | 73,154  | 81                                                     | 70   | 66   | 62   | 58   | 59   | 62   |
| White.....                         | 60,506                  | 64,749  | 76                                                     | 67   | 62   | 58   | 54   | 53   | 56   |
| Colored.....                       | 16,540                  | 18,405  | 118                                                    | 101  | 95   | 86   | 81   | 88   | 92   |
| Alabama.....                       | 3,865                   | 4,303   | (1)                                                    | (1)  | 72   | 61   | 61   | 65   | 68   |
| White.....                         | 2,084                   | 2,270   | (1)                                                    | (1)  | 60   | 53   | 58   | 56   | 57   |
| Colored.....                       | 1,841                   | 2,033   | (1)                                                    | (1)  | 94   | 77   | 76   | 80   | 85   |
| Arizona.....                       | 905                     | 870     | (1)                                                    | (1)  | 117  | 110  | 96   | 111  | 104  |
| Arkansas.....                      | 1,046                   | 2,029   | (1)                                                    | (1)  | 51   | 49   | 45   | 54   | 54   |
| White.....                         | 1,415                   | 1,603   | (1)                                                    | (1)  | 60   | 48   | 43   | 51   | 59   |
| Colored.....                       | 531                     | 626     | (1)                                                    | (1)  | 56   | 51   | 52   | 66   | 61   |
| California.....                    | 4,027                   | 4,050   | 74                                                     | 69   | 59   | 57   | 53   | 54   | 52   |
| White.....                         | 2,672                   | 2,754   | 74                                                     | 69   | 57   | 45   | 42   | 44   | 43   |
| Colored.....                       | 1,355                   | 1,296   | 77                                                     | 65   | 80   | 104  | 96   | 96   | 87   |
| Colorado.....                      | 1,183                   | 1,298   | (1)                                                    | (1)  | 94   | 81   | 72   | 69   | 73   |
| Connecticut.....                   | 1,087                   | 1,086   | 92                                                     | 73   | 56   | 54   | 49   | 48   | 49   |
| Delaware.....                      | 237                     | 245     | (1)                                                    | 91   | 78   | 82   | 67   | 60   | 61   |
| District of Columbia.....          | 669                     | 662     | 91                                                     | 87   | 71   | 67   | 73   | 67   | 65   |
| White.....                         | 322                     | 283     | 78                                                     | 67   | 52   | 44   | 56   | 49   | 43   |
| Colored.....                       | 347                     | 379     | 139                                                    | 132  | 110  | 116  | 108  | 101  | 108  |
| Florida.....                       | 1,014                   | 1,821   | (1)                                                    | 74   | 64   | 64   | 61   | 63   | 68   |
| White.....                         | 876                     | 1,014   | (1)                                                    | 60   | 60   | 52   | 49   | 50   | 55   |
| Colored.....                       | 738                     | 807     | (1)                                                    | 105  | 96   | 91   | 87   | 92   | 100  |
| Georgia.....                       | 4,070                   | 5,099   | (1)                                                    | (1)  | 77   | 68   | 64   | 67   | 79   |
| White.....                         | 2,116                   | 2,606   | (1)                                                    | (1)  | 65   | 57   | 56   | 59   | 68   |
| Colored.....                       | 1,954                   | 2,493   | (1)                                                    | (1)  | 97   | 86   | 78   | 73   | 95   |
| Idaho.....                         | 404                     | 471     | (1)                                                    | (1)  | 57   | 56   | 43   | 47   | 50   |
| Illinois.....                      | 5,284                   | 5,825   | (1)                                                    | 73   | 56   | 59   | 53   | 49   | 53   |
| Indiana.....                       | 2,675                   | 2,960   | 82                                                     | 68   | 58   | 58   | 55   | 53   | 57   |
| Iowa.....                          | 1,911                   | 2,149   | (1)                                                    | 56   | 54   | 49   | 48   | 48   | 51   |
| Kansas.....                        | 1,646                   | 1,574   | 73                                                     | 62   | 53   | 48   | 48   | 54   | 49   |
| Kentucky.....                      | 3,213                   | 3,887   | 73                                                     | 70   | 66   | 65   | 63   | 68   | 65   |
| White.....                         | 2,894                   | 3,532   | 69                                                     | 67   | 62   | 61   | 61   | 66   | 62   |
| Colored.....                       | 619                     | 955     | 138                                                    | 120  | 122  | 137  | 108  | 98   | 117  |
| Louisiana.....                     | 2,785                   | 2,971   | (1)                                                    | (1)  | 78   | 66   | 65   | 70   | 69   |
| White.....                         | 1,618                   | 1,932   | (1)                                                    | (1)  | 62   | 54   | 53   | 67   | 56   |
| Colored.....                       | 1,467                   | 1,639   | (1)                                                    | (1)  | 103  | 86   | 32   | 89   | 38   |
| Maine.....                         | 1,002                   | 1,112   | 102                                                    | 76   | 76   | 72   | 63   | 66   | 71   |
| Maryland.....                      | 1,805                   | 1,924   | 104                                                    | 90   | 75   | 81   | 69   | 66   | 70   |
| White.....                         | 1,166                   | 1,272   | 90                                                     | 76   | 63   | 66   | 57   | 55   | 60   |
| Colored.....                       | 640                     | 652     | 124                                                    | 145  | 121  | 132  | 110  | 104  | 107  |
| Massachusetts.....                 | 3,289                   | 3,125   | 61                                                     | 73   | 60   | 55   | 53   | 52   | 49   |
| Michigan.....                      | 4,080                   | 4,364   | 92                                                     | 76   | 63   | 57   | 54   | 51   | 52   |
| Minnesota.....                     | 2,120                   | 2,168   | 66                                                     | 60   | 52   | 51   | 47   | 48   | 47   |
| Mississippi.....                   | 2,818                   | 3,102   | (1)                                                    | 68   | 68   | 56   | 54   | 64   | 65   |
| White.....                         | 1,043                   | 1,222   | (1)                                                    | 63   | 61   | 44   | 44   | 51   | 55   |
| Colored.....                       | 1,775                   | 1,880   | (1)                                                    | 89   | 85   | 67   | 62   | 75   | 74   |
| Missouri.....                      | 3,478                   | 3,735   | (1)                                                    | (1)  | 59   | 63   | 57   | 55   | 63   |
| Montana.....                       | 461                     | 832     | (1)                                                    | 71   | 58   | 60   | 51   | 52   | 54   |
| Nebraska.....                      | 1,193                   | 1,141   | 64                                                     | 68   | 49   | 49   | 43   | 40   | 46   |
| Nevada.....                        | 99                      | 85      | (1)                                                    | 71   | 68   | 74   | 70   | 73   | 59   |
| New Hampshire.....                 | 413                     | 478     | 88                                                     | 76   | 61   | 67   | 59   | 58   | 61   |
| New Jersey.....                    | 2,697                   | 2,678   | (1)                                                    | 69   | 56   | 57   | 50   | 46   | 49   |
| New Mexico.....                    | 1,674                   | 1,813   | (1)                                                    | (1)  | 145  | 134  | 119  | 136  | 128  |
| New York.....                      | 10,026                  | 9,694   | 86                                                     | 68   | 59   | 57   | 53   | 54   | 52   |
| North Carolina.....                | 4,977                   | 5,212   | 85                                                     | 79   | 79   | 73   | 67   | 66   | 78   |
| White.....                         | 2,893                   | 3,063   | 73                                                     | 67   | 67   | 60   | 67   | 65   | 67   |
| Colored.....                       | 2,144                   | 2,149   | 113                                                    | 105  | 105  | 102  | 87   | 30   | 101  |
| North Dakota.....                  | 791                     | 833     | (1)                                                    | 72   | 62   | 59   | 56   | 60   | 57   |
| Ohio.....                          | 5,049                   | 5,379   | 83                                                     | 70   | 61   | 60   | 59   | 53   | 54   |
| Oklahoma.....                      | 2,466                   | 2,864   | (1)                                                    | (1)  | 61   | 51   | 50   | 53   | 61   |
| White.....                         | 2,131                   | 2,447   | (1)                                                    | (1)  | 67   | 49   | 47   | 63   | 67   |
| Colored.....                       | 335                     | 417     | (1)                                                    | (1)  | 108  | 82   | 81   | 96   | 105  |
| Oregon.....                        | 493                     | 521     | 62                                                     | 51   | 50   | 44   | 41   | 40   | 40   |

1 Not in the birth registration area.

No. 85.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: NUMBER AND RATES BY STATES, FOR THE BIRTH REGISTRATION AREA—Continued

| Area                                                  | Number of infant deaths |        | Deaths of infants under 1 year of age per 1,000 births |                  |                  |                  |                  |      |      |
|-------------------------------------------------------|-------------------------|--------|--------------------------------------------------------|------------------|------------------|------------------|------------------|------|------|
|                                                       | 1933                    | 1934   | 1920                                                   | 1925             | 1930             | 1931             | 1932             | 1933 | 1934 |
| Pennsylvania.....                                     | 8,391                   | 8,812  | 97                                                     | 82               | 68               | 67               | 60               | 53   | 55   |
| Rhode Island.....                                     | 575                     | 558    | ( <sup>1</sup> )                                       | 73               | 62               | 61               | 57               | 56   | 54   |
| South Carolina.....                                   | 3,154                   | 3,674  | 116                                                    | ( <sup>1</sup> ) | 89               | 81               | 77               | 78   | 83   |
| White.....                                            | 1,196                   | 1,471  | 83                                                     | ( <sup>1</sup> ) | 69               | 59               | 62               | 61   | 67   |
| Colored.....                                          | 1,959                   | 2,203  | 148                                                    | ( <sup>1</sup> ) | 108              | 102              | 92               | 95   | 98   |
| South Dakota.....                                     | 705                     | 764    | ( <sup>1</sup> )                                       | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 50               | 55   | 58   |
| Tennessee.....                                        | 3,473                   | 3,863  | ( <sup>1</sup> )                                       | ( <sup>1</sup> ) | 76               | 68               | 68               | 69   | 74   |
| White.....                                            | 2,672                   | 2,998  | ( <sup>1</sup> )                                       | ( <sup>1</sup> ) | 69               | 61               | 63               | 63   | 67   |
| Colored.....                                          | 801                     | 865    | ( <sup>1</sup> )                                       | ( <sup>1</sup> ) | 115              | 102              | 95               | 102  | 109  |
| Texas.....                                            | 8,155                   | 8,381  | ( <sup>1</sup> )                                       | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 76   | 72   |
| White.....                                            | 5,078                   | 5,139  | ( <sup>1</sup> )                                       | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 62   | 59   |
| Colored.....                                          | 3,077                   | 3,242  | ( <sup>1</sup> )                                       | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 117  | 111  |
| Utah.....                                             | 567                     | 622    | 71                                                     | 56               | 57               | 51               | 44               | 48   | 49   |
| Vermont.....                                          | 325                     | 347    | 96                                                     | 72               | 65               | 60               | 63               | 53   | 53   |
| Virginia.....                                         | 3,613                   | 3,855  | 84                                                     | 81               | 77               | 70               | 67               | 69   | 73   |
| White.....                                            | 2,180                   | 2,316  | 72                                                     | 68               | 65               | 64               | 58               | 59   | 62   |
| Colored.....                                          | 1,393                   | 1,489  | 110                                                    | 111              | 107              | 108              | 90               | 90   | 98   |
| Washington.....                                       | 811                     | 973    | 66                                                     | 56               | 49               | 48               | 45               | 39   | 43   |
| West Virginia.....                                    | 2,472                   | 2,794  | ( <sup>1</sup> )                                       | 80               | 81               | 77               | 75               | 68   | 67   |
| Wisconsin.....                                        | 2,446                   | 2,542  | 77                                                     | 67               | 56               | 53               | 50               | 49   | 49   |
| Wyoming.....                                          | 230                     | 242    | ( <sup>1</sup> )                                       | 64               | 69               | 69               | 57               | 55   | 53   |
| Total for area having birth registration in 1917..... | 58,124                  | 61,665 | 86                                                     | 73               | 63               | 61               | 57               | 55   | 56   |

<sup>1</sup>Not in the birth registration area.<sup>2</sup>Exclusive of Rhode Island.

No. 86.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: RATES PER 1,000 BIRTHS, BY PRINCIPAL CAUSES, FOR THE BIRTH REGISTRATION AREA

NOTE.—See general note, p. 80

| Cause of death                                               | Deaths under 1 year of age per 1,000 births |      |      |      |                  |                  |                                                          |                  |                  |                  |                  |       |
|--------------------------------------------------------------|---------------------------------------------|------|------|------|------------------|------------------|----------------------------------------------------------|------------------|------------------|------------------|------------------|-------|
|                                                              | Entire registration area                    |      |      |      |                  |                  | Registration area as of 1917 (exclusive of Rhode Island) |                  |                  |                  |                  |       |
|                                                              | 1920                                        | 1925 | 1930 | 1931 | 1932             | 1933             | 1934                                                     | 1920             | 1925             | 1930             | 1933             | 1934  |
| All causes under 1 year of age.....                          | 85.8                                        | 71.7 | 64.6 | 61.6 | 57.6             | 58.1             | 60.1                                                     | 86.1             | 72.8             | 63.1             | 54.6             | 56.4  |
| Measles.....                                                 | 1.0                                         | .3   | .4   | .4   | .2               | .3               | .7                                                       | 1.0              | .4               | .3               | .2               | .4    |
| Scarlet fever.....                                           | .1                                          | .1   | .1   | .1   | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )                                         | 1.1              | .1               | .1               | ( <sup>1</sup> ) | ----- |
| Whooping cough.....                                          | 3.0                                         | 1.8  | 1.5  | 1.2  | 1.5              | 1.3              | 2.1                                                      | 3.0              | 1.6              | 1.4              | 1.0              | 1.7   |
| Diphtheria <sup>2</sup> .....                                | .6                                          | .3   | .2   | .2   | .2               | .2               | .2                                                       | .5               | .3               | .2               | .1               | .1    |
| Influenza and pneumonia (lobar and unspecified).....         | 5.9                                         | 4.4  | 3.8  | 4.2  | 4.0              | 4.0              | 3.6                                                      | 5.7              | 4.4              | 3.6              | 3.4              | 3.1   |
| Dysentery.....                                               | .4                                          | .3   | .4   | .3   | .2               | .4               | .4                                                       | .3               | .3               | .3               | .2               | .3    |
| Erysipelas.....                                              | .4                                          | .3   | .3   | .3   | .3               | .3               | .2                                                       | .4               | .4               | .4               | .3               | .3    |
| Tetanus.....                                                 | .1                                          | .1   | .1   | .1   | .1               | .1               | .1                                                       | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | -----            | ----- |
| Tuberculosis (all forms).....                                | 1.0                                         | .6   | .5   | .5   | .5               | .4               | .3                                                       | 1.0              | .7               | .5               | .4               | .3    |
| Syphilis.....                                                | .9                                          | .7   | .8   | .8   | .8               | .8               | .7                                                       | .8               | .7               | .7               | .6               | .6    |
| Convulsions.....                                             | 1.0                                         | .7   | .4   | .3   | .3               | .3               | .3                                                       | 1.0              | .7               | .4               | .3               | .2    |
| Bronchitis and broncho-pneumonia.....                        | 9.6                                         | 7.7  | 6.8  | 6.8  | 6.0              | 5.6              | 6.2                                                      | 10.1             | 8.0              | 7.2              | 5.6              | 6.5   |
| Diseases of the stomach <sup>3</sup> .....                   | 1.2                                         | .6   | .3   | .3   | .2               | .3               | .3                                                       | 1.1              | .6               | .3               | .2               | .2    |
| Diarrhea and enteritis <sup>4</sup> .....                    | 14.9                                        | 11.2 | 7.8  | 6.6  | 5.2              | 5.6              | 6.1                                                      | 15.2             | 11.2             | 7.5              | 4.7              | 5.1   |
| Congenital malformations.....                                | 6.2                                         | 6.2  | 5.3  | 5.4  | 5.3              | 5.1              | 5.2                                                      | 6.4              | 6.8              | 5.9              | 5.9              | 5.9   |
| Congenital debility and other diseases of early infancy..... | 7.7                                         | 5.9  | 4.7  | 4.5  | 4.2              | 4.3              | 4.3                                                      | 7.7              | 6.1              | 4.8              | 4.2              | 4.1   |
| Premature birth.....                                         | 19.4                                        | 17.2 | 16.7 | 16.0 | 15.8             | 15.8             | 16.2                                                     | 19.1             | 17.6             | 16.8             | 16.2             | 16.5  |
| Injury at birth.....                                         | 3.7                                         | 4.9  | 4.8  | 4.8  | 4.6              | 4.6              | 4.5                                                      | 3.9              | 4.9              | 5.3              | 5.1              | 5.0   |
| External causes.....                                         | 1.0                                         | 1.0  | 1.1  | 1.0  | .9               | 1.0              | 1.0                                                      | 1.0              | 1.0              | .9               | .0               | 1.0   |
| Unknown or ill-defined diseases.....                         | 2.5                                         | 2.2  | 4.0  | 3.7  | 3.6              | 3.8              | 3.5                                                      | 2.5              | 2.0              | 2.0              | 1.2              | 1.2   |
| All other causes.....                                        | 5.4                                         | 5.2  | 4.5  | 4.3  | 3.8              | 3.9              | 4.0                                                      | 5.3              | 5.4              | 4.6              | 3.8              | 3.9   |

<sup>1</sup> Less than one-tenth of 1 per 1,000 births.<sup>2</sup> Includes croup in 1920.<sup>3</sup> Excludes ulcer of the duodenum in 1920.<sup>4</sup> Includes ulcer of the duodenum in 1920.

Source of tables 85 and 86: Bureau of the Census, Department of Commerce.

# No. 87.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: RATES PER 1,000 BIRTHS ACCORDING TO AGE SUBDIVISIONS

NOTE.—See general note, p. 80

| Age                     | Deaths under 1 year of age per 1,000 births |      |      |      |      |      |      |                                                             |      |      |      |      |
|-------------------------|---------------------------------------------|------|------|------|------|------|------|-------------------------------------------------------------|------|------|------|------|
|                         | Entire registration area                    |      |      |      |      |      |      | Registration area as of 1917<br>(exclusive of Rhode Island) |      |      |      |      |
|                         | 1920                                        | 1925 | 1930 | 1931 | 1932 | 1933 | 1934 | 1920                                                        | 1925 | 1930 | 1933 | 1934 |
| Total under 1 year..... | 85.8                                        | 71.7 | 64.6 | 61.6 | 57.6 | 58.1 | 60.1 | 86.1                                                        | 72.8 | 63.1 | 54.6 | 58.4 |
| Under 1 day.....        | 14.8                                        | 15.0 | 15.0 | 15.0 | 15.0 | 15.1 | 15.4 | 14.8                                                        | 15.0 | 14.9 | 15.0 | 15.5 |
| 1 day.....              | 4.6                                         | 4.2  | 4.2  | 4.0  | 3.8  | 3.8  | 3.9  | 4.6                                                         | 4.3  | 4.2  | 3.8  | 3.8  |
| 2 days.....             | 3.4                                         | 3.2  | 2.9  | 2.7  | 2.6  | 2.7  | 2.6  | 3.4                                                         | 3.2  | 2.9  | 2.7  | 2.5  |
| 3 to 6 days.....        | 6.4                                         | 5.8  | 5.1  | 4.7  | 4.7  | 4.7  | 4.6  | 6.4                                                         | 5.9  | 5.0  | 4.6  | 4.4  |
| 1 week.....             | 5.4                                         | 4.4  | 3.9  | 3.6  | 3.4  | 3.5  | 3.4  | 5.4                                                         | 4.5  | 3.8  | 3.1  | 3.1  |
| 2 weeks.....            | 3.8                                         | 2.9  | 2.5  | 2.4  | 2.2  | 2.2  | 2.3  | 3.8                                                         | 3.0  | 2.5  | 2.1  | 2.2  |
| 3 weeks.....            | 3.1                                         | 2.3  | 2.1  | 2.0  | 1.8  | 1.9  | 1.9  | 3.1                                                         | 2.4  | 2.1  | 1.8  | 1.8  |
| Under 1 month.....      | 41.5                                        | 37.8 | 35.7 | 34.6 | 33.5 | 34.0 | 34.1 | 41.5                                                        | 38.3 | 35.4 | 33.1 | 33.3 |
| 1 month.....            | 7.3                                         | 5.8  | 5.3  | 5.0  | 4.7  | 4.5  | 4.8  | 7.2                                                         | 5.9  | 5.1  | 4.2  | 4.3  |
| 2 months.....           | 5.7                                         | 4.6  | 4.2  | 4.0  | 3.6  | 3.5  | 3.8  | 5.7                                                         | 4.7  | 4.1  | 3.1  | 3.5  |
| 3 to 5 months.....      | 13.1                                        | 10.3 | 8.8  | 8.0  | 7.2  | 7.2  | 7.8  | 13.2                                                        | 10.5 | 8.4  | 6.4  | 6.9  |
| 6 to 8 months.....      | 10.0                                        | 7.4  | 6.2  | 5.7  | 4.9  | 5.0  | 5.4  | 10.1                                                        | 7.5  | 5.9  | 4.4  | 4.8  |
| 9 to 11 months.....     | 8.3                                         | 5.8  | 4.6  | 4.3  | 3.8  | 3.9  | 4.2  | 8.5                                                         | 5.9  | 4.3  | 3.4  | 3.6  |

# No. 88.—HAWAII, PUERTO RICO, AND VIRGIN ISLANDS: BIRTHS AND DEATHS

|                                   | Hawaii |       |        |       |       | Puerto Rico |        | Virgin Islands |      |      |      |
|-----------------------------------|--------|-------|--------|-------|-------|-------------|--------|----------------|------|------|------|
|                                   | 1920   | 1925  | 1930   | 1933  | 1934  | 1933        | 1934   | 1925           | 1930 | 1933 | 1934 |
| Number:                           |        |       |        |       |       |             |        |                |      |      |      |
| Births.....                       | (1)    | (1)   | 10,814 | 9,633 | 9,295 | (1)         | (1)    | 634            | 592  | 578  | 657  |
| Deaths.....                       | 4,600  | 4,108 | 3,865  | 3,648 | 3,455 | 36,765      | 31,684 | 501            | 484  | 481  | 419  |
| Excess of births over deaths..... | (1)    | (1)   | 6,949  | 5,985 | 5,840 | (1)         | (1)    | 133            | 108  | 97   | 238  |
| Rate per 1,000 population:        |        |       |        |       |       |             |        |                |      |      |      |
| Births.....                       | (1)    | (1)   | 20.1   | 23.8  | 22.4  | (1)         | (1)    | (2)            | (2)  | (2)  | (2)  |
| Deaths.....                       | 17.6   | 13.0  | 10.4   | 9.0   | 8.3   | 22.7        | 19.3   | (2)            | (2)  | (2)  | (2)  |
| Excess of births over deaths..... | (1)    | (1)   | 18.7   | 14.8  | 14.1  | (1)         | (1)    | (2)            | (2)  | (2)  | (2)  |
| Deaths under 1 year of age:       |        |       |        |       |       |             |        |                |      |      |      |
| Number.....                       | 1,083  | 1,416 | 890    | 695   | 700   | 8,607       | 7,455  | 90             | 71   | 91   | 64   |
| Per 1,000 births.....             | (1)    | (1)   | 82     | 72    | 75    | (1)         | (1)    | 142            | 120  | 157  | 97   |

<sup>1</sup> Not in the birth registration area.

<sup>2</sup> Population estimates not available.

# No. 89.—HOMICIDES AND SUICIDES: NUMBER AND RATE IN CITIES HAVING 100,000 POPULATION OR MORE IN 1900

| Year      | Estimated population July 1 (thousands) | Homicides |                             | Suicides |                             | Year      | Estimated population July 1 (thousands) | Homicides |                             | Suicides |                             |
|-----------|-----------------------------------------|-----------|-----------------------------|----------|-----------------------------|-----------|-----------------------------------------|-----------|-----------------------------|----------|-----------------------------|
|           |                                         | Number    | Rate per 100,000 population | Number   | Rate per 100,000 population |           |                                         | Number    | Rate per 100,000 population | Number   | Rate per 100,000 population |
| 1900..... | 14,134                                  | 481       | 3.4                         | 2,099    | 14.9                        | 1920..... | 23,010                                  | 1,930     | 8.4                         | 2,910    | 12.6                        |
| 1901..... | 16,104                                  | 983       | 6.1                         | 3,126    | 19.4                        | 1921..... | 23,463                                  | 2,168     | 9.2                         | 3,731    | 15.9                        |
| 1902..... | 17,073                                  | 1,455     | 8.5                         | 3,319    | 19.4                        | 1922..... | 23,936                                  | 2,211     | 9.2                         | 3,626    | 15.1                        |
| 1903..... | 17,541                                  | 1,401     | 8.0                         | 3,957    | 22.6                        | 1923..... | 24,411                                  | 2,435     | 10.0                        | 3,692    | 15.1                        |
| 1904..... | 18,018                                  | 1,252     | 6.9                         | 3,772    | 20.9                        | 1924..... | 24,867                                  | 2,682     | 10.8                        | 3,855    | 15.5                        |
| 1905..... | 18,523                                  | 1,479     | 8.0                         | 3,743    | 20.2                        | 1925..... | 25,339                                  | 2,808     | 11.1                        | 4,000    | 15.8                        |
| 1906..... | 18,998                                  | 1,505     | 7.9                         | 3,880    | 20.5                        | 1926..... | 25,831                                  | 2,715     | 10.5                        | 4,264    | 16.5                        |
| 1907..... | 19,413                                  | 1,504     | 7.7                         | 3,868    | 19.9                        | 1927..... | 26,338                                  | 2,771     | 10.5                        | 4,492    | 17.1                        |
| 1908..... | 19,847                                  | 1,702     | 8.6                         | 3,957    | 19.9                        | 1928..... | 26,815                                  | 2,748     | 10.2                        | 4,799    | 17.9                        |
| 1909..... | 20,273                                  | 1,715     | 8.5                         | 4,351    | 21.5                        | 1929..... | 27,283                                  | 2,674     | 9.8                         | 4,996    | 18.3                        |
| 1910..... | 20,730                                  | 1,698     | 8.2                         | 4,455    | 21.5                        | 1930..... | 27,789                                  | 2,886     | 10.3                        | 5,587    | 20.1                        |
| 1911..... | 21,022                                  | 1,788     | 8.5                         | 3,892    | 18.5                        | 1931..... | 28,259                                  | 2,924     | 10.3                        | 5,688    | 20.1                        |
| 1912..... | 21,016                                  | 2,061     | 9.5                         | 3,816    | 17.7                        | 1932..... | 28,251                                  | 2,868     | 10.2                        | 6,059    | 21.4                        |
| 1913..... | 22,039                                  | 1,865     | 8.5                         | 3,351    | 15.2                        | 1933..... | 28,494                                  | 2,865     | 10.1                        | 5,571    | 19.6                        |
| 1914..... | 22,563                                  | 2,006     | 8.9                         | 3,229    | 14.3                        | 1934..... | (2)                                     | 2,660     | (2)                         | 5,044    | (2)                         |

<sup>1</sup> Excludes Memphis, Tenn.

<sup>2</sup> Population estimates not available.

Source of tables 87, 88, and 89: Bureau of the Census, Department of Commerce.

# No. 90.—BIRTH AND DEATH REGISTRATION: STATES INCLUDED IN REGISTRATION AREA WITH YEAR WHEN EACH WAS ADDED

| Death registration States and Territories |      |                            |      | Birth registration States and Territories |      |                     |      |
|-------------------------------------------|------|----------------------------|------|-------------------------------------------|------|---------------------|------|
| State                                     | Year | State                      | Year | State                                     | Year | State               | Year |
| Massachusetts.....                        | 1880 | Kansas.....                | 1914 | Connecticut.....                          | 1915 | New Jersey.....     | 1921 |
| New Jersey.....                           |      | South Carolina.....        | 1916 | Maine.....                                |      | Illinois.....       | 1922 |
| Dist. of Col.....                         |      | Tennessee.....             | 1917 | Massachusetts.....                        |      | Montana.....        |      |
| Connecticut.....                          |      | Illinois.....              | 1918 | Michigan.....                             |      | Wyoming.....        |      |
| Delaware <sup>1</sup> .....               | 1890 | Louisiana.....             |      | Minnesota.....                            | 1916 | Florida.....        | 1924 |
| New Hampshire.....                        |      | Oregon.....                |      | New Hampshire.....                        |      | Iowa.....           |      |
| New York.....                             |      | Florida.....               | 1919 | New York.....                             |      | North Dakota.....   |      |
| Rhode Island.....                         |      | Mississippi.....           |      | Pennsylvania.....                         | 1917 | West Virginia.....  | 1925 |
| Vermont.....                              | 1900 | Nebraska.....              |      | Rhode Island <sup>2</sup> .....           |      | Arizona.....        | 1926 |
| Maine.....                                |      | Georgia <sup>3</sup> ..... |      | Vermont.....                              |      | Idaho.....          |      |
| Michigan.....                             |      | Idaho.....                 | 1922 | Dist. of Col.....                         |      | Alabama.....        |      |
| Indiana.....                              | 1906 | Wyoming.....               |      | Maryland.....                             | 1916 | Arkansas.....       | 1927 |
| California.....                           |      | Iowa.....                  | 1923 | Indiana.....                              |      | Louisiana.....      |      |
| Colorado.....                             |      | North Dakota.....          | 1924 | Kansas.....                               |      | Missouri.....       |      |
| Maryland.....                             |      | Alabama.....               | 1925 | Kentucky.....                             | 1917 | Tennessee.....      | 1928 |
| Pennsylvania.....                         | 1908 | West Virginia.....         | 1926 | North Carolina.....                       |      | Colorado.....       |      |
| South Dakota <sup>4</sup> .....           |      | Arizona.....               | 1926 | Ohio.....                                 |      | Georgia.....        |      |
| Washington.....                           |      | Arkansas.....              | 1927 | Utah.....                                 | 1919 | Oklahoma.....       | 1929 |
| Wisconsin.....                            | 1909 | Oklahoma.....              | 1928 | Virginia.....                             |      | Nevada.....         |      |
| Ohio.....                                 |      | Nevada.....                | 1929 | Washington.....                           |      | New Mexico.....     |      |
| Minnesota.....                            |      | New Mexico.....            |      | Wisconsin.....                            | 1920 | South Dakota.....   | 1932 |
| Montana.....                              | 1910 | Texas.....                 | 1933 | California.....                           |      | Texas.....          | 1933 |
| North Carolina <sup>5</sup> .....         |      | Hawaii.....                | 1917 | Oregon.....                               |      | Virgin Islands..... | 1924 |
| Utah.....                                 |      | Virgin Islands.....        | 1924 | South Carolina <sup>6</sup> .....         |      | Hawaii.....         | 1926 |
| Kentucky.....                             | 1911 | Puerto Rico.....           | 1932 | Nebraska.....                             | 1921 |                     |      |
| Missouri.....                             |      |                            |      | Delaware.....                             |      |                     |      |
| Virginia.....                             | 1913 |                            |      | Mississippi.....                          |      |                     |      |

<sup>1</sup> Dropped from area in 1900; readmitted in 1919.    <sup>2</sup> Dropped from area in 1910; readmitted in 1930.

<sup>3</sup> Included only municipalities having a population of 1,000 or more in 1900; remainder added in 1916.

<sup>4</sup> In 1925, State registration law declared unconstitutional; readmitted in 1928.

<sup>5</sup> Dropped from area in 1919; readmitted in 1921.    <sup>6</sup> Dropped from area in 1925; readmitted in 1928.

# No. 91.—MARRIAGES, DIVORCES, AND ANNULMENTS: NUMBER AND RATIO OF DIVORCES TO MARRIAGES, CONTINENTAL UNITED STATES

NOTE.—Data have not been collected since 1932

| Calendar year | Marriages,<br>number | Divorces        |                       |              |                    | Number of<br>divorces per<br>1,000 mar-<br>riages | Number<br>of<br>annul-<br>ments <sup>1</sup> |              |
|---------------|----------------------|-----------------|-----------------------|--------------|--------------------|---------------------------------------------------|----------------------------------------------|--------------|
|               |                      | Total<br>number | Granted to<br>husband |              | Granted to<br>wife |                                                   |                                              |              |
|               |                      |                 | Number                | Per-<br>cent | Number             |                                                   |                                              | Per-<br>cent |
| 1890.....     | 542,537              | 33,461          | 11,625                | 34.7         | 21,836             | 65.3                                              | 62                                           |              |
| 1893.....     | 578,673              | 37,468          | 12,690                | 33.6         | 24,878             | 66.4                                              | 65                                           |              |
| 1894.....     | 566,161              | 37,568          | 12,651                | 33.4         | 25,017             | 66.0                                              | 66                                           |              |
| 1895.....     | 598,855              | 40,387          | 13,456                | 33.3         | 26,931             | 66.7                                              | 67                                           |              |
| 1896.....     | 613,873              | 42,937          | 14,448                | 33.6         | 28,489             | 68.4                                              | 70                                           |              |
| 1897.....     | 622,360              | 44,699          | 14,765                | 33.0         | 29,934             | 67.0                                              | 72                                           |              |
| 1898.....     | 625,655              | 47,849          | 15,988                | 33.4         | 31,861             | 66.6                                              | 76                                           |              |
| 1899.....     | 660,610              | 51,437          | 16,925                | 32.9         | 34,512             | 67.1                                              | 79                                           |              |
| 1900.....     | 685,284              | 55,761          | 18,620                | 33.4         | 37,131             | 66.6                                              | 81                                           |              |
| 1901.....     | 716,621              | 60,984          | 20,008                | 32.8         | 40,976             | 67.2                                              | 85                                           |              |
| 1902.....     | 746,738              | 61,490          | 20,066                | 32.6         | 41,424             | 67.4                                              | 82                                           |              |
| 1903.....     | 786,132              | 64,925          | 21,321                | 32.3         | 43,604             | 67.2                                              | 83                                           |              |
| 1904.....     | 781,145              | 66,199          | 22,189                | 33.5         | 44,010             | 66.5                                              | 85                                           |              |
| 1905.....     | 804,787              | 67,976          | 22,220                | 32.7         | 45,756             | 67.3                                              | 84                                           |              |
| 1906.....     | 853,290              | 72,062          | 23,455                | 32.5         | 48,607             | 67.5                                              | 84                                           |              |
| 1916.....     | 1,040,684            | * 114,000       | 33,809                | 31.1         | 74,893             | 68.9                                              | 108                                          |              |
| 1922.....     | 1,134,161            | * 148,815       | 47,359                | 32.0         | 100,416            | 88.0                                              | 131                                          |              |
| 1923.....     | 1,229,784            | * 166,006       | 52,999                | 32.2         | 111,480            | 87.8                                              | 134                                          |              |
| 1924.....     | 1,184,574            | * 170,922       | 52,984                | 31.5         | 115,328            | 88.5                                              | 144                                          |              |
| 1925.....     | 1,188,334            | * 175,449       | 52,147                | 30.1         | 121,333            | 89.9                                              | 148                                          |              |
| 1926.....     | 1,202,574            | * 180,853       | 52,834                | 29.6         | 126,663            | 70.5                                              | 150                                          |              |
| 1927.....     | 1,201,063            | * 192,037       | 54,637                | 29.0         | 134,048            | 71.0                                              | 160                                          |              |
| 1928.....     | 1,182,497            | * 195,939       | 55,065                | 28.6         | 137,277            | 71.4                                              | 166                                          |              |
| 1929.....     | 1,232,559            | * 201,468       | 57,148                | 28.7         | 142,187            | 71.3                                              | 163                                          |              |
| 1930.....     | 1,126,856            | * 191,591       | 52,554                | 27.7         | 137,309            | 72.3                                              | 170                                          |              |
| 1931.....     | 1,060,914            | * 183,664       | 49,591                | 27.2         | 132,612            | 72.8                                              | 173                                          |              |
| 1932.....     | 981,903              | * 160,338       | 42,335                | 26.5         | 117,375            | 73.5                                              | 163                                          |              |

<sup>1</sup> Statistics for annulments were collected for the first time in 1926.

<sup>2</sup> Includes divorces for which the libellant was not reported. Percentages, however, are based on the total number for which libellant was reported.

Source of tables 90 and 91: Bureau of the Census, Department of Commerce.

## No. 92.—MARRIAGES, DIVORCES, AND ANNULMENTS: BY STATES

NOTE.—Data have not been collected since 1932

| Division and State          | Marriages |         |                                          |      | Divorces |         |                                          |       | Number of divorces per 1,000 marriages |      | Number of annulments, 1932 |
|-----------------------------|-----------|---------|------------------------------------------|------|----------|---------|------------------------------------------|-------|----------------------------------------|------|----------------------------|
|                             | Number    |         | Per 1,000 of the population <sup>1</sup> |      | Number   |         | Per 1,000 of the population <sup>1</sup> |       |                                        |      |                            |
|                             | 1931      | 1932    | 1931                                     | 1932 | 1931     | 1932    | 1931                                     | 1932  | 1931                                   | 1932 |                            |
| Continental U. S.           | 1,080,564 | 981,903 | 8.5                                      | 7.9  | 183,664  | 160,335 | 1.48                                     | 1.28  | 173                                    | 163  | 3,903                      |
| New England                 | 55,282    | 49,455  | 8.7                                      | 8.0  | 7,937    | 7,628   | .96                                      | .92   | 144                                    | 154  | 98                         |
| Maine                       | 6,232     | 5,564   | 7.8                                      | 7.0  | 1,342    | 1,219   | 1.68                                     | 1.52  | 215                                    | 210  | 17                         |
| New Hampshire               | 5,535     | 5,437   | 11.9                                     | 11.6 | 680      | 629     | 1.41                                     | 1.34  | 119                                    | 116  | 9                          |
| Vermont                     | 2,564     | 2,405   | 7.1                                      | 1.7  | 325      | 365     | .90                                      | 1.01  | 127                                    | 152  | 2                          |
| Massachusetts               | 26,296    | 22,817  | 6.1                                      | 5.3  | 3,585    | 3,543   | .84                                      | .82   | 139                                    | 155  | 66                         |
| Rhode Island                | 4,635     | 4,080   | 6.7                                      | 5.9  | 674      | 730     | .97                                      | 1.05  | 145                                    | 179  | —                          |
| Connecticut                 | 10,080    | 9,150   | 6.2                                      | 5.6  | 1,351    | 1,140   | .83                                      | .70   | 135                                    | 125  | 14                         |
| Middle Atlantic             | 200,606   | 183,590 | 7.6                                      | 8.9  | 15,484   | 13,437  | .58                                      | .50   | 77                                     | 73   | 1,141                      |
| New York                    | 114,322   | 104,665 | 9.0                                      | 8.1  | 5,091    | 4,385   | .40                                      | .38   | 45                                     | 47   | 1,025                      |
| New Jersey                  | 26,458    | 22,840  | 6.4                                      | 5.5  | 3,152    | 2,736   | .77                                      | .66   | 119                                    | 120  | 75                         |
| Pennsylvania                | 59,826    | 56,085  | 6.2                                      | 5.8  | 7,241    | 5,815   | .75                                      | .60   | 121                                    | 104  | 41                         |
| East North Central          | 196,511   | 173,443 | 7.7                                      | 6.7  | 46,551   | 39,420  | 1.82                                     | 1.53  | 237                                    | 227  | 377                        |
| Ohio                        | 42,853    | 29,663  | 6.4                                      | 4.4  | 13,312   | 11,176  | 1.98                                     | 1.66  | 911                                    | 877  | 58                         |
| Indiana                     | 38,372    | 35,105  | 11.8                                     | 11.0 | 7,278    | 6,322   | 2.23                                     | 1.93  | 190                                    | 176  | 76                         |
| Illinois                    | 71,636    | 65,088  | 9.3                                      | 8.4  | 13,693   | 11,745  | 1.80                                     | 1.51  | 194                                    | 180  | 131                        |
| Michigan                    | 28,856    | 28,562  | 5.9                                      | 5.7  | 9,425    | 7,821   | 1.91                                     | 1.57  | 327                                    | 274  | 64                         |
| Wisconsin                   | 14,784    | 14,035  | 5.0                                      | 4.7  | 2,643    | 2,356   | .89                                      | .79   | 179                                    | 168  | 48                         |
| West North Central          | 107,537   | 99,950  | 8.0                                      | 7.5  | 22,531   | 19,443  | 1.69                                     | 1.45  | 210                                    | 195  | 162                        |
| Minnesota                   | 19,207    | 17,346  | 7.5                                      | 6.7  | 2,807    | 2,473   | 1.09                                     | .96   | 146                                    | 143  | 11                         |
| Iowa                        | 14,160    | 8,014   | 5.7                                      | 3.2  | 4,117    | 3,363   | 1.66                                     | 1.35  | 200                                    | 418  | 21                         |
| Missouri                    | 33,971    | 35,155  | 9.3                                      | 9.6  | 8,994    | 7,887   | 2.47                                     | 2.16  | 265                                    | 224  | 52                         |
| North Dakota                | 3,533     | 3,800   | 5.3                                      | 3.3  | 487      | 370     | .71                                      | .54   | 134                                    | 103  | 8                          |
| South Dakota                | 6,995     | 7,185   | 10.0                                     | 10.3 | 753      | 662     | 1.08                                     | .96   | 108                                    | 92   | 4                          |
| Nebraska                    | 11,030    | 11,757  | 8.0                                      | 8.5  | 1,531    | 1,454   | 1.11                                     | 1.05  | 139                                    | 124  | 46                         |
| Kansas                      | 18,311    | 16,890  | 9.7                                      | 8.9  | 3,842    | 3,244   | 2.03                                     | 1.71  | 210                                    | 192  | 20                         |
| South Atlantic              | 159,701   | 149,809 | 10.0                                     | 9.4  | 14,573   | 12,397  | .91                                      | .77   | 91                                     | 83   | 223                        |
| Delaware                    | 1,013     | 902     | 4.2                                      | 3.8  | 181      | 176     | .75                                      | .73   | 179                                    | 195  | 6                          |
| Maryland                    | 24,703    | 22,779  | 15.0                                     | 13.8 | 2,014    | 1,714   | 1.22                                     | 1.04  | 82                                     | 75   | 13                         |
| Dist. of Columbia           | 5,316     | 4,947   | 10.8                                     | 10.0 | 215      | 140     | .44                                      | .28   | 40                                     | 28   | 48                         |
| Virginia                    | 25,295    | 24,628  | 10.4                                     | 10.1 | 3,130    | 2,613   | 1.29                                     | 1.07  | 124                                    | 100  | 19                         |
| West Virginia               | 18,173    | 18,480  | 10.4                                     | 10.5 | 1,599    | 1,201   | .91                                      | .68   | 88                                     | 65   | 35                         |
| North Carolina              | 13,130    | 11,614  | 4.1                                      | 3.6  | 1,525    | 1,311   | .47                                      | .40   | 116                                    | 113  | 16                         |
| South Carolina <sup>2</sup> | 26,404    | 25,513  | 15.1                                     | 14.6 | —        | —       | —                                        | —     | —                                      | —    | —                          |
| Georgia                     | 28,331    | 25,747  | 9.7                                      | 8.9  | 2,346    | 2,153   | .81                                      | .74   | 83                                     | 84   | 29                         |
| Florida                     | 17,336    | 15,301  | 11.5                                     | 10.0 | 3,563    | 3,089   | 2.37                                     | 2.02  | 206                                    | 202  | 38                         |
| East South Central          | 101,562   | 97,530  | 10.2                                     | 9.8  | 14,098   | 12,254  | 1.41                                     | 1.22  | 139                                    | 126  | 31                         |
| Kentucky                    | 34,132    | 31,689  | 13.0                                     | 12.0 | 4,472    | 3,985   | 1.70                                     | 1.51  | 181                                    | 126  | 13                         |
| Tennessee                   | 19,696    | 18,051  | 7.5                                      | 6.8  | 4,669    | 4,191   | 1.77                                     | 1.53  | 237                                    | 222  | 9                          |
| Alabama                     | 25,945    | 25,102  | 9.7                                      | 9.4  | 2,942    | 2,166   | 1.10                                     | .81   | 113                                    | 86   | 3                          |
| Mississippi                 | 21,689    | 22,688  | 10.7                                     | 11.1 | 2,015    | 1,912   | .99                                      | .94   | 93                                     | 84   | 5                          |
| West South Central          | 119,139   | 118,933 | 9.7                                      | 9.6  | 27,766   | 25,477  | 2.25                                     | 2.05  | 233                                    | 214  | 297                        |
| Arkansas                    | 24,537    | 25,802  | 13.2                                     | 13.8 | 3,476    | 3,910   | 1.87                                     | 2.09  | 142                                    | 152  | 14                         |
| Louisiana                   | 20,187    | 19,127  | 9.5                                      | 9.0  | 1,601    | 1,404   | .75                                      | .68   | 79                                     | 73   | 19                         |
| Oklahoma                    | 33,923    | 33,935  | 14.0                                     | 13.9 | 6,901    | 5,991   | 2.85                                     | 2.46  | 203                                    | 177  | 127                        |
| Texas                       | 40,512    | 40,069  | 6.9                                      | 6.7  | 15,788   | 14,172  | 2.67                                     | 2.38  | 360                                    | 354  | 137                        |
| Mountain                    | 47,848    | 43,264  | 12.8                                     | 11.5 | 13,223   | 11,050  | 3.55                                     | 2.95  | 278                                    | 255  | 212                        |
| Montana                     | 5,064     | 4,970   | 9.4                                      | 9.2  | 1,253    | 1,022   | 2.33                                     | 1.90  | 247                                    | 206  | 25                         |
| Idaho                       | 2,263     | 1,526   | 5.1                                      | 3.4  | 961      | 806     | 2.15                                     | 1.80  | 425                                    | 528  | 15                         |
| Wyoming                     | 1,244     | 777     | 5.5                                      | 3.4  | 653      | 598     | 2.86                                     | 2.61  | 525                                    | 770  | 9                          |
| Colorado                    | 9,952     | 6,614   | 9.5                                      | 6.3  | 2,209    | 2,105   | 2.12                                     | 2.01  | 222                                    | 318  | 71                         |
| New Mexico                  | 8,380     | 8,879   | 19.6                                     | 20.6 | 725      | 696     | 1.69                                     | 1.61  | 87                                     | 78   | 15                         |
| Arizona                     | 7,575     | 7,642   | 17.1                                     | 17.1 | 1,125    | 843     | 2.54                                     | 1.89  | 149                                    | 111  | 33                         |
| Utah                        | 5,738     | 5,768   | 11.2                                     | 11.2 | 1,037    | 986     | 2.03                                     | 1.91  | 181                                    | 171  | 17                         |
| Nevada                      | 7,630     | 7,088   | 82.9                                     | 76.2 | 5,260    | 3,989   | 57.17                                    | 42.89 | 689                                    | 563  | 27                         |
| Pacific                     | 73,770    | 65,831  | 8.7                                      | 7.7  | 21,501   | 19,234  | 2.66                                     | 2.28  | 295                                    | 292  | 1,357                      |
| Washington                  | 17,908    | 15,999  | 11.3                                     | 10.1 | 3,971    | 3,434   | 2.51                                     | 2.16  | 222                                    | 215  | 65                         |
| Oregon                      | 7,399     | 6,668   | 7.6                                      | 6.9  | 2,417    | 1,703   | 2.60                                     | 1.75  | 329                                    | 265  | 25                         |
| California                  | 47,525    | 43,164  | 8.1                                      | 7.3  | 15,113   | 14,097  | 2.68                                     | 2.37  | 318                                    | 327  | 1,267                      |

<sup>1</sup> Based on estimated population for the given year.<sup>2</sup> No divorces are granted in South Carolina.

Source: Bureau of the Census, Department of Commerce.

## 4. IMMIGRATION, EMIGRATION, AND NATURALIZATION

[In compiling immigration statistics for the United States, Alaska, Hawaii, and Puerto Rico, beginning 1904, 1901, and 1902, respectively, were included. In prior years the transfer of population between them and the United States was considered immigration.]

### No. 93.—IMMIGRATION: 1821 TO 1935

NOTE.—For 1821 to 1867 the figures represent alien passengers arriving; for 1868 to 1903, immigrants arriving; for 1904 to 1909, aliens admitted; for 1907 to date, immigrant aliens admitted. Data are for fiscal years ended June 30 except as noted; for periods they are totals, not annual averages

| Period or year         | Number      | Year | Number   | Year | Number      | Year            | Number   |
|------------------------|-------------|------|----------|------|-------------|-----------------|----------|
| 1821-1830 <sup>1</sup> | 143, 439    | 1878 | 138, 469 | 1900 | 448, 672    | 1922            | 309, 566 |
| 1831-1840 <sup>2</sup> | 599, 125    | 1879 | 177, 826 | 1901 | 487, 918    | 1923            | 522, 919 |
| 1841-1850 <sup>2</sup> | 1, 713, 251 | 1880 | 457, 267 | 1902 | 648, 743    | 1924            | 706, 899 |
| 1851-1860 <sup>2</sup> | 2, 598, 214 | 1881 | 669, 431 | 1903 | 857, 046    | 1925            | 294, 314 |
| 1861-1870 <sup>2</sup> | 2, 814, 824 | 1882 | 788, 992 | 1904 | 812, 870    | 1926            | 304, 488 |
| 1871-1880              | 2, 812, 191 | 1883 | 603, 322 | 1905 | 1, 026, 499 | 1927            | 335, 175 |
| 1881-1890              | 5, 246, 613 | 1884 | 518, 592 | 1906 | 1, 100, 735 | 1928            | 307, 255 |
| 1891-1900              | 3, 687, 504 | 1885 | 396, 346 | 1907 | 1, 285, 849 | 1929            | 279, 678 |
| 1901-1910              | 8, 795, 386 | 1886 | 334, 203 | 1908 | 782, 870    | 1930            | 241, 700 |
| 1911-1920              | 5, 735, 811 | 1887 | 490, 109 | 1909 | 751, 786    | 1931            | 97, 139  |
| 1921-1930              | 4, 107, 209 | 1888 | 546, 889 | 1910 | 1, 041, 670 | 1932            | 35, 576  |
| 1930-1934              | 3, 255, 149 | 1889 | 444, 427 | 1911 | 878, 687    | 1933            | 23, 098  |
| 1906-1909              | 4, 947, 239 | 1890 | 455, 302 | 1912 | 873, 192    | 1934            | 29, 470  |
| 1910-1914              | 5, 174, 701 | 1891 | 590, 319 | 1913 | 1, 197, 892 | 1935            | 34, 956  |
| 1915-1919              | 1, 172, 679 | 1892 | 579, 663 | 1914 | 1, 218, 480 | Calendar years: |          |
| 1920-1924              | 2, 774, 600 | 1893 | 439, 730 | 1915 | 326, 700    |                 |          |
| 1925-1929              | 1, 520, 910 | 1894 | 285, 631 | 1916 | 298, 826    | 1930            | 180, 251 |
| 1874                   | 313, 339    | 1895 | 258, 536 | 1917 | 295, 403    | 1931            | 43, 353  |
| 1875                   | 227, 498    | 1896 | 343, 267 | 1918 | 110, 618    | 1932            | 28, 008  |
| 1876                   | 169, 986    | 1897 | 230, 832 | 1919 | 141, 132    | 1933            | 23, 899  |
| 1877                   | 141, 857    | 1898 | 229, 299 | 1920 | 430, 001    | 1934            | 34, 371  |
|                        |             | 1899 | 311, 715 | 1921 | 805, 228    | 1935            | 34, 912  |

<sup>1</sup> Oct. 1, 1820, to Sept. 30, 1830.

<sup>2</sup> Oct. 1, 1830, to Dec. 31, 1840.

<sup>3</sup> Calendar years.

<sup>4</sup> Jan. 1, 1861, to June 30, 1870.

### No. 94.—ADMISSIONS AND DEPARTURES OF ALIENS

| Period or year ended— | Admitted    |               |             | Departed    |             |             | Excess of admissions over departures <sup>1</sup> |             |
|-----------------------|-------------|---------------|-------------|-------------|-------------|-------------|---------------------------------------------------|-------------|
|                       | Immi-grant  | Nonim-migrant | Total       | Emigrant    | Nonemigrant | Total       | Immigrant over emigrant                           | Total       |
| June 30:              |             |               |             |             |             |             |                                                   |             |
| 1910-1914, total      | 5, 174, 701 | 901, 099      | 6, 075, 800 | 1, 442, 892 | 1, 816, 762 | 2, 759, 654 | 3, 731, 809                                       | 3, 316, 146 |
| 1915-1919, total      | 1, 172, 679 | 440, 064      | 1, 612, 743 | 618, 223    | 562, 636    | 1, 180, 859 | 554, 456                                          | 431, 884    |
| 1920-1924, total      | 2, 774, 600 | 810, 352      | 3, 584, 952 | 892, 984    | 723, 824    | 1, 616, 808 | 1, 881, 616                                       | 1, 968, 144 |
| 1925-1929, total      | 1, 520, 910 | 801, 560      | 2, 472, 500 | 389, 746    | 843, 861    | 1, 233, 607 | 1, 121, 164                                       | 1, 238, 893 |
| 1930-1934, total      | 426, 953    | 793, 443      | 1, 216, 396 | 936, 282    | 1, 271, 972 | 91, 263     | 91, 263                                           | -65, 676    |
| 1914                  | 1, 218, 480 | 184, 601      | 1, 403, 081 | 303, 338    | 330, 467    | 633, 805    | 915, 142                                          | 769, 276    |
| 1915                  | 326, 700    | 107, 544      | 434, 244    | 204, 074    | 180, 100    | 384, 174    | 122, 628                                          | 50, 070     |
| 1916                  | 298, 826    | 67, 922       | 366, 748    | 129, 755    | 111, 042    | 240, 807    | 169, 061                                          | 125, 941    |
| 1917                  | 295, 403    | 67, 474       | 362, 877    | 66, 277     | 80, 102     | 146, 379    | 229, 126                                          | 216, 498    |
| 1918                  | 110, 618    | 101, 235      | 211, 853    | 94, 585     | 95, 683     | 190, 268    | 16, 033                                           | 18, 585     |
| 1919                  | 141, 132    | 95, 889       | 237, 021    | 123, 522    | 92, 709     | 216, 231    | 17, 610                                           | 20, 790     |
| 1920                  | 430, 001    | 191, 575      | 621, 576    | 288, 315    | 139, 747    | 428, 062    | 141, 686                                          | 193, 614    |
| 1921                  | 805, 228    | 172, 935      | 978, 163    | 247, 718    | 178, 313    | 426, 031    | 557, 510                                          | 552, 132    |
| 1922                  | 309, 556    | 122, 940      | 432, 505    | 198, 712    | 146, 672    | 345, 384    | 110, 844                                          | 87, 121     |
| 1923                  | 522, 919    | 150, 487      | 673, 406    | 81, 450     | 119, 136    | 200, 586    | 441, 469                                          | 472, 820    |
| 1924                  | 706, 899    | 173, 405      | 879, 302    | 76, 789     | 139, 956    | 216, 745    | 630, 107                                          | 662, 557    |
| 1925                  | 294, 314    | 164, 121      | 458, 435    | 92, 728     | 132, 762    | 225, 490    | 201, 586                                          | 232, 945    |
| 1926                  | 304, 488    | 191, 618      | 496, 106    | 76, 922     | 150, 763    | 227, 755    | 227, 496                                          | 266, 361    |
| 1927                  | 335, 175    | 202, 823      | 538, 001    | 73, 366     | 180, 142    | 253, 508    | 261, 809                                          | 284, 493    |
| 1928                  | 307, 255    | 193, 376      | 500, 631    | 77, 437     | 196, 899    | 274, 356    | 229, 798                                          | 225, 275    |
| 1929                  | 279, 678    | 196, 649      | 476, 327    | 69, 203     | 188, 236    | 252, 498    | 210, 476                                          | 226, 829    |
| 1930                  | 241, 700    | 204, 514      | 446, 214    | 50, 661     | 221, 764    | 272, 425    | 191, 039                                          | 173, 789    |
| 1931                  | 97, 139     | 183, 549      | 280, 679    | 61, 882     | 229, 034    | 290, 916    | 35, 257                                           | -10, 237    |
| 1932                  | 35, 576     | 139, 295      | 174, 871    | 103, 295    | 184, 362    | 287, 657    | -67, 719                                          | -112, 786   |
| 1933                  | 23, 068     | 127, 660      | 150, 728    | 80, 081     | 163, 721    | 243, 802    | -67, 013                                          | -93, 074    |
| 1934                  | 29, 470     | 134, 434      | 163, 904    | 39, 771     | 137, 401    | 177, 172    | -10, 301                                          | -13, 268    |
| 1935                  | 34, 956     | 144, 765      | 179, 721    | 38, 834     | 150, 216    | 189, 050    | -3, 878                                           | -9, 329     |
| Dec. 31:              |             |               |             |             |             |             |                                                   |             |
| 1934                  | 34, 371     | 139, 480      | 173, 851    | 39, 183     | 146, 877    | 186, 060    | -4, 812                                           | -12, 209    |
| 1935                  | 34, 912     | 149, 980      | 184, 892    | 36, 486     | 153, 783    | 190, 269    | -1, 574                                           | -5, 377     |

<sup>1</sup> Excess of departures indicated by a minus sign.

Source of tables 93 and 94: Immigration and Naturalization Service, Department of Labor.

### No. 95.—IMMIGRANT ALIENS ADMITTED AND ALIENS DEBARRED AND DEPORTED: YEARS ENDED JUNE 30

| Period or year   | Admitted  | Debarred | Deported | Year | Admitted | Debarred | Deported |
|------------------|-----------|----------|----------|------|----------|----------|----------|
| 1900-1904, total | 3,255,149 | 29,499   | 2,510    | 1924 | 706,896  | 30,284   | 6,409    |
| 1905-1909, total | 4,947,239 | 55,888   | 6,799    | 1925 | 294,814  | 26,890   | 9,405    |
| 1910-1914, total | 5,174,701 | 115,665  | 16,010   | 1926 | 304,488  | 20,550   | 10,904   |
| 1915-1919, total | 1,172,679 | 74,929   | 11,835   | 1927 | 335,175  | 19,755   | 11,662   |
| 1920-1924, total | 2,774,630 | 90,208   | 21,694   | 1928 | 307,255  | 18,839   | 11,625   |
| 1925-1929, total | 1,520,910 | 102,661  | 56,594   | 1929 | 279,678  | 18,127   | 12,908   |
| 1930-1934, total | 426,053   | 35,952   | 82,943   | 1930 | 241,700  | 8,233    | 16,631   |
| 1919             | 141,132   | 8,326    | 3,068    | 1931 | 97,139   | 9,744    | 18,142   |
| 1920             | 439,001   | 11,795   | 2,762    | 1932 | 35,576   | 7,064    | 19,428   |
| 1921             | 305,228   | 12,770   | 4,517    | 1933 | 23,068   | 6,627    | 19,865   |
| 1922             | 809,556   | 19,731   | 4,345    | 1934 | 29,470   | 5,384    | 8,870    |
| 1923             | 522,919   | 20,619   | 3,661    | 1935 | 34,956   | 5,558    | 8,319    |

### No. 96.—IMMIGRANT ALIENS ADMITTED: BY OCCUPATION, AMOUNT OF MONEY BROUGHT, ETC., YEARS ENDED JUNE 30

|                          | 1910-1914,<br>total | 1920-1924,<br>total | 1925-1929,<br>total | 1930-1934,<br>total | 1933   | 1934   | 1935   |
|--------------------------|---------------------|---------------------|---------------------|---------------------|--------|--------|--------|
| Reporting occupations—   |                     |                     |                     |                     |        |        |        |
| Professional             | 62,124              | 79,809              | 53,953              | 20,958              | 1,631  | 2,128  | 2,277  |
| Skilled                  | 747,794             | 510,236             | 280,107             | 67,507              | 2,375  | 3,180  | 3,786  |
| Unskilled                | 2,832,435           | 954,418             | 505,119             | 97,980              | 1,872  | 2,664  | 3,787  |
| Farmers                  | 56,788              | 74,973              | 51,001              | 12,238              | 292    | 425    | 593    |
| Farm laborers            | 1,257,090           | 111,683             | 101,120             | 17,779              | 134    | 233    | 408    |
| Common laborers          | 953,421             | 466,575             | 194,587             | 24,025              | 344    | 1,113  | 1,297  |
| Servants                 | 604,907             | 288,109             | 149,447             | 41,400              | 550    | 805    | 1,418  |
| Other unskilled          | 10,199              | 13,178              | 8,064               | 2,538               | 52     | 88     | 71     |
| Commercial <sup>1</sup>  | 72,572              | 59,924              | 27,535              | 10,723              | 785    | 1,275  | 1,387  |
| Miscellaneous            | 55,279              | 95,895              | 50,198              | 11,440              | 850    | 1,094  | 1,231  |
| Bringing—                |                     |                     |                     |                     |        |        |        |
| Less than \$50           | 3,222,814           | 954,147             | 549,474             | 112,955             | 5,525  | 6,678  | 9,640  |
| \$50 or more             | 874,631             | 822,386             | 598,087             | 218,644             | 11,972 | 16,184 | 16,110 |
| Amount brought (\$1,000) | 171,405             | 171,467             | 111,743             | 46,018              | 3,277  | 5,531  | 4,914  |
| Passage paid by—         |                     |                     |                     |                     |        |        |        |
| Self                     | 3,460,555           | 1,569,835           | 863,541             | 228,818             | 11,452 | 14,994 | 17,052 |
| Relative                 | 1,657,899           | 1,123,827           | 632,616             | 188,857             | 10,843 | 13,519 | 16,591 |
| Others                   | 56,277              | 80,938              | 24,753              | 9,278               | 773    | 957    | 1,313  |
| Going to join—           |                     |                     |                     |                     |        |        |        |
| Relative                 | 4,189,633           | 2,132,479           | 1,140,502           | 351,521             | 19,359 | 25,158 | 30,067 |
| Friend                   | 706,468             | 277,995             | 148,595             | 42,137              | 1,457  | 1,931  | 2,212  |
| No one                   | 298,600             | 364,128             | 233,813             | 33,205              | 2,252  | 2,381  | 2,677  |

<sup>1</sup> Agents, bankers, hotel keepers, manufacturers, and merchants and dealers.

### No. 97.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS DEPARTED, BY SEX AND AGE; AND ILLITERACY OF IMMIGRANTS: YEARS ENDED JUNE 30

|                                  | 1910-1914,<br>total | 1915-1919,<br>total | 1920-1924,<br>total | 1925-1929,<br>total | 1930-1934,<br>total | 1933   | 1934   | 1935   |
|----------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------|--------|--------|
| Admissions, total                | 5,174,701           | 1,172,679           | 2,774,630           | 1,520,910           | 426,953             | 23,088 | 29,470 | 34,956 |
| Males                            | 3,442,917           | 688,881             | 1,577,498           | 836,091             | 192,884             | 9,219  | 12,101 | 14,010 |
| Females                          | 1,731,784           | 483,798             | 1,197,104           | 684,819             | 234,069             | 13,849 | 17,369 | 20,946 |
| Males per 1,000 females          | 1,938               | 1,424               | 1,318               | 1,221               | 824                 | 666    | 697    | 689    |
| Under 16 years <sup>1</sup>      | 657,825             | 195,241             | 516,293             | 247,373             | 74,398              | 4,131  | 5,399  | 6,893  |
| 16 to 44 years <sup>1</sup>      | 4,229,546           | 858,343             | 2,008,466           | 1,135,903           | 301,084             | 15,033 | 18,987 | 22,557 |
| 45 years and over                | 287,330             | 124,090             | 254,841             | 137,634             | 51,471              | 3,904  | 5,094  | 5,508  |
| Illiterates, number <sup>1</sup> | 1,143,266           | 116,749             | 75,231              | 20,556              | 8,180               | 871    | 957    | 1,129  |
| Per cent.                        | 22.1                | 10.0                | 2.7                 | 1.4                 | 1.9                 | 3.8    | 3.2    | 3.2    |
| Departures, total                | 1,442,892           | 618,223             | 882,084             | 399,746             | 335,690             | 80,081 | 39,771 | 38,834 |
| Males                            | 1,163,750           | 495,643             | 682,170             | 278,709             | 216,614             | 51,852 | 24,481 | 24,283 |
| Females                          | 279,142             | 122,580             | 210,814             | 111,037             | 119,076             | 28,229 | 15,290 | 14,452 |
| Males per 1,000 females          | 4,169               | 4,043               | 3,286               | 2,510               | 1,819               | 1,837  | 1,601  | 1,687  |
| Under 16 years <sup>1</sup>      | 69,018              | 38,889              | 39,280              | 18,493              | 5,867               | 2,554  | 2,520  | 2,520  |
| 16 to 44 years <sup>1</sup>      | 1,217,753           | 488,282             | 635,980             | 285,680             | 226,108             | 54,202 | 25,546 | 25,244 |
| 45 years and over                | 155,121             | 91,058              | 217,724             | 85,573              | 83,464              | 20,012 | 11,671 | 11,070 |

<sup>1</sup> Prior to 1918 the division point is 14 years.

<sup>2</sup> Unable to read or write in any language.

Source of tables 95, 96, and 97: Immigration and Naturalization Service, Department of Labor.

## No. 98.—IMMIGRATION, BY COUNTRIES AND BY DECADES, 1841 TO 1930

NOTE.—For 1841 to 1867 figures represent alien passengers arriving; for 1868 to 1903, immigrants arriving; for 1904 to 1906, aliens admitted; thereafter, immigrant aliens admitted. Data prior to 1906 cover countries whence aliens came; thereafter, countries of last permanent residence. Owing to changes in the lists of countries separately reported and to changes in boundaries, data for certain countries are not comparable throughout. Countries added to the list since the beginning of the World War were theretofore included with the countries to which they belonged. Data are totals (not annual averages) for periods ended June 30 since 1870, Dec. 31 theretofore, except as noted.

| Country                                     | 1841-1850 | 1851-1860 | 1861-1870 <sup>1</sup> | 1871-1880 | 1881-1890 | 1891-1900 | 1901-1910 | 1911-1920 | 1921-1930 |
|---------------------------------------------|-----------|-----------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Grand total.....                            | 1,713,251 | 2,598,214 | 2,314,824              | 2,312,191 | 5,246,613 | 3,687,564 | 8,795,358 | 5,735,811 | 4,107,209 |
| Total Europe.....                           | 1,597,501 | 2,452,660 | 2,065,270              | 2,272,282 | 4,737,046 | 3,558,978 | 8,138,016 | 4,376,564 | 2,477,853 |
| Austria.....                                |           |           |                        |           |           |           |           |           |           |
| Hungary.....                                |           |           | 7,800                  | 72,969    | 353,719   | 592,707   | 2,145,256 | 453,649   | 32,868    |
| Belgium.....                                | 5,074     | 4,738     | 6,734                  | 7,221     | 20,177    | 18,167    | 41,635    | 442,093   | 30,680    |
| Bulgaria <sup>2</sup> .....                 |           |           |                        |           |           | 160       | 39,280    | 33,746    | 15,846    |
| Czechoslovakia.....                         |           |           |                        |           |           |           |           | 22,633    | 2,945     |
|                                             |           |           |                        |           |           |           |           | 3,426     | 102,104   |
| Denmark.....                                | 539       | 3,749     | 17,094                 | 31,771    | 88,132    | 50,231    | 65,285    | 41,983    | 32,430    |
| Finland.....                                |           |           |                        |           |           |           |           | 756       | 16,691    |
| France.....                                 | 77,262    | 76,358    | 35,985                 | 72,206    | 50,464    | 30,770    | 73,379    | 61,897    | 49,610    |
| Germany.....                                | 434,626   | 951,667   | 787,468                | 718,182   | 1,452,670 | 505,152   | 341,498   | 143,945   | 412,202   |
| Greece.....                                 | 16        | 31        | 72                     | 210       | 2,308     | 15,979    | 167,519   | 184,201   | 51,084    |
| Italy.....                                  | 1,870     | 9,231     | 11,725                 | 55,759    | 307,309   | 651,893   | 2,045,877 | 1,109,524 | 455,315   |
| Netherlands.....                            | 8,251     | 10,789    | 9,102                  | 16,541    | 53,701    | 26,758    | 48,262    | 43,718    | 26,948    |
| Norway.....                                 |           |           |                        | 95,323    | 176,586   | 95,015    | 190,505   | 66,395    | 68,521    |
| Sweden.....                                 | 13,903    | 20,931    | 109,298                | 115,922   | 391,776   | 226,266   | 249,534   | 95,074    | 97,249    |
| Poland <sup>3</sup> .....                   | 105       | 1,164     | 2,027                  | 12,970    | 51,806    | 96,720    |           | 4,813     | 227,734   |
| Portugal.....                               | 550       | 1,055     | 2,658                  | 14,082    | 16,978    | 27,508    | 69,149    | 89,732    | 29,994    |
| Rumania.....                                |           |           |                        |           | 6,348     | 12,750    | 53,008    | 13,311    | 67,646    |
| Russia.....                                 | 551       | 457       | 2,512                  | 39,284    | 213,282   | 505,290   | 1,597,306 | 921,201   | 61,742    |
| Spain.....                                  | 2,209     | 9,298     | 6,697                  | 5,266     | 8,731     | 27,935    |           | 68,611    | 28,958    |
| Switzerland.....                            | 4,644     | 25,011    | 23,286                 | 28,293    | 81,988    | 31,179    | 34,922    | 23,091    | 29,676    |
| Turkey in Europe.....                       | 59        | 83        | 129                    | 337       | 1,562     | 3,026     | 79,676    | 54,677    | 14,559    |
| United Kingdom.....                         | 1,047,763 | 1,338,093 | 1,042,674              | 984,914   | 1,452,839 | 659,954   | 865,015   | 457,559   | 550,804   |
| England.....                                | 32,092    | 247,125   | 222,277                | 437,706   | 644,080   | 216,726   | 388,017   | 249,944   | 157,420   |
| Ireland.....                                | 780,719   | 914,119   | 435,778                | 436,871   | 655,482   | 338,416   | 339,065   | 146,181   | 220,591   |
| Scotland.....                               | 3,712     | 38,331    | 38,769                 | 87,564    | 149,869   | 44,188    | 120,469   | 78,357    | 159,781   |
| Wales.....                                  | 1,261     | 6,819     | 4,813                  | 6,681     | 12,640    | 10,557    | 17,464    | 13,107    | 13,012    |
| Not specified.....                          | 229,979   | 132,199   | 341,537                | 16,142    | 168       | 67        |           |           |           |
| Yugoslavia.....                             |           |           |                        |           |           |           |           | 1,888     | 49,064    |
| Other Europe.....                           | 79        | 5         | 8                      | 1,001     | 682       | 122       | 665       | 8,111     | 22,983    |
| Total Asia <sup>4</sup> .....               | 82        | 41,456    | 84,630                 | 123,823   | 88,380    | 71,236    | 243,567   | 192,559   | 97,400    |
| China <sup>5</sup> .....                    | 35        | 41,397    | 64,301                 | 123,201   | 61,711    | 14,799    | 20,605    | 21,278    | 29,907    |
| Japan <sup>6</sup> .....                    |           |           | 186                    | 149       | 2,270     | 25,942    | 129,797   | 83,837    | 33,462    |
| Turkey in Asia <sup>7</sup> .....           |           |           | 2                      | 67        | 2,220     | 26,799    | 77,393    | 79,389    | 19,165    |
| Other Asia <sup>8</sup> .....               | 47        | 58        | 141                    | 406       | 2,179     | 3,696     | 15,772    | 8,055     | 14,866    |
| Total America <sup>9</sup> .....            | 62,469    | 74,720    | 186,607                | 404,044   | 426,967   | 38,972    | 361,888   | 1,148,871 | 1,516,716 |
| Canada and Newfoundland <sup>10</sup> ..... | 41,723    | 59,309    | 153,878                | 363,640   | 393,304   | 3,811     | 179,228   | 742,185   | 924,516   |
| Mexico <sup>11</sup> .....                  | 3,271     | 3,078     | 2,191                  | 5,162     | 1,013     | 971       | 49,642    | 219,004   | 450,287   |
| Central America <sup>12</sup> .....         | 368       | 449       | 95                     | 157       | 404       | 549       | 8,192     | 17,150    | 15,769    |
| South America <sup>13</sup> .....           | 3,579     | 1,224     | 1,397                  | 1,128     | 2,304     | 1,075     | 17,280    | 41,899    | 42,215    |
| West Indies <sup>14</sup> .....             | 13,528    | 10,660    | 9,046                  | 13,957    | 29,042    | 33,066    | 107,548   | 123,424   | 74,899    |
| Other America.....                          |           |           |                        |           |           |           |           |           | 31        |
| Africa <sup>15</sup> .....                  | 55        | 210       | 312                    | 358       | 357       | 350       | 7,368     | 8,443     | 6,286     |
| Australia, Tasmania, and New Zealand.....   |           |           | 36                     | 9,886     | 7,017     | 2,740     | 11,975    | 12,348    | 8,299     |
| Pacific Islands (not specified).....        |           |           |                        | 1,028     | 5,557     | 1,225     | 1,049     | 1,070     | 427       |
| All other countries.....                    | 53,144    | 20,169    | 17,969                 | 790       | 789       | 14,063    | 93,523    | 1,147     | 228       |

<sup>1</sup> Jan. 1, 1861, to June 30, 1870.

<sup>2</sup> Includes Serbia and Montenegro prior to 1920.

<sup>3</sup> From 1899 to 1919 Poland is included with Austria-Hungary, Germany, and Russia.

<sup>4</sup> Includes Irish Free State.

<sup>5</sup> Included in "All other countries" in 1892.

<sup>6</sup> Included in "All other countries" in 1892; in "Other Asia" in 1893 and 1894.

<sup>7</sup> Immigrants from Canada, Newfoundland, and Mexico not reported from 1886 to 1893, inclusive.

<sup>8</sup> Included in "All other countries" in 1892 and 1893.

<sup>9</sup> Includes 32,897 persons returning to their homes in the United States. After 1906 such aliens have been included in immigration statistics as nonimmigrants; prior to that year, aliens were recorded by countries whence they came (see headnote).

Source: Immigration and Naturalization Service, Department of Labor.



## No. 99.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS

NOTE.—Residence for a year or more is regarded as permanent residence. Excess of departures indicated 1920-1924, the same and subsequent

| Country                           | Fiscal years ended June 30— |           |                      |                  |           |                      |                  |           |                      |
|-----------------------------------|-----------------------------|-----------|----------------------|------------------|-----------|----------------------|------------------|-----------|----------------------|
|                                   | 1910-1914, total            |           |                      | 1925-1929, total |           |                      | 1930-1934, total |           |                      |
|                                   | Admitted                    | De-parted | Excess of admissions | Admitted         | De-parted | Excess of admissions | Admitted         | De-parted | Excess of admissions |
| All countries, total.             | 5,174,701                   | 1,442,882 | 3,731,809            | 1,520,810        | 389,748   | 1,131,164            | 420,953          | 335,690   | 81,263               |
| Europe, total.                    | 4,524,169                   | 1,176,087 | 3,348,132            | 789,407          | 204,972   | 494,435              | 250,519          | 186,091   | 73,428               |
| Albania.                          | —                           | —         | —                    | 1,072            | 1,062     | 10                   | 1,097            | 319       | 778                  |
| Austria.                          | 575,852                     | 181,494   | 394,358              | 5,550            | 2,447     | 3,103                | 3,321            | 1,520     | 1,792                |
| Hungary.                          | 553,801                     | 174,362   | 379,439              | 4,237            | 4,208     | —29                  | 3,167            | 2,559     | 608                  |
| Belgium.                          | 28,450                      | 4,727     | 23,723               | 3,575            | 2,455     | 1,120                | 1,968            | 2,621     | —629                 |
| Bulgaria.                         | 24,821                      | 20,514    | 4,307                | 910              | 614       | 296                  | 539              | 855       | —140                 |
| Czechoslovakia.                   | —                           | —         | —                    | 10,937           | 11,059    | 5,878                | 7,886            | 5,962     | 1,924                |
| Denmark.                          | 33,470                      | 2,804     | 30,666               | 12,496           | 2,815     | 9,681                | 2,271            | 1,933     | 338                  |
| Estonia.                          | —                           | —         | —                    | 679              | 81        | 598                  | 335              | 244       | 91                   |
| Finland.                          | —                           | —         | —                    | 2,298            | 2,570     | —272                 | 1,210            | 2,437     | —1,227               |
| France.                           | 43,004                      | 17,003    | 26,001               | 21,358           | 7,677     | 13,681               | 7,875            | 9,326     | —1,651               |
| Germany.                          | 161,165                     | 27,938    | 133,257              | 237,531          | 25,277    | 212,254              | 45,951           | 22,174    | 23,777               |
| Greece.                           | 132,212                     | 70,708    | 61,504               | 8,630            | 19,065    | —10,435              | 6,068            | 4,813     | 1,255                |
| Irish Free State.                 | —                           | —         | —                    | 120,188          | 5,838     | 114,800              | 25,120           | 9,287     | 15,839               |
| Italy.                            | 1,104,833                   | 405,723   | 699,110              | 67,480           | 94,625    | —27,035              | 50,239           | 19,247    | 30,992               |
| Latvia.                           | —                           | —         | —                    | 1,556            | 202       | 1,354                | 770              | 271       | 499                  |
| Lithuania.                        | —                           | —         | —                    | 3,034            | 1,809     | 1,225                | 1,473            | 1,373     | 100                  |
| Netherlands.                      | 35,734                      | 2,777     | 32,957               | 8,794            | 2,558     | 6,236                | 4,472            | 2,782     | 1,690                |
| Norway.                           | 57,079                      | 9,245     | 47,834               | 29,436           | 8,287     | 21,149               | 4,714            | 6,970     | —1,926               |
| Poland.                           | —                           | —         | —                    | 39,435           | 14,596    | 24,839               | 16,495           | 8,960     | 7,529                |
| Portugal.                         | 51,902                      | 8,477     | 43,425               | 3,059            | 12,150    | —8,091               | 1,742            | 4,130     | —2,388               |
| Rumania.                          | 12,851                      | 2,331     | 10,520               | 6,727            | 5,895     | 922                  | 3,618            | 2,628     | 990                  |
| Russia.                           | 1,054,608                   | 153,470   | 901,138              | 6,912            | 1,699     | 5,213                | 2,081            | 2,046     | —865                 |
| Spain.                            | 28,631                      | 8,723     | 19,908               | 2,032            | 11,767    | —9,735               | 2,086            | 9,870     | —7,793               |
| Sweden.                           | 39,215                      | 9,340     | 29,875               | 42,119           | 5,689     | 36,430               | 5,072            | 8,073     | —3,001               |
| Switzerland.                      | 18,811                      | 2,817     | 15,994               | 10,202           | 2,809     | 7,433                | 3,144            | 2,519     | 625                  |
| Turkey in Europe.                 | 69,651                      | 10,939    | 49,712               | 1,182            | 203       | 959                  | 485              | 19        | 466                  |
| United Kingdom <sup>1</sup> .     | 445,940                     | 53,555    | 392,386              | 122,747          | 37,613    | 85,134               | 51,410           | 45,812    | 5,598                |
| England.                          | 218,767                     | 29,939    | 188,828              | 49,832           | 28,093    | 21,139               | 20,686           | 26,607    | —5,661               |
| Nor. Ireland <sup>2</sup> .       | 137,410                     | 13,345    | 124,064              | 5,063            | 811       | 4,282                | 6,944            | 2,554     | 4,390                |
| Scotland.                         | 78,391                      | 9,465     | 68,926               | 61,627           | 7,880     | 53,747               | 21,823           | 15,528    | 6,295                |
| Wales.                            | 11,372                      | 805       | 10,567               | 6,195            | 229       | 5,966                | 1,957            | 1,123     | 834                  |
| Yugoslavia.                       | —                           | —         | —                    | 5,728            | 10,132    | —4,454               | 3,462            | 6,004     | —2,542               |
| Other Europe.                     | 2,109                       | 90        | 2,019                | 3,424            | 300       | 3,124                | 1,612            | 977       | 635                  |
| Asia, total.                      | 132,041                     | 32,749    | 99,292               | 17,798           | 27,478    | —9,680               | 10,960           | 23,437    | —12,477              |
| China.                            | 9,800                       | 12,157    | —2,357               | 7,925            | 18,670    | —10,645              | 3,824            | 18,153    | —12,329              |
| Japan.                            | 30,564                      | 10,692    | 19,872               | 3,421            | 5,655     | —2,234               | 2,177            | 4,463     | —2,286               |
| India.                            | 2,795                       | 747       | 2,048                | 465              | 674       | —209                 | 392              | 741       | —349                 |
| Syria, Palestine, and Iraq.       | —                           | —         | —                    | 4,630            | 1,725     | 2,805                | 2,734            | 1,034     | 1,700                |
| Turkey in Asia.                   | 83,000                      | 8,560     | 74,440               | 235              | 345       | —115                 | 336              | 238       | 98                   |
| Other Asia.                       | 4,982                       | 593       | 4,389                | 1,222            | 506       | 716                  | 1,497            | 808       | 689                  |
| America, total.                   | 508,682                     | 229,623   | 279,059              | 708,219          | 64,293    | 643,926              | 152,831          | 123,847   | 28,984               |
| Canada and Newfoundland.          | 329,316                     | 195,872   | 133,444              | 422,433          | 13,655    | 408,778              | 109,572          | 11,745    | 97,827               |
| Central America.                  | 6,423                       | 1,984     | 4,439                | 7,652            | 3,421     | 4,210                | 4,347            | 3,876     | 471                  |
| Mexico.                           | 88,358                      | 4,146     | 84,212               | 243,171          | 20,261    | 222,910              | 21,944           | 83,482    | —61,538              |
| South America.                    | 18,306                      | 6,318     | 11,988               | 17,223           | 7,419     | 9,804                | 6,487            | 8,711     | —2,224               |
| West Indies.                      | 64,023                      | 21,427    | 42,596               | 17,711           | 19,515    | —1,804               | 10,473           | 16,024    | —5,551               |
| Other America.                    | 256                         | 181       | 75                   | 26               | 1         | 25                   | 8                | 9         | —1                   |
| Africa.                           | 5,985                       | 1,161     | 4,824                | 2,445            | 701       | 1,744                | 1,350            | 938       | 412                  |
| Australia, Tasmania, New Zealand. | 5,341                       | 2,854     | 2,487                | 2,881            | 2,188     | 693                  | 2,185            | 1,181     | 1,004                |
| Philippine Islands <sup>3</sup> . | —                           | —         | —                    | —                | —         | —                    | —                | —         | —                    |
| Pacific Islands, not specified.   | 483                         | 163       | 20                   | 160              | 114       | 46                   | 108              | 196       | —88                  |

<sup>1</sup> Included with United Kingdom prior to 1925.<sup>2</sup> Figures for 1910-1914 include all Ireland.<sup>3</sup> The transfer of population between the United States and the Philippine Islands was not considered as immigration prior to May 1, 1934.

## DEPARTED: BY COUNTRY OF LAST OR FUTURE PERMANENT RESIDENCE

by minus sign (—). For totals for period 1915-1919, see Statistical Abstract, 1929, p. 96, and for period issues of this publication through 1934

| Fiscal year ended June 30— |               |               |               |               |               |               |               | Calendar year |               | Country                                     |
|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------------------------------------|
| 1932                       |               | 1933          |               | 1934          |               | 1935          |               | 1935          |               |                                             |
| Ad-<br>mitted              | De-<br>parted | Ad-<br>mitted | De-<br>parted | Ad-<br>mitted | De-<br>parted | Ad-<br>mitted | De-<br>parted | Ad-<br>mitted | De-<br>parted |                                             |
| 85,576                     | 103,265       | 83,068        | 80,081        | 29,470        | 39,771        | 34,956        | 38,834        | 34,912        | 36,486        | All countries,<br>total.                    |
| 20,579                     | 52,101        | 12,383        | 47,691        | 17,210        | 23,626        | 22,778        | 20,414        | 22,399        | 20,242        | Europe, total.                              |
| 245                        | 122           | 129           | 105           | 160           | 36            | 203           | 21            | 224           | 47            | Albania.                                    |
| 301                        | 452           | 228           | 343           | 310           | 158           | 829           | 154           | 882           | 155           | Austria.                                    |
| 446                        | 783           | 285           | 409           | 284           | 245           | 438           | 271           | 545           | 248           | Hungary.                                    |
| 229                        | 676           | 133           | 554           | 176           | 277           | 271           | 165           | 286           | 194           | Belgium.                                    |
| 65                         | 157           | 23            | 153           | 40            | 95            | 87            | 122           | 78            | 83            | Bulgaria.                                   |
| 494                        | 1,862         | 294           | 1,122         | 644           | 481           | 808           | 529           | 940           | 475           | Czechoslovakia.                             |
| 262                        | 582           | 166           | 333           | 127           | 200           | 162           | 192           | 151           | 226           | Denmark.                                    |
| 32                         | 74            | 18            | 58            | 49            | 36            | 27            | 24            | 26            | 34            | Estonia.                                    |
| 100                        | 764           | 108           | 579           | 150           | 273           | 102           | 220           | 69            | 302           | Finland.                                    |
| 854                        | 2,572         | 571           | 1,702         | 707           | 1,096         | 874           | 1,066         | 747           | 841           | France.                                     |
| 2,670                      | 5,533         | 1,919         | 5,131         | 4,392         | 3,502         | 5,201         | 3,530         | 4,799         | 3,921         | Germany.                                    |
| 877                        | 1,406         | 532           | 1,277         | 605           | 644           | 877           | 402           | 915           | 627           | Greece.                                     |
| 441                        | 2,457         | 266           | 2,804         | 327           | 1,228         | 314           | 1,203         | 334           | 1,245         | Irish Free State.                           |
| 6,662                      | 4,866         | 3,477         | 6,270         | 4,374         | 3,047         | 6,566         | 2,340         | 7,298         | 2,123         | Italy.                                      |
| 69                         | 61            | 60            | 41            | 54            | 21            | 61            | 27            | 62            | 32            | Latvia.                                     |
| 191                        | 411           | 118           | 330           | 149           | 114           | 161           | 97            | 153           | 104           | Lithuania.                                  |
| 231                        | 780           | 174           | 628           | 186           | 286           | 374           | 282           | 374           | 224           | Netherlands.                                |
| 348                        | 1,686         | 202           | 1,602         | 235           | 866           | 311           | 596           | 304           | 587           | Norway.                                     |
| 1,296                      | 2,408         | 1,332         | 1,075         | 1,032         | 785           | 1,504         | 458           | 1,145         | 433           | Poland.                                     |
| 248                        | 1,003         | 90            | 2,156         | 225           | 502           | 366           | 350           | 376           | 644           | Portugal.                                   |
| 455                        | 768           | 247           | 530           | 247           | 313           | 286           | 356           | 262           | 317           | Rumania.                                    |
| 244                        | 1,524         | 164           | 515           | 205           | 213           | 67            | 162           | 73            | 141           | Russia.                                     |
| 445                        | 2,998         | 198           | 2,815         | 297           | 1,168         | 333           | 790           | 338           | 600           | Spain.                                      |
| 328                        | 2,930         | 142           | 1,822         | 195           | 625           | 215           | 1,039         | 184           | 1,059         | Sweden.                                     |
| 235                        | 778           | 163           | 537           | 193           | 328           | 264           | 286           | 244           | 264           | Switzerland.                                |
| 62                         | 6             | 82            | 7             | 60            | 2             | 80            | 8             | 76            | 6             | Turk. in Europe.                            |
| 2,155                      | 12,321        | 1,051         | 12,792        | 1,421         | 6,414         | 1,553         | 5,208         | 1,469         | 4,846         | U. Kingdom.                                 |
| 1,374                      | 7,019         | 712           | 7,100         | 891           | 3,845         | 1,070         | 3,435         | 1,032         | 3,039         | England.                                    |
| 98                         | 621           | 72            | 649           | 116           | 411           | 140           | 133           | 131           | 203           | Nor. Ireland.                               |
| 633                        | 4,370         | 228           | 4,739         | 375           | 1,970         | 315           | 1,535         | 271           | 1,488         | Scotland.                                   |
| 50                         | 311           | 39            | 304           | 39            | 183           | 28            | 105           | 35            | 116           | Wales.                                      |
| 508                        | 1,814         | 174           | 1,048         | 184           | 523           | 282           | 443           | 403           | 399           | Yugoslavia.                                 |
| 76                         | 308           | 47            | 278           | 182           | 138           | 162           | 74            | 142           | 65            | Other Europe.                               |
| 1,931                      | 4,918         | 552           | 5,550         | 597           | 3,772         | 682           | 3,256         | 683           | 3,058         | Asia, total.                                |
| 750                        | 3,384         | 148           | 3,551         | 187           | 2,372         | 229           | 2,031         | 249           | 1,756         | China.                                      |
| 526                        | 813           | 75            | 1,074         | 86            | 842           | 88            | 781           | 84            | 803           | Japan.                                      |
| 87                         | 109           | 44            | 223           | 28            | 117           | 32            | 108           | 17            | 118           | India.                                      |
| 439                        | 255           | 220           | 314           | 246           | 274           | 272           | 212           | 273           | 258           | Syria, Palestine,<br>and Iraq.              |
| 43                         | 55            | 27            | 82            | 22            | 62            | 31            | 51            | 21            | 61            | Turkey in Asia.                             |
| 86                         | 242           | 33            | 306           | 28            | 105           | 30            | 73            | 39            | 62            | Other Asia.                                 |
| 12,577                     | 45,784        | 9,925         | 26,408        | 11,409        | 11,939        | 11,174        | 11,521        | 10,975        | 10,066        | America, total.                             |
| 8,008                      | 2,181         | 6,187         | 1,827         | 7,945         | 1,613         | 7,782         | 1,405         | 7,608         | 1,899         | Canada and<br>Newfoundland.                 |
| 672                        | 856           | 507           | 776           | 443           | 521           | 427           | 497           | 452           | 416           | Central America.                            |
| 2,171                      | 37,074        | 1,936         | 19,110        | 1,801         | 6,601         | 1,560         | 6,720         | 1,578         | 5,466         | Mexico.                                     |
| 702                        | 2,206         | 433           | 1,695         | 355           | 1,055         | 473           | 951           | 496           | 931           | South America.                              |
| 1,029                      | 3,463         | 862           | 2,963         | 861           | 2,247         | 931           | 1,947         | 830           | 1,851         | West Indies.                                |
| 1                          | 1             | 1             | 5             | 4             | 2             | 1             | 1             | 2             | 2             | Other America.                              |
| 186                        | 221           | 71            | 209           | 104           | 168           | 118           | 151           | 121           | 102           | Africa.                                     |
| 291                        | 285           | 122           | 204           | 130           | 161           | 132           | 195           | 157           | 168           | Australia, Tas-<br>mania, New Zea-<br>land. |
| 12                         | 36            | 15            | 16            | 3             | 90            | 63            | 3,275         | 63            | 2,338         | Philippine Islands <sup>a</sup>             |
|                            |               |               |               | 17            | 15            | 9             | 22            | 14            | 13            | Pacific Islands, not<br>specified.          |

Source: Immigration and Naturalization Service, Department of Labor.

## No. 100.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS

NOTE.—Excess of departures indicated by minus sign (—). For percentage distribution of immigrants, the same and subsequent issues

| Race or people                                             | Fiscal years ended June 30— |               |                              |                  |               |                              |                  |               |                              |
|------------------------------------------------------------|-----------------------------|---------------|------------------------------|------------------|---------------|------------------------------|------------------|---------------|------------------------------|
|                                                            | 1910-1914, total            |               |                              | 1925-1929, total |               |                              | 1930-1934, total |               |                              |
|                                                            | Ad-<br>mitted               | De-<br>parted | Excess<br>of ad-<br>missions | Ad-<br>mitted    | De-<br>parted | Excess<br>of ad-<br>missions | Ad-<br>mitted    | De-<br>parted | Excess<br>of ad-<br>missions |
| Total .....                                                | 5,174,701                   | 1,442,892     | 3,731,809                    | 1,520,910        | 380,748       | 1,131,164                    | 428,953          | 335,690       | 91,263                       |
| African (black) .....                                      | 33,527                      | 6,803         | 26,724                       | 4,850            | 4,043         | 807                          | 3,135            | 3,986         | -851                         |
| Armenian .....                                             | 30,960                      | 4,164         | 26,796                       | 4,201            | 314           | 3,887                        | 2,037            | 212           | 1,875                        |
| Bohemian and Mor-<br>avian (Czech) .....                   | 47,143                      | 5,182         | 41,961                       | 8,408            | 7,956         | 1,453                        | 1,207            | 2,468         | -1,261                       |
| Bulgarian, Serbian,<br>Montenegrin .....                   | 60,180                      | 35,846        | 24,334                       | 2,766            | 7,751         | -4,985                       | 1,547            | 3,611         | -2,064                       |
| Chinese .....                                              | 9,061                       | 11,987        | -2,896                       | 6,149            | 18,049        | -11,900                      | 2,331            | 15,841        | -13,510                      |
| Croatian and Slo-<br>venian .....                          | 162,893                     | 59,480        | 103,213                      | 4,046            | 2,320         | 1,726                        | 2,507            | 2,026         | 481                          |
| Cuban .....                                                | 17,038                      | 7,064         | 9,974                        | 8,506            | 6,002         | 2,504                        | 3,831            | 5,804         | -1,973                       |
| Dalmatian, Bos-<br>nian, Herzegovin-<br>ian .....          | 22,652                      | 4,021         | 18,631                       | 409              | 2,100         | -1,691                       | 277              | 700           | -423                         |
| Dutch and Flemish .....                                    | 64,882                      | 9,094         | 55,788                       | 15,200           | 5,421         | 9,779                        | 7,936            | 5,408         | 2,530                        |
| East Indian .....                                          | 2,824                       | 675           | 2,149                        | 240              | 416           | -176                         | 167              | 644           | -477                         |
| English .....                                              | 267,713                     | 48,262        | 219,451                      | 108,394          | 42,232        | 156,162                      | 58,591           | 34,631        | 23,960                       |
| Filipino <sup>1</sup> .....                                | 57,717                      | 15,637        | 42,080                       | 3,045            | 2,747         | 298                          | 1,345            | 8,344         | -7,999                       |
| Finnish .....                                              | 96,436                      | 18,667        | 77,769                       | 98,710           | 7,833         | 91,875                       | 23,736           | 9,516         | 14,220                       |
| French .....                                               | 362,936                     | 67,420        | 295,516                      | 276,265          | 20,845        | 249,420                      | 58,616           | 27,443        | 31,173                       |
| German .....                                               | 192,247                     | 76,093        | 116,154                      | 10,883           | 19,305        | -8,422                       | 8,944            | 5,331         | 3,613                        |
| Greek .....                                                | 495,459                     | 33,031        | 462,428                      | 56,160           | 1,298         | 54,862                       | 26,479           | 1,773         | 24,706                       |
| Hebrew .....                                               | 183,471                     | 19,005        | 164,466                      | 198,777          | 7,397         | 191,380                      | 50,138           | 13,603        | 36,535                       |
| Irish .....                                                | 1,146,237                   | 410,790       | 735,447                      | 73,022           | 94,988        | -21,966                      | 52,442           | 21,108        | 31,334                       |
| Italian .....                                              | 30,788                      | 10,756        | 20,032                       | 3,178            | 5,505         | -2,327                       | 2,051            | 4,338         | -2,287                       |
| Japanese .....                                             | 276                         | 820           | -544                         | 196              | 181           | 15                           | 73               | 162           | -89                          |
| Korean .....                                               | 100,050                     | 17,181        | 82,869                       | 2,006            | 1,018         | 888                          | 1,162            | 1,421         | -259                         |
| Lithuanian .....                                           | 146,045                     | 72,883        | 73,212                       | 5,464            | 4,883         | 581                          | 3,640            | 2,851         | 789                          |
| Magyar .....                                               | 82,588                      | 3,434         | 79,154                       | 238,627          | 10,832        | 218,675                      | 19,184           | 83,055        | -63,871                      |
| Pacific Islander .....                                     | 88                          | 12            | 76                           | 10               | 21            | -11                          | 6                | 28            | -22                          |
| Polish .....                                               | 581,979                     | 145,735       | 436,244                      | 18,347           | 14,603        | 3,744                        | 8,581            | 8,760         | -179                         |
| Portuguese .....                                           | 47,742                      | 7,472         | 40,270                       | 4,053            | 12,396        | -8,343                       | 1,987            | 4,450         | -2,463                       |
| Rumanian .....                                             | 85,300                      | 10,881        | 74,419                       | 2,160            | 5,443         | -3,283                       | 986              | 2,322         | -1,336                       |
| Russian .....                                              | 155,002                     | 51,904        | 103,098                      | 6,013            | 3,168         | 2,845                        | 3,689            | 2,679         | 1,010                        |
| Ruthenian .....                                            | 134,911                     | 21,454        | 113,457                      | 2,560            | 245           | 2,315                        | 889              | 184           | 705                          |
| Scandinavian (Nor-<br>wegians, Danes,<br>and Swedes) ..... | 204,287                     | 40,812        | 163,475                      | 98,891           | 18,190        | 78,701                       | 15,070           | 17,735        | -2,665                       |
| Scotch .....                                               | 110,820                     | 16,572        | 94,248                       | 125,448          | 10,342        | 115,106                      | 40,238           | 17,805        | 22,433                       |
| Slovak .....                                               | 132,165                     | 58,986        | 73,179                       | 6,811            | 3,361         | 3,450                        | 5,723            | 4,244         | 1,479                        |
| Spanish .....                                              | 43,081                      | 13,805        | 29,276                       | 4,289            | 14,557        | -10,268                      | 3,280            | 12,090        | -8,810                       |
| Spanish-American .....                                     | 6,302                       | 2,103         | 4,199                        | 14,802           | 7,993         | 6,809                        | 7,378            | 8,776         | -1,400                       |
| Syrian .....                                               | 35,519                      | 5,219         | 30,300                       | 2,857            | 1,250         | 1,617                        | 1,685            | 617           | 1,068                        |
| Turkish .....                                              | 8,245                       | 6,244         | 2,001                        | 666              | 697           | -31                          | 405              | 302           | 103                          |
| Welsh .....                                                | 12,106                      | 1,444         | 10,662                       | 7,163            | 422           | 6,741                        | 2,858            | 1,409         | 1,440                        |
| West Indian (other<br>than Cuban) .....                    | 5,990                       | 2,623         | 3,367                        | 1,533            | 8,406         | -1,553                       | 1,346            | 3,535         | -2,189                       |
| Other peoples .....                                        | 17,181                      | 104,411       | -87,230                      | 2,197            | 1,295         | 902                          | 1,396            | 1,471         | -75                          |

<sup>1</sup> The transfer of population between the United States and the Philippine Islands was not considered immigration prior to May 1, 1934.

<sup>2</sup> Includes 93,042 whose race was not specified

## DEPARTED WITH EXCESS OF ADMISSIONS OR DEPARTURES: By RACE

see table 101. For totals for period 1915-19, see Statistical Abstract, 1926, p. 98, and for period 1920-24, of this publication through 1934

| Fiscal year ended June 30— |               |               |               |               |               |          |         |             |          |         |             | Calendar<br>year 1935 |               |
|----------------------------|---------------|---------------|---------------|---------------|---------------|----------|---------|-------------|----------|---------|-------------|-----------------------|---------------|
| 1932                       |               | 1933          |               | 1934          |               | 1935     |         |             |          |         |             |                       |               |
| Ad-<br>mitted              | De-<br>parted | Ad-<br>mitted | De-<br>parted | Ad-<br>mitted | De-<br>parted | Admitted |         |             | Departed |         |             | Ad-<br>mitted         | De-<br>parted |
|                            |               |               |               |               |               | Total    | Male    | Fe-<br>male | Total    | Male    | Fe-<br>male |                       |               |
| 35, 678                    | 103, 295      | 23, 068       | 80, 081       | 29, 470       | 39, 771       | 34, 956  | 14, 010 | 20, 946     | 38, 834  | 24, 383 | 14, 451     | 34, 912               | 36, 486       |
| 183                        | 811           | 84            | 1, 058        | 178           | 604           | 246      | 108     | 138         | 597      | 240     | 357         | 265                   | 527           |
| 316                        | 45            | 251           | 47            | 211           | 23            | 187      | 56      | 131         | 27       | 16      | 11          | 157                   | 27            |
| 110                        | 676           | 68            | 264           | 112           | 162           | 137      | 60      | 77          | 166      | 101     | 65          | 122                   | 159           |
| 184                        | 954           | 92            | 582           | 98            | 302           | 173      | 84      | 89          | 289      | 242     | 47          | 173                   | 216           |
| 545                        | 3, 311        | 44            | 3, 500        | 24            | 2, 293        | 41       | -----   | 41          | 1, 956   | 1, 761  | 195         | 51                    | 1, 700        |
| 299                        | 781           | 117           | 367           | 109           | 216           | 193      | 70      | 123         | 197      | 153     | 44          | 341                   | 161           |
| 409                        | 1, 227        | 337           | 880           | 245           | 1, 060        | 270      | 136     | 134         | 893      | 535     | 358         | 191                   | 304           |
| 51                         | 238           | 20            | 140           | 29            | 84            | 35       | 18      | 17          | 65       | 33      | 32          | 44                    | 59            |
| 497                        | 1, 433        | 320           | 1, 178        | 405           | 559           | 557      | 281     | 276         | 459      | 263     | 196         | 565                   | 411           |
| 50                         | 166           | 1             | 199           | 119           | 119           | 112      | -----   | 112         | 100      | 12      | -----       | -----                 | 109           |
| 4, 491                     | 8, 478        | 2, 943        | 8, 269        | 3, 494        | 4, 841        | 3, 432   | 1, 314  | 2, 118      | 4, 297   | 2, 160  | 2, 137      | 3, 412                | 3, 876        |
| -----                      | -----         | -----         | -----         | -----         | -----         | 34       | 5       | 20          | 3, 234   | 2, 993  | 241         | 43                    | 2, 784        |
| 183                        | 1, 227        | 137           | 751           | 212           | 341           | 166      | 52      | 114         | 237      | 112     | 125         | 135                   | 323           |
| 1, 873                     | 2, 646        | 1, 393        | 1, 706        | 1, 791        | 1, 179        | 1, 677   | 559     | 1, 118      | 1, 172   | 519     | 653         | 1, 577                | 964           |
| 3, 902                     | 6, 953        | 2, 726        | 6, 152        | 3, 780        | 4, 227        | 5, 272   | 2, 058  | 3, 214      | 4, 195   | 1, 952  | 2, 243      | 5, 072                | 4, 572        |
| 1, 105                     | 1, 607        | 687           | 1, 402        | 696           | 721           | 1, 029   | 307     | 722         | 450      | 355     | 95          | 1, 042                | 657           |
| 2, 755                     | 452           | 2, 372        | 384           | 4, 134        | 319           | 4, 837   | 2, 400  | 2, 437      | 330      | 187     | 143         | 4, 454                | 365           |
| 1, 670                     | 3, 509        | 1, 258        | 3, 812        | 1, 549        | 1, 963        | 1, 449   | 516     | 933         | 1, 643   | 827     | 816         | 1, 461                | 1, 754        |
| 6, 815                     | 5, 371        | 3, 638        | 6, 632        | 4, 703        | 3, 314        | 6, 837   | 2, 548  | 4, 288      | 2, 463   | 1, 973  | 490         | 7, 540                | 2, 222        |
| 503                        | 781           | 60            | 1, 041        | 66            | 816           | 61       | 43      | 18          | 759      | 543     | 216         | 59                    | 790           |
| 19                         | 25            | 2             | 49            | 4             | 27            | -----    | -----   | -----       | 32       | 27      | 5           | 1                     | 30            |
| 171                        | 420           | 124           | 346           | 121           | 113           | 118      | 44      | 74          | 97       | 52      | 46          | 111                   | 114           |
| 441                        | 308           | 321           | 532           | 346           | 281           | 475      | 239     | 236         | 292      | 162     | 130         | 502                   | 289           |
| 1, 674                     | 36, 992       | 1, 514        | 18, 977       | 1, 454        | 6, 384        | 1, 282   | 442     | 790         | 6, 626   | 4, 126  | 2, 503      | 1, 224                | 5, 361        |
| -----                      | -----         | -----         | -----         | -----         | -----         | -----    | -----   | -----       | 7        | 6       | 1           | -----                 | 11            |
| 839                        | 2, 375        | 516           | 1, 627        | 494           | 733           | 728      | 305     | 423         | 457      | 323     | 134         | 577                   | 440           |
| 265                        | 1, 105        | 84            | 2, 174        | 222           | 537           | 365      | 146     | 219         | 401      | 235     | 108         | 382                   | 387           |
| 112                        | 608           | 96            | 404           | 101           | 291           | 118      | 48      | 70          | 334      | 238     | 96          | 115                   | 284           |
| 448                        | 970           | 278           | 444           | 362           | 261           | 343      | 129     | 214         | 234      | 132     | 102         | 358                   | 209           |
| 90                         | 70            | 70            | 52            | 98            | 26            | 99       | 42      | 57          | 12       | 8       | 4           | 67                    | 4             |
| 1, 206                     | 5, 403        | 669           | 3, 958        | 770           | 1, 838        | 938      | 402     | 536         | 1, 917   | 1, 029  | 888         | 898                   | 1, 062        |
| 1, 902                     | 4, 724        | 1, 096        | 5, 168        | 1, 505        | 2, 288        | 1, 464   | 525     | 939         | 1, 757   | 872     | 885         | 1, 430                | 1, 732        |
| 836                        | 1, 438        | 189           | 1, 102        | 510           | 370           | 604      | 271     | 333         | 411      | 275     | 136         | 683                   | 392           |
| 821                        | 3, 606        | 343           | 3, 204        | 413           | 1, 280        | 459      | 240     | 219         | 917      | 724     | 193         | 464                   | 759           |
| 1, 043                     | 2, 097        | 690           | 1, 733        | 558           | 1, 182        | 611      | 280     | 331         | 1, 070   | 642     | 428         | 646                   | 988           |
| 284                        | 164           | 203           | 178           | 217           | 124           | 197      | 75      | 122         | 76       | 52      | 24          | 178                   | 75            |
| 60                         | 84            | 45            | 95            | 50            | 69            | 63       | 19      | 49          | 68       | 60      | 8           | 47                    | 81            |
| 104                        | 389           | 98            | 381           | 93            | 202           | 85       | 29      | 56          | 163      | 97      | 66          | 103                   | 160           |
| 128                        | 836           | 73            | 742           | 117           | 368           | 139      | 49      | 90          | 218      | 90      | 128         | 144                   | 222           |
| 242                        | 449           | 131           | 436           | 218           | 178           | 280      | 109     | 171         | 201      | 108     | 93          | 308                   | 197           |

Source: Immigration and Naturalization Service, Department of Labor.

# No. 101.—IMMIGRANT ALIENS ADMITTED: PERCENTAGES, BY RACE OR PEOPLE, YEARS ENDED JUNE 30

| Race or people                         | 1910-1914 | 1925-1929 | 1930-1934 | 1934  | 1935  | Race or people                      | 1910-1914 | 1925-1929 | 1930-1934 | 1934 | 1935 |
|----------------------------------------|-----------|-----------|-----------|-------|-------|-------------------------------------|-----------|-----------|-----------|------|------|
| Total.....                             | 100.0     | 100.0     | 100.0     | 100.0 | 100.0 | Irish.....                          | 3.5       | 13.1      | 11.7      | 5.3  | 4.1  |
| African (black)....                    | .6        | .3        | .7        | .6    | .7    | Italian.....                        | 22.2      | 4.8       | 12.3      | 16.0 | 19.6 |
| Armenian.....                          | .6        | .3        | .5        | .7    | .5    | Japanese.....                       | .6        | .2        | .5        | .2   | .2   |
| Bohemian and Moravian (Czech).....     | .9        | .6        | .3        | .4    | .4    | Korean.....                         | (1)       | (1)       | (1)       | (1)  | —    |
| Bulgarian, Serbian, Montenegrin.....   | 1.2       | .2        | .4        | .3    | .5    | Lithuanian.....                     | 1.9       | .1        | .3        | .4   | .3   |
| Chinese.....                           | .2        | .4        | .5        | .1    | .1    | Magyar.....                         | 2.8       | .4        | .9        | 1.2  | 1.4  |
| Croatian and Slovenian.....            | 3.1       | .3        | .6        | .4    | .6    | Mexican.....                        | 1.6       | 15.7      | 4.5       | 4.9  | 3.5  |
| Cuban.....                             | .3        | .6        | .9        | .8    | .8    | Polish.....                         | 11.2      | 1.2       | 2.0       | 1.7  | 2.1  |
| Dalmatian, Bosnian, Herzegovinian..... | .4        | (1)       | .1        | .1    | .1    | Portuguese.....                     | .9        | .3        | .5        | .8   | 1.0  |
| Dutch and Flemish.....                 | 1.3       | 1.0       | 1.9       | 1.4   | 1.6   | Rumanian.....                       | 1.3       | .1        | .2        | .3   | .3   |
| East Indian.....                       | .1        | (1)       | (1)       | (1)   | —     | Russian.....                        | 3.0       | .4        | .9        | 1.2  | 1.0  |
| English.....                           | 5.2       | 13.0      | 13.7      | 11.9  | 9.8   | Ruthenian.....                      | 2.6       | .2        | .2        | .3   | .3   |
| Finnish.....                           | 1.1       | .2        | .3        | .7    | .5    | Scandinavian <sup>1</sup> .....     | 3.9       | 6.4       | 3.5       | 2.6  | 2.7  |
| French.....                            | 1.9       | 6.6       | 5.6       | 6.1   | 4.8   | Scotch.....                         | 2.1       | 8.2       | 9.4       | 5.1  | 4.2  |
| German.....                            | 7.0       | 18.4      | 13.7      | 12.3  | 15.1  | Slovak.....                         | 2.6       | .4        | 1.3       | 1.7  | 1.7  |
| Greek.....                             | 3.7       | .7        | 2.1       | 2.4   | 2.9   | Spanish.....                        | .8        | .3        | .8        | 1.4  | 1.3  |
| Hebrew.....                            | 9.6       | 3.7       | 5.2       | 14.0  | 13.8  | Spanish-American.....               | .1        | 1.0       | 1.7       | 1.9  | 1.8  |
|                                        |           |           |           |       |       | Syrian.....                         | .7        | .2        | .4        | .7   | .6   |
|                                        |           |           |           |       |       | Turkish.....                        | .2        | (1)       | .1        | .2   | .2   |
|                                        |           |           |           |       |       | Welsh.....                          | .2        | .5        | .7        | .3   | .2   |
|                                        |           |           |           |       |       | West Indian (other than Cuban)..... | .1        | .1        | .3        | .4   | .4   |
|                                        |           |           |           |       |       | Filipino <sup>2</sup> .....         | —         | —         | —         | —    | .1   |
|                                        |           |           |           |       |       | Other peoples.....                  | .3        | .1        | .3        | .7   | .8   |

<sup>1</sup> Less than one-tenth of 1 percent.<sup>2</sup> Norwegians, Danes, and Swedes.<sup>3</sup> See note 1, table 100.

# No. 102.—QUOTA AND NONQUOTA IMMIGRANTS ADMITTED: BY COUNTRY OR REGION OF BIRTH, YEAR ENDED JUNE 30, 1935

NOTE.—See headnote table 103

| Country                     | Quota immigrants | Nonquota immigrants                   |                     |                      | Country                        | Quota immigrants | Nonquota immigrants                   |                     |                      |
|-----------------------------|------------------|---------------------------------------|---------------------|----------------------|--------------------------------|------------------|---------------------------------------|---------------------|----------------------|
|                             |                  | From non-quota countries <sup>1</sup> | Returning residents | Other exempt classes |                                |                  | From non-quota countries <sup>1</sup> | Returning residents | Other exempt classes |
| All countries.....          | 17,207           | 7,747                                 | 51,081              | 11,202               | Europe—Contd.                  |                  |                                       |                     |                      |
| Europe, total.....          | 16,325           | 75                                    | 40,831              | 9,279                | United Kingdom—Con.            |                  |                                       |                     |                      |
| Albania.....                | 74               | —                                     | 78                  | 143                  | Scotland.....                  | 434              | 6                                     | 3,853               | 104                  |
| Austria.....                | 641              | 1                                     | 314                 | 101                  | Wales.....                     | 50               | —                                     | 326                 | 17                   |
| Belgium.....                | 173              | —                                     | 284                 | 43                   | Yugoslavia.....                | 215              | —                                     | 229                 | 183                  |
| Bulgaria.....               | 52               | —                                     | 24                  | 28                   | Other Europe.....              | 237              | —                                     | 209                 | 55                   |
| Czechoslovakia.....         | 610              | —                                     | 490                 | 402                  | America, total.....            | 251              | 7,665                                 | 5,736               | 1,028                |
| Denmark.....                | 146              | 1                                     | 610                 | 35                   | Canada and Newfoundland.....   | —                | 5,315                                 | 1,591               | 617                  |
| Finland.....                | 105              | 1                                     | 468                 | 47                   | Mexico.....                    | —                | 1,225                                 | 1,013               | 136                  |
| France.....                 | 413              | 2                                     | 2,095               | 126                  | West Indies.....               | 223              | 396                                   | 2,388               | 177                  |
| Germany.....                | 4,891            | 1                                     | 10,154              | 561                  | Central and South America..... | 27               | 729                                   | 737                 | 98                   |
| Greece.....                 | 324              | —                                     | 536                 | 490                  | Other America.....             | 1                | —                                     | 7                   | —                    |
| Hungary.....                | 399              | —                                     | 270                 | 117                  | Asia, total.....               | 393              | 1                                     | 3,962               | 757                  |
| Irish Free State.....       | 301              | 1                                     | 3,611               | 162                  | China.....                     | 42               | —                                     | 912                 | 325                  |
| Italy.....                  | 2,127            | 16                                    | 4,232               | 4,525                | India.....                     | 25               | —                                     | 76                  | 55                   |
| Lithuania.....              | 190              | 1                                     | 138                 | 71                   | Japan.....                     | 8                | —                                     | 2,709               | 111                  |
| Netherlands.....            | 244              | 1                                     | 620                 | 46                   | Palestine.....                 | 41               | —                                     | 42                  | 17                   |
| Norway.....                 | 208              | 1                                     | 1,284               | 135                  | Syria.....                     | 62               | 1                                     | 63                  | 86                   |
| Poland.....                 | 1,682            | 2                                     | 982                 | 798                  | Turkey in Asia.....            | 171              | —                                     | 98                  | 145                  |
| Portugal <sup>2</sup> ..... | 303              | —                                     | 485                 | 58                   | Other Asia.....                | 44               | —                                     | 62                  | 18                   |
| Rumania.....                | 295              | —                                     | 181                 | 139                  | Africa.....                    | 81               | 5                                     | 81                  | 48                   |
| Russia.....                 | 357              | 4                                     | 461                 | 145                  | Australia and New Zealand..... | 108              | 1                                     | 200                 | 63                   |
| Spain.....                  | 252              | 5                                     | 978                 | 163                  | Other countries.....           | 49               | —                                     | 271                 | 27                   |
| Sweden.....                 | 160              | —                                     | 1,773               | 71                   |                                |                  |                                       |                     |                      |
| Switzerland.....            | 192              | 1                                     | 576                 | 52                   |                                |                  |                                       |                     |                      |
| Turkey in Europe.....       | 55               | —                                     | 29                  | 41                   |                                |                  |                                       |                     |                      |
| United Kingdom.....         | —                | —                                     | —                   | —                    |                                |                  |                                       |                     |                      |
| England.....                | 1,043            | 30                                    | 4,797               | 377                  |                                |                  |                                       |                     |                      |
| N. Ireland.....             | 152              | 1                                     | 844                 | 44                   |                                |                  |                                       |                     |                      |

<sup>1</sup> Admitted as natives of nonquota countries and as their wives and unmarried children born in quota countries.<sup>2</sup> Including Azores, Cape Verde, and Madeira Islands.

Source of tables 101 and 102: Immigration and Naturalization Service, Department of Labor.

# No. 103.—IMMIGRATION QUOTAS ALLOTTED, AND QUOTA ALIENS ADMITTED: BY COUNTRY OR REGION OF BIRTH, YEARS ENDED JUNE 30

NOTE.—The Immigration Act of 1921 limited the number of aliens admitted annually of any nationality subject to the quota law, to 3 per cent of the number of foreign-born persons of such nationality resident in continental United States as determined by the census of 1910; the population plan of the act of 1924, to 2 per cent according to the census of 1920. The national origins clause of the latter act, which became effective July 1, 1929, provided that the quota of any nationality should be computed by applying to 150,000 the ratio between the calculated number of inhabitants in continental United States in 1920 owing their origin to the nationality concerned and the total inhabitants in the United States of all nationalities subject to the quota law. (For estimates of white population by countries of origin, calculated as a basis for immigration quotas, see table 97, Statistical Abstract, 1932.) Under the act of 1924 the minimum quota is 100. Both immigrant and nonimmigrant aliens may appear in quota law statistics, or aliens of both classes may not be counted against quotas at all.

| Country or region                                | Under Immigration Act of 1921, annual quota <sup>1</sup> | Under Immigration Act of 1924 |                            |                            |                  |        |       |        |        |
|--------------------------------------------------|----------------------------------------------------------|-------------------------------|----------------------------|----------------------------|------------------|--------|-------|--------|--------|
|                                                  |                                                          | Annual quota, 1925-1929       | Admitted, 1925-1929, total | Annual quota, 1930 to 1935 | Admitted         |        |       |        |        |
|                                                  |                                                          |                               |                            |                            | 1930-1934, total | 1932   | 1933  | 1934   | 1935   |
| All countries.....                               | 367,803                                                  | 164,667                       | 761,622                    | 2153,774                   | 229,301          | 12,983 | 8,220 | 12,483 | 17,207 |
| Europe.....                                      | 356,061                                                  | 161,422                       | 749,911                    | 2150,501                   | 219,544          | 12,022 | 7,684 | 11,719 | 16,325 |
| Albania.....                                     | 288                                                      | 100                           | 472                        | 100                        | 425              | 102    | 75    | 57     | 74     |
| Austria.....                                     | 7,342                                                    | 785                           | 4,213                      | 1,413                      | 2,478            | 187    | 121   | 229    | 641    |
| Belgium.....                                     | 1,563                                                    | 512                           | 2,652                      | 1,304                      | 1,922            | 117    | 69    | 104    | 173    |
| Bulgaria.....                                    | 302                                                      | 100                           | 509                        | 100                        | 186              | 11     | 11    | 17     | 52     |
| Czechoslovakia.....                              | 14,357                                                   | 3,073                         | 14,688                     | 2,874                      | 5,210            | 304    | 171   | 389    | 610    |
| Danzig, Free City of.....                        | 301                                                      | 228                           | 1,065                      | 100                        | 188              | 6      | 10    | 8      | 13     |
| Denmark.....                                     | 5,619                                                    | 2,789                         | 13,114                     | 1,181                      | 2,093            | 209    | 123   | 101    | 146    |
| Estonia.....                                     | 1,348                                                    | 124                           | 612                        | 116                        | 251              | 16     | 17    | 36     | 28     |
| Finland.....                                     | 3,921                                                    | 471                           | 2,363                      | 568                        | 1,114            | 69     | 72    | 114    | 105    |
| France.....                                      | 5,729                                                    | 3,954                         | 17,730                     | 3,086                      | 4,891            | 288    | 257   | 308    | 413    |
| Germany.....                                     | 67,607                                                   | 51,227                        | 242,363                    | 25,957                     | 44,144           | 2,086  | 1,324 | 3,515  | 4,891  |
| Greece.....                                      | 3,063                                                    | 100                           | 737                        | 307                        | 1,119            | 141    | 108   | 200    | 324    |
| Hungary.....                                     | 5,747                                                    | 473                           | 2,445                      | 899                        | 2,213            | 329    | 137   | 209    | 399    |
| Irish Free State <sup>2</sup> .....              |                                                          | 28,567                        | 132,715                    | 17,863                     | 27,528           | 452    | 282   | 322    | 301    |
| Italy.....                                       | 42,087                                                   | 3,845                         | 18,383                     | 5,802                      | 14,388           | 2,012  | 1,109 | 1,362  | 2,127  |
| Latvia.....                                      | 1,540                                                    | 142                           | 754                        | 236                        | 460              | 43     | 29    | 48     | 49     |
| Lithuania.....                                   | 2,629                                                    | 344                           | 1,823                      | 388                        | 1,104            | 181    | 96    | 124    | 190    |
| Luxembourg.....                                  | 92                                                       | 100                           | 495                        | 100                        | 150              | 7      | 4     | 2      | 12     |
| Netherlands.....                                 | 3,607                                                    | 1,648                         | 7,703                      | 3,163                      | 4,379            | 185    | 128   | 186    | 244    |
| Norway.....                                      | 12,202                                                   | 6,453                         | 30,335                     | 2,377                      | 4,258            | 260    | 141   | 155    | 208    |
| Poland.....                                      | 30,977                                                   | 5,982                         | 29,000                     | 6,524                      | 12,313           | 917    | 961   | 1,138  | 1,682  |
| Portugal.....                                    | 2,465                                                    | 803                           | 2,449                      | 440                        | 1,302            | 201    | 69    | 166    | 303    |
| Rumania.....                                     | 7,419                                                    | 603                           | 3,783                      | 2,377                      | 1,920            | 318    | 236   | 199    | 295    |
| Russia.....                                      | 24,405                                                   | 2,248                         | 10,018                     | 2,712                      | 5,012            | 828    | 309   | 407    | 357    |
| Spain.....                                       | 912                                                      | 131                           | 806                        | 252                        | 1,178            | 191    | 164   | 228    | 252    |
| Sweden.....                                      | 20,042                                                   | 9,561                         | 44,849                     | 3,314                      | 4,999            | 290    | 105   | 153    | 180    |
| Switzerland.....                                 | 3,752                                                    | 2,081                         | 9,683                      | 1,707                      | 2,789            | 132    | 122   | 133    | 192    |
| Turkey.....                                      | 2,664                                                    | 100                           | 431                        | 229                        | 191              | 33     | 34    | 39     | 55     |
| United Kingdom <sup>3</sup> .....                | 77,342                                                   | 34,007                        | 148,660                    | 65,721                     | 68,045           | 2,099  | 1,171 | 1,666  | 1,679  |
| Yugoslavia.....                                  | 6,426                                                    | 671                           | 3,081                      | 845                        | 1,772            | 252    | 105   | 110    | 215    |
| Other Europe.....                                | 363                                                      | 4,600                         | 1,991                      | 4,600                      | 1,572            | 57     | 34    | 144    | 135    |
| Asia.....                                        | 1,261                                                    | 41,424                        | 4,927                      | 41,423                     | 4,849            | 530    | 392   | 433    | 493    |
| Africa.....                                      | 122                                                      | 41,200                        | 1,667                      | 41,200                     | 754              | 99     | 35    | 59     | 81     |
| Australia, New Zealand, and Pacific islands..... | 359                                                      | 4,621                         | 1,470                      | 4,650                      | 917              | 182    | 92    | 113    | 157    |
| Western Hemisphere.....                          |                                                          | (4)                           | 3,647                      | (4)                        | 3,237            | 150    | 67    | 159    | 251    |

<sup>1</sup> Quota for 1924; revisions from 1922 or 1923 allotments for certain countries were made due to changes in boundaries or other adjustments. Quota immigrants admitted, 1922 to 1924, are as follows: 1922, 243,953; 1923, 335,480; 1924, 357,643. For admissions by countries see the 1934 and previous issues of the Statistical Abstract.

<sup>2</sup> Quota for 1934 and 1935. The total quota for 1930 and 1931 was 153,714; for 1932 and 1933, 153,831; Russia's quota was 2,784 for 1930 and 1931, and 2,701 for 1932 and 1933; Rumania's, 295 prior to 1934. There were also changes in 1932 and 1933 for certain countries included in "Other Europe", Asia, and Pacific Islands.

<sup>3</sup> All Ireland included with United Kingdom prior to 1925; thereafter, Northern Ireland only.

<sup>4</sup> Annual quotas for colonies, dependencies, or protectorates in "Other Europe", Asia, Africa, Pacific islands, and America are included in the annual quotas of the European countries to which they belong.

<sup>5</sup> Includes quota immigrants born in colonies, dependencies, or protectorates of European countries.

Source: Immigration and Naturalization Service, Department of Labor.

## No. 104.—ALIENS DEPORTED: YEARS ENDED JUNE 30

NOTE.—In addition to the 8,319 aliens formally deported in 1935, 7,978 aliens subject to deportation were permitted to leave the country, either without the institution of deportation proceedings or before their conclusion, and 114 indigent aliens were returned to their native land at their own request

|                              | 1933   | 1934  | 1935  |                                 | 1933  | 1934  | 1935  |
|------------------------------|--------|-------|-------|---------------------------------|-------|-------|-------|
| Total.....                   | 19,866 | 8,879 | 8,319 | Race or people:                 |       |       |       |
| Destined to Europe.....      | 5,004  | 2,418 | 2,007 | African (black).....            | 285   | 102   | 151   |
| Austria.....                 | 84     | 13    | 10    | Chinese.....                    | 2,573 | 405   | 107   |
| Belgium.....                 | 76     | 26    | 20    | Dutch and Flemish.....          | 205   | 98    | 68    |
| Czechoslovakia.....          | 217    | 111   | 99    | English.....                    | 1,078 | 602   | 576   |
| Denmark.....                 | 91     | 28    | 45    | French.....                     | 554   | 481   | 502   |
| Finland.....                 | 139    | 34    | 31    | German.....                     | 806   | 354   | 305   |
| France.....                  | 47     | 30    | 18    | Irish.....                      | 699   | 391   | 337   |
| Germany.....                 | 545    | 200   | 191   | Italian.....                    | 1,145 | 583   | 554   |
| Great Britain.....           | 811    | 376   | 281   | Japanese.....                   | 280   | 90    | 51    |
| Greece.....                  | 400    | 156   | 110   | Mexican.....                    | 7,772 | 3,800 | 4,052 |
| Hungary.....                 | 68     | 35    | 12    | Polish.....                     | 326   | 119   | 74    |
| Ireland.....                 | 247    | 117   | 93    | Scandinavian.....               | 474   | 186   | 167   |
| Italy.....                   | 1,043  | 629   | 513   | Scotch.....                     | 549   | 272   | 220   |
| Netherlands.....             | 111    | 48    | 30    | Spanish.....                    | 502   | 135   | 120   |
| Norway.....                  | 220    | 73    | 44    | All others.....                 | 2,617 | 1,111 | 976   |
| Poland.....                  | 300    | 113   | 71    | Causes for deportation:         |       |       |       |
| Portugal.....                | 279    | 75    | 97    | Criminals, including an-        |       |       |       |
| Rumania.....                 | 185    | 66    | 48    | archists.....                   | 1,844 | 1,589 | 1,849 |
| Spain.....                   | 434    | 96    | 82    | Violation of narcotic laws..... | 187   | 122   | 111   |
| Sweden.....                  | 115    | 58    | 49    | Immoral classes.....            | 785   | 333   | 413   |
| Yugoslavia.....              | 316    | 128   | 77    | Mental or physical defects..... | 1,056 | 662   | 510   |
| Other Europe.....            | 227    | 106   | 86    | Likely to become public         |       |       |       |
| Destined to:                 |        |       |       | charges.....                    | 166   | 98    | 33    |
| Canada and Newfoundland..... | 2,239  | 1,592 | 1,567 | Had previously been de-         |       |       |       |
| Mexico.....                  | 7,750  | 3,883 | 4,078 | ported.....                     | 1,010 | 359   | 933   |
| West Indies.....             | 283    | 109   | 160   | Without proper immigra-         |       |       |       |
| Other America.....           | 237    | 151   | 136   | tion visa.....                  | 9,099 | 3,611 | 2,824 |
| China.....                   | 2,642  | 412   | 169   | Remained longer than per-       |       |       |       |
| Japan.....                   | 284    | 95    | 55    | mitted.....                     | 3,148 | 956   | 786   |
| Other countries.....         | 476    | 159   | 147   | Unable to read (over 10         |       |       |       |
|                              |        |       |       | years of age).....              | 1,393 | 539   | 416   |
|                              |        |       |       | Miscellaneous.....              | 1,197 | 530   | 644   |

## No. 105.—ALIENS REGISTERED UNDER THE ACT OF MARCH 2, 1929

NOTE.—An act of Congress approved March 2, 1929, legalizes permanent residence in the United States of aliens who entered without proper inspection prior to June 3, 1921, when the first quota law went into effect, if upon examination it is found that (1) the applicant is an alien not ineligible to citizenship; (2) there is no record of admission for permanent residence; (3) he has resided in the United States continuously since entry; (4) he is a person of good moral character; and (5) he is not subject to deportation. An act approved June 8, 1934, authorizes the registration of aliens without nationality who are bona fide political or religious refugees where entry into the United States occurred prior to July 1, 1933, and where no record of admission for permanent residence exists

|                      | Year ended June 30-- |       |       |       |                    | Year ended June 30-- |       |       |       |
|----------------------|----------------------|-------|-------|-------|--------------------|----------------------|-------|-------|-------|
|                      | 1930-1934, total     | 1933  | 1934  | 1935  |                    | 1930-1934, total     | 1933  | 1934  | 1935  |
| Total.....           | 49,601               | 4,229 | 4,888 | 7,820 | Entered:           |                      |       |       |       |
| Born in:             |                      |       |       |       | By boat.....       | 33,018               | 4,213 | 3,010 | 4,524 |
| Germany.....         | 2,527                | 270   | 218   | 152   | By railway.....    | 11,727               | 1,301 | 1,201 | 1,841 |
| Great Britain.....   | 2,555                | 265   | 230   | 267   | By automobile..... | 535                  | 55    | 50    | 177   |
| Greece.....          | 1,979                | 213   | 143   | 202   | By wagon, etc..... | 743                  | 110   | 103   | 212   |
| Ireland.....         | 1,367                | 147   | 90    | 72    | Afoot.....         | 3,578                | 400   | 524   | 1,066 |
| Italy.....           | 3,097                | 338   | 360   | 375   | Prior to 1900..... | 5,048                | 132   | 35    | 44    |
| Poland.....          | 6,090                | 765   | 556   | 851   | 1901 to 1910.....  | 13,364               | 1,773 | 1,172 | 2,022 |
| Scandinavia.....     | 2,561                | 243   | 212   | 217   | 1911 to 1920.....  | 28,338               | 3,972 | 3,395 | 4,732 |
| Other Europe.....    | 11,730               | 1,426 | 978   | 2,037 | 1921 to 1933.....  | 2,851                | 1,352 | 1,266 | 1,022 |
| Canada.....          | 8,493                | 1,032 | 823   | 1,208 | Race or people:    |                      |       |       |       |
| Mexico.....          | 6,038                | 857   | 945   | 1,969 | English.....       | 4,507                | 551   | 397   | 487   |
| Other countries..... | 2,564                | 441   | 327   | 470   | German.....        | 3,722                | 418   | 361   | 373   |
| Entered U. S. at:    |                      |       |       |       | Greek.....         | 2,310                | 257   | 182   | 234   |
| New York, N. Y.....  | 20,063               | 2,712 | 1,792 | 2,613 | Hebrew.....        | 4,335                | 512   | 309   | 607   |
| Other Atlantic       |                      |       |       |       | Irish.....         | 2,826                | 313   | 225   | 238   |
| ports.....           | 5,724                | 671   | 490   | 659   | Italian.....       | 3,499                | 520   | 360   | 369   |
| Pacific and Gulf     |                      |       |       |       | Mexican.....       | 6,933                | 838   | 932   | 1,945 |
| ports.....           | 2,443                | 315   | 238   | 390   | Scandinavian.....  | 2,758                | 267   | 233   | 263   |
| Canadian land        |                      |       |       |       | All other.....     | 19,514               | 2,544 | 1,889 | 3,304 |
| border.....          | 15,139               | 1,659 | 1,401 | 2,120 | Sex:               |                      |       |       |       |
| Mexican land border  |                      |       |       |       | Male.....          | 40,931               | 5,065 | 4,059 | 6,011 |
| .....                | 6,232                | 872   | 966   | 2,038 | Female.....        | 8,670                | 1,164 | 829   | 1,809 |

<sup>1</sup> Jan. 1 to June 2, 1921.

<sup>2</sup> Includes 701 refugees who entered after June 2, 1921.

Source of tables 104 and 105: Immigration and Naturalization Service, Department of Labor,

## No. 106.—ARRIVALS AND DEPARTURES OF ALIENS AND CITIZENS

| Class                                         | 1925-1929,<br>average | 1930-1934,<br>average | 1932     | 1933     | 1934    | 1935    |
|-----------------------------------------------|-----------------------|-----------------------|----------|----------|---------|---------|
| <b>Aliens and citizens:</b>                   |                       |                       |          |          |         |         |
| Arrivals.....                                 | 888,385               | 610,215               | 514,133  | 455,729  | 437,161 | 462,236 |
| Departures.....                               | 632,323               | 632,371               | 668,494  | 582,347  | 439,263 | 461,450 |
| Excess of arrivals (+) or departures (-)..... | +256,062              | -22,156               | -154,361 | -126,618 | -2,102  | +786    |
| <b>Aliens, total:</b>                         |                       |                       |          |          |         |         |
| Arrivals.....                                 | 494,500               | 243,279               | 174,871  | 150,728  | 163,904 | 179,721 |
| Departures.....                               | 246,721               | 254,394               | 287,657  | 243,802  | 177,172 | 189,050 |
| Excess of arrivals (+) or departures (-)..... | +247,779              | -11,115               | -112,786 | -93,074  | -13,268 | -9,329  |
| <b>Aliens, immigrant or emigrant:</b>         |                       |                       |          |          |         |         |
| Arrivals.....                                 | 304,182               | 85,391                | 35,576   | 23,068   | 29,470  | 34,956  |
| Departures.....                               | 77,949                | 67,138                | 103,295  | 80,081   | 39,771  | 38,834  |
| Excess of arrivals (+) or departures (-)..... | +226,233              | +18,253               | -67,719  | -57,013  | -10,301 | -3,878  |
| <b>Aliens, nonimmigrant or nonemigrant:</b>   |                       |                       |          |          |         |         |
| Arrivals.....                                 | 190,318               | 157,888               | 139,295  | 127,660  | 134,434 | 144,765 |
| Departures.....                               | 168,772               | 137,256               | 184,362  | 163,721  | 137,401 | 150,216 |
| Excess of arrivals (+) or departures (-)..... | +21,546               | -29,368               | -45,067  | -36,061  | -2,967  | -5,451  |
| <b>Citizens:</b>                              |                       |                       |          |          |         |         |
| Arrivals.....                                 | 393,885               | 366,935               | 339,262  | 305,001  | 273,257 | 282,515 |
| Departures.....                               | 385,602               | 377,976               | 380,837  | 338,545  | 262,091 | 272,400 |
| Excess of arrivals (+) or departures (-)..... | +8,283                | -11,041               | -41,575  | -33,544  | +11,166 | +10,115 |
| <b>Citizens permanently departed:</b>         |                       |                       |          |          |         |         |
| Naturalized.....                              | 3,675                 | 1,213                 | 1,319    | 1,051    | 683     | 894     |
| Native-born.....                              | 20,579                | 20,245                | 32,668   | 20,238   | 10,608  | 11,282  |

## No. 107.—ARRIVALS OF PASSENGERS AT THE PRINCIPAL PORTS FROM FOREIGN COUNTRIES: YEARS ENDED JUNE 30

NOTE.—Figures for immigrants and nonimmigrant aliens cover admissions only. In addition, there are debarked aliens among the arrivals who, after being examined, are found inadmissible and returned to the countries whence they came

| Port and class                   | 1910-1914,<br>average | 1915-<br>1919,<br>average | 1920-<br>1924,<br>average | 1925-<br>1929,<br>average | 1930-<br>1934,<br>average | 1933    | 1934    | 1935    |
|----------------------------------|-----------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------|---------|---------|
| <b>United States, total.....</b> | 1,498,428             | 454,192                   | 968,830                   | 888,385                   | 610,215                   | 455,729 | 437,161 | 462,236 |
| United States citizens.....      | 273,262               | 131,643                   | 246,040                   | 393,885                   | 396,935                   | 305,001 | 273,257 | 282,515 |
| Immigrants.....                  | 1,034,940             | 234,538                   | 554,920                   | 304,182                   | 85,391                    | 23,068  | 20,470  | 34,956  |
| Nonimmigrant aliens.....         | 180,220               | 88,013                    | 162,070                   | 190,318                   | 157,889                   | 127,660 | 134,434 | 144,765 |
| <b>New York.....</b>             | 1,048,710             | 193,366                   | 571,942                   | 551,927                   | 426,507                   | 328,990 | 318,989 | 328,886 |
| United States citizens.....      | 173,578               | 55,102                    | 161,265                   | 272,872                   | 294,346                   | 226,771 | 203,370 | 205,627 |
| Immigrants.....                  | 759,791               | 100,970                   | 321,403                   | 153,683                   | 52,678                    | 12,944  | 17,574  | 23,173  |
| Nonimmigrant aliens.....         | 115,341               | 37,194                    | 89,274                    | 125,372                   | 108,493                   | 89,275  | 93,045  | 95,186  |
| <b>Boston.....</b>               | 73,898                | 13,034                    | 30,329                    | 19,445                    | 19,117                    | 12,129  | 10,858  | 11,106  |
| United States citizens.....      | 11,498                | 2,723                     | 4,486                     | 8,223                     | 12,278                    | 7,829   | 6,086   | 6,446   |
| Immigrants.....                  | 52,474                | 8,801                     | 24,168                    | 7,162                     | 2,832                     | 422     | 4,083   | 522     |
| Nonimmigrant aliens.....         | 9,925                 | 1,510                     | 1,675                     | 4,060                     | 4,007                     | 3,887   | 4,229   | 4,138   |
| <b>Philadelphia.....</b>         | 54,823                | 2,385                     | 10,827                    | 815                       | 1,191                     | 502     | 521     | 421     |
| United States citizens.....      | 3,506                 | 462                       | 1,355                     | 413                       | 950                       | 325     | 355     | 303     |
| Immigrants.....                  | 48,547                | 1,667                     | 8,597                     | 150                       | 40                        | 12      | 21      | 11      |
| Nonimmigrant aliens.....         | 2,770                 | 256                       | 675                       | 252                       | 201                       | 165     | 145     | 107     |
| <b>Baltimore.....</b>            | 31,283                | 914                       | 511                       | 199                       | 1,146                     | 1,642   | 2,064   | 1,731   |
| United States citizens.....      | 1,126                 | 76                        | 132                       | 110                       | 952                       | 1,453   | 1,714   | 1,419   |
| Immigrants.....                  | 29,366                | 780                       | 317                       | 60                        | 60                        | 37      | 85      | 49      |
| Nonimmigrant aliens.....         | 702                   | 58                        | 62                        | 38                        | 134                       | 152     | 255     | 203     |
| <b>New Orleans.....</b>          | 11,874                | 11,109                    | 11,062                    | 13,060                    | 9,565                     | 7,406   | 7,230   | 7,882   |
| United States citizens.....      | 7,837                 | 6,803                     | 6,474                     | 9,246                     | 7,426                     | 5,993   | 5,889   | 6,286   |
| Immigrants.....                  | 1,791                 | 1,931                     | 1,407                     | 847                       | 427                       | 262     | 150     | 200     |
| Nonimmigrant aliens.....         | 2,046                 | 2,460                     | 3,171                     | 2,967                     | 1,702                     | 1,151   | 1,185   | 1,396   |
| <b>San Francisco.....</b>        | 14,053                | 19,587                    | 24,738                    | 16,245                    | 13,554                    | 10,073  | 11,938  | 14,309  |
| United States citizens.....      | 5,389                 | 5,460                     | 6,976                     | 6,791                     | 7,224                     | 5,923   | 7,185   | 8,299   |
| Immigrants.....                  | 4,776                 | 8,442                     | 7,059                     | 2,297                     | 1,498                     | 395     | 433     | 539     |
| Nonimmigrant aliens.....         | 3,887                 | 5,065                     | 10,103                    | 7,167                     | 4,832                     | 3,745   | 4,220   | 5,471   |
| <b>Seattle.....</b>              | 4,627                 | 6,911                     | 8,738                     | 5,583                     | 4,179                     | 3,121   | 3,278   | 3,738   |
| United States citizens.....      | 794                   | 614                       | 1,739                     | 2,332                     | 2,161                     | 1,703   | 1,955   | 2,332   |
| Immigrants.....                  | 2,208                 | 3,938                     | 4,046                     | 969                       | 333                       | 29      | 34      | 39      |
| Nonimmigrant aliens.....         | 1,625                 | 2,359                     | 2,948                     | 2,292                     | 1,685                     | 1,389   | 1,287   | 1,367   |

Source of tables 106 and 107: Immigration and Naturalization Service, Department of Labor.



# No. 108.—CERTIFICATES OF NATURALIZATION ISSUED: By STATES AND OUTLYING AREAS AND BY SEX, YEARS ENDED JUNE 30

|                           | 1932    | 1933    | 1934    | 1935    |                           | 1932    | 1933    | 1934    | 1935    |
|---------------------------|---------|---------|---------|---------|---------------------------|---------|---------|---------|---------|
| Total.....                | 136,600 | 113,363 | 113,669 | 118,945 | East South Central—       |         |         |         |         |
| New England.....          | 21,186  | 15,971  | 13,593  | 17,265  | Continued.....            |         |         |         |         |
| Maine.....                | 450     | 407     | 371     | 911     | Alabama.....              | 104     | 51      | 46      | 67      |
| New Hampshire.....        | 478     | 358     | 372     | 747     | Mississippi.....          | 44      | 23      | 23      | 27      |
| Vermont.....              | 277     | 319     | 202     | 267     | West South Central.....   | 812     | 815     | 835     | 1,021   |
| Massachusetts.....        | 14,727  | 10,306  | 8,636   | 9,722   | Arkansas.....             | 37      | 28      | 24      | 21      |
| Rhode Island.....         | 1,590   | 1,037   | 948     | 1,387   | Louisiana.....            | 171     | 198     | 181     | 204     |
| Connecticut.....          | 3,662   | 3,444   | 3,064   | 4,221   | Oklahoma.....             | 118     | 88      | 81      | 81      |
| Middle Atlantic.....      | 61,155  | 58,915  | 59,653  | 63,833  | Texas.....                | 486     | 501     | 549     | 715     |
| New York.....             | 41,834  | 44,650  | 45,722  | 38,985  | Mountain.....             | 1,608   | 1,177   | 1,242   | 1,730   |
| New Jersey.....           | 10,298  | 7,872   | 7,129   | 7,366   | Montana.....              | 371     | 289     | 271     | 437     |
| Pennsylvania.....         | 9,023   | 6,993   | 6,802   | 7,482   | Idaho.....                | 114     | 91      | 100     | 188     |
| East North Central.....   | 31,978  | 21,697  | 22,571  | 28,084  | Wyoming.....              | 177     | 117     | 110     | 144     |
| Ohio.....                 | 4,585   | 3,469   | 3,488   | 4,501   | Colorado.....             | 425     | 225     | 315     | 363     |
| Indiana.....              | 1,030   | 752     | 863     | 1,072   | New Mexico.....           | 69      | 47      | 42      | 67      |
| Illinois.....             | 12,252  | 7,880   | 6,949   | 7,506   | Arizona.....              | 174     | 147     | 151     | 201     |
| Michigan.....             | 11,857  | 7,482   | 9,110   | 10,973  | Utah.....                 | 173     | 147     | 175     | 232     |
| Wisconsin.....            | 2,204   | 2,014   | 2,161   | 2,932   | Nevada.....               | 103     | 114     | 78      | 118     |
| West North Central.....   | 5,227   | 3,709   | 3,703   | 4,558   | Pacific.....              | 11,831  | 9,307   | 9,649   | 11,309  |
| Minnesota.....            | 1,996   | 1,417   | 1,475   | 1,816   | Washington.....           | 1,899   | 1,697   | 1,672   | 2,120   |
| Iowa.....                 | 759     | 523     | 441     | 635     | Oregon.....               | 563     | 446     | 514     | 893     |
| Missouri.....             | 1,108   | 892     | 779     | 982     | California.....           | 9,369   | 7,264   | 7,463   | 8,296   |
| North Dakota.....         | 309     | 208     | 294     | 365     | Outlying areas.....       | 489     | 358     | 501     | 489     |
| South Dakota.....         | 279     | 124     | 166     | 214     | Alaska.....               | 161     | 95      | 155     | 163     |
| Nebraska.....             | 560     | 343     | 356     | 403     | Hawaii.....               | 220     | 201     | 246     | 240     |
| Kansas.....               | 216     | 202     | 192     | 243     | Puerto Rico.....          | 98      | 59      | 98      | 79      |
| South Atlantic.....       | 1,962   | 1,418   | 1,666   | 1,555   | Virgin Islands.....       | 10      | 3       | 2       | 7       |
| Delaware.....             | 120     | 85      | 111     | 104     | Entire United States..... | 136,600 | 113,363 | 113,669 | 118,945 |
| Maryland.....             | 556     | 385     | 475     | 398     | Civilian.....             | 136,538 | 112,308 | 110,867 | 118,945 |
| District of Columbia..... | 369     | 269     | 362     | 283     | Military.....             | 2       | 995     | 2,802   |         |
| Virginia.....             | 114     | 86      | 101     | 112     | Male.....                 | 95,901  | 78,293  | 82,465  | 82,182  |
| West Virginia.....        | 347     | 182     | 218     | 225     | Female.....               | 40,699  | 35,070  | 31,204  | 36,763  |
| North Carolina.....       | 29      | 20      | 40      | 28      | Conf'l United States:     |         |         |         |         |
| South Carolina.....       | 39      | 24      | 31      | 18      | Male.....                 | 95,609  | 78,124  | 82,182  | 81,005  |
| Georgia.....              | 87      | 67      | 60      | 68      | Female.....               | 40,502  | 34,881  | 30,986  | 36,551  |
| Florida.....              | 301     | 298     | 298     | 339     | Outlying areas:           |         |         |         |         |
| East South Central.....   | 355     | 198     | 256     | 311     | Male.....                 | 292     | 169     | 283     | 277     |
| Kentucky.....             | 120     | 65      | 104     | 77      | Female.....               | 197     | 189     | 218     | 212     |
| Tennessee.....            | 87      | 59      | 83      | 40      |                           |         |         |         |         |

# No. 109.—CERTIFICATES OF NATURALIZATION ISSUED: By COUNTRIES OF FORMER ALLEGIANCE, YEARS ENDED JUNE 30

| Nationality         | 1932    | 1933    | 1934    | 1935    | Nationality                  | 1932  | 1933  | 1934  | 1935  |
|---------------------|---------|---------|---------|---------|------------------------------|-------|-------|-------|-------|
| All countries.....  | 136,600 | 113,363 | 113,669 | 118,945 | Portugal.....                | 792   | 645   | 727   | 924   |
| Albania.....        | 217     | 158     | 133     | 163     | Rumania.....                 | 2,093 | 1,719 | 1,617 | 1,641 |
| Austria.....        | 1,970   | 1,765   | 1,589   | 1,584   | Russia.....                  | 7,021 | 6,747 | 6,072 | 6,254 |
| Belgium.....        | 664     | 422     | 413     | 558     | Spain.....                   | 551   | 611   | 649   | 724   |
| British Empire..... | 37,046  | 31,529  | 30,008  | 34,084  | Sweden.....                  | 4,087 | 3,019 | 3,028 | 3,553 |
| Bulgaria.....       | 200     | 121     | 125     | 202     | Switzerland.....             | 1,217 | 893   | 956   | 1,002 |
| Czechoslovakia..... | 4,032   | 3,150   | 3,105   | 3,333   | Yugoslavia.....              | 2,974 | 2,065 | 2,132 | 2,541 |
| Denmark.....        | 1,445   | 1,147   | 1,220   | 1,267   | Palestine.....               | 95    | 89    | 68    | 53    |
| Estonia.....        | 143     | 96      | 83      | 88      | Syria.....                   | 491   | 397   | 397   | 399   |
| Finland.....        | 1,265   | 918     | 927     | 1,111   | Turkey.....                  | 1,257 | 1,000 | 917   | 898   |
| France.....         | 905     | 830     | 860     | 869     | Philippine Islands.....      | 16    | 19    | 25    | 50    |
| Germany.....        | 17,854  | 16,405  | 18,008  | 18,305  | Mexico.....                  | 248   | 278   | 346   | 514   |
| Greece.....         | 2,335   | 1,704   | 1,727   | 1,741   | Central America.....         | 68    | 56    | 65    | 74    |
| Hungary.....        | 2,224   | 1,592   | 1,633   | 1,946   | South America.....           | 333   | 347   | 380   | 267   |
| Italy.....          | 20,886  | 16,331  | 17,083  | 17,569  | Other countries.....         | 331   | 440   | 481   | 547   |
| Latvia.....         | 405     | 334     | 275     | 220     | Countries not specified..... | 489   |       |       |       |
| Lithuania.....      | 1,600   | 1,612   | 1,460   | 1,411   | Repatriated Americans.....   | 2,354 | 1,922 | 1,830 |       |
| Netherlands.....    | 1,134   | 749     | 798     | 1,034   |                              |       |       |       |       |
| Norway.....         | 2,788   | 2,165   | 2,161   | 2,204   |                              |       |       |       |       |
| Poland.....         | 14,280  | 12,691  | 12,302  | 11,846  |                              |       |       |       |       |

Source of tables 108 and 109: Immigration and Naturalization Service, Department of Labor.

## 5. EDUCATION

### No. 110.—SUMMARY OF PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: CONTINENTAL UNITED STATES

|                                                                             | 1870                    | 1880                    | 1890                      | 1900                      | 1910                    |
|-----------------------------------------------------------------------------|-------------------------|-------------------------|---------------------------|---------------------------|-------------------------|
| Total population.....                                                       | <sup>1</sup> 38,658,371 | <sup>1</sup> 50,155,783 | <sup>1,2</sup> 62,622,250 | <sup>1,2</sup> 75,602,515 | <sup>1</sup> 91,972,266 |
| Population 5-17 years, inclusive.....                                       | <sup>1</sup> 12,055,443 | <sup>1</sup> 15,065,767 | <sup>1,2</sup> 18,543,201 | <sup>1,2</sup> 21,404,322 | <sup>1</sup> 24,239,948 |
| Per cent of total population.....                                           | 31.3                    | 30.1                    | 29.6                      | 28.3                      | 26.4                    |
| Pupils enrolled in public schools.....                                      | 6,871,522               | 9,867,895               | 12,722,635                | 15,503,110                | 17,813,852              |
| Per cent of total population.....                                           | 17.82                   | 19.67                   | 20.32                     | 20.51                     | 19.37                   |
| Per cent of population 5-17, incl.....                                      | 57.00                   | 65.50                   | 68.61                     | 72.43                     | 73.49                   |
| Average daily attendance.....                                               | 4,077,347               | 6,144,143               | 8,163,635                 | 10,632,772                | 12,827,307              |
| Per cent of pupils enrolled.....                                            | 59.3                    | 62.3                    | 64.1                      | 68.6                      | 72.1                    |
| Average number of days schools in session.....                              | 132.2                   | 130.3                   | 134.7                     | 144.3                     | 157.5                   |
| Average number of days attended per enrolled pupil.....                     | 78.4                    | 81.1                    | 86.3                      | 96.0                      | 113.0                   |
| Number of teachers.....                                                     | 200,515                 | 283,593                 | 368,922                   | 423,062                   | 523,210                 |
| Male.....                                                                   | 77,529                  | 122,795                 | 126,525                   | 120,588                   | 110,481                 |
| Female.....                                                                 | 122,986                 | 160,798                 | 238,397                   | 292,474                   | 412,729                 |
| Per cent male teachers.....                                                 | 38.7                    | 42.8                    | 34.5                      | 28.0                      | 21.1                    |
| Salaries: Teachers, supervisors, and principals (thousands of dollars)..... | 37,833                  | 55,943                  | 91,836                    | 137,688                   | 253,915                 |
| Average annual salary per teacher.....                                      | \$189                   | \$195                   | \$252                     | \$325                     | \$485                   |
| Total expenditure for education (thousands of dollars) <sup>3</sup> .....   | 63,397                  | 78,095                  | 140,507                   | 214,965                   | 426,250                 |
| Per capita of total population.....                                         | \$1.64                  | \$1.56                  | \$2.24                    | \$2.84                    | \$4.64                  |
| Per capita of population 5-17, inclusive.....                               | \$5.26                  | \$5.18                  | \$7.58                    | \$10.04                   | \$17.58                 |
| Per pupil enrolled.....                                                     | \$9.23                  | \$7.91                  | \$11.04                   | \$13.87                   | \$23.93                 |
| Per pupil in average attendance.....                                        | \$15.55                 | \$12.71                 | \$17.23                   | \$20.21                   | \$33.23                 |

  

|                                                                             | 1920                     | 1928                     | 1930                     | 1932                     | 1934                     |
|-----------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Total population.....                                                       | <sup>1</sup> 105,710,620 | <sup>4</sup> 119,881,607 | <sup>1</sup> 122,775,046 | <sup>4</sup> 124,974,000 | <sup>4</sup> 126,626,000 |
| Population 5-17 years, inclusive.....                                       | <sup>1</sup> 27,728,788  | <sup>4</sup> 30,915,278  | <sup>1</sup> 31,671,322  | <sup>4</sup> 32,031,549  | <sup>4</sup> 32,392,749  |
| Per cent of total population.....                                           | 26.2                     | <sup>5</sup> 25.8        | 25.7                     | 25.7                     | 25.6                     |
| Pupils enrolled in public schools.....                                      | 21,678,316               | 25,179,696               | 25,678,015               | 26,275,441               | 26,434,193               |
| Per cent of total population.....                                           | 20.4                     | <sup>5</sup> 21.0        | 20.9                     | <sup>5</sup> 21.0        | <sup>5</sup> 20.9        |
| Per cent of population 5-17, incl.....                                      | 77.8                     | 81.4                     | 81.3                     | 82.0                     | 81.6                     |
| Average daily attendance.....                                               | 16,150,035               | 20,608,303               | 21,264,886               | 22,245,344               | 22,458,190               |
| Per cent of pupils enrolled.....                                            | 74.8                     | 81.8                     | 82.8                     | 84.7                     | 85.0                     |
| Average number of days schools in session.....                              | 161.9                    | 171.5                    | 172.7                    | 171.2                    | 171.6                    |
| Average number of days attended per enrolled pupil.....                     | 121.2                    | 140.4                    | 143.0                    | 144.9                    | 145.8                    |
| Number of teachers.....                                                     | 679,633                  | 831,634                  | 854,263                  | 871,607                  | 847,120                  |
| Male.....                                                                   | 95,666                   | 158,193                  | 141,771                  | 153,861                  | 161,649                  |
| Female.....                                                                 | 583,967                  | 673,441                  | 712,492                  | 717,746                  | 685,471                  |
| Per cent male teachers.....                                                 | 14.1                     | 16.6                     | 16.6                     | 17.7                     | 19.1                     |
| Salaries: Teachers, supervisors, and principals (thousands of dollars)..... | 590,120                  | 1,164,583                | 1,250,427                | 1,265,444                | 1,067,042                |
| Average annual salary per teacher.....                                      | <sup>6</sup> \$871       | <sup>6</sup> \$1,364     | <sup>6</sup> \$1,420     | <sup>6</sup> \$1,417     | <sup>6</sup> \$1,227     |
| Total expenditure for education (thousands of dollars) <sup>3</sup> .....   | 1,036,151                | 2,184,337                | 2,316,790                | 2,174,651                | 1,720,105                |
| Per capita of total population.....                                         | \$9.80                   | <sup>5</sup> \$18.23     | \$18.87                  | <sup>5</sup> \$17.40     | <sup>5</sup> \$13.58     |
| Per capita of population 5-17, inclusive.....                               | \$37.37                  | \$70.67                  | \$73.38                  | \$67.89                  | <sup>5</sup> \$53.10     |
| Per pupil enrolled.....                                                     | \$48.02                  | \$86.75                  | <sup>7</sup> \$89.84     | <sup>7</sup> \$82.25     | <sup>7</sup> \$64.76     |
| Per pupil in average attendance.....                                        | \$64.16                  | \$106.99                 | <sup>7</sup> \$108.49    | <sup>7</sup> \$97.15     | <sup>7</sup> \$76.22     |

<sup>1</sup> Census enumeration as of June 1, 1870 to 1900, Apr. 15, 1910, Jan. 1, 1920, and Apr. 1, 1930.

<sup>2</sup> Excluding the population of Indian Territory which is not included in public-school statistics, and also for 1890, population of Indian reservations. These were not enumerated at censuses prior to 1890.

<sup>3</sup> Figures include capital outlays as well as operation and equipment expenditures.

<sup>4</sup> Census estimates for July 1. Figures for total population for 1932 and 1934 are revised estimates. Revised figures for population 5-17 are not available.

<sup>5</sup> Computed by Foreign and Domestic Commerce based on revised estimates of population. The figure for expenditure per capita of total population for 1932 in this table differs slightly from the figure shown in table 117, which is based on unrevised estimates.

<sup>6</sup> Computed from number of teaching positions plus supervisors and principals whose salaries are included.

<sup>7</sup> Not including night, summer, part-time, and continuation schools when separately reported.

Source: Office of Education, Department of the Interior.

# No. 111.—ELEMENTARY, SECONDARY, NORMAL SCHOOL, AND COLLEGE ENROLLMENTS AND EXPENDITURES: CONTINENTAL UNITED STATES

| Schools                                                                            | 1900                 | 1910                 | 1920             | 1930       | 1934                  |
|------------------------------------------------------------------------------------|----------------------|----------------------|------------------|------------|-----------------------|
| <b>ENROLLMENT</b>                                                                  |                      |                      |                  |            |                       |
| Elementary and kindergarten, total.....                                            | 18,224,784           | 18,448,828           | 20,894,171       | 23,688,479 | 23,200,486            |
| Kindergartens (public and private).....                                            | 885,394              | 1,846,189            | 610,049          | 777,899    | 639,881               |
| Public elementary schools and kindergartens.....                                   | 14,938,869           | 16,808,791           | 19,378,627       | 21,278,598 | 20,820,780            |
| Private elementary schools and kindergartens (largely estimated).....              | 1,240,925            | 1,551,037            | 1,515,244        | 2,309,886  | 2,370,697             |
| Secondary students, total.....                                                     | 695,903              | 1,111,393            | 2,494,876        | 4,799,867  | 6,087,749             |
| Public high schools.....                                                           | 519,251              | 915,061              | 2,190,389        | 4,399,422  | 5,865,155             |
| Private high schools.....                                                          | 110,797              | 117,400              | 213,920          | 341,158    | 380,092               |
| Preparatory schools (in colleges and universities).....                            | 56,285               | 66,042               | 59,309           | 47,809     | 98,309                |
| Secondary students in normal schools.....                                          | 9,570                | 12,800               | 22,058           | 11,978     | 25,192                |
| College and normal students, total.....                                            | 237,592              | 365,215              | 597,682          | 1,100,737  | 1,055,380             |
| Normal schools and teachers' colleges (excluding secondary students).....          | 69,593               | 88,561               | 138,237          | 176,462    | 136,184               |
| Colleges, universities, and professional schools (excl. preparatory students)..... | 167,999              | 266,654              | 462,445          | 924,275    | 919,196               |
| <b>EXPENDITURES (thousands of dollars) <sup>7</sup></b>                            |                      |                      |                  |            |                       |
| Public elementary and secondary schools.....                                       | 214,965              | 428,250              | 1,038,151        | 2,316,790  | 1,720,105             |
| Private elementary and secondary schools.....                                      | ( <sup>8</sup> )     | 53,542               | ( <sup>8</sup> ) | 233,277    | 176,700               |
| Normal schools and teachers' colleges.....                                         | <sup>10</sup> 5,232  | 14,023               | 27,130           | 68,702     | <sup>11</sup> 35,933  |
| Colleges, universities, and professional schools.....                              | <sup>12</sup> 40,554 | <sup>10</sup> 77,873 | 189,235          | 563,547    | <sup>11</sup> 384,109 |

<sup>1</sup> 1912.<sup>2</sup> Includes 64,752 elementary pupils in college "training schools."<sup>3</sup> From State reports.<sup>4</sup> Figure for 1928.<sup>5</sup> Estimated.<sup>6</sup> Includes preparatory department and "training school."

<sup>7</sup> Including outlays. Expenditures for education in all schools reporting finances, including schools for the delinquent, deaf, blind, feeble-minded, and Indians, not shown in this table, amounted to \$3,233,601,000 in 1930 and \$2,294,896,000 in 1934. The latter figure excludes auxiliary operations (see note 11).

<sup>8</sup> No data.<sup>9</sup> Expenditures for all departments, including preparatory.<sup>10</sup> Receipts excluding endowment.

<sup>11</sup> Excludes expenditures for auxiliary enterprises, included in prior years, amounting to \$6,249,000 for normal schools and teachers' colleges and \$72,482,000 for colleges, universities, etc.

<sup>12</sup> Receipts including endowment.

Source: Office of Education, Department of the Interior.

## No. 112.—PUBLIC HIGH SCHOOLS AND PRIVATE HIGH SCHOOLS AND ACADEMIES: CONTINENTAL UNITED STATES

NOTE.—Data are from reports received from the schools. In 1934, 23,614 public high schools out of a total of approximately 25,000 furnished complete reports. The total enrollment in all high schools as reported by the State departments of education is shown for 1920, 1930, and 1934 in table 111.

|                                                                                | 1800                 | 1900             | 1910             | 1920                | 1930                 | 1934                 |
|--------------------------------------------------------------------------------|----------------------|------------------|------------------|---------------------|----------------------|----------------------|
| <b>ALL HIGH SCHOOLS AND ACADEMIES</b>                                          |                      |                  |                  |                     |                      |                      |
| Schools reporting.....                                                         | 4,158                | 7,983            | 11,994           | 16,419              | 24,997               | 26,214               |
| Total secondary pupils <sup>1</sup> .....                                      | 287,894              | 630,048          | 1,082,461        | 2,041,808           | 4,464,721            | 5,614,855            |
| Per cent of total population.....                                              | 0.47                 | 0.83             | 1.12             | 1.93                | 3.63                 | 4.43                 |
| Number of persons 14 to 17 years of age in total population <sup>2</sup> ..... | 5,354,653            | 6,162,405        | 7,220,298        | 7,735,841           | 9,341,221            | 9,983,374            |
| Ratio of number of pupils to total number of age specified, per cent.....      | 5.56                 | 10.24            | 14.80            | 26.39               | 47.69                | 56.24                |
| <b>PUBLIC HIGH SCHOOLS</b>                                                     |                      |                  |                  |                     |                      |                      |
| Schools reporting.....                                                         | 2,526                | 6,005            | 10,213           | 14,326              | 22,237               | 23,814               |
| Teachers, total.....                                                           | <sup>3</sup> 8,130   | 30,373           | 41,667           | <sup>4</sup> 97,654 | <sup>5</sup> 213,291 | <sup>6</sup> 227,787 |
| Men.....                                                                       | 3,507                | 10,172           | 13,890           | 34,396              | 74,530               | 87,703               |
| Women.....                                                                     | 5,280                | 10,200           | 22,777           | 68,258              | 138,761              | 140,024              |
| Secondary pupils, total <sup>1</sup> .....                                     | <sup>8</sup> 202,963 | 519,251          | 915,061          | 1,867,165           | 4,145,669            | 5,340,563            |
| Boys.....                                                                      | 85,451               | 218,207          | 398,625          | 822,967             | 1,991,202            | 2,644,230            |
| Girls.....                                                                     | 116,361              | 303,044          | 516,636          | 1,034,188           | 2,154,467            | 2,696,333            |
| Negro students (included above).....                                           | 2,633                | 8,393            | 12,396           | 27,631              | 118,397              | 189,087              |
| First year.....                                                                | ( <sup>9</sup> )     | ( <sup>9</sup> ) | 392,505          | 742,320             | 1,480,459            | 1,702,817            |
| Second year.....                                                               | ( <sup>9</sup> )     | ( <sup>9</sup> ) | 247,636          | 498,796             | 1,132,061            | 1,435,636            |
| Third year.....                                                                | ( <sup>9</sup> )     | ( <sup>9</sup> ) | 163,176          | 346,684             | 852,012              | 1,150,868            |
| Fourth year.....                                                               | ( <sup>9</sup> )     | ( <sup>9</sup> ) | 111,444          | 261,369             | 684,985              | 958,011              |
| Postgraduate.....                                                              | ( <sup>9</sup> )     | ( <sup>9</sup> ) | ( <sup>9</sup> ) | 7,988               | 16,152               | <sup>10</sup> 95,231 |
| Per cent of total population in public high schools.....                       | 0.32                 | 0.68             | 1.00             | 1.76                | 3.38                 | -----                |
| Number graduated during year, total.....                                       | 21,882               | 61,737           | 111,363          | 230,902             | 591,719              | 806,610              |
| Boys.....                                                                      | 7,692                | 22,575           | 43,687           | 90,516              | 267,291              | 382,871              |
| Girls.....                                                                     | 14,190               | 39,162           | 67,706           | 140,386             | 324,428              | 423,639              |

Footnotes on p. 109.

**No. 112.—PUBLIC HIGH SCHOOLS AND PRIVATE HIGH SCHOOLS AND  
ACADEMIES: CONTINENTAL UNITED STATES—Continued**

|                                           | 1890   | 1900    | 1910    | 1920    | 1930    | 1933 <sup>7</sup> |
|-------------------------------------------|--------|---------|---------|---------|---------|-------------------|
| <b>PRIVATE HIGH SCHOOLS AND ACADEMIES</b> |        |         |         |         |         |                   |
| Schools reporting.....                    | 1,632  | 1,978   | 1,781   | 2,093   | 2,760   | 2,600             |
| Teachers, total.....                      | 7,209  | 10,117  | 11,146  | 14,946  | 22,014  | 19,175            |
| Men.....                                  | 3,272  | 4,275   | 4,512   | 5,693   | 8,580   | 7,204             |
| Women.....                                | 3,937  | 5,842   | 6,634   | 9,248   | 13,434  | 11,881            |
| Secondary pupils, total.....              | 94,931 | 110,797 | 117,400 | 184,153 | 309,062 | 270,128           |
| Boys.....                                 | 47,534 | 55,734  | 55,474  | 84,222  | 146,517 | 126,210           |
| Girls.....                                | 47,397 | 55,063  | 61,926  | 99,931  | 162,535 | 143,918           |
| Colored (included above).....             |        | 2,590   | 5,888   | 9,586   | 9,868   | 5,760             |
| Total in schools for boys only.....       |        |         | 26,838  | 47,025  | 88,137  | 73,723            |
| Total in schools for girls only.....      |        |         | 28,317  | 55,658  | 91,605  | 83,050            |
| Total in coeducational schools.....       |        |         | 92,245  | 80,570  | 129,310 | 113,355           |

<sup>1</sup> Excludes seventh and eighth grades in junior high schools.

<sup>2</sup> Census enumerations except figure for 1934 which is revised census estimate as of July 1.

<sup>3</sup> Includes those not classified by sex.

<sup>4</sup> Includes teachers in junior high schools as follows: 1920, 1,361 men, 5,093 women; 1930, 9,277 men, 30,755 women; 1934, 10,404 men, 29,620 women.

<sup>5</sup> No data.

<sup>6</sup> Includes 34,633 special students.

<sup>7</sup> Data not available for 1934.

**No. 113.—TEACHERS' COLLEGES AND NORMAL SCHOOLS: CONTINENTAL  
UNITED STATES**

|                                                     | 1900                 | 1910                 | 1920             | 1928    | 1930    | 1932                 | 1934                |
|-----------------------------------------------------|----------------------|----------------------|------------------|---------|---------|----------------------|---------------------|
| <b>TEACHING STAFF</b>                               |                      |                      |                  |         |         |                      |                     |
| All courses, excluding duplicates.....              | 4,372                | 5,914                | 9,467            | 14,482  | 14,403  | <sup>1</sup> 12,575  | ( <sup>2</sup> )    |
| Male.....                                           | 1,860                | 2,195                | 3,512            | 5,831   | 5,995   | 5,174                | ( <sup>2</sup> )    |
| Female.....                                         | 2,512                | 3,719                | 5,955            | 8,651   | 8,408   | 7,401                | ( <sup>2</sup> )    |
| Regular session:                                    |                      |                      |                  |         |         |                      |                     |
| All courses.....                                    |                      |                      |                  | 11,927  | 11,977  | <sup>3</sup> 10,648  | <sup>4</sup> 9,673  |
| Male.....                                           |                      |                      |                  | 4,547   | 4,720   | ( <sup>2</sup> )     | 4,013               |
| Female.....                                         |                      |                      |                  | 7,380   | 7,257   | ( <sup>2</sup> )     | 5,860               |
| Teacher-training courses.....                       | 3,088                | 3,760                | ( <sup>2</sup> ) | 9,895   | 10,720  | ( <sup>2</sup> )     | ( <sup>2</sup> )    |
| Summer session:                                     |                      |                      |                  |         |         |                      |                     |
| Teacher-training courses.....                       | ( <sup>2</sup> )     | ( <sup>2</sup> )     | 4,868            | 7,763   | 7,990   | <sup>5</sup> 7,492   | <sup>6</sup> 5,866  |
| <b>RESIDENT STUDENTS</b>                            |                      |                      |                  |         |         |                      |                     |
| All courses, excluding duplicates.....              | <sup>1</sup> 116,684 | <sup>1</sup> 132,438 | 162,368          | 297,430 | 279,195 | 271,628              | ( <sup>2</sup> )    |
| Male.....                                           | 47,906               | 37,823               | 29,107           | 61,573  | 60,935  | 74,157               | ( <sup>2</sup> )    |
| Female.....                                         | 68,778               | 94,615               | 133,261          | 235,857 | 218,260 | 197,471              | ( <sup>2</sup> )    |
| Regular session:                                    |                      |                      |                  |         |         |                      |                     |
| All courses.....                                    |                      |                      |                  | 185,162 | 176,462 | 164,364              | 136,184             |
| Male.....                                           |                      |                      |                  | 42,235  | 43,458  | 50,338               | 45,206              |
| Female.....                                         |                      |                      |                  | 142,924 | 133,004 | 114,026              | 90,978              |
| Teacher-training courses.....                       | 69,593               | 88,561               | 135,237          | 162,080 | 161,524 | 154,046              | 131,044             |
| Male.....                                           | 24,169               | 19,746               | 19,080           | 32,719  | 36,646  | 45,558               | 42,581              |
| Female.....                                         | 45,424               | 68,815               | 116,157          | 129,361 | 124,878 | 109,388              | 88,463              |
| Summer session:                                     |                      |                      |                  |         |         |                      |                     |
| Teacher-training courses.....                       | ( <sup>2</sup> )     | ( <sup>2</sup> )     | 73,348           | 144,285 | 138,856 | <sup>5</sup> 136,179 | <sup>6</sup> 86,721 |
| Male.....                                           | ( <sup>2</sup> )     | ( <sup>2</sup> )     | 9,387            | 26,534  | 25,990  | 31,638               | 23,775              |
| Female.....                                         | ( <sup>2</sup> )     | ( <sup>2</sup> )     | 63,961           | 117,751 | 112,866 | 104,541              | 62,946              |
| <b>GRADUATES</b>                                    |                      |                      |                  |         |         |                      |                     |
| Nondegree teacher-training courses.....             | 11,393               | 15,430               | 21,012           | 49,627  | 49,227  | 29,963               | 18,749              |
| Male.....                                           | 3,005                | 2,151                | 2,151            | 6,521   | 7,038   | 3,837                | 2,526               |
| Female.....                                         | 8,388                | 13,279               | 18,861           | 43,106  | 42,189  | 26,126               | 16,223              |
| Baccalaureate degree teacher-training courses.....  | ( <sup>2</sup> )     | ( <sup>2</sup> )     | 1,296            | 8,179   | 11,073  | 15,311               | 16,303              |
| Male.....                                           | ( <sup>2</sup> )     | ( <sup>2</sup> )     | 436              | 2,781   | 3,609   | 5,180                | 5,555               |
| Female.....                                         | ( <sup>2</sup> )     | ( <sup>2</sup> )     | 860              | 5,398   | 7,464   | 10,131               | 10,748              |
| Enrollment in observation and practice schools..... | 35,397               | 66,180               | 91,641           | 71,685  | 90,601  | 61,144               | 77,427              |
| Volumes in libraries..... thousands.....            | 808                  | 1,522                | 2,380            | 3,536   | 4,065   | 4,237                | 4,572               |
| Receipts, all sources..... 1,000 dollars.....       | 5,232                | 14,688               | 31,275           | 70,017  | 69,984  | 59,069               | 43,682              |
| Total expenditures..... do.....                     | ( <sup>2</sup> )     | ( <sup>2</sup> )     | 27,010           | 64,350  | 68,702  | <sup>6</sup> 49,798  | <sup>6</sup> 35,635 |
| Capital outlays..... do.....                        | ( <sup>2</sup> )     | ( <sup>2</sup> )     | 3,778            | 13,128  | 15,461  | 9,132                | 1,997               |

<sup>1</sup> Total number reduced to full-time basis.

<sup>2</sup> Not available.

<sup>3</sup> The entire force, including administrative officers, extension service, and organized research, was 11,615 for 1932 and 10,560 for 1934.

<sup>4</sup> Includes some pupils in model schools.

<sup>5</sup> Entire summer session enrollment.

<sup>6</sup> Not including expenditures for auxiliary enterprises (\$8,361,000 for 1932 and \$9,249,000 for 1934) included in prior years.

Source of tables 112 and 113: Office of Education, Department of the Interior.

# No. 114.—UNIVERSITIES, COLLEGES (INCLUDING JUNIOR COLLEGES), AND PROFESSIONAL SCHOOLS: CONTINENTAL UNITED STATES

NOTE.—For summer-school enrollment, 1933, see table 126

|                                                                             | 1900                  | 1910              | 1920              | 1925              | 1930             | 1932                   | 1934                   |
|-----------------------------------------------------------------------------|-----------------------|-------------------|-------------------|-------------------|------------------|------------------------|------------------------|
| <b>PROFESSORS AND INSTRUCTORS</b>                                           |                       |                   |                   |                   |                  |                        |                        |
| Total, excluding duplicates.....                                            | 22, 134               | 33, 631           | 42, 888           | 57, 209           | 71, 722          | <sup>1</sup> 79, 314   | <sup>1</sup> 78, 612   |
| Men.....                                                                    | 18, 343               | 28, 477           | 34, 111           | 52, 203           | 55, 861          | 61, 691                | 61, 209                |
| Women.....                                                                  | 3, 791                | 5, 154            | 8, 777            | 14, 946           | 15, 861          | 17, 623                | 17, 313                |
| Collegiate departments.....                                                 | 11, 219               | 17, 281           | 28, 113           | 50, 122           | 54, 195          | <sup>2</sup> 77, 524   | <sup>2</sup> 77, 096   |
| Men.....                                                                    | 9, 014                | 14, 051           | 21, 644           | 36, 783           | 39, 735          | ( <sup>3</sup> )       | ( <sup>3</sup> )       |
| Women.....                                                                  | 2, 205                | 3, 230            | 6, 469            | 18, 339           | 14, 460          | ( <sup>3</sup> )       | ( <sup>3</sup> )       |
| Professional departments.....                                               | 8, 277                | 13, 285           | 10, 015           | 14, 915           | 16, 214          | ( <sup>4</sup> )       | ( <sup>4</sup> )       |
| Men.....                                                                    | —                     | 12, 886           | 10, 003           | 14, 373           | 15, 562          | ( <sup>4</sup> )       | ( <sup>4</sup> )       |
| Women.....                                                                  | —                     | 399               | 312               | 542               | 652              | ( <sup>4</sup> )       | ( <sup>4</sup> )       |
| Other departments.....                                                      | —                     | —                 | 2, 221            | 116               | ( <sup>5</sup> ) | ( <sup>5</sup> )       | ( <sup>5</sup> )       |
| Men.....                                                                    | —                     | —                 | 982               | 27                | ( <sup>5</sup> ) | ( <sup>5</sup> )       | ( <sup>5</sup> )       |
| Women.....                                                                  | —                     | —                 | 1, 239            | 89                | ( <sup>5</sup> ) | ( <sup>5</sup> )       | ( <sup>5</sup> )       |
| Preparatory departments.....                                                | 4, 078                | 4, 548            | 4, 282            | 3, 267            | 2, 815           | 2, 837                 | 2, 191                 |
| Men.....                                                                    | 2, 572                | 2, 807            | 2, 714            | 1, 834            | 1, 564           | ( <sup>6</sup> )       | ( <sup>6</sup> )       |
| Women.....                                                                  | 1, 506                | 1, 741            | 1, 568            | 1, 433            | 1, 251           | ( <sup>6</sup> )       | ( <sup>6</sup> )       |
| <b>STUDENTS (REGULAR SESSION)</b>                                           |                       |                   |                   |                   |                  |                        |                        |
| Total students of collegiate grade, excluding duplicates.....               | 167, 899              | 268, 654          | 432, 445          | 668, 793          | 924, 275         | <sup>6</sup> 989, 757  | <sup>8</sup> 919, 178  |
| Men.....                                                                    | 128, 085              | 185, 379          | 295, 528          | 533, 038          | 576, 477         | 616, 843               | 570, 514               |
| Women.....                                                                  | 39, 814               | 81, 275           | 136, 917          | 335, 755          | 347, 798         | 372, 914               | 348, 662               |
| Collegiate departments.....                                                 | 104, 098              | 174, 213          | 341, 082          | 605, 219          | 753, 827         | <sup>6</sup> 867, 427  | <sup>8</sup> 829, 685  |
| Men.....                                                                    | 68, 047               | 113, 074          | 212, 405          | 402, 242          | 441, 985         | 550, 044               | 521, 695               |
| Women.....                                                                  | 36, 051               | 61, 139           | 128, 677          | 262, 977          | 311, 842         | 317, 383               | 307, 990               |
| Graduate departments.....                                                   | 5, 831                | 9, 370            | 15, 612           | 44, 165           | 47, 255          | <sup>7</sup> 76, 953   | <sup>7</sup> 69, 772   |
| Men.....                                                                    | 4, 112                | 6, 504            | 9, 837            | 26, 540           | 29, 070          | 50, 379                | 44, 696                |
| Women.....                                                                  | 1, 719                | 2, 866            | 5, 775            | 17, 625           | 18, 185          | 26, 574                | 25, 076                |
| Professional departments <sup>8</sup> .....                                 | 58, 070               | 71, 257           | 57, 181           | 99, 424           | 98, 041          | ( <sup>9</sup> )       | ( <sup>9</sup> )       |
| Men.....                                                                    | 55, 926               | 65, 569           | 53, 295           | 93, 639           | 92, 786          | ( <sup>9</sup> )       | ( <sup>9</sup> )       |
| Women.....                                                                  | 2, 144                | 5, 688            | 3, 886            | 5, 785            | 5, 255           | ( <sup>9</sup> )       | ( <sup>9</sup> )       |
| Other departments.....                                                      | —                     | —                 | 55, 659           | 39, 153           | 30, 148          | —                      | —                      |
| Men.....                                                                    | —                     | —                 | 27, 533           | 16, 309           | 15, 923          | —                      | —                      |
| Women.....                                                                  | —                     | —                 | 38, 326           | 22, 754           | 14, 225          | —                      | —                      |
| Preparatory departments.....                                                | 56, 285               | 65, 042           | 50, 309           | 50, 588           | 47, 309          | 33, 750                | 23, 188                |
| Men.....                                                                    | 34, 814               | 42, 616           | 38, 398           | 30, 206           | 27, 766          | 19, 372                | 13, 688                |
| Women.....                                                                  | 21, 471               | 23, 426           | 20, 911           | 20, 382           | 19, 543          | 14, 378                | 9, 500                 |
| <b>DEGREES CONFERRED</b>                                                    |                       |                   |                   |                   |                  |                        |                        |
| Baccalaureate <sup>9</sup> .....                                            | 27, 410               | 37, 199           | 47, 326           | 102, 982          | 111, 411         | 122, 538               | 119, 853               |
| Men.....                                                                    | —                     | —                 | 31, 544           | 64, 878           | 70, 006          | 77, 989                | 76, 786                |
| Women.....                                                                  | —                     | —                 | 15, 782           | 38, 104           | 41, 405          | 44, 549                | 43, 067                |
| Graduate.....                                                               | 1, 952                | 2, 541            | 4, 853            | 13, 834           | 18, 832          | 21, 655                | 20, 442                |
| Men.....                                                                    | 1, 628                | 1, 939            | 3, 457            | 8, 976            | 10, 693          | ( <sup>10</sup> )      | ( <sup>10</sup> )      |
| Women.....                                                                  | 324                   | 602               | 1, 396            | 4, 858            | 6, 139           | ( <sup>10</sup> )      | ( <sup>10</sup> )      |
| Ph. D., on examination.....                                                 | 842                   | 409               | 532               | 1, 447            | 2, 024           | ( <sup>10</sup> )      | ( <sup>10</sup> )      |
| Men.....                                                                    | 322                   | 365               | 459               | 1, 249            | 1, 692           | —                      | —                      |
| Women.....                                                                  | 20                    | 44                | 98                | 198               | 332              | —                      | —                      |
| Volumes in libraries..... thousands.....                                    | 8, 764                | 14, 059           | 24, 191           | 40, 498           | 44, 369          | 48, 682                | 57, 918                |
| Total receipts, exclusive of additions to endowment..... 1,000 dollars..... | <sup>11</sup> 40, 554 | 77, 873           | 189, 235          | 496, 529          | 567, 618         | 563, 632               | 484, 529               |
| Total expenditures..... do.....                                             | ( <sup>12</sup> )     | ( <sup>12</sup> ) | ( <sup>12</sup> ) | ( <sup>12</sup> ) | 565, 547         | <sup>12</sup> 494, 058 | <sup>12</sup> 354, 159 |
| Capital outlays..... do.....                                                | ( <sup>12</sup> )     | ( <sup>12</sup> ) | ( <sup>12</sup> ) | ( <sup>12</sup> ) | 109, 645         | 89, 158                | 27, 506                |

<sup>1</sup> The entire force, excluding duplicates, reduced to full time basis was 89,184 for 1932 and 89,375 for 1934. This includes administrative officers, extension service, and organized research in addition to the regular force.

<sup>2</sup> Collegiate, professional, and graduate. <sup>3</sup> Not available. <sup>4</sup> Included in collegiate. <sup>5</sup> Includes some special and unclassified students not shown separately. <sup>6</sup> Not comparable with data for earlier years. Figure represents undergraduates in arts and sciences and professional courses. For separate data see table 122.

<sup>7</sup> Includes graduate students in all departments; figures for prior years included graduate school only. <sup>8</sup> Includes undergraduate and graduate students in theology, law, medicine, dentistry, pharmacy, osteopathy, and veterinary medicine, while other professions are included in collegiate or other departments. For 1932 and 1934 undergraduate and graduate students in all professions were tabulated separately and are here included in figure shown under collegiate and graduate, respectively. For separate data see table 122.

<sup>9</sup> Including first professional. <sup>10</sup> Data not collected. <sup>11</sup> Including endowment. <sup>12</sup> Not including expenditures for auxiliary enterprises (\$82,536,000 for 1932 and \$72,482,000 for 1934) included in the figure for 1930.

Source: Office of Education, Department of the Interior.

# No. 115.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: NUMBER AND SALARY OF TEACHERS

| Division and State<br>or outlying area | Number of teachers <sup>1</sup> |         |         |         | Per-<br>cent<br>of<br>teachers<br>male,<br>1934 | Salaries of teachers, super-<br>visors, and principals |                                    |       |                  |       |
|----------------------------------------|---------------------------------|---------|---------|---------|-------------------------------------------------|--------------------------------------------------------|------------------------------------|-------|------------------|-------|
|                                        | 1920                            | 1930    | 1932    | 1934    |                                                 | Total,<br>1934<br>(1,000<br>dollars)                   | Average annual<br>salary (dollars) |       |                  |       |
|                                        |                                 |         |         |         |                                                 |                                                        | 1920                               | 1930  | 1932             | 1934  |
| Continental U. S.                      | 879,533                         | 854,283 | 871,607 | 847,120 | 19.1                                            | 1,087,042                                              | 871                                | 1,420 | 1,417            | 1,227 |
| New England.....                       | 43,480                          | 52,642  | 53,917  | 52,614  | 15.6                                            | 81,818                                                 | 1,064                              | 1,636 | 1,665            | 1,503 |
| Maine.....                             | 7,020                           | 6,547   | 6,505   | 6,343   | 14.8                                            | 4,913                                                  | 603                                | 942   | 952              | 803   |
| New Hampshire.....                     | 3,047                           | 3,051   | 3,028   | 2,895   | 15.3                                            | 3,486                                                  | 759                                | 1,254 | 1,258            | 1,182 |
| Vermont.....                           | 2,902                           | 2,978   | 2,865   | 2,774   | 10.9                                            | 2,266                                                  | 667                                | 963   | 931              | 770   |
| Massachusetts.....                     | 19,086                          | 26,229  | 27,463  | 26,889  | 17.9                                            | 47,713                                                 | 1,262                              | 1,875 | 1,845            | 1,780 |
| Rhode Island.....                      | 2,971                           | 4,026   | 4,254   | 4,132   | 13.9                                            | 6,607                                                  | 1,070                              | 1,437 | 1,509            | 1,509 |
| Connecticut.....                       | 8,455                           | 9,811   | 9,804   | 9,681   | 11.3                                            | 16,833                                                 | 1,124                              | 1,812 | 1,970            | 1,607 |
| Middle Atlantic.....                   | 123,254                         | 165,475 | 171,791 | 167,996 | 17.1                                            | 328,580                                                | 1,133                              | 2,103 | 2,128            | 1,997 |
| New York.....                          | 61,703                          | 82,204  | 85,830  | 84,806  | 15.9                                            | 185,343                                                | 1,256                              | 2,493 | 2,494            | 2,361 |
| New Jersey.....                        | 17,440                          | 25,555  | 26,732  | 26,042  | 14.9                                            | 50,754                                                 | 1,282                              | 2,113 | 2,192            | 1,873 |
| Pennsylvania.....                      | 44,111                          | 67,716  | 69,229  | 67,148  | 20.2                                            | 92,483                                                 | 920                                | 1,620 | 1,630            | 1,531 |
| East North Central.....                | 128,955                         | 166,836 | 167,093 | 159,469 | 22.3                                            | 212,603                                                | 1,010                              | 1,568 | 1,538            | 1,295 |
| Ohio.....                              | 33,751                          | 41,432  | 42,704  | 40,744  | 24.9                                            | 50,048                                                 | 1,088                              | 1,665 | 1,573            | 1,420 |
| Indiana.....                           | 17,209                          | 21,847  | 21,502  | 20,216  | 27.0                                            | 24,770                                                 | 964                                | 1,466 | 1,497            | 1,127 |
| Illinois.....                          | 36,599                          | 47,766  | 47,472  | 46,361  | 21.3                                            | 64,363                                                 | 1,081                              | 1,630 | 1,598            | 1,397 |
| Michigan.....                          | 24,302                          | 34,552  | 34,660  | 31,749  | 18.8                                            | 38,370                                                 | 911                                | 1,534 | 1,522            | 1,162 |
| Wisconsin.....                         | 17,094                          | 20,239  | 20,755  | 20,399  | 20.5                                            | 28,052                                                 | 916                                | 1,399 | 1,388            | 1,211 |
| West North Central.....                | 117,051                         | 122,284 | 121,241 | 117,825 | 17.0                                            | 107,825                                                | 797                                | 1,134 | 1,133            | 895   |
| Minnesota.....                         | 19,575                          | 22,169  | 21,048  | 20,674  | 12.9                                            | 21,375                                                 | 882                                | 1,251 | 1,305            | 1,006 |
| Iowa.....                              | 27,660                          | 24,585  | 24,803  | 25,301  | 16.7                                            | 20,333                                                 | 827                                | 1,094 | 1,096            | 834   |
| Missouri.....                          | 21,128                          | 24,200  | 24,588  | 24,199  | 23.4                                            | 28,427                                                 | 797                                | 1,235 | 1,230            | 1,175 |
| North Dakota.....                      | 8,975                           | 8,856   | 8,607   | 8,175   | 21.3                                            | 5,373                                                  | 728                                | 900   | 900              | 621   |
| South Dakota.....                      | 7,853                           | 8,943   | 8,752   | 8,524   | 24.2                                            | 5,544                                                  | 696                                | 956   | 944              | 614   |
| Nebraska.....                          | 14,873                          | 14,400  | 14,325  | 13,829  | 13.1                                            | 10,574                                                 | 765                                | 1,077 | 1,051            | 749   |
| Kansas.....                            | 16,989                          | 19,141  | 19,118  | 17,123  | 17.1                                            | 16,199                                                 | 761                                | 1,169 | 1,123            | 858   |
| South Atlantic.....                    | 84,683                          | 112,005 | 112,335 | 108,867 | 17.3                                            | 90,863                                                 | 580                                | 945   | 929              | 802   |
| Delaware.....                          | 1,134                           | 1,420   | 1,620   | 1,583   | 16.9                                            | 2,417                                                  | 848                                | 1,670 | 1,631            | 1,484 |
| Maryland.....                          | 6,675                           | 8,745   | 8,800   | 8,226   | 16.0                                            | 12,023                                                 | 902                                | 1,518 | 1,523            | 1,409 |
| Dist. of Columbia.....                 | 2,096                           | 2,722   | 2,751   | 2,793   | 12.7                                            | 6,882                                                  | 1,369                              | 2,269 | 2,340            | 2,004 |
| Virginia.....                          | 14,271                          | 16,477  | 16,719  | 16,411  | 13.8                                            | 13,228                                                 | 546                                | 861   | 859              | 779   |
| West Virginia.....                     | 11,221                          | 16,837  | 16,381  | 13,603  | 30.2                                            | 14,126                                                 | 639                                | 1,023 | 1,085            | 913   |
| North Carolina.....                    | 18,862                          | 23,375  | 22,805  | 22,472  | 18.3                                            | 13,516                                                 | 464                                | 873   | 799              | 576   |
| South Carolina.....                    | 9,999                           | 13,398  | 13,063  | 12,953  | 16.2                                            | 7,831                                                  | 464                                | 788   | 668              | 599   |
| Georgia.....                           | 15,921                          | 19,071  | 19,534  | 20,035  | 16.7                                            | 12,904                                                 | 426                                | 684   | 690              | 640   |
| Florida.....                           | 6,819                           | 10,900  | 11,072  | 10,891  | 14.8                                            | 8,938                                                  | 518                                | 876   | 867              | 806   |
| East South Central.....                | 51,145                          | 65,922  | 68,268  | 68,394  | 22.2                                            | 43,301                                                 | 428                                | 804   | 761              | 633   |
| Kentucky.....                          | 13,348                          | 15,323  | 16,420  | 16,605  | 25.9                                            | 12,064                                                 | 413                                | 896   | 835              | 676   |
| Tennessee.....                         | 13,277                          | 18,331  | 19,238  | 19,169  | 24.6                                            | 13,564                                                 | 494                                | 902   | 828              | 725   |
| Alabama.....                           | 12,558                          | 17,130  | 17,079  | 16,953  | 19.5                                            | 10,603                                                 | 484                                | 792   | 710              | 625   |
| Mississippi.....                       | 11,962                          | 15,138  | 15,532  | 13,687  | 18.5                                            | 7,071                                                  | 491                                | 620   | ( <sup>2</sup> ) | 474   |
| West South Central.....                | 63,832                          | 80,637  | 84,008  | 84,591  | 21.2                                            | 68,177                                                 | 643                                | 923   | 893              | 771   |
| Arkansas.....                          | 10,470                          | 12,980  | 11,694  | 11,810  | 28.2                                            | 5,654                                                  | 477                                | 673   | 593              | 465   |
| Louisiana.....                         | 8,960                           | 12,173  | 12,445  | 12,499  | 16.7                                            | 9,354                                                  | 723                                | 941   | 896              | 726   |
| Oklahoma.....                          | 15,839                          | 19,807  | 18,160  | 18,543  | 25.7                                            | 15,364                                                 | 768                                | 1,072 | 1,102            | 815   |
| Texas.....                             | 29,001                          | 35,667  | 41,709  | 41,739  | 18.5                                            | 37,805                                                 | 612                                | 924   | 912              | 849   |
| Mountain.....                          | 30,130                          | 35,336  | 35,012  | 32,219  | 21.3                                            | 36,208                                                 | 956                                | 1,330 | 1,232            | 1,055 |
| Montana.....                           | 7,215                           | 6,422   | 6,105   | 5,648   | 17.5                                            | 5,403                                                  | 958                                | 1,215 | 1,184            | 967   |
| Idaho.....                             | 3,982                           | 4,500   | 4,584   | 4,335   | 28.4                                            | 3,789                                                  | 932                                | 1,200 | 1,166            | 794   |
| Wyoming.....                           | 2,232                           | 2,751   | 2,773   | 2,590   | 17.9                                            | 2,263                                                  | 869                                | 1,239 | 1,250            | 967   |
| Colorado.....                          | 7,386                           | 9,744   | 9,806   | 8,760   | 18.9                                            | 10,773                                                 | 929                                | 1,453 | 1,386            | 1,172 |
| New Mexico.....                        | 2,752                           | 3,400   | 3,278   | 3,172   | 20.9                                            | 3,578                                                  | 803                                | 1,113 | 1,096            | 994   |
| Arizona.....                           | 1,955                           | 3,273   | 3,457   | 2,834   | 21.2                                            | 3,955                                                  | 1,279                              | 1,637 | 1,605            | 1,309 |
| Utah.....                              | 3,904                           | 4,452   | 4,115   | 4,005   | 28.4                                            | 4,901                                                  | 992                                | 1,330 | 1,239            | 1,094 |
| Nevada.....                            | 704                             | 794     | 894     | 875     | 23.5                                            | 1,185                                                  | 1,163                              | 1,483 | 1,483            | 1,317 |
| Pacific.....                           | 36,998                          | 54,116  | 57,941  | 57,145  | 19.3                                            | 97,668                                                 | 1,182                              | 1,949 | 1,968            | 1,637 |
| Washington.....                        | 9,877                           | 11,140  | 11,045  | 10,291  | 20.7                                            | 13,106                                                 | 1,229                              | 1,556 | 1,553            | 1,217 |
| Oregon.....                            | 7,778                           | 6,203   | 7,376   | 7,657   | 20.7                                            | 7,788                                                  | 870                                | 1,612 | 1,439            | 921   |
| California.....                        | 19,343                          | 36,768  | 39,020  | 39,197  | 18.7                                            | 76,774                                                 | 1,272                              | 2,123 | 2,189            | 1,899 |
| Alaska Territory <sup>4</sup> .....    | 164                             | 263     | 264     | 271     | ( <sup>5</sup> )                                | 443                                                    | 1,325                              | 1,602 | 1,803            | 1,636 |
| American Samoa.....                    | —                               | 26      | 24      | 46      | 97.0                                            | 13                                                     | —                                  | 444   | 475              | 285   |
| Canal Zone.....                        | 102                             | 175     | 209     | 197     | 48.7                                            | 326                                                    | 1,324                              | 1,541 | 1,572            | 1,640 |
| Guam.....                              | —                               | 125     | 135     | 166     | ( <sup>6</sup> )                                | ( <sup>7</sup> )                                       | —                                  | 815   | 272              | —     |
| Hawaii Territory.....                  | 1,328                           | 2,241   | 2,555   | 2,446   | 19.1                                            | 4,152                                                  | 1,181                              | 1,812 | 1,769            | 1,653 |
| Philippine Islands.....                | 21,254                          | 26,167  | 28,499  | 26,962  | 50.8                                            | ( <sup>8</sup> )                                       | —                                  | —     | —                | —     |
| Puerto Rico.....                       | 3,832                           | 4,451   | 4,601   | 4,832   | 24.8                                            | 3,693                                                  | 636                                | 848   | 882              | 727   |
| Virgin Islands.....                    | —                               | 112     | 121     | 97      | 34.0                                            | 79                                                     | —                                  | 672   | 644              | 661   |

<sup>1</sup> Includes some superintendents, principals, and supervisors, some States not reporting them separately.

<sup>2</sup> Includes 231 part-time teachers. <sup>3</sup> Estimated. <sup>4</sup> 1919. <sup>5</sup> Not available. <sup>6</sup> White schools.

Source: Office of Education, Department of the Interior.

## No. 116.—ELEMENTARY AND SECONDARY SCHOOLS,

| Division and State or outlying area | Population, 5-17 years, inclusive, 1934 | Public elementary and secondary schools |            |            |            |                                                                       |      |      |
|-------------------------------------|-----------------------------------------|-----------------------------------------|------------|------------|------------|-----------------------------------------------------------------------|------|------|
|                                     |                                         | Pupils enrolled <sup>1</sup>            |            |            |            | Ratio of enrolled to total population 5-17 years, inclusive, per cent |      |      |
|                                     |                                         | 1920                                    | 1930       | 1932       | 1934       | 1920                                                                  | 1930 | 1934 |
| Continental U. S.                   | 32,392,749                              | 21,578,318                              | 25,678,015 | 26,275,441 | 26,434,193 | 77.8                                                                  | 81.3 | 81.6 |
| New England                         | 2,019,900                               | 1,242,221                               | 1,492,320  | 1,535,403  | 1,558,222  | 72.7                                                                  | 75.9 | 77.0 |
| Maine                               | 199,100                                 | 137,681                                 | 154,455    | 161,750    | 160,747    | 70.3                                                                  | 78.9 | 83.8 |
| New Hampshire                       | 111,800                                 | 64,205                                  | 74,240     | 76,431     | 77,753     | 64.3                                                                  | 69.0 | 69.9 |
| Vermont                             | 88,300                                  | 61,785                                  | 65,076     | 66,259     | 66,176     | 73.4                                                                  | 75.3 | 74.9 |
| Massachusetts                       | 1,026,300                               | 623,586                                 | 769,492    | 782,225    | 793,847    | 71.3                                                                  | 76.0 | 77.4 |
| Rhode Island                        | 175,800                                 | 93,501                                  | 118,704    | 123,239    | 124,474    | 65.4                                                                  | 69.9 | 70.9 |
| Connecticut                         | 419,300                                 | 261,463                                 | 319,453    | 325,493    | 327,225    | 80.3                                                                  | 79.3 | 78.0 |
| Middle Atlantic                     | 6,530,600                               | 3,925,080                               | 4,870,924  | 5,069,767  | 5,155,909  | 72.9                                                                  | 77.0 | 79.0 |
| New York                            | 2,885,000                               | 1,719,841                               | 2,141,479  | 2,240,190  | 2,290,868  | 72.8                                                                  | 76.7 | 79.3 |
| New Jersey                          | 1,031,800                               | 594,780                                 | 792,012    | 821,532    | 827,435    | 77.4                                                                  | 80.4 | 80.2 |
| Pennsylvania                        | 2,613,800                               | 1,610,459                               | 1,937,433  | 2,008,039  | 2,031,606  | 71.5                                                                  | 76.0 | 77.7 |
| East North Central                  | 6,291,100                               | 3,871,428                               | 4,875,528  | 4,978,894  | 4,940,423  | 75.0                                                                  | 80.0 | 78.5 |
| Ohio                                | 1,656,900                               | 1,020,063                               | 1,277,636  | 1,299,212  | 1,300,037  | 76.6                                                                  | 79.9 | 78.5 |
| Indiana                             | 798,700                                 | 566,288                                 | 667,379    | 657,623    | 696,613    | 79.4                                                                  | 85.2 | 87.2 |
| Illinois                            | 1,814,300                               | 1,127,560                               | 1,395,907  | 1,415,653  | 1,384,651  | 72.1                                                                  | 78.9 | 76.3 |
| Michigan                            | 1,264,200                               | 691,674                                 | 870,632    | 936,325    | 976,089    | 79.3                                                                  | 81.2 | 77.2 |
| Wisconsin                           | 737,000                                 | 465,243                                 | 664,022    | 679,605    | 683,133    | 68.2                                                                  | 75.8 | 77.0 |
| West North Central                  | 3,888,800                               | 2,724,540                               | 3,858,752  | 2,873,436  | 2,898,005  | 83.7                                                                  | 84.6 | 85.2 |
| Minnesota                           | 665,900                                 | 503,597                                 | 551,741    | 558,148    | 559,922    | 81.8                                                                  | 84.0 | 84.1 |
| Iowa                                | 618,300                                 | 514,521                                 | 554,655    | 555,341    | 547,574    | 86.1                                                                  | 90.2 | 88.6 |
| Missouri                            | 880,300                                 | 672,483                                 | 656,073    | 683,830    | 719,588    | 78.3                                                                  | 76.3 | 83.6 |
| North Dakota                        | 205,100                                 | 105,283                                 | 109,277    | 105,008    | 100,699    | 84.6                                                                  | 83.0 | 78.3 |
| South Dakota                        | 199,400                                 | 146,955                                 | 155,624    | 164,914    | 159,956    | 82.0                                                                  | 84.7 | 80.2 |
| Nebraska                            | 860,600                                 | 511,821                                 | 525,216    | 524,241    | 516,756    | 90.5                                                                  | 90.9 | 87.9 |
| Kansas                              | 479,300                                 | 400,880                                 | 431,166    | 421,364    | 421,510    | 87.9                                                                  | 90.5 | 87.0 |
| South Atlantic                      | 4,777,100                               | 3,282,217                               | 5,755,278  | 5,879,386  | 5,983,871  | 77.6                                                                  | 80.2 | 83.4 |
| Delaware                            | 28,700                                  | 35,483                                  | 42,360     | 44,622     | 45,948     | 73.3                                                                  | 73.5 | 78.3 |
| Maryland                            | 411,400                                 | 241,618                                 | 277,450    | 288,169    | 293,678    | 68.9                                                                  | 68.9 | 71.4 |
| Dist. of Columbia                   | 90,400                                  | 65,208                                  | 80,985     | 90,087     | 94,112     | 84.3                                                                  | 91.9 | (3)  |
| Virginia                            | 722,200                                 | 505,190                                 | 562,956    | 582,082    | 585,657    | 73.3                                                                  | 78.6 | 81.1 |
| West Virginia                       | 538,700                                 | 340,256                                 | 395,505    | 422,367    | 434,864    | 70.8                                                                  | 76.0 | 80.7 |
| North Carolina                      | 1,071,300                               | 601,249                                 | 866,939    | 865,681    | 895,625    | 82.4                                                                  | 84.1 | 83.6 |
| South Carolina                      | 506,800                                 | 478,045                                 | 499,370    | 476,074    | 486,712    | 83.9                                                                  | 79.3 | 81.6 |
| Georgia                             | 835,500                                 | 490,618                                 | 713,290    | 742,766    | 764,865    | 74.0                                                                  | 79.7 | 86.3 |
| Florida                             | 401,100                                 | 225,160                                 | 346,434    | 367,758    | 382,510    | 82.6                                                                  | 91.5 | 95.4 |
| East South Central                  | 2,971,100                               | 2,137,794                               | 2,434,588  | 2,478,266  | 2,522,008  | 77.2                                                                  | 82.9 | 84.9 |
| Kentucky                            | 763,900                                 | 535,332                                 | 588,354    | 613,119    | 609,684    | 76.2                                                                  | 78.1 | 79.8 |
| Tennessee                           | 761,600                                 | 619,852                                 | 627,747    | 641,551    | 655,307    | 87.6                                                                  | 83.5 | 86.0 |
| Alabama                             | 827,700                                 | 569,940                                 | 622,988    | 639,836    | 648,981    | 74.1                                                                  | 76.2 | 78.4 |
| Mississippi                         | 617,900                                 | 412,670                                 | 595,449    | 581,759    | 608,039    | 69.8                                                                  | 97.1 | 98.4 |
| West South Central                  | 3,553,200                               | 2,482,181                               | 2,881,420  | 2,876,711  | 2,853,440  | 77.7                                                                  | 82.6 | 80.2 |
| Arkansas                            | 559,300                                 | 453,172                                 | 450,185    | 446,151    | 456,080    | 85.7                                                                  | 81.5 | 81.7 |
| Louisiana                           | 616,700                                 | 354,079                                 | 434,557    | 447,517    | 461,907    | 63.5                                                                  | 71.7 | 74.0 |
| Oklahoma                            | 708,000                                 | 529,282                                 | 632,650    | 673,297    | 693,427    | 92.6                                                                  | 98.2 | 83.1 |
| Texas                               | 1,674,200                               | 1,035,648                               | 1,808,028  | 1,309,746  | 1,311,602  | 73.4                                                                  | 80.4 | 78.3 |
| Mountain                            | 1,029,549                               | 794,636                                 | 898,248    | 910,314    | 877,953    | 90.0                                                                  | 89.4 | 85.3 |
| Montana                             | 141,349                                 | 128,576                                 | 120,337    | 119,134    | 117,966    | 92.2                                                                  | 86.1 | 83.2 |
| Idaho                               | 128,400                                 | 115,192                                 | 120,947    | 119,123    | 118,346    | 94.8                                                                  | 95.1 | 92.2 |
| Wyoming                             | 60,100                                  | 43,112                                  | 54,505     | 56,870     | 55,841     | 91.6                                                                  | 94.3 | 92.9 |
| Colorado                            | 260,900                                 | 220,232                                 | 240,482    | 247,074    | 238,808    | 95.0                                                                  | 92.2 | 89.6 |
| New Mexico                          | 131,500                                 | 81,399                                  | 102,054    | 109,525    | 92,449     | 75.4                                                                  | 80.2 | 70.5 |
| Arizona                             | 123,700                                 | 76,505                                  | 103,806    | 97,900     | 92,781     | 88.0                                                                  | 88.6 | 75.0 |
| Utah                                | 157,800                                 | 117,406                                 | 138,046    | 141,448    | 142,797    | 87.2                                                                  | 89.8 | 90.5 |
| Nevada                              | 19,800                                  | 14,114                                  | 18,041     | 19,840     | 19,365     | 91.5                                                                  | 94.9 | 97.8 |
| Pacific                             | 1,826,400                               | 1,138,319                               | 1,618,009  | 1,675,335  | 1,658,356  | 97.5                                                                  | 94.5 | 90.8 |
| Washington                          | 367,200                                 | 291,053                                 | 344,731    | 346,993    | 340,742    | 94.1                                                                  | 96.6 | 92.8 |
| Oregon                              | 221,600                                 | 151,028                                 | 202,695    | 204,792    | 201,556    | 84.1                                                                  | 94.6 | 91.0 |
| California                          | 1,237,600                               | 696,238                                 | 1,068,688  | 1,123,550  | 1,116,058  | (9)                                                                   | 93.8 | 90.2 |
| Alaska Territory <sup>2</sup>       | 14,400                                  | 3,360                                   | 5,063      | 5,414      | 5,519      | 26.8                                                                  | 24.6 | 28.3 |
| American Samoa                      | 3,600                                   | —                                       | 1,032      | 2,102      | 2,189      | —                                                                     | 65.4 | 60.4 |
| Canal Zone                          | 10,600                                  | 3,485                                   | 7,003      | 7,691      | 7,298      | 55.4                                                                  | 80.2 | 69.5 |
| Guam                                | 6,400                                   | —                                       | 3,683      | 3,464      | 4,085      | —                                                                     | 71.0 | 63.3 |
| Hawaii Territory                    | 116,800                                 | 41,350                                  | 71,637     | 78,663     | 81,240     | —                                                                     | 64.0 | 69.5 |
| Philippine Islands                  | 3,600,000                               | 635,678                                 | 1,121,233  | 1,224,549  | 1,179,032  | —                                                                     | 34.8 | 32.7 |
| Puerto Rico                         | 564,900                                 | 189,458                                 | 221,248    | 229,169    | 239,495    | —                                                                     | 41.7 | 42.4 |
| Virgin Islands                      | 6,925                                   | —                                       | 3,051      | 3,242      | 3,519      | —                                                                     | 56.7 | 59.4 |

<sup>1</sup> Includes kindergarten; excludes elementary pupils in college training schools.

<sup>2</sup> Excludes 1,634 pupils in elementary college training schools for 1932 and 2,250 for 1934.

<sup>3</sup> The enrollment in schools in California for 1920 and in Dist. of Col. for 1934 was, respectively, 2.5 percent and 4.1 percent larger than the number of persons 5-17 years of age reported by Bureau of Census.

## PUBLIC AND PRIVATE: ENROLLMENT AND ATTENDANCE

| Public elementary and secondary schools—Continued |           |                          |                                                     |       |       |                  | Private and parochial schools, excluding kindergartens |                 |                  | Division and State or outlying area |      |
|---------------------------------------------------|-----------|--------------------------|-----------------------------------------------------|-------|-------|------------------|--------------------------------------------------------|-----------------|------------------|-------------------------------------|------|
| Number enrolled, 1934                             |           | Average daily attendance | Average days attendance per year per pupil enrolled |       |       |                  |                                                        | Number enrolled |                  |                                     |      |
| Elementary <sup>1</sup>                           | Secondary |                          | 1934                                                | 1920  | 1930  | 1932             | 1934                                                   | 1920            | 1932             |                                     | 1934 |
| 20,765,037                                        | 5,689,158 | 22,468,190               | 121.2                                               | 143.0 | 144.9 | 145.8            | 1,698,481                                              | 2,723,868       | 2,891,038        | C. U. S.                            |      |
| 1,161,546                                         | 394,676   | 1,370,145                | 145.9                                               | 160.0 | 159.5 | 158.4            | 263,634                                                | 387,424         | 335,497          | N. E.                               |      |
| 130,008                                           | 35,739    | 149,808                  | 142.4                                               | 160.0 | 161.2 | 158.0            | 16,698                                                 | 27,786          | 27,870           | Me.                                 |      |
| 58,688                                            | 19,065    | 68,997                   | 144.3                                               | 159.0 | 159.6 | 157.1            | 24,209                                                 | 34,056          | 30,512           | N. H.                               |      |
| 53,544                                            | 12,632    | 58,533                   | 131.6                                               | 151.2 | 153.2 | 151.6            | 7,770                                                  | 11,257          | 11,403           | Vt.                                 |      |
| 572,562                                           | 221,285   | 699,163                  | 149.6                                               | 163.1 | 160.7 | 158.8            | 129,268                                                | 197,107         | 173,313          | Mass.                               |      |
| 95,361                                            | 29,113    | 108,264                  | 142.9                                               | 151.5 | 156.5 | 151.5            | 23,662                                                 | 34,196          | 32,290           | R. I.                               |      |
| 251,383                                           | 75,842    | 285,480                  | 144.1                                               | 157.9 | 158.2 | 158.8            | 62,027                                                 | 63,022          | 60,109           | Conn.                               |      |
| 3,902,453                                         | 1,253,456 | 4,487,645                | 145.2                                               | 159.3 | 157.3 | 160.0            | 401,598                                                | 842,714         | 860,965          | M. A.                               |      |
| 1,683,731                                         | 613,137   | 2,014,280                | 148.8                                               | 163.4 | 158.9 | 162.6            | 238,473                                                | 393,564         | 399,490          | N. Y.                               |      |
| 638,172                                           | 189,203   | 700,195                  | 151.3                                               | 157.7 | 154.2 | 158.3            | 40,124                                                 | 133,811         | 135,279          | N. J.                               |      |
| 1,580,550                                         | 451,066   | 1,773,170                | 139.0                                               | 155.4 | 156.6 | 157.8            | 122,994                                                | 310,339         | 320,229          | Pa.                                 |      |
| 3,684,682                                         | 1,255,741 | 4,424,950                | 134.9                                               | 159.2 | 159.3 | 157.1            | 534,830                                                | 792,724         | 774,815          | E. N. C.                            |      |
| 977,754                                           | 322,283   | 1,190,102                | 130.7                                               | 160.0 | 158.6 | 158.5            | 107,828                                                | 184,222         | 181,532          | Ohio.                               |      |
| 520,604                                           | 175,909   | 653,330                  | 125.8                                               | 155.1 | 149.0 | 160.6            | 26,279                                                 | 63,320          | 64,456           | Ind.                                |      |
| 1,043,458                                         | 341,193   | 1,174,468                | 144.9                                               | 162.5 | 163.2 | 151.8            | 241,739                                                | 280,568         | 269,528          | Ill.                                |      |
| 739,636                                           | 236,453   | 800,596                  | 129.6                                               | 161.5 | 162.2 | 160.0            | 82,243                                                 | 153,325         | 145,294          | Mich.                               |      |
| 403,280                                           | 179,903   | 516,454                  | 138.9                                               | 150.3 | 158.1 | 167.4            | 76,741                                                 | 111,289         | 114,005          | Wis.                                |      |
| 2,215,709                                         | 670,996   | 2,483,317                | 127.4                                               | 148.9 | 153.0 | 150.4            | 186,183                                                | 285,479         | 260,905          | W. N. C.                            |      |
| 425,518                                           | 134,404   | 479,815                  | 125.5                                               | 149.1 | 152.6 | 152.0            | 45,374                                                 | 64,300          | 62,878           | Minn.                               |      |
| 417,729                                           | 129,845   | 474,818                  | 137.2                                               | 147.4 | 151.8 | 162.7            | 31,191                                                 | 47,064          | 47,796           | Iowa.                               |      |
| 559,496                                           | 190,692   | 611,587                  | 128.6                                               | 158.6 | 157.3 | 148.7            | 54,326                                                 | 77,601          | 77,112           | Mo.                                 |      |
| 128,143                                           | 32,556    | 135,739                  | 127.4                                               | 145.5 | 145.1 | 152.6            | 6,288                                                  | 8,868           | 9,881            | N. D.                               |      |
| 124,824                                           | 35,132    | 136,348                  | 112.4                                               | 149.4 | 141.1 | 145.8            | 4,357                                                  | 11,085          | 10,945           | S. D.                               |      |
| 241,385                                           | 75,371    | 277,392                  | 122.3                                               | 139.6 | 152.1 | 155.5            | 23,927                                                 | 26,078          | 25,247           | Nebr.                               |      |
| 318,614                                           | 102,896   | 367,618                  | 124.8                                               | 143.7 | 156.7 | 144.4            | 20,720                                                 | 30,483          | 26,046           | Kans.                               |      |
| 3,356,078                                         | 627,793   | 3,255,618                | 98.3                                                | 125.3 | 129.6 | 131.0            | 118,111                                                | 129,080         | 122,943          | S. A.                               |      |
| 35,604                                            | 10,344    | 39,728                   | 129.2                                               | 156.6 | 160.3 | 158.8            | 5,405                                                  | 7,890           | 7,482            | Del.                                |      |
| 238,361                                           | 55,317    | 252,226                  | 130.3                                               | 158.0 | 161.7 | 160.2            | 27,285                                                 | 51,983          | 52,930           | Md.                                 |      |
| 73,419                                            | 20,693    | 76,392                   | 143.8                                               | 146.5 | 146.6 | 146.0            | 12,057                                                 | 13,072          | 13,144           | D. C.                               |      |
| 492,485                                           | 93,172    | 486,845                  | 102.2                                               | 131.9 | 130.3 | 141.7            | 12,914                                                 | 12,664          | 12,402           | Va.                                 |      |
| 355,958                                           | 78,906    | 376,708                  | 102.8                                               | 145.6 | 143.0 | 151.1            | 4,820                                                  | 9,024           | 8,909            | W. Va.                              |      |
| 746,519                                           | 149,006   | 756,768                  | 91.8                                                | 119.7 | 129.9 | 134.6            | 25,398                                                 | 11,622          | 6,223            | N. C.                               |      |
| 424,719                                           | 61,993    | 378,830                  | 76.0                                                | 109.1 | 113.5 | 114.2            | 9,340                                                  | 5,444           | 4,864            | S. C.                               |      |
| 664,468                                           | 100,397   | 589,297                  | 98.0                                                | 111.7 | 105.9 | 104.8            | 14,030                                                 | 9,684           | 9,339            | Ga.                                 |      |
| 234,545                                           | 67,965    | 299,824                  | 98.0                                                | 119.0 | 133.3 | 128.2            | 6,862                                                  | 7,742           | 7,450            | Fla.                                |      |
| 2,208,102                                         | 313,960   | 1,943,990                | 84.3                                                | 114.7 | 115.1 | 118.0            | 68,425                                                 | 72,855          | 74,691           | E. S. C.                            |      |
| 518,793                                           | 90,891    | 471,920                  | 78.7                                                | 121.4 | 117.5 | 118.1            | 18,578                                                 | 39,663          | 39,903           | Ky.                                 |      |
| 566,991                                           | 88,316    | 511,360                  | 98.5                                                | 125.3 | 125.2 | 127.4            | 23,762                                                 | 11,882          | 11,841           | Tenn.                               |      |
| 678,908                                           | 96,983    | 507,843                  | 79.4                                                | 114.0 | 116.5 | 118.6            | 18,598                                                 | 10,920          | 14,150           | Ala.                                |      |
| 543,320                                           | 64,716    | 452,867                  | 76.9                                                | 97.7  | 98.1  | 98.7             | 8,437                                                  | 9,817           | 9,097            | Miss.                               |      |
| 2,347,085                                         | 608,411   | 2,294,665                | 103.4                                               | 118.1 | 124.3 | 129.5            | 66,171                                                 | 114,803         | 118,001          | W. S. C.                            |      |
| 401,576                                           | 55,104    | 347,059                  | 85.2                                                | 108.3 | 104.7 | 109.3            | 2,986                                                  | 7,402           | 6,785            | Ark.                                |      |
| 389,939                                           | 71,668    | 381,702                  | 107.7                                               | 121.5 | 129.1 | 131.0            | 26,647                                                 | 51,344          | 55,622           | La.                                 |      |
| 506,250                                           | 114,247   | 492,022                  | 100.5                                               | 119.4 | 125.4 | 134.9            | 8,772                                                  | 10,218          | 9,674            | Okl.                                |      |
| 1,046,270                                         | 266,392   | 1,073,882                | 112.0                                               | 126.4 | 128.8 | 133.5            | 17,766                                                 | 45,839          | 45,920           | Tex.                                |      |
| 672,571                                           | 205,388   | 761,292                  | 120.3                                               | 140.5 | 144.6 | 151.0            | 25,539                                                 | 42,857          | 43,437           | Mt.                                 |      |
| 85,086                                            | 32,480    | 105,830                  | 120.7                                               | 151.9 | 156.4 | 163.6            | 3,735                                                  | 7,042           | 7,079            | Mont.                               |      |
| 88,154                                            | 30,192    | 103,983                  | 126.9                                               | 132.4 | 144.1 | 143.9            | 3,000                                                  | 3,352           | 3,244            | Idaho.                              |      |
| 41,802                                            | 14,039    | 47,147                   | 117.4                                               | 141.3 | 147.9 | 149.5            | 1,051                                                  | 1,875           | 1,596            | Wyo.                                |      |
| 186,752                                           | 52,056    | 196,399                  | 114.4                                               | 142.8 | 143.6 | 148.0            | 3,854                                                  | 15,023          | 16,048           | Colo.                               |      |
| 79,367                                            | 13,082    | 87,895                   | 120.5                                               | 128.5 | 130.4 | 164.3            | 4,178                                                  | 9,162           | 9,513            | N. M.                               |      |
| 75,544                                            | 17,237    | 76,640                   | 98.6                                                | 128.1 | 141.3 | 138.2            | 3,185                                                  | 3,771           | 4,285            | Ariz.                               |      |
| 101,196                                           | 41,601    | 127,149                  | 138.5                                               | 150.7 | 148.4 | 152.7            | 6,218                                                  | 2,475           | 1,465            | Utah.                               |      |
| 14,670                                            | 4,695     | 16,339                   | 125.8                                               | 148.5 | 145.4 | 147.3            | 318                                                    | 157             | 207              | Nev.                                |      |
| 1,218,861                                         | 441,495   | 1,435,568                | 124.5                                               | 148.7 | 153.0 | 153.6            | 43,992                                                 | 96,300          | 99,479           | Pac.                                |      |
| 240,544                                           | 100,198   | 283,718                  | 123.1                                               | 145.0 | 148.8 | 150.6            | 8,450                                                  | 19,843          | 19,638           | Wash.                               |      |
| 146,137                                           | 55,419    | 169,260                  | 137.5                                               | 140.1 | 155.3 | 143.4            | 6,061                                                  | 10,627          | 12,817           | Oreg.                               |      |
| 830,180                                           | 285,878   | 982,590                  | 120.2                                               | 161.6 | 153.9 | 156.3            | 26,491                                                 | 65,830          | 67,024           | Calif.                              |      |
| 4,380                                             | 1,139     | 4,729                    | 132.3                                               | 148.7 | 140.3 | 147.9            | -----                                                  | 930             | ( <sup>5</sup> ) | Alaska. <sup>7</sup>                |      |
| 2,165                                             | 21        | 1,950                    | -----                                               | ----- | ----- | 151.6            | -----                                                  | 369             | 347              | A. S.                               |      |
| 6,292                                             | 1,006     | 6,336                    | 114.2                                               | 180.0 | 176.1 | 171.2            | -----                                                  | 1,100           | ( <sup>5</sup> ) | C. Z.                               |      |
| 4,015                                             | 70        | ( <sup>5</sup> )         | -----                                               | 194.7 | 183.6 | ( <sup>5</sup> ) | -----                                                  | 148             | 145              | Guam.                               |      |
| 70,747                                            | 10,493    | 76,692                   | 168.3                                               | 161.6 | 172.7 | 173.7            | 7,573                                                  | 12,617          | 11,612           | Hawaii.                             |      |
| 1,121,028                                         | 58,004    | 1,074,610                | 156.0                                               | 172.8 | 178.1 | 175.9            | 36,534                                                 | 84,398          | 90,866           | P. I.                               |      |
| 231,720                                           | 7,766     | 214,221                  | 145.7                                               | 167.1 | 167.8 | 163.1            | 5,823                                                  | 7,724           | 7,502            | P. R.                               |      |
| 3,300                                             | 219       | 2,681                    | -----                                               | ----- | 184.5 | 170.2            | -----                                                  | 1,179           | 1,202            | V. I.                               |      |

<sup>1</sup> Estimated.<sup>2</sup> Approximate.<sup>3</sup> 1919.<sup>4</sup> White schools.<sup>5</sup> Not available.

Source: Office of Education, Department of the Interior.



## No. 117.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: EXPENDITURES

| Division and State or outlying area | Total expenditures (thousands of dollars) |           |           | Per capita of total population (dollars) |       |       | Per capita of enrollment (dollars) <sup>1</sup> |        |        |            |       |       |
|-------------------------------------|-------------------------------------------|-----------|-----------|------------------------------------------|-------|-------|-------------------------------------------------|--------|--------|------------|-------|-------|
|                                     | 1930                                      | 1932      | 1934      | 1930                                     | 1932  | 1934  | For current expenses                            |        |        | For outlay |       |       |
|                                     | 1930                                      | 1932      | 1934      | 1930                                     | 1932  | 1934  | 1930                                            | 1932   | 1934   | 1930       | 1932  | 1934  |
| Continental U. S.                   | 2,316,790                                 | 2,174,861 | 1,720,105 | 18.87                                    | 17.42 | 13.58 | 75.40                                           | 74.22  | 62.52  | 14.44      | 8.03  | 2.24  |
| New England                         | 159,625                                   | 159,148   | 127,808   | 19.58                                    | 19.27 | 15.19 | 91.39                                           | 91.57  | 79.04  | 14.62      | 10.36 | 2.51  |
| Maine                               | 11,188                                    | 11,044    | 8,881     | 14.03                                    | 13.79 | 10.55 | 66.53                                           | 62.54  | 51.80  | 5.67       | 5.53  | .37   |
| New Hampshire                       | 6,919                                     | 7,137     | 5,850     | 14.87                                    | 15.25 | 11.79 | 85.75                                           | 87.98  | 73.62  | 7.39       | 5.39  | 1.69  |
| Vermont                             | 5,660                                     | 4,671     | 3,593     | 15.74                                    | 12.98 | 9.61  | 75.48                                           | 69.18  | 53.87  | 9.32       | 1.30  | .36   |
| Massachusetts                       | 80,891                                    | 88,306    | 72,885    | 20.45                                    | 20.55 | 16.85 | 97.48                                           | 97.25  | 87.06  | 15.72      | 12.91 | 4.07  |
| Rhode Island                        | 13,260                                    | 14,252    | 10,798    | 19.29                                    | 20.42 | 16.86 | 90.88                                           | 94.00  | 85.16  | 19.84      | 20.68 | 1.14  |
| Connecticut                         | 35,709                                    | 33,783    | 25,851    | 22.22                                    | 20.64 | 15.22 | 93.51                                           | 90.82  | 77.19  | 17.20      | 5.67  | 1.01  |
| Middle Atlantic                     | 661,730                                   | 640,792   | 550,438   | 25.20                                    | 23.96 | 18.22 | 107.98                                          | 109.50 | 97.18  | 27.07      | 15.34 | 2.80  |
| New York                            | 360,854                                   | 351,017   | 289,872   | 28.67                                    | 27.31 | 22.53 | 130.68                                          | 133.60 | 120.75 | 36.63      | 20.41 | 3.67  |
| New Jersey                          | 117,034                                   | 111,100   | 83,888    | 20.11                                    | 20.78 | 17.75 | 116.47                                          | 118.92 | 98.25  | 30.59      | 14.07 | 2.93  |
| Pennsylvania                        | 183,242                                   | 178,645   | 146,678   | 19.03                                    | 18.34 | 14.68 | 79.62                                           | 78.76  | 70.08  | 15.06      | 10.20 | 2.11  |
| East North Central                  | 536,770                                   | 476,283   | 359,567   | 21.22                                    | 18.49 | 14.12 | 91.11                                           | 86.69  | 70.01  | 18.31      | 8.64  | 2.44  |
| Ohio                                | 145,910                                   | 124,053   | 99,926    | 21.95                                    | 18.37 | 14.02 | 94.38                                           | 85.54  | 74.80  | 30.22      | 9.03  | 1.49  |
| Indiana                             | 63,330                                    | 57,984    | 43,338    | 19.56                                    | 17.71 | 12.75 | 81.91                                           | 78.78  | 60.07  | 12.44      | 5.54  | 1.76  |
| Illinois                            | 164,142                                   | 140,755   | 106,622   | 20.20                                    | 18.12 | 13.69 | 90.91                                           | 89.85  | 73.13  | 18.92      | 9.12  | 3.64  |
| Michigan                            | 119,300                                   | 100,200   | 68,300    | 24.04                                    | 20.11 | 14.61 | 99.91                                           | 93.95  | 68.45  | 22.09      | 6.58  | 1.68  |
| Wisconsin                           | 54,088                                    | 53,285    | 41,311    | 18.40                                    | 17.90 | 14.21 | 79.97                                           | 77.67  | 66.81  | 15.19      | 13.83 | 4.15  |
| West North Central                  | 255,941                                   | 230,166   | 177,009   | 19.26                                    | 17.19 | 13.07 | 78.64                                           | 75.04  | 59.29  | 11.01      | 5.03  | 2.25  |
| Minnesota                           | 61,600                                    | 49,072    | 39,300    | 20.13                                    | 19.22 | 15.02 | 83.86                                           | 83.00  | 68.25  | 9.58       | 5.33  | 1.92  |
| Iowa                                | 50,737                                    | 44,615    | 33,947    | 20.68                                    | 18.00 | 13.45 | 84.78                                           | 73.99  | 61.45  | 6.99       | 1.95  | .64   |
| Missouri                            | 55,907                                    | 50,057    | 40,895    | 16.40                                    | 13.69 | 10.58 | 65.51                                           | 65.09  | 54.39  | 19.71      | 8.11  | 2.44  |
| North Dakota                        | 16,448                                    | 13,435    | 9,501     | 24.16                                    | 19.61 | 13.63 | 88.31                                           | 78.29  | 57.57  | 8.84       | 2.83  | 1.66  |
| South Dakota                        | 15,304                                    | 14,178    | 9,529     | 22.09                                    | 20.25 | 14.05 | 86.31                                           | 81.26  | 58.10  | 6.01       | 4.70  | 1.48  |
| Nebraska                            | 27,142                                    | 24,785    | 17,163    | 19.70                                    | 17.86 | 12.58 | 76.98                                           | 72.37  | 52.95  | 6.42       | 4.07  | 1.23  |
| Kansas                              | 38,805                                    | 35,428    | 27,268    | 20.63                                    | 17.65 | 14.82 | 78.53                                           | 73.79  | 58.80  | 11.42      | 5.45  | 6.80  |
| South Atlantic                      | 184,089                                   | 172,977   | 143,408   | 11.88                                    | 10.80 | 8.40  | 42.69                                           | 40.13  | 33.95  | 6.12       | 4.33  | 1.94  |
| Delaware                            | 5,090                                     | 6,355     | 4,380     | 21.56                                    | 20.48 | 17.31 | 84.41                                           | 89.91  | 81.80  | 35.31      | 52.41 | 13.32 |
| Maryland                            | 24,672                                    | 25,972    | 21,436    | 15.12                                    | 15.71 | 12.89 | 74.02                                           | 74.52  | 65.20  | 14.27      | 15.02 | 7.66  |
| Dist. of Col.                       | 12,666                                    | 13,954    | 9,177     | 26.02                                    | 28.30 | 16.39 | 111.70                                          | 104.01 | 87.09  | 43.15      | 49.44 | 9.30  |
| Virginia                            | 23,656                                    | 22,513    | 20,362    | 9.76                                     | 9.17  | 7.83  | 36.11                                           | 36.88  | 32.72  | 4.86       | 2.67  | 1.87  |
| West Virginia                       | 28,219                                    | 26,692    | 19,761    | 16.32                                    | 14.50 | 10.97 | 65.46                                           | 57.03  | 44.40  | 5.89       | 3.42  | 1.04  |
| North Carolina                      | 37,274                                    | 30,938    | 22,567    | 11.76                                    | 9.28  | 6.68  | 37.45                                           | 33.17  | 24.14  | 5.55       | 1.59  | 1.06  |
| South Carolina                      | 15,327                                    | 12,491    | 11,700    | 8.81                                     | 7.16  | 5.95  | 29.69                                           | 26.69  | 23.49  | 2.69       | .71   | .55   |
| Georgia                             | 18,777                                    | 19,237    | 19,330    | 6.42                                     | 6.61  | 6.91  | 24.07                                           | 25.27  | 23.82  | 1.98       | .53   | 1.38  |
| Florida                             | 18,528                                    | 17,020    | 14,706    | 12.62                                    | 11.14 | 9.27  | 49.19                                           | 44.78  | 37.74  | 4.29       | 1.50  | .61   |
| East South Central                  | 84,627                                    | 80,085    | 64,917    | 8.56                                     | 8.00  | 6.33  | 30.86                                           | 29.98  | 24.55  | 3.86       | 2.32  | 1.07  |
| Kentucky                            | 22,939                                    | 21,756    | 17,034    | 8.77                                     | 8.25  | 6.07  | 34.66                                           | 32.64  | 26.96  | 4.32       | 2.64  | .98   |
| Tennessee                           | 22,655                                    | 22,015    | 18,875    | 8.60                                     | 8.31  | 6.01  | 33.47                                           | 31.69  | 28.16  | 2.62       | 2.62  | .64   |
| Alabama                             | 21,643                                    | 18,292    | 17,460    | 8.18                                     | 8.82  | 6.23  | 28.82                                           | 27.37  | 24.52  | 5.73       | 1.06  | 1.97  |
| Mississippi                         | 17,390                                    | 18,026    | 11,548    | 8.66                                     | 8.85  | 5.89  | 20.46                                           | 28.18  | 18.25  | 2.74       | 2.80  | .98   |
| West South Central                  | 148,935                                   | 139,908   | 107,604   | 12.07                                    | 11.27 | 8.53  | 43.24                                           | 43.24  | 36.34  | 7.71       | 6.37  | 1.98  |
| Arkansas                            | 14,147                                    | 11,656    | 9,069     | 7.63                                     | 6.24  | 4.59  | 26.28                                           | 24.08  | 18.86  | 4.73       | 2.05  | 1.00  |
| Louisiana                           | 21,836                                    | 20,992    | 15,890    | 10.39                                    | 9.68  | 8.51  | 42.49                                           | 40.88  | 33.82  | 7.44       | 6.02  | .62   |
| Oklahoma                            | 32,802                                    | 28,781    | 25,139    | 13.69                                    | 11.80 | 10.10 | 45.09                                           | 41.56  | 38.85  | 2.96       | 1.18  | 1.47  |
| Texas                               | 78,150                                    | 78,779    | 57,506    | 13.42                                    | 13.21 | 9.53  | 48.43                                           | 51.44  | 42.12  | 11.32      | 8.71  | 1.72  |
| Mountain                            | 87,029                                    | 77,670    | 59,652    | 23.51                                    | 20.72 | 16.15 | 86.23                                           | 81.53  | 66.65  | 10.60      | 3.75  | 1.27  |
| Montana                             | 13,671                                    | 11,803    | 8,825     | 25.43                                    | 21.94 | 16.62 | 100.48                                          | 92.79  | 73.65  | 13.13      | 6.28  | 1.39  |
| Idaho                               | 10,326                                    | 8,628     | 6,755     | 23.20                                    | 19.30 | 14.28 | 76.83                                           | 69.90  | 55.21  | 8.54       | 2.53  | 1.87  |
| Wyoming                             | 6,483                                     | 5,806     | 4,392     | 28.74                                    | 25.35 | 19.01 | 113.46                                          | 97.46  | 76.66  | 5.48       | 4.98  | 1.91  |
| Colorado                            | 24,490                                    | 23,702    | 18,992    | 23.65                                    | 22.64 | 16.06 | 94.43                                           | 92.84  | 70.37  | 7.45       | 3.09  | .78   |
| New Mexico                          | 6,799                                     | 6,779     | 5,653     | 16.06                                    | 15.78 | 14.06 | 61.51                                           | 58.03  | 46.46  | 4.96       | 3.80  | .63   |
| Arizona                             | 10,853                                    | 9,211     | 6,671     | 24.92                                    | 20.56 | 17.28 | 87.51                                           | 91.29  | 70.57  | 17.04      | 2.79  | 1.23  |
| Utah                                | 11,643                                    | 9,305     | 8,190     | 22.93                                    | 18.07 | 15.93 | 70.03                                           | 62.20  | 55.81  | 14.05      | 3.56  | 1.55  |
| Nevada                              | 2,765                                     | 2,433     | 2,174     | 30.26                                    | 28.19 | 22.18 | 119.17                                          | 116.54 | 110.01 | 33.54      | 6.40  | 2.16  |
| Pacific                             | 200,044                                   | 187,654   | 159,114   | 24.41                                    | 23.23 | 19.28 | 103.74                                          | 106.94 | 91.74  | 20.06      | 11.03 | 4.21  |
| Washington                          | 33,628                                    | 30,683    | 22,036    | 21.45                                    | 19.32 | 13.59 | 85.82                                           | 81.79  | 63.09  | 11.45      | 6.64  | 1.58  |
| Oregon                              | 19,573                                    | 17,156    | 13,049    | 20.52                                    | 17.61 | 13.06 | 83.52                                           | 78.03  | 63.85  | 13.09      | 5.74  | .89   |
| California                          | 146,943                                   | 149,812   | 124,029   | 25.88                                    | 25.19 | 21.99 | 113.35                                          | 119.98 | 105.62 | 24.15      | 13.35 | 6.01  |
| Alaska Territory                    | 696                                       | 705       | 804       | 11.74                                    | 11.71 | 13.18 | 123.40                                          | 112.95 | 116.94 | 18.53      | 17.27 | 28.68 |
| American Samoa                      | 17                                        | 20        | 15        | 1.72                                     | 1.80  | 13.99 | 8.87                                            | 9.24   | 7.04   | —          | .19   | —     |
| Canal Zone                          | 879                                       | 1,092     | 618       | 9.60                                     | 25.38 | 14.44 | 62.87                                           | 64.33  | 56.21  | 1.23       | 77.60 | 28.54 |
| Guam                                | 55                                        | 70        | 80        | 2.96                                     | 3.52  | 2.88  | 14.78                                           | 20.33  | 14.79  | .02        | —     | —     |
| Hawaii Territory                    | 5,638                                     | 5,937     | 5,091     | 15.31                                    | 15.11 | 12.24 | 68.42                                           | 68.21  | 60.84  | 10.09      | 7.02  | 1.69  |
| Philippine Is.                      | 15,540                                    | 13,958    | 11,943    | 1.29                                     | 1.11  | .92   | 10.46                                           | 10.62  | 9.47   | 3.40       | .77   | .66   |
| Puerto Rico                         | 5,299                                     | 5,405     | 4,827     | 3.43                                     | 3.38  | 2.93  | 23.37                                           | 23.00  | 19.96  | .56        | .34   | .20   |
| Virgin Islands                      | 110                                       | 116       | 108       | 4.99                                     | 5.28  | 4.92  | 35.12                                           | 34.84  | 30.61  | .28        | .63   | .14   |

<sup>1</sup> See note 7, table 110.<sup>2</sup> Computed by the Bureau of Foreign and Domestic Commerce based on revised estimates of population (see table 11, p. 9); the new method of estimating State population in 1934 may account in part for the marked changes in the ratios for some States.<sup>3</sup> 1930 figure; includes \$636,000 estimated interest on debt not included in figure in preceding column.<sup>4</sup> White schools.<sup>5</sup> Figure for 1933.<sup>6</sup> Based on 1933 expenditures.

Source: Office of Education, Department of the Interior.

# No. 118.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: ENROLLMENT OF WHITE AND NEGRO SCHOOL POPULATION IN 18 STATES

| State             | Enrollment in elementary and secondary schools |           |           |           | Ratio of enrollment to population, 5-17 years, <sup>1</sup> inclusive, percent |       |       |       | Average number of days attended by each pupil enrolled, 1934 |       |
|-------------------|------------------------------------------------|-----------|-----------|-----------|--------------------------------------------------------------------------------|-------|-------|-------|--------------------------------------------------------------|-------|
|                   | White                                          |           | Negro     |           | White                                                                          |       | Negro |       | White                                                        | Negro |
|                   | 1932                                           | 1934      | 1932      | 1934      | 1932                                                                           | 1934  | 1932  | 1934  |                                                              |       |
| Total             | 7,562,872                                      | 7,648,815 | 2,353,320 | 2,430,098 | 82.4                                                                           | 82.6  | 81.0  | 83.7  | 134                                                          | 111   |
| Delaware          | 37,615                                         | 38,801    | 6,907     | 7,147     | 75.1                                                                           | 76.7  | 85.3  | 88.2  | 160                                                          | 154   |
| Maryland          | 234,039                                        | 237,810   | 54,130    | 56,368    | 69.5                                                                           | 69.8  | 76.6  | 79.2  | 163                                                          | 147   |
| Dist. of Columbia | 59,698                                         | 61,437    | 30,389    | 32,675    | 95.2                                                                           | 97.1  | 113.8 | 120.6 | 146                                                          | 145   |
| Virginia          | 422,957                                        | 424,767   | 160,025   | 160,890   | 82.7                                                                           | 82.5  | 76.8  | 77.5  | 145                                                          | 138   |
| West Virginia     | 396,583                                        | 409,371   | 25,774    | 25,493    | 79.3                                                                           | 80.6  | 85.3  | 82.2  | 160                                                          | 162   |
| North Carolina    | 599,900                                        | 614,784   | 265,781   | 280,741   | 82.2                                                                           | 82.8  | 82.1  | 85.4  | 137                                                          | 129   |
| South Carolina    | 251,364                                        | 257,870   | 223,710   | 228,842   | 82.4                                                                           | 83.5  | 77.2  | 79.5  | 138                                                          | 87    |
| Georgia           | 479,655                                        | 491,529   | 263,101   | 273,336   | 86.9                                                                           | 88.7  | 77.8  | 82.2  | 110                                                          | 95    |
| Florida           | 266,201                                        | 277,629   | 101,567   | 104,881   | 96.4                                                                           | 97.7  | 88.3  | 89.9  | 129                                                          | 126   |
| Tennessee         | 527,954                                        | 539,498   | 113,697   | 115,809   | 83.9                                                                           | 85.1  | 88.5  | 90.5  | 127                                                          | 128   |
| Alabama           | 432,699                                        | 435,995   | 207,137   | 212,986   | 81.7                                                                           | 81.5  | 70.6  | 72.7  | 122                                                          | 111   |
| Mississippi       | 262,634                                        | 303,776   | 289,125   | 299,261   | 98.9                                                                           | 101.4 | 92.2  | 95.5  | 111                                                          | 86    |
| Missouri          | 645,559                                        | 675,342   | 38,271    | 44,246    | 79.3                                                                           | 83.0  | 82.8  | 83.9  | 149                                                          | 149   |
| Arkansas          | 345,542                                        | 347,791   | 100,609   | 103,889   | 82.0                                                                           | 82.4  | 72.9  | 79.4  | 114                                                          | 94    |
| Louisiana         | 286,938                                        | 294,269   | 160,529   | 167,338   | 74.5                                                                           | 76.6  | 70.7  | 73.5  | 144                                                          | 108   |
| Oklahoma          | 622,999                                        | 575,802   | 50,268    | 47,695    | 95.4                                                                           | 94.4  | 101.8 | 96.4  | 136                                                          | 124   |
| Texas             | 1,085,350                                      | 1,098,318 | 214,396   | 213,944   | 77.6                                                                           | 76.8  | 88.3  | 87.5  | 137                                                          | 114   |
| Kentucky          | 565,135                                        | 559,527   | 47,984    | 50,157    | 80.2                                                                           | 78.8  | 88.7  | 93.4  | 119                                                          | 113   |

<sup>1</sup> Population 5 to 17 years of age estimated. In some cases the reported enrollment exceeded the estimated population in this age group.

## No. 119.—PUBLIC AND PRIVATE HIGH SCHOOLS: PUPILS ENROLLED

NOTE.—Data are from State reports; they exclude seventh and eighth grade pupils in junior high schools.

| Division and State or outlying area | Public    |           |           | Private, 1934 | Division and State or outlying area | Public  |         |         | Private, 1934 |
|-------------------------------------|-----------|-----------|-----------|---------------|-------------------------------------|---------|---------|---------|---------------|
|                                     | 1930      | 1932      | 1934      |               |                                     | 1930    | 1932    | 1934    |               |
| Cont'l U. S.                        | 4,399,422 | 5,140,021 | 5,689,156 | 360,092       | S. Atl.—Contd.                      |         |         |         |               |
| New England                         | 297,907   | 363,595   | 394,676   | 54,289        | Georgia                             | 80,701  | 93,030  | 100,397 | 2,967         |
| Maine                               | 30,006    | 33,498    | 36,739    | 6,938         | Florida                             | 45,207  | 52,494  | 57,955  | 1,704         |
| N. Hampshire                        | 14,158    | 16,955    | 19,065    | 8,508         | E. S. Central                       | 245,503 | 278,101 | 313,908 | 17,761        |
| Vermont                             | 11,600    | 12,646    | 12,632    | 2,543         | Kentucky                            | 62,470  | 71,945  | 90,891  | 6,543         |
| Massachusetts                       | 165,408   | 202,670   | 221,285   | 22,966        | Tennessee                           | 69,691  | 79,164  | 88,316  | 4,560         |
| Rhode Island                        | 17,386    | 25,268    | 29,113    | 4,304         | Alabama                             | 61,054  | 69,146  | 69,983  | 4,473         |
| Connecticut                         | 59,350    | 72,558    | 75,842    | 9,040         | Mississippi                         | 52,288  | 57,846  | 64,716  | 2,185         |
| Mid. Atlantic                       | 843,155   | 1,059,709 | 1,253,456 | 100,388       | W. S. Central                       | 444,420 | 488,240 | 508,411 | 14,267        |
| New York                            | 424,834   | 507,090   | 613,137   | 47,441        | Arkansas                            | 48,280  | 53,911  | 55,104  | 607           |
| New Jersey                          | 110,929   | 154,969   | 180,263   | 16,409        | Louisiana                           | 57,843  | 63,989  | 71,668  | 7,440         |
| Pennsylvania                        | 298,392   | 397,650   | 451,056   | 36,538        | Oklahoma                            | 104,159 | 113,421 | 114,247 | 1,372         |
| E. N. Central                       | 978,973   | 1,153,451 | 1,255,741 | 83,789        | Texas                               | 236,138 | 256,919 | 295,392 | 4,548         |
| Ohio                                | 265,721   | 295,196   | 322,283   | 24,404        | Mountain                            | 170,587 | 182,984 | 205,362 | 7,231         |
| Indiana                             | 144,001   | 161,071   | 175,909   | 5,724         | Montana                             | 24,787  | 29,094  | 32,480  | 1,424         |
| Illinois                            | 301,119   | 337,798   | 341,193   | 28,028        | Idaho                               | 27,172  | 28,518  | 30,192  | 750           |
| Michigan                            | 161,795   | 200,513   | 236,453   | 16,945        | Wyoming                             | 11,164  | 13,482  | 14,039  | 11            |
| Wisconsin                           | 106,337   | 158,873   | 179,903   | 8,788         | Colorado                            | 43,217  | 47,889  | 52,056  | 2,288         |
| W. N. Central                       | 589,523   | 623,270   | 670,296   | 38,974        | New Mexico                          | 12,587  | 15,046  | 13,082  | 1,402         |
| Minnesota                           | 98,613    | 114,446   | 134,404   | 8,228         | Arizona                             | 15,259  | 15,958  | 17,237  | 604           |
| Iowa                                | 117,229   | 124,989   | 129,845   | 9,080         | Utah                                | 32,619  | 38,454  | 41,601  | 452           |
| Missouri                            | 132,050   | 145,091   | 160,092   | 9,151         | Nevada                              | 3,762   | 4,543   | 4,695   | —             |
| North Dakota                        | 29,697    | 32,089    | 32,556    | 2,064         | Pacific                             | 385,097 | 418,212 | 441,495 | 19,832        |
| South Dakota                        | 31,338    | 33,937    | 35,132    | 1,123         | Washington                          | 85,428  | 95,732  | 100,198 | 3,448         |
| Nebraska                            | 68,986    | 74,232    | 75,371    | 3,536         | Oregon                              | 47,687  | 52,114  | 55,419  | 2,029         |
| Kansas                              | 91,610    | 98,436    | 102,896   | 3,792         | California                          | 231,982 | 270,366 | 285,878 | 14,358        |
| S. Atlantic                         | 484,277   | 562,459   | 627,793   | 25,551        | Alaska                              | 785     | 937     | 1,139   | —             |
| Delaware                            | 7,009     | 8,726     | 10,344    | 804           | American Samoa                      | —       | —       | 21      | —             |
| Maryland                            | 42,266    | 52,202    | 55,317    | 7,211         | Canal Zone                          | 632     | 769     | 1,006   | —             |
| Dist. of Col.                       | 16,399    | 18,681    | 20,693    | 2,702         | Guam                                | —       | 70      | 70      | —             |
| Virginia                            | 74,027    | 83,558    | 93,172    | 4,704         | Hawaii                              | 7,096   | 9,588   | 10,493  | 2,183         |
| West Virginia                       | 48,814    | 62,702    | 78,906    | 1,367         | Philippine Is.                      | 71,155  | 80,886  | 58,004  | —             |
| N. Carolina                         | 116,937   | 133,207   | 149,006   | 2,270         | Puerto Rico                         | 7,054   | 7,180   | 7,766   | 1,011         |
| S. Carolina                         | 52,887    | 57,881    | 61,993    | 1,822         | Virgin Islands                      | 63      | 162     | 219     | —             |

Source of tables 118 and 119: Office of Education, Department of the Interior.

# No. 120.—SCHOOL STATISTICS OF NONCONTIGUOUS TERRITORIES AND POSSESSIONS: ELEMENTARY AND SECONDARY SCHOOLS

|                                   | 1899-1900 <sup>1</sup> | 1909-10                  | 1919-20                  | 1929-30                  | 1931-32                  | 1933-34                  | 1934-35                  |
|-----------------------------------|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>HAWAII TERRITORY</b>           |                        |                          |                          |                          |                          |                          |                          |
| Public schools:                   |                        |                          |                          |                          |                          |                          |                          |
| Number.....                       | 140                    | 152                      | 173                      | 181                      | 181                      | 185                      | 184                      |
| Teachers.....                     | 352                    | 453                      | 1,161                    | 2,568                    | 2,685                    | 2,639                    | 2,674                    |
| Male.....                         | 112                    | 106                      | 143                      | 469                      | 507                      | 506                      | 533                      |
| Female.....                       | 240                    | 350                      | 1,018                    | 2,094                    | 2,179                    | 2,033                    | 2,141                    |
| Pupils.....                       | 11,501                 | 19,909                   | 38,205                   | 73,180                   | 78,663                   | 81,240                   | 83,310                   |
| Male.....                         | 8,839                  | 10,937                   | 20,044                   | 37,682                   | 40,944                   | 42,103                   | 43,208                   |
| Female.....                       | 5,162                  | 8,972                    | 18,251                   | 35,498                   | 37,719                   | 39,137                   | 40,111                   |
| Private schools:                  |                        |                          |                          |                          |                          |                          |                          |
| Enrollment.....                   | 4,036                  | 5,028                    | 7,406                    | 11,835                   | 12,617                   | 11,812                   | 13,130                   |
| <b>PUERTO RICO</b>                |                        |                          |                          |                          |                          |                          |                          |
| Public schools:                   |                        |                          |                          |                          |                          |                          |                          |
| Population.....                   | 953,243                | <sup>2</sup> 1,118,012   | <sup>2</sup> 1,299,809   | <sup>2</sup> 1,544,000   | <sup>2</sup> 1,615,400   | <sup>2</sup> 1,673,600   | <sup>2</sup> 1,710,300   |
| Persons of 5-17 years.....        | 322,393                | <sup>2</sup> 361,997     | <sup>2</sup> 438,743     | <sup>2</sup> 530,148     | <sup>2</sup> 550,200     | <sup>2</sup> 568,000     | ( <sup>3</sup> )         |
| Enrollment.....                   | <sup>4</sup> 21,873    | 112,829                  | 180,458                  | 221,248                  | 229,169                  | 239,495                  | 246,414                  |
| Teachers.....                     | 526                    | 1,716                    | 3,214                    | 4,451                    | 4,601                    | 4,963                    | 5,077                    |
| Public-school buildings.....      | ( <sup>5</sup> )       | 274                      | 569                      | 1,080                    | 1,098                    | 1,053                    | 1,100                    |
| Rented buildings.....             | ( <sup>5</sup> )       | 751                      | 1,334                    | 1,170                    | 901                      | 1,022                    | 1,021                    |
| Schoolrooms.....                  | 525                    | 1,611                    | 3,066                    | 4,690                    | 4,477                    | 4,577                    | 470                      |
| School expenditures.....          | \$288,098              | <sup>6</sup> \$1,208,640 | <sup>6</sup> \$2,961,877 | <sup>6</sup> \$5,206,450 | <sup>6</sup> \$5,405,288 | <sup>6</sup> \$4,870,570 | <sup>6</sup> \$4,803,605 |
| Expenditures per inhabitant.....  | \$0.30                 | \$1.11                   | \$2.28                   | \$3.43                   | \$3.35                   | \$2.90                   | \$2.81                   |
| Private schools:                  |                        |                          |                          |                          |                          |                          |                          |
| Enrollment.....                   | ( <sup>4</sup> )       | ( <sup>4</sup> )         | 5,823                    | 5,728                    | 7,724                    | 7,522                    | 8,696                    |
| <b>PHILIPPINE ISLANDS</b>         |                        |                          |                          |                          |                          |                          |                          |
| Schools, number.....              | 2,235                  | 4,531                    | 5,944                    | 7,821                    | 7,641                    | 7,677                    | -----                    |
| Primary and intermediate.....     | 2,250                  | 4,493                    | 5,894                    | 7,694                    | 7,516                    | 7,560                    | -----                    |
| Secondary.....                    | 35                     | 38                       | 50                       | 127                      | 125                      | 117                      | -----                    |
| Teachers.....                     | 4,641                  | 9,007                    | 17,575                   | 28,519                   | 27,252                   | 27,065                   | -----                    |
| American.....                     | 787                    | 732                      | 641                      | 263                      | 210                      | 169                      | -----                    |
| Philippine.....                   | 3,854                  | 8,275                    | 17,234                   | 28,256                   | 27,033                   | 26,896                   | -----                    |
| Average monthly enrollment.....   | <sup>7</sup> 227,600   | <sup>8</sup> 451,938     | 678,953                  | 1,100,896                | 1,143,884                | 1,112,162                | -----                    |
| Expenditures (1,000 dollars)..... | 1,401                  | 3,238                    | 9,103                    | 15,540                   | 13,950                   | ( <sup>9</sup> )         | -----                    |
| <b>ALASKA TERRITORY</b>           |                        |                          |                          |                          |                          |                          |                          |
| Native schools: <sup>10</sup>     |                        |                          |                          |                          |                          |                          |                          |
| Number.....                       | 25                     | 77                       | 67                       | 93                       | 104                      | 99                       | 96                       |
| Pupils enrolled.....              | 1,763                  | 3,964                    | 3,610                    | 3,899                    | 4,386                    | 4,356                    | 4,209                    |
| Average attendance.....           | 35                     | 1,692                    | 2,367                    | 3,023                    | 3,332                    | 3,367                    | 3,161                    |
| Teachers.....                     | 27                     | 103                      | 138                      | 195                      | 219                      | 193                      | 186                      |
| Total cost.....                   | \$29,274               | <sup>11</sup> \$195,613  | <sup>11</sup> \$249,456  | <sup>11</sup> \$580,400  | <sup>11</sup> \$749,956  | <sup>11</sup> \$422,023  | <sup>11</sup> \$433,528  |
| Teachers' salaries.....           | \$18,341               | <sup>12</sup> \$85,834   | <sup>12</sup> \$122,014  | <sup>12</sup> \$220,667  | <sup>12</sup> \$291,631  | <sup>12</sup> \$230,040  | <sup>12</sup> \$246,813  |
| White schools: <sup>13</sup>      |                        |                          |                          |                          |                          |                          |                          |
| Teachers.....                     | -----                  | -----                    | 183                      | 253                      | 263                      | 271                      | 278                      |
| Pupils enrolled.....              | -----                  | -----                    | 3,418                    | 5,066                    | 5,395                    | 5,519                    | 5,697                    |
| Average attendance.....           | -----                  | -----                    | 1,835                    | 4,167                    | 4,601                    | 4,729                    | 4,773                    |
| Expenditures <sup>14</sup> .....  | -----                  | <sup>15</sup> \$36,486   | <sup>15</sup> \$340,729  | <sup>15</sup> \$695,841  | <sup>15</sup> \$704,988  | <sup>15</sup> \$803,678  | ( <sup>16</sup> )        |
| Teachers' salaries.....           | -----                  | ( <sup>16</sup> )        | <sup>16</sup> \$224,558  | <sup>16</sup> \$405,242  | <sup>16</sup> \$457,941  | <sup>16</sup> \$443,333  | ( <sup>16</sup> )        |

<sup>1</sup> Statistics for Puerto Rico are for 1898-99; for Philippine Islands, for 1903-4.

<sup>2</sup> Censuses of 1910, 1920, and 1930, respectively.

<sup>3</sup> Census estimates as of July 1. Figures for total population are revised estimates based upon a Census taken as of Dec. 1, 1935. Revised estimates of population 5-17 years of age are not available.

<sup>4</sup> Not available.

<sup>5</sup> Attendance at end of the year.

<sup>6</sup> No school buildings on the island, the 525 schools in operation being conducted, as a rule, in teachers' residences.

<sup>7</sup> March.

<sup>8</sup> Highest monthly enrollment.

<sup>9</sup> September.

<sup>10</sup> Statistics for 1899-1900 are for all public schools.

<sup>11</sup> Including mixed schools outside of incorporated towns and districts.

<sup>12</sup> Native and mixed schools outside of incorporated towns only.

<sup>13</sup> Mixed and white schools outside of incorporated towns not included.

<sup>14</sup> Revised to include capital outlays; excludes interest. Figures beginning with 1929-30 furnished by the Office of Education, Department of the Interior.

Sources: Hawaii, reports of the Governor of Hawaii. Puerto Rico, reports of the Governors of Puerto Rico and the Commissioner of Education. Philippine Islands, reports of the Director of Education. Alaska, native schools, Office of Indian Affairs, Department of the Interior; white schools, reports of the Governor of Alaska and Commissioner of Education, Alaska, except as noted.

No. 121.—UNIVERSITIES, COLLEGES (INCLUDING JUNIOR COLLEGES),  
AND PROFESSIONAL SCHOOLS: LIBRARIES AND OTHER PROPERTY

[All money figures in thousands of dollars]

| Division and State or Territory | Volumes in libraries |            | Value of libraries, scientific apparatus, machinery, and furniture |         | Value of grounds, buildings, and dormitories |           | Endowment funds <sup>1</sup> |           |           |
|---------------------------------|----------------------|------------|--------------------------------------------------------------------|---------|----------------------------------------------|-----------|------------------------------|-----------|-----------|
|                                 | 1932                 | 1934       | 1932                                                               | 1934    | 1932                                         | 1934      | 1930                         | 1932      | 1934      |
| Cont'l U.S.                     | 48,682,136           | 57,917,812 | 319,997                                                            | 365,181 | 1,688,817                                    | 1,887,696 | 1,347,876                    | 1,363,635 | 1,458,108 |
| New England                     | 9,049,102            | 9,132,227  | 31,730                                                             | 34,852  | 167,711                                      | 186,543   | 346,894                      | 362,813   | 378,980   |
| Maine                           | 442,843              | 512,200    | 1,796                                                              | 1,895   | 6,841                                        | 8,803     | 10,438                       | 10,772    | 11,570    |
| New Hampshire                   | 340,434              | 529,600    | 1,098                                                              | 1,900   | 12,536                                       | 14,270    | 16,163                       | 13,697    | 17,433    |
| Vermont                         | 236,276              | 262,551    | 540                                                                | 605     | 4,149                                        | 6,422     | 6,136                        | 6,170     | 7,988     |
| Massachusetts                   | 4,675,922            | 4,324,359  | 12,730                                                             | 14,345  | 70,387                                       | 76,155    | 211,230                      | 228,954   | 229,462   |
| Rhode Island                    | 504,569              | 540,604    | 505                                                                | 432     | 8,922                                        | 10,315    | 10,870                       | 10,554    | 10,429    |
| Connecticut                     | 2,548,058            | 2,962,908  | 14,511                                                             | 15,909  | 64,826                                       | 70,578    | 91,867                       | 92,466    | 102,098   |
| Middle Atlantic                 | 9,000,200            | 11,472,348 | 59,389                                                             | 71,287  | 430,008                                      | 488,058   | 312,098                      | 318,460   | 365,421   |
| New York                        | 4,334,721            | 6,200,014  | 29,255                                                             | 40,670  | 249,903                                      | 264,463   | 208,265                      | 187,599   | 221,820   |
| New Jersey                      | 1,427,889            | 1,621,156  | 4,181                                                              | 3,201   | 29,115                                       | 37,021    | 15,128                       | 37,867    | 43,541    |
| Pennsylvania                    | 3,237,590            | 3,651,178  | 25,893                                                             | 27,416  | 150,985                                      | 166,574   | 88,703                       | 90,994    | 100,060   |
| East North Central              | 10,149,813           | 12,151,471 | 70,979                                                             | 73,095  | 338,225                                      | 379,011   | 249,182                      | 237,704   | 232,577   |
| Ohio                            | 3,047,178            | 3,286,938  | 21,086                                                             | 18,594  | 103,370                                      | 98,486    | 84,983                       | 82,539    | 75,461    |
| Indiana                         | 1,058,211            | 1,308,432  | 8,750                                                              | 7,862   | 42,573                                       | 43,801    | 26,877                       | 17,175    | 19,007    |
| Illinois                        | 3,436,084            | 4,074,306  | 17,717                                                             | 18,663  | 103,837                                      | 129,372   | 118,890                      | 112,978   | 112,880   |
| Michigan                        | 1,395,153            | 1,715,855  | 15,541                                                             | 18,010  | 57,268                                       | 67,629    | 12,808                       | 13,128    | 12,984    |
| Wisconsin                       | 1,211,837            | 1,765,940  | 7,885                                                              | 8,966   | 31,179                                       | 39,723    | 12,424                       | 11,889    | 12,245    |
| West North Central              | 5,724,280            | 6,892,479  | 44,826                                                             | 52,961  | 178,395                                      | 198,740   | 91,850                       | 92,051    | 94,308    |
| Minnesota                       | 1,369,362            | 1,490,004  | 6,587                                                              | 11,188  | 42,386                                       | 49,095    | 19,819                       | 20,619    | 22,058    |
| Iowa                            | 1,102,168            | 1,508,152  | 10,298                                                             | 10,834  | 38,447                                       | 40,744    | 14,840                       | 12,821    | 14,444    |
| Missouri                        | 1,466,415            | 1,680,047  | 11,562                                                             | 12,472  | 50,174                                       | 50,338    | 34,068                       | 34,214    | 34,438    |
| North Dakota                    | 178,544              | 261,881    | 1,519                                                              | 2,794   | 4,383                                        | 7,126     | 4,606                        | 4,287     | 4,304     |
| South Dakota                    | 267,604              | 323,453    | 2,064                                                              | 2,523   | 6,800                                        | 8,117     | 3,708                        | 3,774     | 3,943     |
| Nebraska                        | 521,176              | 697,225    | 3,782                                                              | 4,320   | 15,107                                       | 18,781    | 6,642                        | 8,581     | 8,110     |
| Kansas                          | 735,021              | 931,717    | 6,014                                                              | 8,830   | 21,389                                       | 24,539    | 7,971                        | 7,755     | 7,011     |
| South Atlantic                  | 5,102,357            | 6,075,798  | 36,073                                                             | 38,488  | 233,397                                      | 262,700   | 123,186                      | 133,877   | 149,577   |
| Delaware                        | 44,923               | 68,298     | 1,030                                                              | 1,075   | 3,150                                        | 3,315     | 681                          | 604       | 612       |
| Maryland                        | 926,398              | 995,545    | 5,703                                                              | 4,204   | 50,240                                       | 62,466    | 31,213                       | 34,562    | 34,827    |
| Dist. of Columbia               | 571,762              | 629,712    | 2,340                                                              | 2,372   | 15,803                                       | 16,676    | 6,137                        | 6,191     | 7,953     |
| Virginia                        | 957,010              | 1,124,459  | 5,221                                                              | 6,395   | 35,372                                       | 41,114    | 23,253                       | 29,910    | 35,429    |
| West Virginia                   | 236,321              | 462,893    | 2,078                                                              | 2,773   | 12,435                                       | 17,730    | 3,222                        | 2,947     | 2,756     |
| North Carolina                  | 1,035,385            | 1,256,631  | 7,929                                                              | 9,389   | 57,616                                       | 62,112    | 35,289                       | 35,545    | 40,961    |
| South Carolina                  | 422,899              | 510,782    | 4,257                                                              | 3,782   | 19,610                                       | 18,919    | 5,054                        | 5,055     | 4,856     |
| Georgia                         | 626,824              | 727,536    | 4,870                                                              | 5,404   | 29,175                                       | 30,810    | 15,497                       | 16,278    | 19,559    |
| Florida                         | 280,445              | 300,040    | 2,845                                                              | 3,004   | 9,976                                        | 9,558     | 2,838                        | 2,785     | 2,624     |
| East South Central              | 1,858,988            | 2,373,505  | 12,830                                                             | 16,388  | 80,188                                       | 100,909   | 57,249                       | 57,412    | 58,532    |
| Kentucky                        | 625,874              | 680,240    | 3,178                                                              | 5,018   | 19,860                                       | 25,784    | 17,100                       | 17,177    | 16,932    |
| Tennessee                       | 688,687              | 920,581    | 4,667                                                              | 5,197   | 32,288                                       | 39,710    | 29,949                       | 29,924    | 30,902    |
| Alabama                         | 304,134              | 460,972    | 2,185                                                              | 2,764   | 14,638                                       | 20,977    | 6,267                        | 7,303     | 7,630     |
| Mississippi                     | 240,288              | 311,712    | 2,770                                                              | 3,359   | 13,402                                       | 14,438    | 3,933                        | 3,008     | 3,068     |
| West South Central              | 2,827,428            | 3,092,643  | 22,100                                                             | 28,961  | 97,087                                       | 114,228   | 64,895                       | 76,263    | 78,137    |
| Arkansas                        | 241,723              | 293,845    | 1,912                                                              | 2,274   | 7,804                                        | 8,230     | 2,190                        | 2,427     | 2,298     |
| Louisiana                       | 318,190              | 490,559    | 4,043                                                              | 4,678   | 20,070                                       | 23,562    | 12,585                       | 12,874    | 11,332    |
| Oklahoma                        | 352,076              | 570,320    | 3,635                                                              | 5,486   | 14,823                                       | 17,126    | 4,989                        | 4,838     | 4,483     |
| Texas                           | 1,415,437            | 1,737,919  | 12,210                                                             | 16,523  | 54,690                                       | 65,310    | 44,758                       | 56,124    | 58,024    |
| Mountain                        | 1,588,130            | 1,975,082  | 11,561                                                             | 13,125  | 41,290                                       | 47,789    | 16,964                       | 18,689    | 16,455    |
| Montana                         | 247,866              | 239,193    | 1,400                                                              | 1,579   | 5,021                                        | 5,873     | 3,025                        | 3,484     | 3,587     |
| Idaho                           | 125,674              | 164,528    | 1,048                                                              | 1,289   | 3,166                                        | 4,695     | 2,609                        | 2,890     | 2,734     |
| Wyoming                         | 110,039              | 116,200    | 1,036                                                              | 764     | 2,366                                        | 1,911     | 2,318                        | 2,406     | 2,625     |
| Colorado                        | 578,832              | 751,372    | 3,891                                                              | 4,335   | 15,965                                       | 18,269    | 5,836                        | 5,551     | 5,900     |
| New Mexico                      | 81,721               | 127,458    | 889                                                                | 1,100   | 3,482                                        | 3,628     | 736                          | 755       | 791       |
| Arizona                         | 106,900              | 157,117    | 1,114                                                              | 1,853   | 2,633                                        | 4,364     | 723                          | 709       | 44        |
| Utah                            | 283,371              | 321,194    | 1,763                                                              | 1,763   | 6,708                                        | 7,085     | 1,477                        | 429       | 558       |
| Nevada                          | 54,337               | 98,000     | 420                                                                | 445     | 1,949                                        | 1,977     | 335                          | 345       | 316       |
| Pacific                         | 3,882,345            | 4,772,281  | 30,519                                                             | 38,072  | 120,521                                      | 129,717   | 88,180                       | 72,666    | 88,120    |
| Washington                      | 664,165              | 908,060    | 4,637                                                              | 4,456   | 18,888                                       | 16,238    | 9,988                        | 5,301     | 9,910     |
| Oregon                          | 532,086              | 607,546    | 4,318                                                              | 4,894   | 12,481                                       | 13,197    | 5,371                        | 5,539     | 5,726     |
| California                      | 2,656,094            | 3,256,675  | 21,564                                                             | 26,722  | 89,172                                       | 100,282   | 70,801                       | 61,846    | 70,484    |
| Alaska Territory                | 11,534               | 11,534     | 227                                                                | 239     | 275                                          | 397       | 50                           | -----     | -----     |
| Hawaii Territory                | 71,389               | 77,462     | 583                                                                | 615     | 2,225                                        | 1,614     | 6                            | -----     | 7         |
| Puerto Rico                     | 34,497               | 42,731     | 482                                                                | 557     | 894                                          | 1,134     | 335                          | 450       | 608       |

<sup>1</sup> Figures for 1930 include student-aid funds and annuity funds which are excluded from figures for 1932 and 1934.

Source: Office of Education, Department of the Interior.

## No. 122.—UNIVERSITIES, COLLEGES (INCLUDING JUNIOR

NOTE.—Faculty includes administrative officers, extension service, and organized research as well as

| Division and State or outlying area      | Number of institutions, 1934 | Faculty, 1934 (reduced to full-time basis) |        | Students of college grade              |         |                   |         |         |               |         | Arts and sciences, 1934 |  |
|------------------------------------------|------------------------------|--------------------------------------------|--------|----------------------------------------|---------|-------------------|---------|---------|---------------|---------|-------------------------|--|
|                                          |                              |                                            |        | Total enrollment, excluding duplicates |         |                   |         |         |               |         |                         |  |
|                                          |                              |                                            |        | 1930                                   | 1932    | 1934 <sup>1</sup> |         |         | Undergraduate |         |                         |  |
|                                          |                              | Male                                       | Female |                                        |         | Total             | Male    | Female  |               | Male    | Female                  |  |
| 1 Cont'l U. S.....                       | 1,168                        | 87,270                                     | 22,105 | 924,275                                | 989,757 | 919,178           | 570,514 | 348,662 | 280,909       | 226,143 |                         |  |
| 2 New England.....                       | 64                           | 7,087                                      | 1,588  | 71,608                                 | 70,169  | 65,242            | 48,756  | 18,486  | 22,517        | 13,167  |                         |  |
| 3 Maine.....                             | 6                            | 329                                        | 95     | 3,310                                  | 3,682   | 3,463             | 2,541   | 922     | 1,728         | 705     |                         |  |
| 4 New Hampshire.....                     | 4                            | 530                                        | 73     | 3,943                                  | 4,438   | 4,408             | 3,749   | 659     | 2,975         | 532     |                         |  |
| 5 Vermont.....                           | 5                            | 311                                        | 104    | 2,319                                  | 2,395   | 2,452             | 1,484   | 968     | 1,005         | 800     |                         |  |
| 6 Massachusetts.....                     | 23                           | 4,558                                      | 1,031  | 50,352                                 | 48,119  | 42,708            | 29,169  | 13,534  | 9,920         | 9,441   |                         |  |
| 7 Rhode Island.....                      | 4                            | 302                                        | 36     | 3,653                                  | 3,036   | 3,855             | 3,021   | 834     | 2,177         | 518     |                         |  |
| 8 Connecticut.....                       | 12                           | 1,037                                      | 249    | 8,031                                  | 8,499   | 8,361             | 6,792   | 1,569   | 4,712         | 1,041   |                         |  |
| 9 Middle Atlantic.....                   | 155                          | 15,828                                     | 4,337  | 220,877                                | 251,421 | 223,988           | 145,888 | 78,098  | 57,903        | 34,821  |                         |  |
| 10 New York.....                         | 66                           | 8,896                                      | 2,794  | 143,278                                | 170,902 | 153,444           | 97,043  | 56,401  | 38,818        | 24,671  |                         |  |
| 11 New Jersey.....                       | 17                           | 1,079                                      | 204    | 11,152                                 | 10,007  | 10,758            | 8,781   | 1,977   | 4,328         | 1,734   |                         |  |
| 12 Pennsylvania.....                     | 72                           | 5,833                                      | 1,539  | 66,437                                 | 70,512  | 59,784            | 40,064  | 19,730  | 14,761        | 8,616   |                         |  |
| 13 East North Central.....               | 199                          | 12,060                                     | 3,680  | 207,093                                | 203,310 | 185,761           | 114,556 | 71,205  | 52,759        | 43,082  |                         |  |
| 14 Ohio.....                             | 50                           | 3,759                                      | 1,367  | 64,650                                 | 58,464  | 59,076            | 33,734  | 25,342  | 15,305        | 12,956  |                         |  |
| 15 Indiana.....                          | 28                           | 1,596                                      | 417    | 21,438                                 | 22,456  | 19,831            | 13,678  | 6,153   | 6,338         | 4,374   |                         |  |
| 16 Illinois.....                         | 62                           | 3,767                                      | 1,073  | 71,857                                 | 67,218  | 60,227            | 37,790  | 22,437  | 15,940        | 14,019  |                         |  |
| 17 Michigan.....                         | 32                           | 1,903                                      | 533    | 32,391                                 | 38,089  | 31,454            | 19,566  | 11,888  | 10,091        | 7,864   |                         |  |
| 18 Wisconsin.....                        | 18                           | 1,035                                      | 300    | 16,757                                 | 17,086  | 15,179            | 9,788   | 5,385   | 5,085         | 3,869   |                         |  |
| 19 W. North Central.....                 | 197                          | 7,938                                      | 2,971  | 105,088                                | 111,679 | 103,280           | 61,806  | 41,654  | 32,562        | 27,288  |                         |  |
| 20 Minnesota.....                        | 30                           | 1,531                                      | 595    | 21,263                                 | 23,138  | 22,636            | 13,238  | 9,398   | 6,946         | 5,787   |                         |  |
| 21 Iowa.....                             | 53                           | 1,716                                      | 676    | 20,848                                 | 21,707  | 20,432            | 12,326  | 8,106   | 7,424         | 5,892   |                         |  |
| 22 Missouri.....                         | 45                           | 2,262                                      | 667    | 23,990                                 | 28,169  | 24,564            | 15,064  | 9,500   | 6,531         | 5,748   |                         |  |
| 23 North Dakota.....                     | 5                            | 382                                        | 95     | 4,006                                  | 4,147   | 3,850             | 2,441   | 1,419   | 1,233         | 777     |                         |  |
| 24 South Dakota.....                     | 11                           | 318                                        | 131    | 4,134                                  | 4,371   | 3,474             | 2,032   | 1,442   | 1,263         | 1,145   |                         |  |
| 25 Nebraska.....                         | 17                           | 661                                        | 278    | 13,245                                 | 12,261  | 10,987            | 6,533   | 4,454   | 2,980         | 2,492   |                         |  |
| 26 Kansas.....                           | 36                           | 1,066                                      | 529    | 17,532                                 | 17,879  | 17,307            | 9,972   | 7,335   | 6,195         | 5,477   |                         |  |
| 27 South Atlantic.....                   | 178                          | 8,322                                      | 3,228  | 97,066                                 | 102,485 | 95,987            | 60,014  | 35,973  | 31,109        | 23,163  |                         |  |
| 28 Delaware.....                         | 2                            | 108                                        | 34     | 711                                    | 804     | 827               | 492     | 335     | 310           | 224     |                         |  |
| 29 Maryland.....                         | 20                           | 1,338                                      | 357    | 13,813                                 | 14,129  | 12,671            | 9,600   | 2,971   | 2,810         | 2,470   |                         |  |
| 30 Dist. of Col.....                     | 13                           | 1,083                                      | 173    | 15,202                                 | 16,620  | 13,868            | 9,857   | 4,011   | 3,870         | 2,752   |                         |  |
| 31 Virginia.....                         | 31                           | 1,472                                      | 623    | 14,566                                 | 17,021  | 15,037            | 10,084  | 4,953   | 5,888         | 3,867   |                         |  |
| 32 West Virginia.....                    | 12                           | 473                                        | 180    | 6,433                                  | 5,791   | 6,673             | 3,789   | 2,884   | 2,691         | 1,777   |                         |  |
| 33 North Carolina.....                   | 37                           | 1,321                                      | 610    | 16,311                                 | 17,862  | 17,055            | 10,186  | 6,866   | 6,675         | 6,003   |                         |  |
| 34 South Carolina.....                   | 20                           | 711                                        | 370    | 10,326                                 | 10,226  | 9,391             | 4,852   | 4,539   | 2,947         | 3,920   |                         |  |
| 35 Georgia.....                          | 35                           | 1,085                                      | 604    | 13,846                                 | 13,463  | 14,251            | 7,717   | 6,534   | 4,376         | 5,221   |                         |  |
| 36 Florida.....                          | 9                            | 526                                        | 277    | 5,857                                  | 6,569   | 6,314             | 3,437   | 2,877   | 1,544         | 1,849   |                         |  |
| 37 East South Central.....               | 99                           | 2,964                                      | 1,617  | 42,180                                 | 48,155  | 44,338            | 24,410  | 19,928  | 13,873        | 16,039  |                         |  |
| 38 Kentucky.....                         | 30                           | 804                                        | 421    | 10,200                                 | 11,941  | 12,272            | 6,440   | 5,832   | 3,940         | 5,003   |                         |  |
| 39 Tennessee.....                        | 32                           | 1,002                                      | 474    | 14,552                                 | 15,393  | 14,719            | 7,981   | 6,738   | 4,781         | 4,833   |                         |  |
| 40 Alabama.....                          | 13                           | 666                                        | 319    | 9,842                                  | 11,273  | 10,694            | 6,684   | 4,010   | 3,079         | 2,832   |                         |  |
| 41 Mississippi.....                      | 24                           | 492                                        | 403    | 7,566                                  | 7,548   | 6,653             | 3,305   | 3,348   | 2,073         | 3,231   |                         |  |
| 42 West South Central.....               | 127                          | 4,557                                      | 2,091  | 67,448                                 | 72,088  | 72,912            | 41,555  | 31,357  | 24,862        | 24,830  |                         |  |
| 43 Arkansas.....                         | 18                           | 447                                        | 237    | 5,325                                  | 6,432   | 6,679             | 3,935   | 2,644   | 3,103         | 2,326   |                         |  |
| 44 Louisiana.....                        | 13                           | 680                                        | 377    | 9,400                                  | 11,168  | 12,322            | 7,580   | 4,742   | 3,942         | 2,887   |                         |  |
| 45 Oklahoma.....                         | 21                           | 907                                        | 421    | 14,589                                 | 16,985  | 16,364            | 9,150   | 7,204   | 4,283         | 4,791   |                         |  |
| 46 Texas.....                            | 75                           | 2,223                                      | 1,056  | 38,134                                 | 37,513  | 37,657            | 20,890  | 16,767  | 13,534        | 14,827  |                         |  |
| 47 Mountain.....                         | 42                           | 2,268                                      | 712    | 28,765                                 | 33,361  | 33,540            | 20,281  | 13,259  | 10,580        | 8,496   |                         |  |
| 48 Montana.....                          | 6                            | 241                                        | 78     | 3,203                                  | 3,630   | 3,552             | 2,187   | 1,365   | 1,056         | 848     |                         |  |
| 49 Idaho.....                            | 5                            | 286                                        | 81     | 2,971                                  | 3,802   | 3,962             | 2,459   | 1,503   | 1,326         | 1,139   |                         |  |
| 50 Wyoming.....                          | 1                            | 136                                        | 49     | 1,177                                  | 1,402   | 1,191             | 716     | 475     | 364           | 196     |                         |  |
| 51 Colorado.....                         | 13                           | 721                                        | 212    | 8,835                                  | 10,265  | 9,479             | 5,698   | 3,781   | 2,203         | 2,554   |                         |  |
| 52 New Mexico.....                       | 4                            | 195                                        | 43     | 1,874                                  | 2,068   | 2,087             | 1,278   | 809     | 604           | 241     |                         |  |
| 53 Arizona.....                          | 3                            | 193                                        | 53     | 2,743                                  | 2,943   | 3,157             | 1,872   | 1,285   | 1,196         | 803     |                         |  |
| 54 Utah.....                             | 9                            | 394                                        | 176    | 6,916                                  | 8,199   | 9,122             | 5,500   | 3,622   | 3,510         | 2,360   |                         |  |
| 55 Nevada.....                           | 1                            | 92                                         | 20     | 1,046                                  | 1,052   | 990               | 571     | 419     | 321           | 338     |                         |  |
| 56 Pacific.....                          | 104                          | 6,278                                      | 1,871  | 54,191                                 | 69,098  | 94,150            | 55,448  | 38,702  | 34,744        | 30,277  |                         |  |
| 57 Washington.....                       | 14                           | 841                                        | 233    | 15,127                                 | 15,049  | 14,607            | 9,041   | 5,569   | 4,589         | 4,352   |                         |  |
| 58 Oregon.....                           | 13                           | 566                                        | 169    | 9,747                                  | 9,473   | 8,073             | 4,768   | 3,305   | 1,814         | 1,454   |                         |  |
| 59 California.....                       | 77                           | 4,871                                      | 1,472  | 59,317                                 | 74,574  | 71,470            | 41,639  | 29,831  | 28,391        | 24,471  |                         |  |
| 60 Alaska.....                           | 1                            | 16                                         | 7      | 86                                     | 144     | 153               | 89      | 64      | 29            | 25      |                         |  |
| 61 Hawaii.....                           | 1                            | 136                                        | 62     | 965                                    | 2,017   | 1,601             | 806     | 795     | 513           | 433     |                         |  |
| 62 Philippine Islands <sup>2</sup> ..... | 1                            | 1                                          | 1      | 6,648                                  | 207     |                   |         |         |               |         |                         |  |
| 63 Puerto Rico.....                      | 1                            | 121                                        | 70     | 1,484                                  | 1,631   | 1,788             | 936     | 852     | 304           | 145     |                         |  |

<sup>1</sup> Includes professional in all departments.<sup>2</sup> Includes special and unclassified students not shown separately.

## COLLEGES) AND PROFESSIONAL SCHOOLS: BY STATES

the regular force. Enrollment covers regular session only. For summer school students, see table 126

| Students of college grade—Continued |        |                      |        |          |        | Preparatory students, 1934 |        | Graduates receiving baccalaureate and first professional degrees, 1934 |        | Total receipts, exclusive of additions to endowments (thousands of dollars) |         |    |
|-------------------------------------|--------|----------------------|--------|----------|--------|----------------------------|--------|------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------|---------|----|
| Arts and sciences, 1934—Con.        |        | Professional, 1934 1 |        |          |        |                            |        |                                                                        |        |                                                                             |         |    |
| Graduate                            |        | Undergraduate        |        | Graduate |        |                            |        |                                                                        |        |                                                                             |         |    |
| Male                                | Female | Male                 | Female | Male     | Female | Male                       | Female | Male                                                                   | Female | 1932                                                                        | 1934    |    |
| 23,292                              | 15,404 | 240,788              | 81,847 | 21,404   | 9,872  | 13,888                     | 9,600  | 78,786                                                                 | 43,087 | 583,632                                                                     | 484,528 | 1  |
| 2,606                               | 1,111  | 19,606               | 3,894  | 2,257    | 341    | 686                        | 294    | 7,834                                                                  | 3,154  | 73,615                                                                      | 65,224  | 2  |
| 25                                  | 23     | 772                  | 126    | 26       | 8      | 4                          | 4      | 468                                                                    | 166    | 2,038                                                                       | 2,864   | 3  |
| 41                                  | 19     | 629                  | 92     | 15       | 1      | 81                         | 41     | 681                                                                    | 96     | 3,957                                                                       | 4,042   | 4  |
| 25                                  | 27     | 451                  | 80     | 3        | 1      | 1                          | 1      | 279                                                                    | 149    | 2,165                                                                       | 2,504   | 5  |
| 1,623                               | 952    | 15,897               | 3,061  | 2,065    | 308    | 604                        | 249    | 4,782                                                                  | 2,358  | 42,399                                                                      | 37,022  | 6  |
| 230                                 | 88     | 588                  | 209    | 18       | 8      | 1                          | 1      | 499                                                                    | 163    | 2,645                                                                       | 2,874   | 7  |
| 602                                 | 2      | 1,268                | 325    | 140      | 15     | 1                          | 1      | 1,125                                                                  | 232    | 19,811                                                                      | 15,918  | 8  |
| 5,720                               | 3,846  | 98,705               | 23,120 | 7,908    | 5,223  | 1,572                      | 842    | 19,679                                                                 | 9,683  | 131,929                                                                     | 117,438 | 9  |
| 3,652                               | 2,606  | 44,250               | 15,917 | 5,730    | 4,327  | 705                        | 479    | 11,523                                                                 | 6,044  | 79,327                                                                      | 67,578  | 10 |
| 435                                 | 30     | 3,732                | 77     | 160      | 1      | 70                         | 57     | 1,293                                                                  | 499    | 11,159                                                                      | 9,630   | 11 |
| 1,633                               | 1,210  | 20,714               | 7,126  | 2,016    | 895    | 797                        | 306    | 6,863                                                                  | 3,120  | 40,843                                                                      | 40,230  | 12 |
| 5,977                               | 3,841  | 52,754               | 21,443 | 4,929    | 1,527  | 3,279                      | 2,142  | 18,087                                                                 | 9,264  | 107,813                                                                     | 90,380  | 13 |
| 1,458                               | 736    | 16,698               | 11,109 | 1,903    | 203    | 813                        | 156    | 4,569                                                                  | 3,127  | 28,580                                                                      | 23,683  | 14 |
| 522                                 | 240    | 6,628                | 1,423  | 81       | 37     | 323                        | 560    | 2,384                                                                  | 1,177  | 15,624                                                                      | 13,292  | 15 |
| 2,419                               | 1,774  | 17,380               | 5,033  | 1,912    | 788    | 1,374                      | 719    | 4,900                                                                  | 2,801  | 32,384                                                                      | 28,526  | 16 |
| 953                                 | 749    | 7,959                | 2,784  | 751      | 412    | 393                        | 686    | 2,735                                                                  | 1,468  | 17,786                                                                      | 14,846  | 17 |
| 625                                 | 342    | 4,089                | 1,094  | 282      | 87     | 376                        | 21     | 1,499                                                                  | 891    | 12,539                                                                      | 10,034  | 18 |
| 2,386                               | 1,559  | 24,369               | 10,725 | 1,683    | 687    | 2,884                      | 1,208  | 8,165                                                                  | 4,894  | 60,971                                                                      | 50,794  | 19 |
| 300                                 | 334    | 5,306                | 3,202  | 881      | 222    | 1,096                      | 318    | 1,656                                                                  | 1,093  | 13,618                                                                      | 13,800  | 20 |
| 3,652                               | 433    | 3,802                | 1,683  | 200      | 69     | 608                        | 159    | 1,739                                                                  | 948    | 13,164                                                                      | 11,602  | 21 |
| 564                                 | 364    | 6,741                | 1,744  | 316      | 267    | 593                        | 336    | 1,873                                                                  | 856    | 15,194                                                                      | 11,175  | 22 |
| 55                                  | 36     | 1,109                | 501    | 13       | 7      | 1                          | 1      | 385                                                                    | 200    | 2,416                                                                       | 1,323   | 23 |
| 49                                  | 26     | 666                  | 165    | 13       | 2      | 24                         | 54     | 330                                                                    | 176    | 2,449                                                                       | 1,772   | 24 |
| 235                                 | 175    | 3,194                | 1,681  | 141      | 43     | 478                        | 128    | 1,012                                                                  | 569    | 6,245                                                                       | 4,773   | 25 |
| 307                                 | 191    | 3,611                | 1,749  | 119      | 77     | 85                         | 213    | 1,190                                                                  | 852    | 7,885                                                                       | 6,339   | 26 |
| 2,359                               | 993    | 25,899               | 5,871  | 942      | 246    | 1,280                      | 1,313  | 8,998                                                                  | 5,356  | 64,651                                                                      | 53,209  | 27 |
| 6                                   | 1      | 175                  | 110    | 1        | 1      | 99                         | 118    | 66                                                                     | 55     | 1,053                                                                       | 781     | 28 |
| 553                                 | 20     | 6,276                | 433    | 284      | 21     | 236                        | 20     | 1,454                                                                  | 586    | 12,200                                                                      | 9,244   | 29 |
| 853                                 | 484    | 4,879                | 621    | 259      | 154    | 63                         | 91     | 1,454                                                                  | 536    | 6,297                                                                       | 4,586   | 30 |
| 280                                 | 91     | 3,795                | 992    | 125      | 8      | 92                         | 156    | 1,533                                                                  | 644    | 11,950                                                                      | 9,910   | 31 |
| 48                                  | 26     | 993                  | 948    | 57       | 34     | 35                         | 82     | 665                                                                    | 443    | 3,464                                                                       | 3,013   | 32 |
| 347                                 | 141    | 3,109                | 299    | 101      | 1      | 205                        | 311    | 1,262                                                                  | 993    | 11,352                                                                      | 9,862   | 33 |
| 38                                  | 52     | 1,785                | 295    | 15       | 6      | 26                         | 50     | 822                                                                    | 787    | 5,106                                                                       | 4,090   | 34 |
| 163                                 | 143    | 3,163                | 1,212  | 38       | 11     | 477                        | 387    | 1,379                                                                  | 916    | 9,032                                                                       | 7,123   | 35 |
| 71                                  | 36     | 1,754                | 961    | 62       | 17     | 47                         | 92     | 463                                                                    | 396    | 5,197                                                                       | 4,600   | 36 |
| 454                                 | 358    | 9,610                | 2,751  | 268      | 56     | 1,401                      | 1,534  | 3,481                                                                  | 2,186  | 25,270                                                                      | 20,590  | 37 |
| 149                                 | 135    | 2,213                | 568    | 153      | 31     | 834                        | 895    | 831                                                                    | 502    | 6,144                                                                       | 5,541   | 38 |
| 198                                 | 112    | 2,899                | 1,460  | 17       | 2      | 316                        | 334    | 1,333                                                                  | 671    | 11,333                                                                      | 7,569   | 39 |
| 69                                  | 78     | 3,315                | 651    | 66       | 20     | 142                        | 86     | 848                                                                    | 616    | 4,348                                                                       | 4,102   | 40 |
| 38                                  | 33     | 1,183                | 82     | 27       | 3      | 109                        | 219    | 469                                                                    | 397    | 3,445                                                                       | 3,378   | 41 |
| 857                                 | 733    | 15,001               | 5,108  | 630      | 284    | 1,071                      | 1,333  | 4,453                                                                  | 3,507  | 38,838                                                                      | 30,765  | 42 |
| 12                                  | 13     | 845                  | 261    | 7        | 10     | 165                        | 166    | 342                                                                    | 230    | 2,976                                                                       | 2,571   | 43 |
| 143                                 | 132    | 3,266                | 1,618  | 272      | 168    | 106                        | 159    | 1,009                                                                  | 668    | 6,962                                                                       | 5,159   | 44 |
| 201                                 | 219    | 4,332                | 1,983  | 232      | 85     | 967                        | 816    | 991                                                                    | 825    | 6,565                                                                       | 5,364   | 45 |
| 501                                 | 369    | 6,558                | 1,246  | 119      | 1      | 433                        | 692    | 2,111                                                                  | 1,794  | 20,557                                                                      | 17,671  | 46 |
| 628                                 | 619    | 8,555                | 3,846  | 406      | 147    | 590                        | 544    | 2,801                                                                  | 1,374  | 17,883                                                                      | 14,248  | 47 |
| 37                                  | 35     | 1,014                | 400    | 50       | 24     | 42                         | 35     | 237                                                                    | 163    | 1,997                                                                       | 1,578   | 48 |
| 45                                  | 27     | 1,033                | 306    | 55       | 20     | 38                         | 22     | 247                                                                    | 137    | 2,130                                                                       | 1,662   | 49 |
| 13                                  | 15     | 323                  | 254    | 16       | 10     | 43                         | 216    | 101                                                                    | 58     | 1,246                                                                       | 880     | 50 |
| 220                                 | 251    | 3,204                | 1,062  | 202      | 43     | 42                         | 216    | 693                                                                    | 438    | 5,713                                                                       | 4,652   | 51 |
| 49                                  | 83     | 593                  | 428    | 2        | 1      | 209                        | 143    | 92                                                                     | 1,467  | 1,189                                                                       | 1,529   | 52 |
| 55                                  | 55     | 574                  | 389    | 47       | 38     | 22                         | 23     | 145                                                                    | 114    | 1,817                                                                       | 1,408   | 53 |
| 176                                 | 113    | 1,602                | 967    | 29       | 11     | 237                        | 248    | 540                                                                    | 311    | 2,882                                                                       | 2,259   | 54 |
| 33                                  | 40     | 212                  | 40     | 5        | 1      | 1                          | 1      | 95                                                                     | 61     | 631                                                                         | 620     | 55 |
| 2,325                               | 2,344  | 18,288               | 5,089  | 2,388    | 1,181  | 926                        | 290    | 5,888                                                                  | 3,869  | 45,492                                                                      | 41,889  | 56 |
| 344                                 | 318    | 3,925                | 845    | 316      | 76     | 455                        | 93     | 1,172                                                                  | 749    | 6,034                                                                       | 4,587   | 57 |
| 105                                 | 55     | 2,765                | 1,764  | 99       | 74     | 206                        | 1      | 693                                                                    | 433    | 4,557                                                                       | 3,716   | 58 |
| 1,870                               | 1,971  | 9,598                | 2,490  | 1,078    | 1,032  | 255                        | 197    | 4,023                                                                  | 2,687  | 34,871                                                                      | 33,586  | 59 |
| 37                                  | 21     | 225                  | 278    | 31       | 63     | 1                          | 1      | 13                                                                     | 7      | 196                                                                         | 162     | 60 |
| 9                                   | 6      | 628                  | 701    | 1        | 1      | 1                          | 1      | 103                                                                    | 152    | 811                                                                         | 648     | 61 |
| 1                                   | 1      | 1                    | 1      | 1        | 1      | 1                          | 1      | 787                                                                    | 1      | 1                                                                           | 1       | 62 |
| 1                                   | 1      | 1                    | 1      | 1        | 1      | 1                          | 1      | 116                                                                    | 89     | 33                                                                          | 952     | 63 |

1 No report for 1934.

Source: Office of Education, Department of the Interior.

# No. 123.—STUDENTS ENROLLED IN PROFESSIONAL SCHOOLS, BOTH INDEPENDENT AND UNIVERSITY SCHOOLS, INCLUDING TEACHER-TRAINING INSTITUTIONS, 1934

NOTE.—Students pursuing courses in professions other than those shown in the table are as follows: Architecture, 3,742; fine arts, 3,060; forestry, 2,175; journalism, 2,357; library science, 969; music, 9,677; veterinary medicine, 1,409; all other, 19,083. For total students classified as professional in universities, colleges, and professional schools, see table 122. There are also some professional students in arts and science courses, which are not included in this table

| Division and State or outlying area | Agriculture | Commerce and business | Dentistry | Education | Engineering | Home economics | Law     | Medicine | Nursing | Pharmacy | Theology |
|-------------------------------------|-------------|-----------------------|-----------|-----------|-------------|----------------|---------|----------|---------|----------|----------|
| Continental U. S....                | 13, 377     | 84, 895               | 7, 564    | 197, 411  | 65, 406     | 10, 435        | 36, 445 | 24, 741  | 6, 330  | 7, 813   | 11, 477  |
| New England.....                    | 594         | 5, 593                | 414       | 9, 888    | 6, 113      | 469            | 4, 669  | 1, 881   | 111     | 530      | 1, 472   |
| Maine.....                          | 134         | ---                   | ---       | 1, 112    | 455         | 111            | ---     | ---      | ---     | ---      | 52       |
| New Hampshire.....                  | 89          | 87                    | ---       | 658       | 373         | 86             | ---     | 41       | ---     | ---      | ---      |
| Vermont.....                        | 45          | ---                   | ---       | 185       | 249         | 71             | ---     | 170      | ---     | ---      | ---      |
| Massachusetts.....                  | 187         | 5, 294                | 414       | 6, 126    | 4, 624      | 40             | 4, 320  | 1, 256   | ---     | 340      | 1, 097   |
| Rhode Island.....                   | 69          | 212                   | ---       | 564       | 265         | 161            | ---     | ---      | ---     | 90       | ---      |
| Connecticut.....                    | ---         | ---                   | ---       | 1, 243    | 147         | ---            | 339     | 214      | 111     | 100      | 323      |
| Middle Atlantic.....                | 2, 135      | 25, 599               | 1, 835    | 45, 205   | 18, 408     | 1, 772         | 9, 449  | 5, 425   | 522     | 2, 598   | 3, 183   |
| New York.....                       | 1, 435      | 19, 096               | 909       | 27, 743   | 8, 784      | 1, 158         | 7, 540  | 2, 894   | 220     | 1, 547   | 1, 606   |
| New Jersey.....                     | 213         | 212                   | ---       | 3, 396    | 1, 998      | ---            | 859     | ---      | ---     | 288      | 465      |
| Pennsylvania.....                   | 487         | 5, 421                | 1, 026    | 17, 061   | 5, 626      | 614            | 1, 814  | 2, 531   | 302     | 763      | 1, 094   |
| East North Central.....             | 2, 231      | 17, 242               | 1, 728    | 37, 783   | 14, 256     | 2, 197         | 7, 533  | 5, 639   | 2, 000  | 1, 611   | 2, 409   |
| Ohio.....                           | 683         | 6, 974                | 305       | 9, 551    | 4, 250      | 803            | 1, 446  | 991      | 535     | 404      | 621      |
| Indiana.....                        | 204         | 1, 295                | 152       | 4, 502    | 2, 744      | 366            | 790     | 479      | 192     | 280      | 79       |
| Illinois.....                       | 526         | 7, 474                | 831       | 8, 666    | 2, 255      | 310            | 3, 240  | 2, 457   | 997     | 370      | 1, 394   |
| Michigan.....                       | 273         | 875                   | 271       | 7, 225    | 3, 668      | 402            | 1, 393  | 929      | 199     | 467      | 45       |
| Wisconsin.....                      | 465         | 624                   | 169       | 7, 838    | 1, 339      | 316            | 661     | 676      | 77      | ---      | 270      |
| West North Central.....             | 2, 387      | 3, 171                | 1, 140    | 25, 985   | 6, 763      | 2, 398         | 3, 154  | 3, 502   | 1, 597  | 850      | 1, 661   |
| Minnesota.....                      | 448         | 526                   | 221       | 5, 708    | 1, 801      | 469            | 559     | 1, 045   | 670     | 153      | 382      |
| Iowa.....                           | 693         | 277                   | 151       | 2, 040    | 1, 541      | 830            | 321     | 356      | 210     | 135      | 105      |
| Missouri.....                       | 460         | 564                   | 595       | 5, 333    | 968         | 149            | 1, 323  | 996      | 339     | 195      | 840      |
| North Dakota.....                   | 127         | 90                    | ---       | 3, 008    | 441         | ---            | 86      | 68       | ---     | 85       | ---      |
| South Dakota.....                   | 104         | 23                    | ---       | 1, 222    | 323         | 104            | 78      | 56       | ---     | 65       | ---      |
| Nebraska.....                       | 245         | 1, 024                | 173       | 3, 785    | 549         | 213            | 511     | 656      | 282     | 166      | 62       |
| Kansas.....                         | 350         | 662                   | ---       | 3, 293    | 1, 150      | 438            | 276     | 326      | 96      | 52       | 272      |
| South Atlantic.....                 | 1, 479      | 2, 490                | 1, 028    | 18, 228   | 5, 810      | 820            | 4, 809  | 3, 453   | 592     | 722      | 1, 049   |
| Delaware.....                       | 26          | ---                   | ---       | 46        | 150         | 65             | ---     | ---      | ---     | ---      | ---      |
| Maryland.....                       | 226         | 100                   | 377       | 2, 985    | 670         | 121            | 199     | 756      | 124     | 329      | 225      |
| Dist. of Columbia.....              | ---         | 117                   | 251       | 1, 191    | 499         | ---            | 2, 980  | 1, 048   | ---     | 44       | 123      |
| Virginia.....                       | 341         | 364                   | 126       | 3, 709    | 1, 199      | 148            | 445     | 602      | 261     | 127      | 246      |
| West Virginia.....                  | 126         | ---                   | ---       | 3, 420    | 354         | 138            | 148     | 132      | ---     | 30       | ---      |
| North Carolina.....                 | 142         | 877                   | ---       | 4, 150    | 830         | ---            | 287     | 375      | 90      | 87       | 145      |
| South Carolina.....                 | 313         | 252                   | ---       | 184       | 511         | ---            | 99      | 162      | 117     | 67       | 30       |
| Georgia.....                        | 103         | 96                    | 272       | 1, 594    | 1, 309      | 161            | 339     | 378      | ---     | 26       | 214      |
| Florida.....                        | 202         | 645                   | ---       | 950       | 388         | 187            | 312     | ---      | ---     | 12       | ---      |
| East South Central.....             | 795         | 2, 067                | 261       | 15, 797   | 2, 530      | 685            | 1, 313  | 1, 315   | 325     | 201      | 439      |
| Kentucky.....                       | 133         | 398                   | 125       | 6, 082    | 486         | 99             | 365     | 347      | ---     | 65       | 337      |
| Tennessee.....                      | 263         | 294                   | 136       | 5, 478    | 486         | 366            | 594     | 796      | 325     | 55       | 102      |
| Alabama.....                        | 90          | 630                   | ---       | 3, 115    | 1, 245      | 188            | 264     | 123      | ---     | 45       | ---      |
| Mississippi.....                    | 309         | 436                   | ---       | 1, 032    | 313         | 32             | 95      | 49       | ---     | 35       | ---      |
| West South Central.....             | 1, 594      | 2, 751                | 299       | 18, 584   | 5, 564      | 792            | 1, 807  | 2, 014   | 550     | 274      | 625      |
| Arkansas.....                       | 101         | 99                    | ---       | 1, 182    | 210         | 126            | 177     | 200      | ---     | ---      | 30       |
| Louisiana.....                      | 272         | 623                   | 148       | 2, 533    | 809         | 166            | 310     | 857      | 95      | 82       | ---      |
| Oklahoma.....                       | 370         | 1, 539                | ---       | 8, 008    | 1, 604      | 269            | 311     | 243      | 79      | 106      | 194      |
| Texas.....                          | 851         | 490                   | 151       | 6, 841    | 2, 931      | 241            | 1, 009  | 714      | 376     | 86       | 401      |
| Mountain.....                       | 1, 098      | 1, 983                | ---       | 7, 844    | 3, 754      | 775            | 641     | 330      | 46      | 220      | 50       |
| Montana.....                        | 97          | 265                   | ---       | 935       | 525         | 125            | 71      | ---      | ---     | 60       | ---      |
| Idaho.....                          | 178         | 206                   | ---       | 1, 087    | 266         | ---            | 55      | ---      | ---     | 100      | ---      |
| Wyoming.....                        | 83          | ---                   | ---       | 202       | 137         | 47             | 44      | ---      | ---     | ---      | ---      |
| Colorado.....                       | 181         | 556                   | ---       | 1, 968    | 1, 472      | 223            | 261     | 210      | 46      | 60       | 50       |
| New Mexico.....                     | 87          | 60                    | ---       | 951       | 376         | 52             | ---     | ---      | ---     | ---      | ---      |
| Arizona.....                        | 85          | ---                   | ---       | 1, 815    | 284         | 67             | 118     | ---      | ---     | ---      | ---      |
| Utah.....                           | 362         | 496                   | ---       | 596       | 501         | 221            | 92      | 120      | ---     | ---      | ---      |
| Nevada.....                         | 25          | ---                   | ---       | 193       | 40          | ---            | ---     | ---      | ---     | ---      | ---      |
| Pacific.....                        | 1, 164      | 4, 129                | 751       | 15, 398   | 4, 118      | 589            | 3, 075  | 1, 439   | 587     | 807      | 609      |
| Washington.....                     | 274         | 1, 346                | ---       | 2, 180    | 1, 582      | 219            | 497     | ---      | ---     | 259      | ---      |
| Oregon.....                         | 203         | 544                   | 201       | 1, 477    | 464         | 370            | 295     | 252      | 411     | 168      | 160      |
| California.....                     | 677         | 2, 239                | 550       | 11, 741   | 2, 072      | ---            | 2, 283  | 1, 237   | 176     | 390      | 449      |
| Alaska.....                         | 7           | 39                    | ---       | 4         | 44          | 5              | ---     | ---      | ---     | ---      | ---      |
| Hawaii.....                         | 74          | ---                   | ---       | 338       | 72          | 61             | ---     | ---      | ---     | ---      | ---      |
| Philippine Islands.....             | ---         | ---                   | ---       | 1, 657    | ---         | ---            | ---     | ---      | ---     | ---      | ---      |
| Puerto Rico.....                    | 165         | 116                   | ---       | 408       | 189         | 142            | 76      | ---      | ---     | 89       | ---      |

Source: Office of Education, Department of the Interior.

# No. 124.—STUDENTS ENROLLED IN AND GRADUATING FROM CURRICULA PREPARATORY TO TEACHING, IN INSTITUTIONS OF HIGHER EDUCATION

NOTE.—Includes Students Enrolled in Educational Courses in Schools of Arts and Sciences as Well as Students Enrolled in Professional Schools and Teacher-Training Institutions

| Division and State or outlying area | Students in regular session |                                       |                                                               |         |                                       |                                                               | Graduates    |                 |              |                 |
|-------------------------------------|-----------------------------|---------------------------------------|---------------------------------------------------------------|---------|---------------------------------------|---------------------------------------------------------------|--------------|-----------------|--------------|-----------------|
|                                     | 1932                        |                                       |                                                               | 1934    |                                       |                                                               | 1932         |                 | 1934         |                 |
|                                     | Total                       | Teachers' colleges and normal schools | Universities, colleges, and professional schools <sup>1</sup> | Total   | Teachers' colleges and normal schools | Universities, colleges, and professional schools <sup>1</sup> | With degrees | Without degrees | With degrees | Without degrees |
| Continental U. S.....               | 338,514                     | 154,968                               | 183,558                                                       | 287,571 | 128,248                               | 164,325                                                       | 31,306       | 36,607          | 32,227       | 22,328          |
| New England.....                    | 14,588                      | 8,512                                 | 6,076                                                         | 14,129  | 8,107                                 | 6,022                                                         | 1,171        | 2,408           | 1,609        | 1,453           |
| Maine.....                          | 2,043                       | 1,489                                 | 554                                                           | 1,664   | 1,073                                 | 581                                                           | 33           | 628             | 17           | 358             |
| New Hampshire.....                  | 1,394                       | 852                                   | 542                                                           | 1,025   | 658                                   | 367                                                           | 51           | 208             | 45           | 148             |
| Vermont.....                        | 1,131                       | 283                                   | 848                                                           | 865     | 185                                   | 480                                                           | ---          | 171             | ---          | 30              |
| Massachusetts.....                  | 7,933                       | 4,129                                 | 3,804                                                         | 8,683   | 4,405                                 | 4,218                                                         | 838          | 996             | 1,217        | 678             |
| Rhode Island.....                   | 666                         | 606                                   | 60                                                            | 765     | 545                                   | 220                                                           | 195          | ---             | 189          | ---             |
| Connecticut.....                    | 1,421                       | 1,153                                 | 268                                                           | 1,337   | 1,181                                 | 156                                                           | 54           | 401             | 161          | 239             |
| Middle Atlantic.....                | 73,309                      | 28,817                                | 44,592                                                        | 64,789  | 21,369                                | 43,420                                                        | 7,930        | 8,718           | 8,719        | 3,981           |
| New York.....                       | 44,362                      | 11,523                                | 32,839                                                        | 38,293  | 8,325                                 | 29,968                                                        | 4,984        | 2,601           | 4,919        | 1,740           |
| New Jersey.....                     | 4,103                       | 3,487                                 | 616                                                           | 4,521   | 3,293                                 | 1,228                                                         | 560          | 506             | 616          | 882             |
| Pennsylvania.....                   | 24,844                      | 11,807                                | 13,037                                                        | 21,975  | 9,751                                 | 12,224                                                        | 2,377        | 2,611           | 3,184        | 1,339           |
| East North Central.....             | 64,494                      | 31,888                                | 32,606                                                        | 53,549  | 21,038                                | 32,511                                                        | 6,814        | 7,647           | 6,504        | 4,430           |
| Ohio.....                           | 10,895                      | 2,591                                 | 14,304                                                        | 16,011  | 250                                   | 15,761                                                        | 1,753        | 1,880           | 1,728        | 967             |
| Indiana.....                        | 8,893                       | 4,457                                 | 4,436                                                         | 7,771   | 3,600                                 | 4,171                                                         | 890          | 847             | 812          | 789             |
| Illinois.....                       | 16,188                      | 9,269                                 | 6,919                                                         | 11,678  | 6,022                                 | 5,556                                                         | 1,184        | 1,328           | 1,151        | 807             |
| Michigan.....                       | 11,456                      | 7,419                                 | 4,037                                                         | 8,535   | 4,636                                 | 3,899                                                         | 1,780        | 1,962           | 1,545        | 746             |
| Wisconsin.....                      | 11,062                      | 8,152                                 | 2,910                                                         | 9,654   | 6,530                                 | 3,124                                                         | 1,207        | 1,030           | 1,268        | 1,121           |
| West North Central.....             | 46,134                      | 23,687                                | 22,447                                                        | 38,983  | 19,150                                | 19,843                                                        | 4,236        | 7,808           | 3,829        | 4,948           |
| Minnesota.....                      | 9,001                       | 4,172                                 | 4,829                                                         | 8,084   | 3,665                                 | 5,019                                                         | 736          | 1,303           | 731          | 1,053           |
| Iowa.....                           | 5,347                       | 2,407                                 | 2,940                                                         | 5,300   | 1,736                                 | 3,564                                                         | 366          | 997             | 292          | 678             |
| Missouri.....                       | 11,191                      | 7,370                                 | 3,821                                                         | 7,757   | 4,956                                 | 2,801                                                         | 1,342        | 1,459           | 1,250        | 614             |
| North Dakota.....                   | 3,420                       | 2,506                                 | 923                                                           | 2,909   | 2,310                                 | 590                                                           | 320          | 1,313           | 305          | 497             |
| South Dakota.....                   | 3,026                       | 1,382                                 | 1,644                                                         | 2,430   | 1,084                                 | 1,346                                                         | 69           | 1,101           | 75           | 720             |
| Nebraska.....                       | 7,494                       | 2,480                                 | 5,005                                                         | 5,425   | 2,508                                 | 2,827                                                         | 618          | 685             | 541          | 438             |
| Kansas.....                         | 6,646                       | 3,361                                 | 3,285                                                         | 6,488   | 2,792                                 | 3,696                                                         | 785          | 950             | 635          | 948             |
| South Atlantic.....                 | 37,065                      | 13,486                                | 23,579                                                        | 30,240  | 11,013                                | 19,227                                                        | 1,856        | 3,539           | 2,215        | 2,933           |
| Delaware.....                       | 304                         | ---                                   | 304                                                           | 307     | ---                                   | 307                                                           | 6            | 27              | 12           | 7               |
| Maryland.....                       | 2,975                       | 1,034                                 | 1,941                                                         | 1,690   | 790                                   | 900                                                           | 118          | 442             | 117          | 340             |
| Dist. of Col.....                   | 2,027                       | 750                                   | 1,277                                                         | 2,387   | 676                                   | 1,711                                                         | 123          | 42              | 109          | 7               |
| Virginia.....                       | 5,890                       | 2,992                                 | 2,907                                                         | 4,752   | 2,816                                 | 1,936                                                         | 392          | 840             | 459          | 921             |
| West Virginia.....                  | 6,597                       | 4,743                                 | 1,854                                                         | 4,721   | 2,289                                 | 2,432                                                         | 403          | 770             | 485          | 234             |
| North Carolina.....                 | 8,803                       | 3,384                                 | 5,419                                                         | 7,773   | 3,972                                 | 3,801                                                         | 404          | 653             | 401          | 783             |
| South Carolina.....                 | 3,070                       | ---                                   | 3,070                                                         | 2,869   | ---                                   | 2,869                                                         | 31           | 32              | 58           | 5               |
| Georgia.....                        | 4,017                       | 883                                   | 4,334                                                         | 3,397   | 470                                   | 2,927                                                         | 189          | 451             | 248          | 307             |
| Florida.....                        | 2,473                       | ---                                   | 2,473                                                         | 2,344   | ---                                   | 2,344                                                         | 190          | 282             | 206          | 329             |
| East South Central.....             | 31,182                      | 15,190                                | 15,992                                                        | 25,377  | 13,990                                | 11,387                                                        | 2,094        | 1,978           | 2,003        | 1,515           |
| Kentucky.....                       | 10,162                      | 6,422                                 | 3,740                                                         | 9,492   | 5,334                                 | 4,158                                                         | 576          | 1,057           | 678          | 976             |
| Tennessee.....                      | 10,874                      | 4,976                                 | 5,898                                                         | 7,087   | 4,557                                 | 2,530                                                         | 929          | 97              | 759          | 99              |
| Alabama.....                        | 6,103                       | 2,528                                 | 3,575                                                         | 6,634   | 3,102                                 | 3,532                                                         | 374          | 735             | 385          | 318             |
| Mississippi.....                    | 4,043                       | 1,284                                 | 2,779                                                         | 2,164   | 997                                   | 1,167                                                         | 215          | 89              | 181          | 122             |
| West South Central.....             | 32,172                      | 17,509                                | 14,663                                                        | 26,493  | 12,998                                | 13,495                                                        | 3,089        | 3,693           | 3,425        | 502             |
| Arkansas.....                       | 2,852                       | 1,070                                 | 1,782                                                         | 2,375   | 979                                   | 1,396                                                         | 206          | 280             | 167          | 85              |
| Louisiana.....                      | 3,404                       | 1,353                                 | 2,051                                                         | 3,601   | 1,303                                 | 2,298                                                         | 323          | 482             | 353          | 277             |
| Oklahoma.....                       | 10,093                      | 7,569                                 | 2,434                                                         | 6,977   | 5,193                                 | 1,784                                                         | 1,261        | 2,128           | 1,411        | 73              |
| Texas.....                          | 15,913                      | 7,517                                 | 8,396                                                         | 13,340  | 5,523                                 | 7,817                                                         | 1,299        | 749             | 1,494        | 1,383           |
| Mountain.....                       | 12,313                      | 6,796                                 | 6,518                                                         | 13,585  | 5,364                                 | 8,221                                                         | 1,191        | 1,815           | 1,352        | 1,334           |
| Montana.....                        | 1,519                       | 919                                   | 600                                                           | 1,673   | 877                                   | 796                                                           | 22           | 333             | 38           | 342             |
| Idaho.....                          | 1,570                       | 561                                   | 1,009                                                         | 2,298   | 638                                   | 1,660                                                         | 123          | 446             | 136          | 328             |
| Wyoming.....                        | 315                         | ---                                   | 315                                                           | 292     | ---                                   | 292                                                           | 36           | 67              | 50           | 43              |
| Colorado.....                       | 3,344                       | 2,279                                 | 1,065                                                         | 3,578   | 1,991                                 | 1,587                                                         | 443          | 307             | 449          | 310             |
| New Mexico.....                     | 1,134                       | 620                                   | 514                                                           | 1,115   | 484                                   | 631                                                           | 125          | 4               | 158          | 9               |
| Arizona.....                        | 1,009                       | 1,416                                 | 583                                                           | 1,884   | 1,374                                 | 510                                                           | 248          | 224             | 350          | 143             |
| Utah.....                           | 2,326                       | ---                                   | 2,326                                                         | 2,488   | ---                                   | 2,488                                                         | 194          | 344             | 171          | 144             |
| Nevada.....                         | 106                         | ---                                   | 106                                                           | 257     | ---                                   | 257                                                           | ---          | ---             | ---          | 15              |
| Pacific.....                        | 27,257                      | 12,072                                | 15,185                                                        | 20,416  | 10,217                                | 10,199                                                        | 2,925        | 2,067           | 2,571        | 1,250           |
| Washington.....                     | 6,178                       | 2,073                                 | 4,105                                                         | 3,408   | 1,568                                 | 1,840                                                         | 370          | 1,218           | 290          | 626             |
| Oregon.....                         | 3,448                       | 1,366                                 | 2,082                                                         | 1,621   | 889                                   | 932                                                           | 121          | 823             | 90           | 430             |
| California.....                     | 17,631                      | 8,633                                 | 8,998                                                         | 15,187  | 7,760                                 | 7,427                                                         | 2,434        | 16              | 2,182        | 194             |
| Alaska.....                         | 19                          | ---                                   | 19                                                            | 26      | ---                                   | 26                                                            | ---          | ---             | ---          | ---             |
| Hawaii.....                         | 569                         | ---                                   | 569                                                           | 293     | ---                                   | 293                                                           | 80           | ---             | 86           | ---             |
| Philippine Is.....                  | 101                         | ---                                   | 101                                                           | 1,657   | ---                                   | 1,657                                                         | ---          | ---             | ---          | 679             |
| Puerto Rico.....                    | 994                         | ---                                   | 994                                                           | 598     | ---                                   | 598                                                           | 58           | 66              | 41           | ---             |

<sup>1</sup> Including junior colleges.

Source: Office of Education, Department of the Interior.



# No. 125.—NORMAL SCHOOLS AND TEACHERS' COLLEGES: NUMBER OF SCHOOLS, TEACHERS, STUDENTS, AND GRADUATES

| Division and State or outlying area | Number, 1934 | Teachers |                   |                   |        | Students <sup>1</sup> |          |         |         | Graduates, 1934  |                        |
|-------------------------------------|--------------|----------|-------------------|-------------------|--------|-----------------------|----------|---------|---------|------------------|------------------------|
|                                     |              | 1930     | 1932 <sup>2</sup> | 1934 <sup>2</sup> |        | 1930                  | 1932     | 1934    |         | With-out degrees | Bacca-laure-ate degree |
|                                     |              |          |                   | Male              | Female |                       |          | Male    | Female  |                  |                        |
| Continental U. S. . . . .           | 252          | 11, 977  | 11, 616           | 4, 322            | 6, 238 | 176, 482              | 164, 384 | 45, 206 | 90, 978 | 16, 749          | 16, 308                |
| New England . . . . .               | 38           | 910      | 1, 047            | 214               | 775    | 8, 351                | 8, 587   | 890     | 7, 242  | 1, 810           | 1, 044                 |
| Maine . . . . .                     | 7            | 110      | 129               | 23                | 91     | 1, 349                | 1, 479   | 241     | 332     | 368              | 368                    |
| New Hampshire . . . . .             | 3            | 85       | 107               | 33                | 59     | 903                   | 852      | 120     | 538     | 148              | 45                     |
| Vermont . . . . .                   | 2            | 10       | 21                | 1                 | 18     | 123                   | 283      | 10      | 175     | 121              | 121                    |
| Massachusetts . . . . .             | 17           | 468      | 420               | 105               | 321    | 4, 072                | 4, 104   | 364     | 4, 064  | 668              | 673                    |
| Rhode Island . . . . .              | 1            | 31       | 102               | 15                | 90     | 609                   | 606      | 48      | 497     | 165              | 165                    |
| Connecticut . . . . .               | 8            | 206      | 262               | 37                | 198    | 1, 295                | 1, 158   | 107     | 1, 136  | 305              | 161                    |
| Middle Atlantic . . . . .           | 48           | 2, 136   | 2, 019            | 623               | 1, 183 | 29, 804               | 27, 080  | 5, 895  | 16, 593 | 4, 115           | 2, 530                 |
| New York . . . . .                  | 18           | 1, 023   | 901               | 229               | 441    | 14, 855               | 11, 786  | 1, 907  | 6, 441  | 1, 550           | 675                    |
| New Jersey . . . . .                | 7            | 262      | 272               | 89                | 175    | 3, 500                | 3, 487   | 745     | 2, 551  | 782              | 306                    |
| Pennsylvania . . . . .              | 18           | 851      | 846               | 308               | 547    | 11, 649               | 11, 807  | 3, 183  | 6, 001  | 1, 783           | 1, 549                 |
| East North Central . . . . .        | 44           | 2, 586   | 2, 281            | 889               | 1, 126 | 35, 613               | 31, 821  | 9, 880  | 14, 089 | 3, 032           | 2, 952                 |
| Ohio . . . . .                      | 1            | 201      | 209               | 6                 | 8      | 2, 335                | 2, 953   | 18      | 234     | 10               | 10                     |
| Indiana . . . . .                   | 4            | 245      | 264               | 166               | 128    | 4, 680                | 4, 537   | 1, 644  | 2, 047  | 418              | 507                    |
| Illinois . . . . .                  | 12           | 722      | 643               | 273               | 396    | 9, 844                | 8, 340   | 2, 938  | 4, 806  | 864              | 570                    |
| Michigan . . . . .                  | 9            | 854      | 617               | 211               | 295    | 11, 753               | 7, 527   | 2, 010  | 2, 768  | 578              | 876                    |
| Wisconsin . . . . .                 | 18           | 504      | 648               | 244               | 299    | 7, 001                | 8, 458   | 3, 382  | 4, 234  | 1, 222           | 980                    |
| West North Central . . . . .        | 34           | 1, 787   | 1, 866            | 746               | 943    | 24, 977               | 26, 490  | 7, 386  | 14, 034 | 4, 288           | 2, 383                 |
| Minnesota . . . . .                 | 8            | 289      | 289               | 116               | 205    | 3, 621                | 4, 172   | 1, 060  | 2, 729  | 1, 044           | 294                    |
| Iowa . . . . .                      | 1            | 194      | 172               | 75                | 85     | 2, 840                | 2, 410   | 562     | 1, 172  | 305              | 243                    |
| Missouri . . . . .                  | 9            | 454      | 464               | 188               | 215    | 7, 468                | 9, 038   | 1, 978  | 3, 606  | 478              | 920                    |
| North Dakota . . . . .              | 5            | 205      | 206               | 77                | 115    | 2, 885                | 2, 764   | 1, 013  | 2, 371  | 966              | 171                    |
| South Dakota . . . . .              | 4            | 168      | 209               | 74                | 86     | 1, 979                | 1, 638   | 457     | 791     | 639              | 60                     |
| Nebraska . . . . .                  | 5            | 205      | 241               | 100               | 129    | 2, 440                | 2, 649   | 923     | 1, 772  | 346              | 271                    |
| Kansas . . . . .                    | 2            | 272      | 284               | 116               | 108    | 3, 744                | 3, 819   | 1, 363  | 1, 593  | 490              | 424                    |
| South Atlantic . . . . .            | 30           | 1, 101   | 1, 104            | 315               | 647    | 18, 933               | 15, 077  | 2, 539  | 9, 485  | 2, 438           | 1, 169                 |
| Maryland . . . . .                  | 5            | 82       | 119               | 15                | 104    | 1, 325                | 1, 034   | 148     | 742     | 383              | 383                    |
| Dist. of Col. . . . .               | 3            | 68       | 103               | 21                | 53     | 742                   | 750      | 151     | 712     | 32               | 95                     |
| Virginia . . . . .                  | 6            | 300      | 251               | 78                | 201    | 4, 769                | 3, 020   | 80      | 2, 960  | 800              | 371                    |
| West Virginia . . . . .             | 6            | 225      | 288               | 88                | 82     | 5, 199                | 5, 649   | 1, 037  | 1, 432  | 476              | 308                    |
| North Carolina . . . . .            | 8            | 147      | 233               | 96                | 156    | 2, 500                | 3, 384   | 840     | 3, 132  | 687              | 369                    |
| South Carolina . . . . .            | 2            | 63       | 110               | 17                | 21     | 340                   | 340      | 283     | 487     | 60               | 26                     |
| Georgia . . . . .                   | 2            | 166      | 110               | 17                | 21     | 1, 992                | 1, 240   | 283     | 487     | 60               | 26                     |
| East South Central . . . . .        | 20           | 990      | 1, 032            | 454               | 482    | 20, 573               | 16, 586  | 5, 257  | 8, 927  | 1, 095           | 1, 368                 |
| Kentucky . . . . .                  | 5            | 297      | 360               | 156               | 193    | 6, 677                | 7, 172   | 2, 262  | 3, 365  | 721              | 546                    |
| Tennessee . . . . .                 | 6            | 251      | 358               | 137               | 104    | 5, 944                | 5, 066   | 1, 457  | 3, 124  | 85               | 454                    |
| Alabama . . . . .                   | 7            | 335      | 222               | 122               | 142    | 5, 448                | 5, 065   | 1, 194  | 1, 739  | 288              | 187                    |
| Mississippi . . . . .               | 2            | 97       | 92                | 39                | 43     | 2, 504                | 1, 293   | 314     | 699     | 1                | 179                    |
| West South Central . . . . .        | 17           | 1, 144   | 1, 020            | 521               | 446    | 19, 660               | 18, 764  | 5, 761  | 10, 004 | 259              | 2, 803                 |
| Arkansas . . . . .                  | 2            | 66       | 82                | 34                | 35     | 1, 120                | 1, 070   | 429     | 609     | 137              | 137                    |
| Louisiana . . . . .                 | 2            | 147      | 97                | 45                | 76     | 1, 780                | 1, 360   | 352     | 951     | 174              | 142                    |
| Oklahoma . . . . .                  | 6            | 374      | 338               | 196               | 110    | 8, 181                | 8, 289   | 2, 360  | 4, 660  | 85               | 1, 144                 |
| Texas . . . . .                     | 7            | 557      | 502               | 246               | 225    | 8, 569                | 7, 096   | 2, 680  | 3, 884  | 1, 380           | 1, 380                 |
| Mountain . . . . .                  | 11           | 478      | 450               | 210               | 201    | 5, 961                | 8, 280   | 2, 074  | 3, 610  | 913              | 665                    |
| Montana . . . . .                   | 2            | 60       | 53                | 20                | 23     | 694                   | 919      | 200     | 898     | 342              | 23                     |
| Idaho . . . . .                     | 2            | 60       | 58                | 22                | 33     | 841                   | 624      | 244     | 394     | 211              | 211                    |
| Colorado . . . . .                  | 3            | 163      | 168               | 85                | 59     | 2, 455                | 2, 455   | 771     | 1, 467  | 245              | 322                    |
| New Mexico . . . . .                | 2            | 83       | 67                | 34                | 35     | 761                   | 712      | 185     | 330     | 9                | 73                     |
| Arizona . . . . .                   | 2            | 89       | 104               | 49                | 51     | 999                   | 1, 550   | 674     | 721     | 106              | 250                    |
| Utah . . . . .                      | 1            | 18       | 18                | 18                | 211    | 211                   | 211      | 211     | 211     | 211              | 211                    |
| Pacific . . . . .                   | 15           | 860      | 787               | 350               | 465    | 14, 595               | 13, 799  | 5, 414  | 8, 014  | 969              | 1, 380                 |
| Washington . . . . .                | 4            | 200      | 194               | 71                | 115    | 2, 776                | 2, 153   | 682     | 1, 178  | 539              | 118                    |
| Oregon . . . . .                    | 3            | 145      | 156               | 28                | 70     | 2, 049                | 1, 532   | 438     | 697     | 430              | 430                    |
| California . . . . .                | 8            | 505      | 438               | 251               | 270    | 8, 770                | 10, 044  | 4, 294  | 6, 139  | 1, 238           | 1, 238                 |
| Hawaii . . . . .                    | 1            | 74       | 74                | 30                | 59     | 1, 482                | 1, 482   | 447     | 1, 210  | 679              | 679                    |
| Philippine Islands . . . . .        | 1            | 74       | 74                | 30                | 59     | 1, 482                | 1, 482   | 447     | 1, 210  | 679              | 679                    |

<sup>1</sup> Regular session only.<sup>2</sup> Represents total number reduced to full-time basis.

Source: Office of Education, Department of the Interior.

## No. 126.—NURSE TRAINING, COMMERCIAL, SUMMER, AND REFORM SCHOOLS

| Division and State or out-lying area   | Nurse-training schools, 1931 |          | Commercial schools, 1932 |          | Summer schools, students, 1933    |                                 | Reform schools, 1932 |          |
|----------------------------------------|------------------------------|----------|--------------------------|----------|-----------------------------------|---------------------------------|----------------------|----------|
|                                        | Schools                      | Students | Schools                  | Students | Normal schools, etc. <sup>1</sup> | Universities, etc. <sup>2</sup> | Schools              | Students |
| <b>Continental United States</b> ..... | 1, 844                       | 100, 394 | 651                      | 102, 286 | 86, 721                           | 217, 033                        | 148                  | 57, 269  |
| <b>New England</b> .....               | 206                          | 11, 777  | 60                       | 13, 885  | 1, 043                            | 7, 317                          | 18                   | 5, 733   |
| Maine.....                             | 32                           | 903      | 5                        | 484      | 80                                | 531                             | 2                    | 371      |
| New Hampshire.....                     | 23                           | 766      | 4                        | 633      | 157                               | 302                             | 1                    | 237      |
| Vermont.....                           | 12                           | 358      | 1                        | 60       | —                                 | 1, 026                          | 1                    | 347      |
| Massachusetts.....                     | 102                          | 6, 668   | 26                       | 5, 822   | 284                               | 5, 213                          | 7                    | 2, 867   |
| Rhode Island.....                      | 11                           | 1, 287   | 7                        | 4, 759   | 474                               | 120                             | 2                    | 622      |
| Connecticut.....                       | 25                           | 1, 795   | 17                       | 2, 097   | 22                                | 126                             | 3                    | 1, 239   |
| <b>Middle Atlantic</b> .....           | 363                          | 24, 890  | 148                      | 27, 280  | 9, 842                            | 53, 452                         | 28                   | 15, 711  |
| New York.....                          | 132                          | 11, 724  | 71                       | 15, 024  | 5, 003                            | 35, 548                         | 14                   | 8, 811   |
| New Jersey.....                        | 52                           | 3, 148   | 24                       | 2, 548   | 726                               | 2, 122                          | 4                    | 1, 748   |
| Pennsylvania.....                      | 159                          | 10, 018  | 53                       | 9, 708   | 3, 853                            | 15, 782                         | 8                    | 5, 162   |
| <b>East North Central</b> .....        | 330                          | 22, 144  | 123                      | 17, 929  | 16, 779                           | 44, 310                         | 18                   | 9, 799   |
| Ohio.....                              | 80                           | 5, 359   | 38                       | 6, 153   | 198                               | 13, 999                         | 3                    | 1, 686   |
| Indiana.....                           | 32                           | 2, 132   | 18                       | 2, 106   | 2, 844                            | 5, 048                          | 2                    | 908      |
| Illinois.....                          | 134                          | 7, 466   | 51                       | 5, 452   | 5, 860                            | 14, 839                         | 7                    | 4, 755   |
| Michigan.....                          | 48                           | 3, 676   | 23                       | 3, 204   | 2, 978                            | 6, 327                          | 4                    | 1, 620   |
| Wisconsin.....                         | 36                           | 3, 481   | 13                       | 969      | 4, 999                            | 4, 097                          | 2                    | 760      |
| <b>West North Central</b> .....        | 251                          | 12, 264  | 70                       | 9, 968   | 16, 975                           | 23, 103                         | 15                   | 4, 833   |
| Minnesota.....                         | 59                           | 3, 776   | 14                       | 1, 579   | 2, 381                            | 4, 526                          | 3                    | 1, 367   |
| Iowa.....                              | 46                           | 2, 240   | 13                       | 1, 744   | 1, 158                            | 5, 137                          | 8                    | 1, 071   |
| Missouri.....                          | 30                           | 2, 178   | 11                       | 2, 063   | 6, 683                            | 4, 945                          | 3                    | 964      |
| North Dakota.....                      | 17                           | 727      | 8                        | 620      | 2, 015                            | 353                             | 1                    | 250      |
| South Dakota.....                      | 19                           | 541      | 3                        | 333      | 948                               | 914                             | 1                    | 213      |
| Nebraska.....                          | 19                           | 1, 212   | 3                        | 519      | 2, 733                            | 3, 356                          | 3                    | 723      |
| Kansas.....                            | 52                           | 1, 592   | 18                       | 3, 110   | 2, 132                            | 3, 809                          | 1                    | 265      |
| <b>South Atlantic</b> .....            | 273                          | 10, 240  | 67                       | 7, 173   | 7, 313                            | 28, 228                         | 31                   | 9, 114   |
| Delaware.....                          | 6                            | 219      | 1                        | 55       | —                                 | 2, 450                          | 3                    | 374      |
| Maryland.....                          | 28                           | 1, 778   | 6                        | 737      | —                                 | 2, 073                          | 7                    | 2, 618   |
| District of Columbia.....              | 12                           | 1, 183   | 5                        | 1, 763   | —                                 | 2, 512                          | 2                    | 909      |
| Virginia.....                          | 45                           | 1, 661   | 10                       | 1, 000   | 1, 908                            | 4, 756                          | 4                    | 874      |
| West Virginia.....                     | 40                           | 1, 116   | 6                        | 945      | 2, 443                            | 3, 404                          | 2                    | 681      |
| North Carolina.....                    | 59                           | 1, 860   | 10                       | 596      | 2, 609                            | 5, 822                          | 4                    | 1, 392   |
| South Carolina.....                    | 26                           | 710      | 7                        | 239      | —                                 | 1, 632                          | 3                    | 588      |
| Georgia.....                           | 39                           | 1, 235   | 10                       | 1, 069   | 858                               | 4, 467                          | 3                    | 411      |
| Florida.....                           | 18                           | 678      | 12                       | 769      | —                                 | 2, 807                          | 3                    | 1, 317   |
| <b>East South Central</b> .....        | 134                          | 4, 244   | 41                       | 4, 122   | 8, 869                            | 12, 619                         | 8                    | 4, 802   |
| Kentucky.....                          | 31                           | 1, 071   | 13                       | 1, 300   | 3, 896                            | 4, 296                          | 1                    | 2, 061   |
| Tennessee.....                         | 30                           | 1, 351   | 17                       | 1, 591   | 3, 690                            | 3, 383                          | 4                    | 1, 519   |
| Alabama.....                           | 36                           | 1, 155   | 5                        | 600      | 594                               | 3, 483                          | 2                    | 805      |
| Mississippi.....                       | 37                           | 667      | 6                        | 631      | 719                               | 1, 507                          | 1                    | 427      |
| <b>West South Central</b> .....        | 132                          | 5, 009   | 57                       | 6, 944   | 17, 212                           | 24, 445                         | 8                    | 2, 735   |
| Arkansas.....                          | 23                           | 503      | 6                        | 500      | 774                               | 1, 476                          | 1                    | 547      |
| Louisiana.....                         | 17                           | 1, 048   | 5                        | 208      | 705                               | 3, 054                          | 1                    | 310      |
| Oklahoma.....                          | 22                           | 789      | 15                       | 2, 979   | 6, 111                            | 4, 647                          | 2                    | 876      |
| Texas.....                             | 70                           | 2, 669   | 31                       | 3, 257   | 9, 622                            | 14, 368                         | 4                    | 1, 292   |
| <b>Mountain</b> .....                  | 63                           | 2, 851   | 16                       | 4, 012   | 4, 232                            | 7, 770                          | 12                   | 2, 045   |
| Montana.....                           | 16                           | 551      | 3                        | 913      | 748                               | 710                             | 2                    | 267      |
| Idaho.....                             | 10                           | 272      | 1                        | 178      | 160                               | 588                             | 1                    | 603      |
| Wyoming.....                           | 6                            | 167      | —                        | —        | —                                 | 624                             | 2                    | 123      |
| Colorado.....                          | 20                           | 1, 181   | 6                        | 1, 453   | 1, 689                            | 3, 167                          | 2                    | 525      |
| New Mexico.....                        | 2                            | 61       | —                        | —        | 1, 054                            | 682                             | 3                    | 264      |
| Arizona.....                           | 3                            | 178      | 4                        | 473      | 581                               | 308                             | 1                    | 166      |
| Utah.....                              | 6                            | 441      | 2                        | 995      | —                                 | 1, 711                          | —                    | —        |
| Nevada.....                            | —                            | —        | —                        | —        | —                                 | —                               | 1                    | 107      |
| <b>Pacific</b> .....                   | 93                           | 6, 975   | 69                       | 10, 973  | 4, 148                            | 15, 235                         | 12                   | 2, 567   |
| Washington.....                        | 27                           | 1, 525   | 19                       | 3, 536   | 1, 358                            | 3, 397                          | 4                    | 788      |
| Oregon.....                            | 13                           | 726      | 6                        | 1, 068   | 376                               | 1, 537                          | 2                    | 256      |
| California.....                        | 53                           | 4, 724   | 44                       | 6, 369   | 2, 414                            | 10, 301                         | 6                    | 1, 523   |
| <b>OUTLYING AREAS</b>                  |                              |          |                          |          |                                   |                                 |                      |          |
| Hawaii Territory.....                  | —                            | —        | 3                        | 720      | —                                 | 842                             | —                    | —        |
| Philippine Islands.....                | 7                            | 393      | 1                        | 592      | 978                               | —                               | —                    | —        |
| Puerto Rico.....                       | 2                            | 90       | 2                        | 216      | —                                 | 1, 549                          | 1                    | 235      |

<sup>1</sup> Normal schools and teachers' colleges.<sup>2</sup> Universities, colleges, and professional schools.

# No. 127.—SCHOOLS FOR THE BLIND, THE DEAF, AND THE MENTALLY DEFICIENT, 1932

| State                          | Blind and partially seeing |                  |                          |        |                 |        | Deaf and hard of hearing |        |                          |        |                 |        | Mentally deficient |                  |                          |        |                      |                  |
|--------------------------------|----------------------------|------------------|--------------------------|--------|-----------------|--------|--------------------------|--------|--------------------------|--------|-----------------|--------|--------------------|------------------|--------------------------|--------|----------------------|------------------|
|                                | State schools              |                  | Public day schools       |        | Private schools |        | State schools            |        | Public day schools       |        | Private schools |        | State institutions |                  | Public day schools       |        | Private institutions |                  |
|                                | Schools                    | Pupils           | Cities reporting schools | Pupils | Schools         | Pupils | Schools                  | Pupils | Cities reporting schools | Pupils | Schools         | Pupils | Schools            | Pupils           | Cities reporting schools | Pupils | Schools              | Pupils           |
| Continental United States..... | 47                         | 4,510            | 95                       | 5,308  | 11              | 1,020  | 57                       | 12,408 | 116                      | 4,434  | 27              | 2,432  | 80                 | 12,171           | 433                      | 75,089 | 50                   | 1,615            |
| Alabama.....                   | 2                          | 199              | —                        | —      | —               | —      | 2                        | 419    | 1                        | 8      | —               | —      | 1                  | 92               | 1                        | 217    | —                    | —                |
| Arizona.....                   | 1                          | 13               | —                        | —      | —               | —      | 1                        | 70     | —                        | —      | —               | —      | —                  | —                | 1                        | 12     | —                    | —                |
| Arkansas.....                  | 2                          | 148              | —                        | —      | —               | —      | 1                        | 310    | —                        | —      | —               | —      | —                  | —                | —                        | —      | —                    | —                |
| California.....                | 1                          | 108              | 2                        | 155    | —               | —      | 1                        | 223    | 9                        | 333    | 1               | 32     | 2                  | 559              | 7                        | 2,695  | 5                    | 85               |
| Colorado.....                  | 1                          | 63               | —                        | —      | —               | —      | 1                        | 175    | —                        | —      | —               | —      | 2                  | 123              | 1                        | 51     | 1                    | 6                |
| Connecticut.....               | 1                          | ( <sup>1</sup> ) | 2                        | 39     | 1               | 11     | 1                        | 118    | —                        | —      | 1               | 216    | 1                  | 99               | 18                       | 1,637  | —                    | —                |
| Delaware.....                  | —                          | —                | —                        | —      | —               | —      | —                        | —      | —                        | —      | —               | —      | 1                  | 42               | 1                        | 139    | —                    | —                |
| District of Columbia.....      | —                          | —                | —                        | —      | —               | —      | —                        | —      | —                        | —      | 2               | 200    | 1                  | ( <sup>1</sup> ) | 1                        | 558    | 1                    | 25               |
| Florida.....                   | 1                          | 87               | —                        | —      | —               | —      | 1                        | 237    | —                        | —      | —               | —      | 1                  | 161              | 2                        | 299    | —                    | —                |
| Georgia.....                   | 1                          | 102              | 1                        | 21     | —               | —      | 1                        | 244    | —                        | —      | —               | —      | 1                  | 46               | 1                        | 490    | —                    | —                |
| Idaho.....                     | 1                          | 21               | —                        | —      | —               | —      | 1                        | 77     | —                        | —      | —               | —      | 1                  | 86               | —                        | —      | —                    | —                |
| Illinois.....                  | 1                          | 258              | 7                        | 467    | —               | —      | 1                        | 549    | 7                        | 513    | 1               | 118    | 2                  | 606              | 11                       | 4,672  | 3                    | 110              |
| Indiana.....                   | 1                          | 165              | 1                        | 16     | —               | —      | 1                        | 421    | —                        | —      | —               | —      | 3                  | 180              | 7                        | 1,110  | 1                    | 6                |
| Iowa.....                      | 1                          | 158              | 1                        | 32     | —               | —      | 1                        | 355    | 3                        | 161    | —               | —      | 2                  | 726              | 10                       | 1,155  | 1                    | 35               |
| Kansas.....                    | 1                          | 116              | —                        | —      | —               | —      | 1                        | 233    | 3                        | 23     | —               | —      | 2                  | 91               | 3                        | 294    | 1                    | 5                |
| Kentucky.....                  | 1                          | 156              | —                        | —      | —               | —      | 1                        | 343    | 1                        | 13     | —               | —      | 1                  | 341              | 4                        | 423    | 1                    | 60               |
| Louisiana.....                 | 2                          | 112              | —                        | —      | —               | —      | 1                        | 201    | —                        | —      | 1               | 51     | 1                  | 122              | —                        | —      | 1                    | 40               |
| Maine.....                     | —                          | —                | —                        | —      | —               | —      | 1                        | 110    | —                        | —      | —               | —      | 1                  | 127              | 2                        | 87     | —                    | —                |
| Maryland.....                  | 2                          | 100              | 1                        | 122    | —               | —      | 1                        | 180    | 1                        | 45     | 3               | 96     | 1                  | ( <sup>1</sup> ) | 1                        | 2,338  | 1                    | 20               |
| Massachusetts.....             | —                          | —                | 12                       | 193    | 1               | 284    | 2                        | 276    | 7                        | 399    | 2               | 172    | 4                  | 1,118            | 63                       | 3,905  | 4                    | 118              |
| Michigan.....                  | 1                          | 166              | 11                       | 671    | —               | —      | 1                        | 412    | 15                       | 490    | 1               | 31     | 3                  | 843              | 29                       | 6,317  | 3                    | 47               |
| Minnesota.....                 | 1                          | 102              | 6                        | 213    | —               | —      | 1                        | 232    | 6                        | 198    | 1               | 12     | 2                  | 594              | 23                       | 2,601  | 1                    | 5                |
| Mississippi.....               | 1                          | 64               | —                        | —      | —               | —      | 1                        | 200    | —                        | —      | —               | —      | 1                  | 1                | —                        | —      | —                    | —                |
| Missouri.....                  | 1                          | 107              | 1                        | 9      | —               | —      | 1                        | 325    | 2                        | 116    | 2               | 209    | 1                  | 162              | 4                        | 1,502  | 1                    | 5                |
| Montana.....                   | 1                          | 16               | —                        | —      | —               | —      | 1                        | 85     | —                        | —      | —               | —      | 1                  | 90               | 2                        | 110    | —                    | —                |
| Nebraska.....                  | 1                          | 60               | —                        | —      | —               | —      | 1                        | 162    | 1                        | 16     | —               | —      | 1                  | 193              | 2                        | 306    | 1                    | ( <sup>1</sup> ) |
| Nevada.....                    | —                          | —                | —                        | —      | —               | —      | —                        | —      | —                        | —      | —               | —      | 1                  | 101              | 4                        | 204    | —                    | —                |
| New Hampshire.....             | —                          | —                | —                        | —      | —               | —      | —                        | —      | —                        | —      | —               | —      | 1                  | 151              | —                        | —      | —                    | —                |
| New Jersey.....                | —                          | —                | 5                        | 151    | 2               | 78     | 1                        | 342    | 3                        | 136    | —               | —      | 5                  | 340              | 50                       | 4,296  | 4                    | 277              |
| New Mexico.....                | 1                          | 108              | —                        | —      | —               | —      | 1                        | 99     | —                        | —      | —               | —      | 1                  | 18               | —                        | —      | —                    | —                |
| New York.....                  | 1                          | 145              | 7                        | 1,750  | 3               | 176    | 5                        | 1,185  | 6                        | 571    | 4               | 554    | 9                  | 2,181            | 72                       | 15,527 | 7                    | 150              |
| North Carolina.....            | 2                          | 232              | —                        | —      | —               | —      | 2                        | 472    | —                        | —      | —               | —      | 2                  | 188              | 2                        | 192    | —                    | —                |
| North Dakota.....              | 1                          | 37               | —                        | —      | —               | —      | 1                        | 111    | —                        | —      | —               | —      | 1                  | 156              | 1                        | 46     | —                    | —                |
| Ohio.....                      | 1                          | 224              | 24                       | 937    | —               | —      | 1                        | 519    | 15                       | 468    | 1               | 102    | 4                  | 570              | 43                       | 6,084  | 2                    | 38               |
| Oklahoma.....                  | 1                          | 159              | —                        | —      | —               | —      | 2                        | 409    | 1                        | 17     | 1               | 8      | 1                  | ( <sup>1</sup> ) | 2                        | 271    | —                    | —                |
| Oregon.....                    | 1                          | 43               | 1                        | 11     | —               | —      | 1                        | 126    | 1                        | 38     | —               | —      | 1                  | 167              | 3                        | 578    | —                    | —                |
| Pennsylvania.....              | —                          | —                | 5                        | 260    | 4               | 471    | 2                        | 603    | 5                        | 198    | 5               | 598    | 4                  | 503              | 55                       | 11,655 | 5                    | 292              |
| Rhode Island.....              | —                          | —                | 1                        | 33     | —               | —      | 1                        | 101    | —                        | —      | —               | —      | 1                  | 45               | —                        | —      | 1                    | 4                |
| South Carolina.....            | 1                          | 104              | —                        | —      | —               | —      | 1                        | 212    | 1                        | 95     | —               | —      | 1                  | 119              | 2                        | 134    | —                    | —                |
| South Dakota.....              | 1                          | 37               | —                        | —      | —               | —      | 1                        | 106    | —                        | —      | —               | —      | 1                  | 64               | 2                        | 116    | —                    | —                |
| Tennessee.....                 | 2                          | 250              | —                        | —      | —               | —      | 2                        | 300    | —                        | —      | —               | —      | 1                  | ( <sup>1</sup> ) | —                        | —      | 1                    | 21               |
| Texas.....                     | 2                          | 338              | 1                        | 6      | —               | —      | 2                        | 685    | 3                        | 42     | —               | —      | 2                  | 90               | 2                        | 150    | —                    | —                |
| Utah.....                      | 1                          | 29               | —                        | —      | —               | —      | 1                        | 130    | —                        | —      | —               | —      | 1                  | 110              | —                        | —      | —                    | —                |
| Vermont.....                   | —                          | —                | —                        | —      | —               | —      | 1                        | 58     | —                        | —      | —               | —      | 1                  | 59               | —                        | —      | —                    | —                |
| Virginia.....                  | 2                          | 108              | 3                        | 65     | —               | —      | 2                        | 249    | 2                        | 35     | —               | —      | 1                  | 98               | 4                        | 472    | 2                    | 41               |
| Washington.....                | 1                          | 96               | 3                        | 147    | —               | —      | 1                        | 135    | 4                        | 115    | —               | —      | 1                  | 154              | 9                        | 2,106  | —                    | —                |
| West Virginia.....             | 2                          | 126              | —                        | —      | —               | —      | 2                        | 315    | 1                        | 16     | —               | —      | 1                  | ( <sup>1</sup> ) | 1                        | 43     | —                    | —                |
| Wisconsin.....                 | 1                          | 139              | —                        | —      | —               | —      | 1                        | 218    | 18                       | 348    | 1               | 83     | 2                  | 456              | 33                       | 1,525  | 2                    | 226              |
| Wyoming.....                   | —                          | —                | —                        | —      | —               | —      | —                        | —      | —                        | —      | —               | —      | 1                  | 71               | —                        | —      | —                    | —                |

<sup>1</sup> Data not available.

Source: Office of Education, Department of Interior.

# **No. 128.—SCHOOLS FOR THE BLIND, THE DEAF, AND THE MENTALLY DEFICIENT: CONTINENTAL UNITED STATES**

| Kind of school                                         | Number of schools |      |      | Number of teachers |       |       | Number of pupils |         |        |
|--------------------------------------------------------|-------------------|------|------|--------------------|-------|-------|------------------|---------|--------|
|                                                        | 1922              | 1927 | 1932 | 1922               | 1927  | 1932  | 1922             | 1927    | 1932   |
| <b>Schools for the blind, total</b> .....              | 63                | 78   | 183  | 720                | 853   | 1,235 | 4,915            | 6,035   | 10,838 |
| State.....                                             |                   |      | 47   |                    |       | 652   |                  |         | 4,510  |
| City day schools.....                                  |                   |      | 95   |                    |       | 411   |                  |         | 5,308  |
| Private.....                                           |                   |      | 11   |                    |       | 172   |                  |         | 1,020  |
| <b>Schools for the deaf, total</b> .....               | 153               | 186  | 200  | 1,901              | 2,283 | 2,489 | 14,328           | 17,433  | 19,324 |
| State.....                                             | 61                | 65   | 57   | 1,414              | 1,712 | 1,642 | 10,738           | 13,033  | 12,408 |
| City day schools.....                                  | 74                | 83   | 116  | 351                | 417   | 497   | 2,911            | 3,515   | 4,434  |
| Private.....                                           | 18                | 15   | 27   | 136                | 154   | 330   | 679              | 885     | 2,482  |
| <b>Schools for the mentally deficient, total</b> ..... | 214               | 303  | 613  | 1,958              | 3,493 | 4,917 | 63,399           | 104,021 | 98,885 |
| State.....                                             | 51                | 51   | 80   | 492                | 580   | 700   | 38,761           | 49,791  | 12,171 |
| City day schools.....                                  | 133               | 218  | 483  | 1,321              | 2,718 | 4,004 | 23,252           | 51,814  | 75,099 |
| Private.....                                           | 30                | 34   | 50   | 143                | 195   | 213   | 1,386            | 2,416   | 1,615  |

Sources: Office of Education, Department of the Interior.

# **No. 129.—VOCATIONAL EDUCATION: TEACHERS AND PUPILS IN FEDERALLY AIDED VOCATIONAL SCHOOLS AND TEACHER-TRAINING COURSES**

NOTE.—See headnote, table 130. Hawaii is included for 1930 to 1935 and Puerto Rico for 1932 to 1935

| Class of school or course                     | Teachers |       |        |        | Pupils  |         |           |           |           |           |
|-----------------------------------------------|----------|-------|--------|--------|---------|---------|-----------|-----------|-----------|-----------|
|                                               | 1920     | 1930  | 1934   | 1935   | 1920    | 1930    | 1932      | 1933      | 1934      | 1935      |
| <b>VOCATIONAL SCHOOLS</b>                     |          |       |        |        |         |         |           |           |           |           |
| <b>Total, all classes<sup>1</sup></b> .....   |          |       |        |        | 285,058 | 981,432 | 1,077,844 | 1,032,403 | 1,051,000 | 1,178,896 |
| Male.....                                     |          |       |        |        | 163,228 | 603,514 | 618,852   | 579,083   | 593,655   | 668,955   |
| Female.....                                   |          |       |        |        | 101,830 | 377,918 | 458,992   | 453,315   | 457,345   | 509,941   |
| Evening.....                                  | 2,565    | 9,842 | 8,677  | 9,944  | 73,122  | 322,704 | 379,427   | 343,093   | 353,875   | 398,713   |
| Part time.....                                | 1,773    | 5,468 | 5,063  | 6,387  | 122,974 | 407,285 | 359,001   | 299,535   | 256,026   | 277,650   |
| All day.....                                  | 8,331    | 9,245 | 12,646 | 13,538 | 68,962  | 241,436 | 326,226   | 379,835   | 430,843   | 491,295   |
| Day-unit course.....                          |          | 319   | 540    | 533    |         | 9,957   | 11,190    | 10,000    | 10,256    | 11,238    |
| <b>Agricultural<sup>1</sup></b> .....         |          |       |        |        | 31,301  | 188,311 | 252,199   | 264,105   | 286,150   | 325,885   |
| Male.....                                     |          |       |        |        | 29,351  | 180,490 | 242,074   | 252,781   | 275,195   | 313,589   |
| Female.....                                   |          |       |        |        | 1,950   | 7,821   | 10,125    | 11,324    | 10,955    | 12,090    |
| Evening.....                                  |          | 1,878 | 2,241  | 2,674  |         | 60,462  | 87,138    | 81,689    | 99,293    | 109,970   |
| Part time.....                                |          | 306   | 652    | 1,071  |         | 4,164   | 10,792    | 12,553    | 11,719    | 21,083    |
| All day.....                                  | 1,570    | 4,346 | 4,886  | 5,371  | 31,301  | 113,728 | 143,079   | 159,858   | 184,882   | 183,394   |
| Day-unit course.....                          |          | 319   | 540    | 533    |         | 9,957   | 11,190    | 10,000    | 10,256    | 11,238    |
| <b>Trade and industrial<sup>1</sup></b> ..... |          |       |        |        | 184,819 | 618,154 | 580,150   | 489,900   | 466,899   | 503,565   |
| Male.....                                     |          |       |        |        | 133,872 | 422,575 | 375,808   | 325,010   | 316,710   | 353,002   |
| Female.....                                   |          |       |        |        | 50,947  | 195,579 | 184,342   | 164,890   | 150,289   | 150,863   |
| Evening.....                                  | 1,779    | 5,030 | 3,995  | 4,705  | 48,354  | 164,867 | 151,042   | 123,807   | 130,901   | 154,352   |
| Part time, total.....                         | 1,636    | 4,981 | 4,130  | 4,920  | 115,241 | 381,898 | 315,708   | 255,247   | 212,613   | 217,933   |
| Trade extension.....                          | 350      | 1,747 | 1,647  | 2,686  | 17,159  | 45,601  | 44,476    | 38,064    | 38,016    | 72,952    |
| General continuation.....                     | 1,286    | 3,234 | 2,483  | 2,234  | 98,082  | 336,297 | 271,232   | 217,183   | 174,597   | 144,981   |
| All day.....                                  | 1,047    | 3,054 | 4,555  | 3,955  | 21,224  | 71,389  | 93,400    | 110,846   | 123,485   | 131,680   |
| <b>Home economics<sup>1</sup></b> .....       |          |       |        |        | 48,938  | 174,967 | 265,495   | 278,398   | 297,851   | 349,346   |
| Male.....                                     |          |       |        |        | 5       | 449     | 970       | 1,297     | 1,750     | 2,364     |
| Female.....                                   |          |       |        |        | 48,933  | 174,518 | 264,525   | 277,101   | 296,101   | 346,982   |
| Evening.....                                  | 786      | 2,934 | 2,441  | 2,655  | 24,768  | 97,375  | 141,247   | 137,537   | 123,681   | 134,391   |
| Part time.....                                | 137      | 181   | 311    | 396    | 7,733   | 21,223  | 32,501    | 31,730    | 31,694    | 38,034    |
| All day.....                                  | 714      | 1,845 | 3,205  | 4,212  | 16,437  | 55,369  | 91,747    | 109,131   | 142,476   | 176,321   |
| <b>TEACHER-TRAINING COURSES</b>               |          |       |        |        |         |         |           |           |           |           |
| <b>Total, all classes</b> .....               | 1,082    | 2,843 | 2,760  | 2,763  | 12,456  | 20,738  | 22,468    | 19,645    | 15,982    | 17,955    |
| Male.....                                     | 657      | 2,518 | 2,495  | 2,482  | 6,985   | 12,531  | 14,561    | 12,118    | 9,196     | 10,166    |
| Female.....                                   | 425      | 2,325 | 2,265  | 2,280  | 5,471   | 8,205   | 7,907     | 7,527     | 6,786     | 7,789     |
| In agriculture.....                           | 293      | 195   | 185    | 201    | 2,310   | 3,325   | 3,171     | 3,429     | 2,386     | 3,235     |
| Trade and industry.....                       | 359      | 234   | 269    | 248    | 6,150   | 11,205  | 13,045    | 10,194    | 7,960     | 8,106     |
| Home economics.....                           | 414      | 316   | 344    | 321    | 3,652   | 6,206   | 6,252     | 6,022     | 5,636     | 6,514     |
| Other and not specified.....                  | 16       |       |        |        | 344     |         |           |           |           |           |

<sup>1</sup> Total number of teachers omitted because of duplications in reports of States by types of schools.

<sup>2</sup> Excluding duplicates.

Sources: Office of Education, Department of the Interior.

# No. 130.—VOCATIONAL EDUCATION: PUPILS ENROLLED IN VOCATIONAL COURSES AND TEACHER-TRAINING COURSES, YEAR ENDED JUNE 30, 1935

NOTE.—Institutions Federally aided are reimbursed out of Federal funds provided under (1) the act known as the "Smith-Hughes Act", or the "National Vocational Education Act of 1917", (2) acts of 1924 and 1931 extending the benefits of vocational education to Hawaii and Puerto Rico, (3) the George-Elzey Act of 1935. These acts, administered by the Office of Education, provide appropriations by Congress for reimbursement in part out of Federal funds for expenditures by States and local communities for salaries of vocational teachers and maintenance of vocational teacher training

| Division and State or Territory  | Vocational courses |              |                      |                |                  | Vocational teacher-training courses (Federally aided) |              |                      |                |
|----------------------------------|--------------------|--------------|----------------------|----------------|------------------|-------------------------------------------------------|--------------|----------------------|----------------|
|                                  | Federally aided    |              |                      |                | State aided only | Total                                                 | Agricultural | Trade and industrial | Home economics |
|                                  | Total              | Agricultural | Trade and industrial | Home economics |                  |                                                       |              |                      |                |
| United States <sup>1</sup> ..... | 1,178,896          | 325,685      | 503,865              | 349,946        | 68,627           | 17,955                                                | 3,235        | 8,106                | 6,614          |
| New England.....                 | 49,709             | 4,042        | 30,987               | 14,700         | 350              | 1,451                                                 | 120          | 710                  | 621            |
| Maine.....                       | 2,481              | 321          | 790                  | 850            | —                | 101                                                   | 17           | 18                   | 66             |
| New Hampshire.....               | 1,031              | 206          | 443                  | 282            | —                | 37                                                    | —            | 16                   | 21             |
| Vermont.....                     | 1,923              | 324          | 220                  | 379            | —                | 39                                                    | 10           | 9                    | 23             |
| Massachusetts.....               | 33,185             | 1,425        | 21,312               | 10,448         | 12               | 1,079                                                 | 70           | 570                  | 484            |
| Rhode Island.....                | 2,519              | 532          | 1,545                | 442            | —                | 172                                                   | 15           | 100                  | 57             |
| Connecticut.....                 | 8,590              | 644          | 6,657                | 2,289          | 368              | 23                                                    | 8            | —                    | 20             |
| Middle Atlantic.....             | 214,168            | 16,082       | 173,701              | 25,415         | 31,499           | 3,199                                                 | 413          | 1,987                | 816            |
| New York.....                    | 138,713            | 6,396        | 124,223              | 8,094          | 25,407           | 1,366                                                 | 221          | 878                  | 287            |
| New Jersey.....                  | 21,639             | 1,566        | 17,410               | 2,563          | 8,223            | 505                                                   | 60           | 332                  | 113            |
| Pennsylvania.....                | 53,946             | 7,120        | 32,068               | 14,758         | 2,819            | 1,325                                                 | 132          | 757                  | 436            |
| East North Central.....          | 209,425            | 59,008       | 94,118               | 63,299         | 12,104           | 2,433                                                 | 352          | 1,639                | 542            |
| Ohio.....                        | 45,429             | 12,414       | 24,566               | 8,429          | —                | 1,078                                                 | 55           | 923                  | 100            |
| Indiana.....                     | 24,163             | 6,727        | 9,704                | 7,442          | 448              | 465                                                   | 76           | 189                  | 200            |
| Illinois.....                    | 36,221             | 11,821       | 12,349               | 12,051         | 849              | 501                                                   | 60           | 350                  | 91             |
| Michigan.....                    | 48,437             | 13,331       | 22,887               | 12,219         | —                | 245                                                   | 48           | 101                  | 90             |
| Wisconsin.....                   | 55,176             | 7,715        | 24,502               | 22,958         | 10,812           | 144                                                   | 13           | 78                   | 55             |
| West North Central.....          | 101,684            | 33,841       | 28,284               | 39,528         | 1,914            | 1,737                                                 | 287          | 813                  | 637            |
| Minnesota.....                   | 19,827             | 7,184        | 7,381                | 5,262          | —                | 307                                                   | 43           | 215                  | 48             |
| Iowa.....                        | 18,497             | 9,675        | 4,711                | 4,111          | 408              | 491                                                   | 15           | 364                  | 112            |
| Missouri.....                    | 19,149             | 6,907        | 5,943                | 6,299          | —                | 263                                                   | 77           | 140                  | 46             |
| North Dakota.....                | 3,747              | 1,610        | 694                  | 1,443          | —                | 84                                                    | 41           | —                    | 43             |
| South Dakota.....                | 4,480              | 1,321        | 548                  | 2,591          | —                | 100                                                   | 9            | —                    | 100            |
| Nebraska.....                    | 20,873             | 3,473        | 5,873                | 11,527         | 94               | 483                                                   | 102          | 63                   | 288            |
| Kansas.....                      | 15,101             | 3,071        | 3,134                | 8,296          | 812              | —                                                     | —            | —                    | —              |
| South Atlantic.....              | 171,630            | 79,190       | 49,134               | 43,508         | 11,925           | 1,643                                                 | 303          | 608                  | 834            |
| Delaware.....                    | 3,433              | 727          | 1,477                | 1,229          | —                | 54                                                    | 11           | 28                   | 17             |
| Maryland.....                    | 7,024              | 1,502        | 3,455                | 2,067          | —                | —                                                     | —            | —                    | —              |
| Virginia.....                    | 23,132             | 12,139       | 6,957                | 4,036          | 3,286            | 545                                                   | 23           | 217                  | 305            |
| West Virginia.....               | 7,034              | 2,210        | 3,308                | 2,416          | —                | 107                                                   | 29           | —                    | 78             |
| North Carolina.....              | 39,008             | 19,055       | 7,909                | 12,044         | —                | 107                                                   | 53           | 3                    | 51             |
| South Carolina.....              | 32,887             | 18,943       | 6,200                | 7,744          | 6,209            | 197                                                   | 53           | 23                   | 121            |
| Georgia.....                     | 41,216             | 20,469       | 12,233               | 8,514          | 2,430            | 346                                                   | 105          | 143                  | 98             |
| Florida.....                     | 17,190             | 4,145        | 7,595                | 5,456          | —                | 287                                                   | 29           | 94                   | 164            |
| East South Central.....          | 101,321            | 50,267       | 20,307               | 39,757         | 7,263            | 1,725                                                 | 312          | 398                  | 1,016          |
| Kentucky.....                    | 12,805             | 6,837        | 3,500                | 3,498          | —                | 275                                                   | 85           | 84                   | 106            |
| Tennessee.....                   | 30,871             | 16,158       | 5,570                | 9,143          | 74               | 613                                                   | 60           | 46                   | 507            |
| Alabama.....                     | 26,943             | 7,687        | 8,570                | 10,086         | 622              | 513                                                   | 89           | 241                  | 133            |
| Mississippi.....                 | 30,702             | 20,575       | 2,657                | 7,460          | 6,667            | 324                                                   | 78           | 27                   | 219            |
| West South Central.....          | 183,489            | 62,198       | 29,991               | 70,240         | 2,751            | 2,287                                                 | 884          | 897                  | 516            |
| Arkansas.....                    | 19,728             | 13,105       | 2,165                | 4,458          | —                | 61                                                    | 32           | —                    | 29             |
| Louisiana.....                   | 20,667             | 9,540        | 3,350                | 7,677          | —                | 348                                                   | 132          | 115                  | 101            |
| Oklahoma.....                    | 33,208             | 9,593        | 6,584                | 17,031         | —                | 382                                                   | 119          | 127                  | 136            |
| Texas.....                       | 86,925             | 29,990       | 17,892               | 41,074         | 2,751            | 1,506                                                 | 601          | 655                  | 250            |
| Mountain.....                    | 44,498             | 10,641       | 16,124               | 17,781         | 566              | 1,866                                                 | 381          | 593                  | 892            |
| Montana.....                     | 3,634              | 1,496        | 885                  | 1,082          | —                | 148                                                   | 7            | —                    | 141            |
| Idaho.....                       | 3,920              | 1,678        | 829                  | 1,415          | —                | 167                                                   | 64           | 30                   | 73             |
| Wyoming.....                     | 3,956              | 1,371        | 1,800                | 785            | —                | 68                                                    | 30           | 5                    | 33             |
| Colorado.....                    | 14,439             | 2,132        | 5,946                | 6,381          | 181              | 1,012                                                 | 161          | 394                  | 457            |
| New Mexico.....                  | 2,871              | 707          | 446                  | 1,718          | —                | 37                                                    | 16           | —                    | 21             |
| Arizona.....                     | 4,844              | 892          | 1,800                | 2,152          | —                | 9                                                     | 3            | —                    | 6              |
| Utah.....                        | 9,011              | 2,202        | 2,883                | 3,926          | 434              | 375                                                   | 91           | 143                  | 141            |
| Nevada.....                      | 1,911              | 195          | 1,434                | 282            | —                | 50                                                    | 9            | 21                   | 20             |
| Pacific.....                     | 101,768            | 12,541       | 55,243               | 33,984         | 182              | 1,179                                                 | 109          | 526                  | 644            |
| Washington.....                  | 10,038             | 2,994        | 4,500                | 2,544          | 182              | 69                                                    | 12           | 14                   | 43             |
| Oregon.....                      | 7,915              | 2,150        | 2,524                | 3,241          | —                | 369                                                   | 67           | 67                   | 245            |
| California.....                  | 83,815             | 7,397        | 48,219               | 23,199         | —                | 741                                                   | 30           | 455                  | 256            |
| Hawaii.....                      | 7,080              | 1,151        | 1,082                | 4,247          | —                | 166                                                   | 55           | 31                   | 80             |
| Puerto Rico.....                 | 14,995             | 4,734        | 4,814                | 5,945          | 724              | 262                                                   | 119          | 26                   | 117            |

<sup>1</sup> Includes Hawaii and Puerto Rico.

Source: Office of Education, Department of the Interior.

# No. 131.—VOCATIONAL EDUCATION: EXPENDITURES UNDER THE VOCATIONAL EDUCATION ACTS, FOR YEARS ENDED JUNE 30

## EXPENDITURES FOR ALL SCHOOLS, EXCEPT TEACHER TRAINING

| Classification of expenditure               | 1920        | 1930         | 1932         | 1933         | 1934         | 1935         |
|---------------------------------------------|-------------|--------------|--------------|--------------|--------------|--------------|
|                                             | Dollars     | Dollars      | Dollars      | Dollars      | Dollars      | Dollars      |
| <b>Total</b> .....                          | 8, 885, 500 | 27, 405, 488 | 30, 767, 572 | 27, 760, 956 | 26, 012, 340 | 27, 073, 655 |
| From Federal money.....                     | 1, 745, 298 | 6, 381, 381  | 7, 365, 811  | 6, 779, 194  | 6, 063, 770  | 8, 373, 259  |
| From State money.....                       | 2, 008, 306 | 7, 166, 810  | 7, 896, 888  | 7, 194, 631  | 6, 181, 642  | 6, 847, 080  |
| From local money.....                       | 3, 134, 896 | 13, 877, 307 | 15, 604, 878 | 13, 787, 231 | 13, 767, 028 | 12, 853, 316 |
| Agricultural schools.....                   | 2, 437, 285 | 8, 743, 382  | 10, 212, 810 | 9, 468, 635  | 8, 333, 670  | 8, 865, 609  |
| From Federal money.....                     | 889, 886    | 3, 173, 024  | 3, 688, 513  | 3, 364, 441  | 3, 006, 950  | 3, 716, 954  |
| From State money.....                       | 678, 824    | 1, 787, 246  | 2, 123, 443  | 1, 979, 739  | 1, 629, 192  | 1, 499, 005  |
| From local money.....                       | 868, 575    | 3, 782, 512  | 4, 400, 854  | 4, 124, 355  | 3, 697, 528  | 3, 650, 650  |
| Trade or industrial schools.....            | 2, 408, 919 | 8, 814, 566  | 10, 058, 107 | 9, 584, 005  | 10, 491, 668 | 10, 904, 892 |
| From Federal money.....                     | 569, 385    | 1, 718, 733  | 1, 870, 906  | 1, 735, 810  | 1, 606, 096  | 2, 648, 651  |
| From State money.....                       | 788, 568    | 2, 538, 657  | 2, 614, 280  | 2, 827, 827  | 2, 966, 403  | 2, 686, 871  |
| From local money.....                       | 1, 112, 966 | 4, 557, 176  | 5, 272, 922  | 5, 020, 368  | 5, 919, 169  | 5, 569, 370  |
| Home economics schools.....                 | 1, 064, 489 | 4, 352, 087  | 5, 129, 039  | 4, 677, 658  | 4, 331, 978  | 5, 080, 603  |
| From Federal money.....                     | 155, 768    | 678, 226     | 1, 130, 898  | 1, 116, 077  | 958, 579     | 1, 355, 404  |
| From State money.....                       | 329, 634    | 1, 286, 530  | 1, 402, 953  | 1, 258, 538  | 929, 520     | 1, 136, 304  |
| From local money.....                       | 569, 087    | 2, 417, 281  | 2, 595, 688  | 2, 303, 043  | 2, 443, 873  | 2, 628, 895  |
| Part-time general continuation schools..... | 987, 807    | 5, 465, 513  | 5, 367, 618  | 4, 030, 758  | 2, 855, 024  | 2, 272, 551  |
| From Federal money.....                     | 190, 269    | 790, 798     | 675, 995     | 562, 866     | 492, 145     | 643, 250     |
| From State money.....                       | 213, 280    | 1, 554, 377  | 1, 456, 207  | 1, 128, 427  | 955, 421     | 524, 900     |
| From local money.....                       | 584, 268    | 3, 120, 338  | 3, 235, 414  | 2, 339, 455  | 1, 705, 458  | 1, 104, 401  |

## EXPENDITURES FOR TEACHER-TRAINING INSTITUTIONS

|                                                        | 1920        | 1930        | 1932        | 1933        | 1934        | 1935        |
|--------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Total</b> .....                                     | 1, 646, 683 | 2, 453, 400 | 2, 630, 873 | 2, 201, 883 | 2, 071, 475 | 2, 213, 478 |
| From Federal money.....                                | 731, 204    | 1, 042, 844 | 1, 049, 022 | 949, 051    | 887, 175    | 998, 721    |
| From State money.....                                  | 661, 979    | 1, 066, 338 | 1, 135, 335 | 1, 006, 034 | 907, 069    | 932, 553    |
| From local money.....                                  | 253, 460    | 344, 219    | 346, 515    | 306, 897    | 277, 241    | 282, 202    |
| Training teachers of agriculture.....                  | 556, 580    | 826, 444    | 801, 712    | 715, 395    | 664, 775    | 742, 109    |
| From Federal money.....                                | 250, 835    | 352, 036    | 333, 562    | 295, 635    | 283, 490    | 333, 489    |
| From State money.....                                  | 232, 013    | 364, 893    | 365, 796    | 320, 745    | 262, 760    | 312, 245    |
| From local money.....                                  | 73, 732     | 108, 915    | 102, 854    | 99, 016     | 85, 559     | 95, 375     |
| Training teachers of trade or industrial subjects..... | 490, 655    | 770, 802    | 855, 359    | 742, 711    | 674, 046    | 695, 424    |
| From Federal money.....                                | 226, 765    | 342, 345    | 364, 873    | 328, 487    | 300, 663    | 321, 222    |
| From State money.....                                  | 210, 199    | 345, 343    | 396, 399    | 344, 429    | 299, 155    | 307, 978    |
| From local money.....                                  | 53, 691     | 83, 114     | 94, 417     | 71, 768     | 74, 228     | 66, 224     |
| Training teachers of home economics.....               | 599, 428    | 856, 155    | 873, 801    | 803, 876    | 732, 654    | 775, 543    |
| From Federal money.....                                | 253, 004    | 347, 863    | 356, 887    | 328, 929    | 303, 050    | 344, 010    |
| From State money.....                                  | 219, 767    | 363, 102    | 373, 170    | 340, 563    | 315, 154    | 312, 330    |
| From local money.....                                  | 126, 657    | 155, 190    | 149, 744    | 135, 084    | 114, 444    | 119, 608    |

## TOTAL EXPENDITURES FROM FEDERAL MONEY, BY STATES

| State              | 1920        | 1930        | 1935        | State               | 1920     | 1930     | 1935     |
|--------------------|-------------|-------------|-------------|---------------------|----------|----------|----------|
|                    | Dollars     | Dollars     | Dollars     |                     | Dollars  | Dollars  | Dollars  |
| <b>Total</b> ..... | 2, 476, 503 | 7, 404, 223 | 9, 371, 980 | Nevada.....         | 13, 849  | 24, 993  | 29, 556  |
| Alabama.....       | 54, 672     | 170, 491    | 219, 212    | New Hampshire.....  | 10, 913  | 28, 107  | 35, 143  |
| Arizona.....       | 18, 146     | 34, 310     | 41, 967     | New Jersey.....     | 63, 564  | 206, 848 | 262, 326 |
| Arkansas.....      | 43, 615     | 133, 793    | 180, 283    | New Mexico.....     | 19, 144  | 35, 339  | 48, 116  |
| California.....    | 70, 477     | 236, 129    | 358, 536    | New York.....       | 191, 061 | 680, 031 | 822, 650 |
| Colorado.....      | 23, 001     | 68, 038     | 81, 013     | North Carolina..... | 45, 185  | 192, 201 | 264, 953 |
| Connecticut.....   | 39, 028     | 78, 486     | 97, 308     | North Dakota.....   | 20, 211  | 57, 605  | 50, 719  |
| Delaware.....      | 17, 612     | 27, 377     | 43, 754     | Ohio.....           | 131, 378 | 399, 615 | 491, 143 |
| Florida.....       | 24, 187     | 67, 611     | 114, 829    | Oklahoma.....       | 39, 361  | 150, 829 | 197, 013 |
| Georgia.....       | 69, 412     | 216, 311    | 274, 872    | Oregon.....         | 24, 671  | 58, 381  | 75, 403  |
| Idaho.....         | 20, 181     | 38, 975     | 47, 299     | Pennsylvania.....   | 196, 604 | 567, 658 | 641, 888 |
| Illinois.....      | 159, 998    | 424, 459    | 428, 023    | Rhode Island.....   | 20, 728  | 50, 210  | 57, 083  |
| Indiana.....       | 74, 206     | 208, 760    | 264, 263    | South Carolina..... | 44, 252  | 126, 656 | 170, 874 |
| Iowa.....          | 54, 940     | 173, 097    | 152, 235    | South Dakota.....   | 10, 872  | 44, 212  | 43, 357  |
| Kansas.....        | 35, 606     | 108, 912    | 123, 774    | Tennessee.....      | 45, 477  | 175, 453 | 236, 254 |
| Kentucky.....      | 51, 413     | 165, 889    | 205, 990    | Texas.....          | 90, 740  | 339, 279 | 521, 892 |
| Louisiana.....     | 43, 390     | 128, 466    | 175, 059    | Utah.....           | 19, 962  | 37, 718  | 50, 133  |
| Maine.....         | 19, 672     | 44, 470     | 64, 596     | Vermont.....        | 17, 602  | 35, 827  | 32, 357  |
| Maryland.....      | 25, 664     | 85, 394     | 104, 497    | Virginia.....       | 62, 751  | 171, 287 | 222, 720 |
| Massachusetts..... | 100, 881    | 241, 466    | 274, 934    | Washington.....     | 34, 947  | 95, 874  | 101, 727 |
| Michigan.....      | 82, 749     | 254, 335    | 368, 227    | West Virginia.....  | 28, 509  | 91, 180  | 106, 595 |
| Minnesota.....     | 65, 322     | 173, 168    | 220, 412    | Wisconsin.....      | 60, 966  | 188, 283 | 240, 566 |
| Mississippi.....   | 49, 393     | 138, 074    | 205, 896    | Wyoming.....        | 13, 383  | 28, 487  | 44, 131  |
| Missouri.....      | 74, 626     | 240, 648    | 284, 813    | Hawaii.....         |          | 30, 689  | 45, 871  |
| Montana.....       | 18, 990     | 39, 999     | 55, 865     | Puerto Rico.....    |          |          | 99, 451  |
| Nebraska.....      | 33, 292     | 88, 866     | 101, 317    |                     |          |          |          |

Source: Office of Education, Department of the Interior.

# No. 132.—VOCATIONAL REHABILITATION OF PERSONS DISABLED IN INDUSTRY OR OTHERWISE: YEARS ENDED JUNE 30

NOTE.—By the civilian vocational rehabilitation act of June 2, 1920, Congress set up a program of cooperation with the States for the vocational rehabilitation of persons disabled in industry or otherwise. By the end of the fiscal year 1935 all but 3 States had accepted the provisions and begun cooperation with the Federal Government. The figures shown relate only to cases aided by Federal funds. The total expenditure in 1935 (fiscal year) comprised: Federal funds, \$1,031,818, State and private funds, \$1,216,129

| State                     | Number rehabilitated |        |        |        |        |        | Live cases on roll June 30 |                  |         |         |                     |                   |
|---------------------------|----------------------|--------|--------|--------|--------|--------|----------------------------|------------------|---------|---------|---------------------|-------------------|
|                           | 1928                 | 1930   | 1932   | 1933   | 1934   | 1935   | 1928                       | 1930             | 1932    | 1933    | 1934                | 1935 <sup>1</sup> |
| Total.....                | 5, 012               | 4, 612 | 5, 550 | 5, 613 | 8, 062 | 9, 422 | 16, 393                    | 20, 364          | 27, 403 | 30, 619 | 37, 681             | 40, 941           |
| Alabama.....              | 129                  | 170    | 212    | 163    | 170    | 214    | 1, 124                     | 1, 082           | 1, 321  | 1, 130  | 1, 207              | 1, 099            |
| Arizona.....              | 41                   | 30     | 23     | 26     | 34     | 44     | 40                         | 55               | 109     | 186     | 234                 | 216               |
| Arkansas.....             | 26                   | 45     | 58     | 43     | 53     | 63     | 320                        | 431              | 611     | 664     | 678                 | 768               |
| California.....           | 207                  | 257    | 241    | 342    | 483    | 675    | 733                        | 605              | 1, 125  | 1, 452  | 1, 892              | 2, 341            |
| Colorado.....             | 7                    | 9      | 23     | 27     | 54     | 81     | 44                         | 86               | 161     | 246     | 356                 | 361               |
| Connecticut.....          | -----                | -----  | 23     | 14     | 34     | 87     | -----                      | -----            | 148     | 160     | 471                 | 299               |
| District of Columbia..... | -----                | -----  | -----  | 58     | 94     | 190    | -----                      | -----            | -----   | 333     | 404                 | 544               |
| Florida.....              | -----                | 22     | 32     | 28     | 50     | 101    | 204                        | 351              | 470     | 460     | 490                 | 405               |
| Georgia.....              | 86                   | 114    | 167    | 132    | 200    | 201    | 403                        | 454              | 605     | 674     | 727                 | 1, 084            |
| Idaho.....                | 26                   | 15     | 25     | 28     | 37     | 46     | 66                         | 102              | 126     | 185     | 178                 | 191               |
| Illinois.....             | 469                  | 233    | 723    | 658    | 653    | 695    | 900                        | 810              | 775     | 657     | 917                 | 813               |
| Indiana.....              | 99                   | 140    | 80     | 89     | 120    | 312    | 511                        | 628              | 801     | 702     | 1, 226              | 1, 351            |
| Iowa.....                 | 61                   | 71     | 67     | 52     | 69     | 102    | 293                        | 200              | 273     | 292     | 333                 | 409               |
| Kentucky.....             | 60                   | 146    | 193    | 227    | 254    | 307    | 422                        | 608              | 734     | 871     | 830                 | 1, 085            |
| Louisiana.....            | 71                   | 35     | 71     | 57     | 71     | 81     | 191                        | 271              | 782     | 472     | 567                 | 613               |
| Maine.....                | 11                   | 23     | 22     | 14     | 31     | 50     | 156                        | 139              | 146     | 175     | 238                 | 210               |
| Maryland.....             | -----                | 5      | 41     | 43     | 73     | 101    | -----                      | 74               | 204     | 185     | 188                 | 397               |
| Massachusetts.....        | 129                  | 132    | 109    | 91     | 149    | 151    | 287                        | 301              | 575     | 495     | 583                 | 658               |
| Michigan.....             | 305                  | 283    | 401    | 458    | 1, 000 | 1, 111 | 801                        | 876              | 1, 711  | 2, 068  | 2, 738              | 3, 003            |
| Minnesota.....            | 157                  | 149    | 214    | 217    | 302    | 361    | 334                        | 400              | 561     | 637     | 676                 | 761               |
| Mississippi.....          | 142                  | 139    | 140    | 112    | 135    | 146    | 679                        | 809              | 937     | 1, 132  | 1, 208              | 1, 552            |
| Missouri.....             | -----                | -----  | 29     | 57     | 89     | 89     | ( <sup>2</sup> )           | ( <sup>2</sup> ) | 55      | 93      | 91                  | 92                |
| Montana.....              | 15                   | 18     | 16     | 26     | 31     | 41     | 74                         | 97               | 141     | 144     | 175                 | 267               |
| Nebraska.....             | 46                   | 53     | 45     | 40     | 40     | 47     | 139                        | 144              | 153     | 175     | 202                 | 227               |
| Nevada.....               | 7                    | 10     | 7      | 15     | 20     | 22     | 22                         | 12               | 65      | 53      | 75                  | 79                |
| New Hampshire.....        | -----                | -----  | 9      | 13     | 32     | 47     | -----                      | -----            | 225     | 379     | 618                 | 326               |
| New Jersey.....           | 594                  | 243    | 303    | 273    | 415    | 479    | 717                        | 1, 037           | 1, 248  | 1, 375  | 1, 888              | 1, 822            |
| New Mexico.....           | 10                   | 14     | 28     | 35     | 20     | 31     | 62                         | 73               | 63      | 56      | 93                  | 115               |
| New York.....             | 509                  | 540    | 505    | 538    | 744    | 703    | 1, 498                     | 1, 821           | 2, 581  | 2, 775  | 2, 704              | 2, 428            |
| North Carolina.....       | 102                  | 72     | 124    | 125    | 201    | 230    | 721                        | 722              | 755     | 960     | 1, 058              | 1, 243            |
| North Dakota.....         | 25                   | 34     | 31     | 37     | 40     | 53     | 97                         | 151              | 112     | 129     | 83                  | 176               |
| Ohio.....                 | 555                  | 471    | 430    | 377    | 498    | 472    | 652                        | 971              | 1, 045  | 974     | 903                 | 1, 052            |
| Oklahoma.....             | 59                   | 110    | 187    | 87     | 166    | 212    | 1, 184                     | 1, 547           | 1, 415  | 1, 646  | 1, 894              | 1, 789            |
| Oregon.....               | 41                   | 18     | 36     | 22     | 21     | 58     | 76                         | 54               | 61      | 34      | 216                 | 201               |
| Pennsylvania.....         | 435                  | 398    | 232    | 203    | 421    | 456    | 1, 302                     | 1, 719           | 1, 760  | 2, 272  | 3, 439              | 2, 961            |
| Rhode Island.....         | 8                    | 9      | 9      | 10     | 18     | 24     | 31                         | 53               | 76      | 88      | 110                 | 132               |
| South Carolina.....       | 1                    | 11     | 33     | 54     | 69     | 96     | 69                         | 374              | 343     | 533     | 635                 | 605               |
| South Dakota.....         | 14                   | 12     | 20     | 25     | 18     | 39     | 114                        | 69               | 94      | 134     | 128                 | 126               |
| Tennessee.....            | 166                  | 124    | 83     | 173    | 224    | 153    | 729                        | 677              | 1, 140  | 1, 561  | 4, 051              | 4, 051            |
| Texas.....                | -----                | 12     | 132    | 152    | 283    | 210    | -----                      | 144              | 995     | 911     | 1, 009              | 1, 528            |
| Utah.....                 | 34                   | 33     | 40     | 40     | 45     | 50     | 73                         | 102              | 118     | 105     | 235                 | 268               |
| Virginia.....             | 75                   | 38     | 77     | 103    | 203    | 240    | 314                        | 800              | 993     | 1, 088  | 1, 281              | 970               |
| Washington.....           | -----                | -----  | -----  | -----  | -----  | 35     | -----                      | -----            | -----   | -----   | 233                 | 378               |
| West Virginia.....        | 114                  | 103    | 66     | 71     | 91     | 119    | 249                        | 289              | 210     | 236     | 406                 | 380               |
| Wisconsin.....            | 174                  | 193    | 180    | 185    | 260    | 344    | 899                        | 1, 006           | 1, 493  | 1, 839  | 2, 185 <sup>3</sup> | 3, 367            |
| Wyoming.....              | 2                    | 28     | 60     | 68     | 86     | 57     | 153                        | 139              | 195     | 243     | 269                 | 198               |

<sup>1</sup> Figures are subject to slight corrections.

<sup>2</sup> Includes 56 applications pending.

<sup>3</sup> The status of these cases on June 30, 1935, was as follows: Surveyed, under advisement, 17,328; in training, 11,108; in other preparation status, 1,500; training interrupted, 1,128; awaiting placement after training, 4,365; awaiting placement after other preparation service, 3,806; in employment, being followed up, 1,706.

<sup>4</sup> Live roll not reported. Closed, lack of State appropriation, 1925 to 1930.

<sup>5</sup> In addition to this number, Wisconsin reports 1,644 prospective cases.

Source: Office of Education, Department of the Interior.

## 6. PUBLIC LANDS

**GENERAL NOTE.**—An original entry is a first claim to receive a given tract of public land. Perfected entry of the claim is made after required lapse of time and compliance with other conditions

### No. 133.—ENTRIES AND PATENTS OF PUBLIC AND INDIAN LAND: ACREAGE, YEARS ENDED JUNE 30

| Class                               | 1934             |                   |             | 1935             |                   |             |
|-------------------------------------|------------------|-------------------|-------------|------------------|-------------------|-------------|
|                                     | Original entries | Perfected entries | Pat-ented   | Original entries | Perfected entries | Patented    |
| <b>Total</b> .....                  | 3, 584, 883      | 1, 225, 032       | 1, 395, 452 | 1, 759, 078      | 1, 771, 703       | 1, 617, 431 |
| Homesteads.....                     | 2, 862, 142      | 1, 164, 871       | 916, 574    | 1, 193, 312      | 1, 731, 689       | 1, 289, 004 |
| Stock raising.....                  | 2, 567, 888      | 937, 402          | 726, 859    | 1, 051, 870      | 1, 477, 886       | 1, 049, 131 |
| Enlarged.....                       | 77, 358          | 100, 827          | 82, 589     | 32, 853          | 118, 432          | 109, 207    |
| Reclamation.....                    | 9, 690           | 18, 689           | 23, 224     | 17, 251          | 21, 504           | 27, 463     |
| Forest.....                         | 2, 631           | 5, 538            | 7, 264      | 1, 389           | 4, 247            | 5, 314      |
| Commuted.....                       | —                | 5, 674            | 1, 668      | —                | 4, 438            | —           |
| Sec. 2289 <sup>2</sup> , et al..... | 204, 275         | 96, 741           | 74, 970     | 89, 949          | 105, 182          | 97, 880     |
| Deserts.....                        | 6, 456           | 6, 699            | 7, 567      | 5, 082           | 9, 565            | 33, 116     |
| Public auction.....                 | —                | 7, 863            | 9, 970      | —                | 2, 015            | 5, 263      |
| Timber and stone.....               | —                | 1, 573            | 1, 430      | —                | 1, 822            | 1, 539      |
| State selection.....                | 662, 689         | —                 | —           | 228, 898         | —                 | —           |
| Mineral.....                        | —                | 7, 005            | 22, 021     | —                | 7, 429            | 10, 523     |
| Railroad.....                       | 43, 146          | —                 | 64, 667     | —                | 768               | 12, 762     |
| Miscellaneous.....                  | 10, 450          | 37, 021           | 1 373, 323  | 331, 025         | 19, 133           | 1 265, 234  |

<sup>1</sup> Includes 105,920 acres in 1934 and 223,301 acres in 1935, certified to States.

<sup>2</sup> Original act.

### No. 134.—ENTRIES OF PUBLIC AND INDIAN LAND: ACREAGE UNDER ALL ACTS, YEARS ENDED JUNE 30

**NOTE.**—Offices are not maintained in States where only small areas of public lands remain undisposed of; entries in these States, if any, are made directly in the General Land Office (Washington, D. C.) and figures are grouped under that heading in the following table

| Item and State                     | Original entries     |                      |             |             |                  | Perfected entries, 1935 | Pat-ented, 1935 |
|------------------------------------|----------------------|----------------------|-------------|-------------|------------------|-------------------------|-----------------|
|                                    | 1926-1930, total     | 1931-1935, total     | 1932        | 1933        | 1934             | 1935                    |                 |
| <b>Total</b> .....                 | 20, 611, 977         | 18, 232, 143         | 4, 551, 774 | 3, 117, 781 | 3, 584, 883      | 1, 759, 078             | 1, 617, 431     |
| Public land.....                   | 19, 915, 866         | 17, 754, 198         | 4, 415, 663 | 3, 045, 649 | 3, 509, 925      | 1, 731, 667             | 1, 679, 722     |
| Indian land.....                   | 696, 111             | 477, 945             | 136, 111    | 72, 132     | 74, 958          | 27, 411                 | 91, 681         |
| All homesteads.....                | 19, 072, 070         | 15, 743, 383         | 4, 049, 854 | 2, 714, 029 | 2, 862, 142      | 1, 193, 312             | 1, 731, 689     |
| Stock-raising home-<br>steads..... | 15, 357, 627         | 13, 723, 337         | 3, 543, 582 | 2, 358, 231 | 2, 567, 888      | 1, 067, 870             | 1, 477, 886     |
| Other entries.....                 | 1, 539, 907          | 2, 488, 760          | 601, 920    | 403, 752    | 722, 741         | 565, 796                | 40, 014         |
| Alabama.....                       | <sup>2</sup> 9, 770  | ( <sup>3</sup> )     | —           | —           | —                | —                       | 1, 955          |
| Alaska.....                        | 34, 562              | 40, 118              | 10, 889     | 9, 416      | 5, 915           | 7, 098                  | 4, 998          |
| Arizona.....                       | 1, 907, 087          | 2, 900, 417          | 679, 632    | 481, 971    | 759, 433         | 481, 820                | 196, 100        |
| Arkansas.....                      | 125, 143             | <sup>4</sup> 43, 688 | 15, 241     | 10, 830     | ( <sup>3</sup> ) | —                       | 10, 848         |
| California.....                    | 1, 796, 061          | 1, 120, 637          | 265, 423    | 197, 859    | 135, 520         | 222, 214                | 105, 225        |
| Colorado.....                      | 2, 071, 887          | 1, 436, 974          | 373, 900    | 254, 511    | 255, 853         | 89, 172                 | 115, 046        |
| Florida.....                       | 88, 010              | <sup>4</sup> 9, 565  | 2, 463      | 2, 616      | ( <sup>3</sup> ) | —                       | 1, 738          |
| Idaho.....                         | 971, 117             | 704, 352             | 163, 629    | 117, 109    | 148, 873         | 55, 416                 | 69, 038         |
| Louisiana.....                     | <sup>2</sup> 5, 732  | ( <sup>3</sup> )     | —           | —           | —                | —                       | 6, 046          |
| Minnesota.....                     | 55, 817              | <sup>4</sup> 16, 020 | 4, 701      | 4, 694      | ( <sup>3</sup> ) | —                       | 1, 314          |
| Montana.....                       | 2, 071, 313          | 1, 409, 447          | 359, 661    | 244, 117    | 277, 540         | 110, 189                | 142, 210        |
| Nebraska.....                      | 63, 267              | <sup>4</sup> 17, 508 | 4, 984      | 3, 818      | ( <sup>3</sup> ) | —                       | 7, 285          |
| Nevada.....                        | 356, 179             | 105, 123             | 28, 580     | 28, 020     | 13, 627          | 2, 852                  | 6, 638          |
| New Mexico.....                    | 4, 109, 018          | 4, 676, 789          | 1, 245, 097 | 793, 833    | 813, 004         | 316, 114                | 328, 044        |
| North Dakota.....                  | <sup>2</sup> 64, 761 | 62, 333              | 20, 888     | 11, 187     | 18, 234          | 12, 310                 | 5, 480          |
| Oklahoma.....                      | <sup>2</sup> 55, 871 | ( <sup>3</sup> )     | —           | —           | —                | —                       | 1, 105          |
| Oregon.....                        | 808, 352             | 630, 098             | 117, 026    | 96, 761     | 120, 158         | 54, 804                 | 48, 275         |
| South Dakota.....                  | 327, 119             | 252, 454             | 59, 678     | 35, 938     | 54, 988          | 42, 592                 | 42, 880         |
| Utah.....                          | 1, 388, 576          | 675, 153             | 174, 133    | 105, 387    | 135, 335         | 30, 380                 | 45, 739         |
| Washington.....                    | 173, 689             | 83, 154              | 16, 517     | 17, 934     | 14, 287          | 9, 438                  | 6, 599          |
| Wyoming.....                       | 4, 121, 209          | 3, 930, 670          | 994, 731    | 680, 910    | 797, 218         | 354, 195                | 384, 665        |
| General Land Office.....           | 37, 483              | 97, 596              | 11, 252     | 20, 830     | 34, 898          | 20, 514                 | 6, 741          |

<sup>1</sup> Includes 223,301 acres certified to States.

<sup>3</sup> Office closed, see headnote.

<sup>2</sup> 1926 and 1927 only.

<sup>4</sup> 1931 to 1933.

Source of tables 133 and 134: General Land Office, Department of the Interior.



**No. 135.—HOMESTEADS: ACREAGE OF ENTRIES OF PUBLIC LAND, YEARS  
ENDED JUNE 30**

| Item and State                                                | All homesteads   |                  |                  |             |             |             | Stock raising only, 1935 |
|---------------------------------------------------------------|------------------|------------------|------------------|-------------|-------------|-------------|--------------------------|
|                                                               | 1921-1925, total | 1926-1930, total | 1931-1935, total | 1932        | 1933        | 1934        | 1935                     |
| Original entries, total.....                                  | 35, 079, 617     | 18, 580, 143     | 16, 268, 771     | 3, 914, 242 | 2, 641, 981 | 2, 787, 213 | 1, 185, 951              |
| Alabama.....                                                  | 34, 139          | 1 9, 770         | (?)              |             |             |             |                          |
| Alaska.....                                                   | 51, 012          | 38, 549          | 38, 559          | 10, 989     | 8, 277      | 5, 755      | 7, 068                   |
| Arizona.....                                                  | 1, 452, 551      | 1, 727, 167      | 1, 124, 034      | 301, 628    | 185, 390    | 145, 471    | 48, 746                  |
| Arkansas.....                                                 | 215, 172         | 125, 002         | 4 43, 298        | 15, 174     | 10, 659     | (?)         |                          |
| California.....                                               | 2, 201, 327      | 1, 608, 883      | 903, 623         | 260, 451    | 187, 024    | 132, 908    | 54, 485                  |
| Colorado.....                                                 | 4, 368, 182      | 1, 528, 449      | 1, 028, 298      | 254, 205    | 192, 467    | 188, 657    | 72, 941                  |
| Florida.....                                                  | 168, 086         | 80, 305          | 4 2, 564         | 2, 463      | 2, 616      | (?)         |                          |
| Idaho.....                                                    | 1, 842, 650      | 927, 604         | 694, 431         | 162, 653    | 115, 855    | 148, 028    | 54, 036                  |
| Kansas.....                                                   | 46, 016          | (?)              |                  |             |             |             |                          |
| Louisiana.....                                                | 14, 740          | 1 5, 732         | (?)              |             |             |             |                          |
| Michigan.....                                                 | 21, 804          | (?)              |                  |             |             |             |                          |
| Minnesota.....                                                | 47, 147          | 43, 410          | 4 4, 947         | 1, 586      | 1, 449      | (?)         |                          |
| Mississippi.....                                              | 22, 768          | (?)              |                  |             |             |             |                          |
| Montana.....                                                  | 4 4, 528, 483    | 1, 806, 547      | 1, 384, 188      | 3 350, 806  | 3 232, 957  | 3 275, 095  | 3 109, 821               |
| Nebraska.....                                                 | 122, 986         | 63, 187          | 4 17, 468        | 4, 944      | 3, 818      | (?)         |                          |
| Nevada.....                                                   | 281, 532         | 214, 769         | 97, 670          | 25, 539     | 27, 445     | 13, 829     | 2, 043                   |
| New Mexico.....                                               | 0, 785, 794      | 3, 623, 888      | 4 387, 629       | 1, 152, 887 | 721, 579    | 737, 485    | 313, 098                 |
| North Dakota.....                                             | 128, 417         | 57, 256          | 79, 152          | 19, 928     | 10, 957     | 18, 199     | 12, 269                  |
| Oklahoma.....                                                 | 80, 546          | 1 25, 871        | (?)              |             |             |             |                          |
| Oregon.....                                                   | 2, 118, 054      | 727, 910         | 561, 227         | 115, 292    | 95, 910     | 118, 865    | 53, 711                  |
| South Dakota.....                                             | 1, 177, 594      | 276, 295         | 220, 963         | 61, 559     | 32, 370     | 52, 708     | 41, 718                  |
| Utah.....                                                     | 1, 455, 411      | 1, 260, 956      | 909, 755         | 178, 152    | 102, 247    | 58, 774     | 30, 178                  |
| Washington.....                                               | 288, 671         | 70, 088          | 67, 354          | 13, 803     | 13, 121     | 12, 447     | 9, 063                   |
| Wisconsin.....                                                | 10, 071          | (?)              |                  |             |             |             |                          |
| Wyoming.....                                                  | 7, 634, 649      | 4, 064, 145      | 3, 894, 074      | 989, 835    | 677, 253    | 790, 212    | 338, 110                 |
| General Land Office <sup>2</sup> .....                        | 820              | 34, 063          | 94, 395          | 11, 158     | 20, 550     | 34, 297     | 18, 085                  |
| Original entries, stock-raising homesteads (incl. above)..... | 26, 280, 489     | 14, 828, 804     | 13, 312, 779     | 3, 420, 644 | 2, 297, 931 | 2, 502, 926 | 1, 036, 847              |

**PERFECTED HOMESTEAD ENTRIES, ENTIRE UNITED STATES<sup>1</sup>**

| Period or year <sup>2</sup> | All homesteads | Year      | All homesteads | Year      | All homesteads | Year                  | All homesteads | Stock raising |
|-----------------------------|----------------|-----------|----------------|-----------|----------------|-----------------------|----------------|---------------|
| 1868-1870.....              | 1, 379, 116    | 1868..... | 3, 477, 232    | 1908..... | 4, 242, 711    | 1923.....             | 5, 594, 250    | 2, 627, 065   |
| 1871-1875.....              | 6, 215, 783    | 1894..... | 2, 929, 947    | 1909..... | 3, 690, 467    | 1924.....             | 4, 791, 436    | 2, 822, 211   |
| 1876-1880.....              | 11, 670, 439   | 1895..... | 2, 950, 809    | 1910..... | 3, 795, 863    | 1925.....             | 4, 048, 911    | 2, 753, 024   |
| 1881-1885.....              | 12, 030, 328   | 1896..... | 2, 790, 243    | 1911..... | 4, 620, 197    | 1926.....             | 3, 451, 106    | 2, 497, 007   |
| 1886-1890.....              | 16, 380, 272   | 1897..... | 2, 778, 404    | 1912..... | 4, 305, 069    | 1927.....             | 2, 583, 627    | 1, 982, 096   |
| 1891-1895.....              | 16, 002, 473   | 1898..... | 3, 095, 018    | 1913..... | 10, 009, 285   | 1928.....             | 1, 815, 549    | 1, 384, 802   |
| 1896-1899.....              | 15, 275, 648   | 1899..... | 3, 134, 140    | 1914..... | 9, 291, 121    | 1929.....             | 1, 700, 950    | 1, 270, 617   |
| 1900-1905.....              | 19, 812, 937   | 1900..... | 3, 477, 843    | 1915..... | 7, 180, 982    | 1930.....             | 1, 371, 073    | 1, 069, 224   |
| 1906-1910.....              | 19, 005, 358   | 1901..... | 5, 241, 121    | 1916..... | 7, 278, 281    | 1931.....             | 1, 352, 861    | 1, 026, 011   |
| 1911-1915.....              | 35, 407, 664   | 1902..... | 4, 342, 748    | 1917..... | 8, 497, 390    | 1932.....             | 1, 209, 894    | 963, 115      |
| 1916-1920.....              | 35, 909, 565   | 1903..... | 3, 576, 968    | 1918..... | 8, 236, 438    | 1933.....             | 906, 578       | 715, 017      |
| 1921-1925.....              | 29, 463, 890   | 1904..... | 3, 232, 717    | 1919..... | 6, 524, 760    | 1934.....             | 1, 123, 673    | 916, 945      |
| 1926-1930.....              | 10, 922, 305   | 1905..... | 3, 419, 387    | 1920..... | 8, 372, 698    | 1935.....             | 1, 640, 396    | 1, 416, 623   |
| 1931-1935.....              | 6, 233, 399    | 1906..... | 3, 526, 749    | 1921..... | 7, 726, 740    |                       |                |               |
| 1892.....                   | 3, 256, 897    | 1907..... | 3, 740, 568    | 1922..... | 7, 307, 034    | Total, 1868-1935..... | 239, 863, 655  | 26, 251, 860  |

<sup>1</sup> 1926 and 1927 only.<sup>2</sup> See head note, table 134.<sup>3</sup> Includes entries of abandoned military reservations.<sup>4</sup> 1931 to 1933.<sup>5</sup> Commuted homesteads are not included.<sup>6</sup> For periods figures are totals, not averages.

**No. 136.—STOCK-RAISING HOMESTEADS: ORIGINAL ENTRIES OF PUBLIC AND  
INDIAN LAND FROM PASSAGE OF ACT TO JUNE 30, 1935**

| State           | Entries  | Acres        | State                    | Entries | Acres        |
|-----------------|----------|--------------|--------------------------|---------|--------------|
| Total.....      | 184, 603 | 69, 657, 649 | Nebraska.....            | 585     | 103, 313     |
| Arizona.....    | 6, 165   | 2, 963, 297  | Nevada.....              | 929     | 493, 122     |
| Arkansas.....   | 4        | 1, 600       | New Mexico.....          | 33, 987 | 15, 636, 109 |
| California..... | 8, 421   | 3, 407, 046  | North Dakota.....        | 937     | 289, 284     |
| Colorado.....   | 20, 789  | 8, 325, 951  | Oklahoma.....            | 366     | 71, 349      |
| Idaho.....      | 7, 712   | 3, 520, 543  | Oregon.....              | 8, 223  | 3, 351, 223  |
| Kansas.....     | 233      | 58, 506      | South Dakota.....        | 7, 937  | 2, 724, 550  |
| Michigan.....   | 1        | 1, 821       | Utah.....                | 5, 076  | 2, 756, 694  |
| Minnesota.....  | 1        | 75           | Washington.....          | 1, 593  | 511, 378     |
| Montana.....    | 21, 158  | 7, 650, 665  | Wyoming.....             | 40, 230 | 18, 055, 676 |
|                 |          |              | General Land Office..... | 155     | 23, 087      |

Source of tables 135 and 136: General Land Office, Department of the Interior.

# No. 137.—TIMBER AND STONE, COAL, MINERAL, AND DESERT LAND ENTRIES OF PUBLIC LAND

| State                           | From passage of act to June 30, 1935 |                       |                     |                    | Year ended June 30, 1935 <sup>1</sup> |                |               |               |
|---------------------------------|--------------------------------------|-----------------------|---------------------|--------------------|---------------------------------------|----------------|---------------|---------------|
|                                 | Timber and stone                     | Coal                  | Desert land         |                    | Timber and stone                      | Mineral        | Desert land   |               |
|                                 |                                      |                       | Original            | Perfected          |                                       |                | Original      | Perfected     |
| <b>Acres of entries.....</b>    | <b>13, 858, 776</b>                  | <b>604, 443</b>       | <b>32, 826, 408</b> | <b>8, 666, 798</b> | <b>1, 822</b>                         | <b>7, 413</b>  | <b>5, 032</b> | <b>8, 824</b> |
| Alabama.....                    | 43, 735                              | 239                   |                     |                    |                                       |                |               |               |
| Alaska.....                     |                                      |                       |                     |                    |                                       | 819            |               |               |
| Arizona.....                    | 2, 943                               | 6, 693                | 2, 590, 415         | 369, 274           |                                       | 1, 071         | 636           | 713           |
| Arkansas.....                   | 365, 573                             |                       |                     |                    |                                       |                |               |               |
| California.....                 | 2, 899, 014                          | 5, 535                | 5, 197, 730         | 891, 794           |                                       | 1, 320         | 987           | 480           |
| Colorado.....                   | 401, 887                             | <sup>2</sup> 216, 609 | 3, 227, 741         | 713, 819           | 80                                    | 631            |               |               |
| Dakota Territory.....           |                                      | 584                   | 20, 021             | 300                |                                       |                |               |               |
| Florida.....                    | 109, 194                             |                       |                     |                    |                                       |                |               |               |
| Idaho.....                      | 1, 017, 019                          | 3, 277                | 3, 118, 349         | 1, 039, 052        |                                       | 783            | 761           | 1, 361        |
| Iowa.....                       | 119                                  |                       |                     |                    |                                       |                |               |               |
| Louisiana.....                  | 150, 277                             |                       |                     |                    |                                       |                |               |               |
| Michigan.....                   | 149, 607                             |                       |                     |                    |                                       |                |               |               |
| Minnesota.....                  | 1, 409, 175                          |                       |                     |                    |                                       |                |               |               |
| Mississippi.....                | 19, 818                              |                       |                     |                    |                                       |                |               |               |
| Montana.....                    | 664, 285                             | 64, 758               | 5, 983, 025         | 2, 772, 885        | 160                                   | 833            | 320           | 3, 613        |
| Nebraska.....                   | 97                                   |                       |                     |                    |                                       |                |               |               |
| Nevada.....                     | 6, 542                               | 1, 661                | 654, 997            | 165, 331           |                                       | 136            | 328           |               |
| New Mexico.....                 | 153                                  | 26, 613               | 2, 180, 048         | 233, 015           |                                       | 252            | 240           | 160           |
| North Dakota.....               | 8, 646                               | 9, 624                | 85, 278             | 20, 094            |                                       |                |               |               |
| Oklahoma.....                   | 40                                   |                       |                     |                    |                                       |                |               |               |
| Oregon.....                     | 3, 817, 897                          | 10, 572               | 1, 117, 819         | 299, 283           | 160                                   |                | 1, 012        | 175           |
| South Dakota.....               | 63, 910                              | 3, 624                | 609, 291            | 101, 921           |                                       |                |               |               |
| Utah.....                       | 3, 236                               | 75, 828               | 1, 513, 359         | 464, 855           | 40                                    | 1, 033         | 162           | 282           |
| Washington.....                 | 2, 174, 131                          | 64, 894               | 998, 578            | 71, 037            | 360                                   | 216            | 37            |               |
| Wisconsin.....                  | 80, 362                              |                       |                     |                    |                                       |                |               |               |
| Wyoming.....                    | 468, 142                             | 113, 924              | 5, 547, 757         | 1, 524, 120        | 560                                   | 320            | 569           | 1, 540        |
| General Land Office.....        | 7, 914                               | 8                     |                     |                    | 462                                   |                |               |               |
| <b>Number of entries.....</b>   | <b>107, 990</b>                      | <b>4, 417</b>         | <b>159, 904</b>     | <b>47, 185</b>     | <b>20</b>                             | <b>94</b>      | <b>47</b>     | <b>70</b>     |
| <b>Money payment, dollars..</b> | <b>35, 600, 559</b>                  | <b>11, 922, 602</b>   | <b>7, 899, 880</b>  | <b>8, 774, 885</b> | <b>5, 737</b>                         | <b>29, 095</b> | <b>1, 258</b> | <b>8, 824</b> |

<sup>1</sup> No entries for coal land in 1935.<sup>2</sup> Includes 58,496 acres within the Ute Reservation.

# No. 138.—ACREAGE OF PUBLIC LAND CERTIFIED OR PATENTED NO ACCOUNT OF RAILWAY AND WAGON-ROAD GRANTS: YEARS ENDED JUNE 30

|                                 | 1910-1920,<br>total | 1921-1925,<br>total | 1926-1930,<br>total   | 1931-1935,<br>total | 1932           | 1933           | 1934           | 1935           |
|---------------------------------|---------------------|---------------------|-----------------------|---------------------|----------------|----------------|----------------|----------------|
| <b>Railway grants, total...</b> | <b>5, 878, 874</b>  | <b>6, 188, 079</b>  | <b>1, 124, 880</b>    | <b>1, 284, 591</b>  | <b>62, 345</b> | <b>77, 273</b> | <b>63, 671</b> | <b>11, 723</b> |
| Alabama.....                    | 120                 |                     | <sup>1</sup> 399, 469 | <sup>2</sup> 1, 118 |                |                |                |                |
| Arizona.....                    | 1, 163, 775         | 8, 451, 578         | 188, 829              | 104, 218            | 5, 795         | 44, 400        | 39, 709        | 40             |
| Arkansas.....                   |                     | 227                 | 221                   | 1, 177              |                |                |                | 1, 110         |
| California.....                 | 319, 262            | 1, 032, 815         | 208, 604              | 76, 438             | 23, 498        | 17, 235        | 16, 060        | 8, 945         |
| Colorado.....                   | 160                 | 14, 482             | 160                   | 7                   | 7              |                |                |                |
| Florida.....                    |                     | 639                 | 1, 005                | 80                  |                |                |                |                |
| Idaho.....                      | 102, 108            | 170, 611            |                       | 2, 315              | 345            | 843            |                |                |
| Iowa.....                       | 80                  |                     | 78                    |                     |                |                |                |                |
| Kansas.....                     |                     | 40                  | 19                    |                     |                |                |                |                |
| Louisiana.....                  | 484                 |                     | 1, 044                |                     |                |                |                |                |
| Michigan.....                   |                     |                     | 510                   | 316                 |                | 316            |                |                |
| Minnesota.....                  | 5, 744              | 328                 | 5, 220                | 297                 | 116            | 96             | 56             | 29             |
| Missouri.....                   | 240                 | 600                 |                       |                     |                |                |                |                |
| Montana.....                    | 1, 704, 549         | 251, 343            | 2, 716                | 21, 103             | 14, 507        | 1, 141         | 50             |                |
| Nebraska.....                   |                     | 200                 | 486                   | 42                  |                |                |                |                |
| Nevada.....                     | 515, 222            | 712, 554            | 163, 700              | 31, 685             | 4, 207         | 11, 368        | 7, 230         |                |
| New Mexico.....                 | 1, 526, 406         | 344, 121            | 146, 462              | 14, 847             | 11, 741        | 1, 546         |                | 1, 520         |
| North Dakota.....               | 628                 | 70                  |                       |                     |                |                |                |                |
| Oregon.....                     | 39, 872             | 23, 986             | 120                   | 3, 790              |                | 40             |                |                |
| Utah.....                       | 112, 351            | 160                 | 1, 280                | 3, 019              |                |                | 476            |                |
| Washington.....                 | 381, 113            | 166, 283            | 2, 979                | 3, 159              | 1, 807         | 208            |                |                |
| Wisconsin.....                  | 720                 | 1, 405              | 1, 693                | 99                  |                |                |                | 80             |
| Wyoming.....                    | 7, 344              | 14, 624             | 320                   | 883                 | 282            | 80             |                |                |
| <b>Wagon-road grants...</b>     | <b>19, 637</b>      | <b>34, 366</b>      | <b>2, 788</b>         | <b>62, 530</b>      |                |                |                |                |

<sup>1</sup> Figures for 1926-1930 includes 398,900 acres and for 1931-1935, 1,118 acres for Muscle Shoals (river improvement).<sup>2</sup> 1931 only; acreage is for Muscle Shoals (river improvement).

Source of tables 137 and 138: General Land Office, Department of the Interior.

No. 139.—ACREAGE OF LAND CERTIFIED OR PATENTED UNDER RAILWAY OR WAGON-ROAD GRANTS FROM 1850 TO JUNE 30, 1935

|                                                                             |            |                                                                                                                                                                                                                                        |            |
|-----------------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| State grants, total                                                         | 38,207,706 | Minnesota, total                                                                                                                                                                                                                       | 8,046,090  |
| Illinois: Illinois Central                                                  | 2,596,133  | St. Paul, Minneapolis & Manitoba<br>(formerly first division, St. Paul & Pacific)                                                                                                                                                      |            |
| Mississippi, total                                                          | 1,075,345  | Western R. R. (succeeded by St. Paul & Northern Pacific R. Co.)                                                                                                                                                                        | 8,272,846  |
| Mobile & Ohio                                                               | 737,180    | St. Paul, Minneapolis & Manitoba<br>(formerly St. Vincent extension of the St. Paul & Pacific)                                                                                                                                         |            |
| Vicksburg & Meridian                                                        | 199,102    | Minnesota Central                                                                                                                                                                                                                      | 170,734    |
| Gulf & Ship Island                                                          | 139,113    | Winona & St. Peter                                                                                                                                                                                                                     | 1,681,026  |
| Alabama, total                                                              | 3,147,148  | St. Paul & Sioux City                                                                                                                                                                                                                  | 1,126,619  |
| Mobile & Ohio                                                               | 419,528    | St. Paul & Duluth                                                                                                                                                                                                                      | 861,133    |
| Alabama & Florida                                                           | 399,023    | Southern Minnesota, from a point on the Mississippi River to Houston                                                                                                                                                                   |            |
| Selma, Rome & Dalton                                                        | 458,671    | Southern Minnesota Extension (now Chicago, Milwaukee & St. Paul)                                                                                                                                                                       | 546,745    |
| Coosa & Tennessee                                                           | 67,956     | Hastings & Dakota                                                                                                                                                                                                                      | 377,937    |
| Mobile & Girard                                                             | 302,181    |                                                                                                                                                                                                                                        |            |
| Alabama & Chattahoochee                                                     | 654,212    |                                                                                                                                                                                                                                        |            |
| South & North Alabama                                                       | 445,558    |                                                                                                                                                                                                                                        |            |
| Muscle Shoals (river improvement)                                           | 400,018    |                                                                                                                                                                                                                                        |            |
| Florida, total                                                              | 2,218,705  |                                                                                                                                                                                                                                        |            |
| Florida Central & Peninsular                                                | 743,393    | Minnesota, North Dakota, Montana, and Washington: St. Paul, Minneapolis & Manitoba, now Great Northern (main and branch), a special act (Aug. 5, 1892, 27 Stat. L. 390) to provide for indemnity for lands relinquished by the company | (*)        |
| Florida & Alabama                                                           | 166,691    |                                                                                                                                                                                                                                        |            |
| Pensacola & Georgia                                                         | 1,279,237  |                                                                                                                                                                                                                                        |            |
| Florida, Atlantic & Gulf Central                                            | 29,384     |                                                                                                                                                                                                                                        |            |
| Louisiana: Vicksburg, Shreveport & Pacific                                  | 373,057    |                                                                                                                                                                                                                                        |            |
| Arkansas, total                                                             | 2,563,720  | Kansas, total                                                                                                                                                                                                                          | 4,634,237  |
| St. Louis, Iron Mountain & Southern                                         | 1,326,124  | Leavenworth, Lawrence & Galveston                                                                                                                                                                                                      | 249,446    |
| Little Rock & Fort Smith                                                    | 1,062,083  | Missouri, Kansas & Texas                                                                                                                                                                                                               | 970,593    |
| Memphis & Little Rock                                                       | 185,514    | Aetehison, Topeka & Santa Fe                                                                                                                                                                                                           | 2,944,788  |
| Missouri, total                                                             | 1,837,968  | St. Joseph & Denver City                                                                                                                                                                                                               | 463,409    |
| Southwest branch of the Pacific road                                        | 1,161,285  |                                                                                                                                                                                                                                        |            |
| Hannibal & St. Joseph                                                       | 811,823    | Corporation grants, total                                                                                                                                                                                                              | 94,229,591 |
| St. Louis, Iron Mountain & Southern                                         | 65,360     | Central Pacific                                                                                                                                                                                                                        | 7,489,098  |
| Iowa, total                                                                 | 4,929,923  | Central Pacific (Western Pacific)                                                                                                                                                                                                      | 462,130    |
| Burlington & Missouri River                                                 | 389,900    | Central Pacific (California & Oregon)                                                                                                                                                                                                  | 3,236,693  |
| Chicago, Rock Island & Pacific                                              | 483,214    | Union Pacific                                                                                                                                                                                                                          | 11,935,603 |
| Cedar Rapids & Missouri River                                               | 161,633    | Union Pacific (Central branch)                                                                                                                                                                                                         | 223,142    |
| Dubuque & Sioux City                                                        | 292,998    | Union Pacific (Kansas division)                                                                                                                                                                                                        | 6,176,384  |
| Iowa Falls & Sioux City                                                     | 244,023    | Union Pacific (Denver Pacific)                                                                                                                                                                                                         | 821,331    |
| Des Moines Valley (river-improvement grant)                                 | 683,067    | Santa Fe Pacific (Atlanta & Pacific)                                                                                                                                                                                                   | 11,557,610 |
| Chicago, Milwaukee & St. Paul, formerly McGregor & Missouri River           | 840,171    | Burlington & Missouri River in Nebraska                                                                                                                                                                                                |            |
| St. Paul & St. Paul                                                         | 326,216    | St. Paul City & Pacific (Missouri Valley Land Co.)                                                                                                                                                                                     | 2,374,001  |
| Michigan, total                                                             | 3,134,058  | Northern Pacific                                                                                                                                                                                                                       | 42,611     |
| Port Huron & Lake Michigan                                                  | 37,467     | Oregon Central                                                                                                                                                                                                                         | 39,064,667 |
| Jackson, Lansing & Saginaw                                                  | 744,256    | Oregon & California                                                                                                                                                                                                                    | 128,618    |
| Grand Rapids & Indiana                                                      | 852,521    | New Orleans Pacific                                                                                                                                                                                                                    | 1,001,943  |
| Flint & Pere Marquette                                                      | 513,169    | Southern Pacific (main line)                                                                                                                                                                                                           | 4,656,368  |
| Marquette, Houghton & Ontonagon                                             | 805,930    | Southern Pacific (branch line)                                                                                                                                                                                                         | 2,251,540  |
| Ontonagon & Brule River                                                     | 34,227     |                                                                                                                                                                                                                                        |            |
| Bay de Noquet & Marquette                                                   | 128,301    | Wagon roads, total                                                                                                                                                                                                                     | 5,369,188  |
| Chicago & North Western                                                     | 618,186    | From Lake Erie to Connecticut Western Reserve                                                                                                                                                                                          | 80,774     |
| Wisconsin, total                                                            | 3,652,322  | From Lake Michigan to Ohio River                                                                                                                                                                                                       | 170,580    |
| Chicago, St. Paul, Minneapolis & Omaha (formerly West Wisconsin)            | 814,831    | From Fort Wilkens, Copper Harbor, Mich., to Green Bay, Wis.                                                                                                                                                                            | 302,931    |
| Wisconsin Railroad Farm Mortgage Land Co.                                   | 163,180    | From Fort Wilkens, Copper Harbor, Mich., to Wisconsin State line                                                                                                                                                                       | 221,013    |
| Chicago, St. Paul, Minneapolis & Omaha (formerly St. Croix & Lake Superior) | 816,498    | Oregon Central Military Co. (now California & Oregon Land Co.)                                                                                                                                                                         | 940,514    |
| Branch to Bayfield                                                          | 471,721    | Corvallis and Yaquina Bay                                                                                                                                                                                                              | 93,717     |
| Chicago & North Western                                                     | 546,767    | Willamette Valley and Cascade Mountains                                                                                                                                                                                                | 861,512    |
| Wisconsin Central                                                           | 539,356    | Dalles Military Road                                                                                                                                                                                                                   | 582,607    |
|                                                                             |            | Coos Bay Military Road                                                                                                                                                                                                                 | 105,244    |

<sup>1</sup> In the adjustment of this grant the road was treated as an entirety and without reference to the State line. Hence Alabama has had approved to her more and Mississippi less than they would appear to be entitled to in proportion to the length of road in the respective States.

<sup>1</sup> Includes 35,685 acres of the Chicago, Rock Island & Pacific Ry.; 109,757 acres of the Cedar Rapids & Missouri River R. R.; and 77,535 acres of the Dubuque & Sioux City R. R., situated in the old Des Moines River grant of Aug. 8, 1846, which should be deducted.

<sup>3</sup> Declared to be one grant.

<sup>4</sup> See Minnesota for original grants.

\* Leavenworth, Lawrence & Galveston includes 186,937 acres and Missouri, Kansas & Texas 270,971 acres in the Osage ceded reservation which are to be deducted under decision of the Supreme Court.

Source: General Land Office, Department of the Interior.

# No. 140.—LAND GRANTS (INCLUDING SCRIP) TO STATES FOR EDUCATIONAL AND OTHER PURPOSES: ACREAGE TO JUNE 30, 1935

NOTE.—Does not include grants to States for specific railroad and wagon-road companies covered by table 139. The column "Internal improvements" covers only general items so designated

| State               | Total       | Common schools | Universities and agricultural education | Other educational | Miscellaneous institutions | Internal improvements | Swamp      | All other |
|---------------------|-------------|----------------|-----------------------------------------|-------------------|----------------------------|-----------------------|------------|-----------|
| Total.....          | 203,127,408 | 99,188,946     | 13,717,474                              | 3,246,427         | 13,321,890                 | 11,489,245            | 64,856,485 | 7,326,939 |
| Alabama.....        | 2,268,264   | 911,627        | 286,080                                 | 96,080            | 181                        | 500,000               | 439,636    | 24,650    |
| Alaska.....         | 21,445,209  | 21,006,209     | 438,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| Arizona.....        | 10,542,113  | 8,093,156      | 398,957                                 | 450,000           | 500,000                    | -----                 | -----      | 1,100,000 |
| Arkansas.....       | 9,372,993   | 933,778        | 106,080                                 | -----             | -----                      | 500,000               | 7,686,455  | 56,680    |
| California.....     | 8,427,077   | 5,534,293      | 196,080                                 | -----             | -----                      | 500,000               | 2,190,304  | 6,400     |
| Colorado.....       | 4,433,538   | 3,085,618      | 137,680                                 | -----             | 32,000                     | 500,000               | -----      | 78,240    |
| Connecticut.....    | 180,000     | -----          | 180,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| Delaware.....       | 90,000      | -----          | 90,000                                  | -----             | -----                      | -----                 | -----      | -----     |
| Florida.....        | 21,980,686  | 975,307        | 90,000                                  | 92,160            | -----                      | 500,000               | 20,318,099 | 5,120     |
| Georgia.....        | 270,000     | -----          | 270,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| Idaho.....          | 3,632,157   | 2,963,698      | 186,080                                 | 200,000           | 1250,000                   | -----                 | -----      | 32,379    |
| Illinois.....       | 3,639,281   | 996,320        | 480,000                                 | 46,080            | -----                      | 533,338               | 1,459,924  | 123,680   |
| Indiana.....        | 4,306,254   | 668,578        | 390,000                                 | 46,080            | -----                      | 1,916,805             | 1,259,191  | 25,600    |
| Iowa.....           | 3,019,690   | 988,196        | 286,080                                 | -----             | -----                      | 500,000               | 1,196,134  | 49,280    |
| Kansas.....         | 3,606,910   | 2,907,520      | 143,762                                 | -----             | -----                      | 500,000               | -----      | 55,628    |
| Kentucky.....       | 352,509     | -----          | 330,000                                 | -----             | 22,509                     | -----                 | -----      | -----     |
| Louisiana.....      | 11,033,011  | 807,271        | 210,212                                 | 46,080            | -----                      | 500,000               | 9,469,448  | -----     |
| Maine.....          | 210,000     | -----          | 210,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| Maryland.....       | 210,000     | -----          | 210,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| Massachusetts.....  | 360,000     | -----          | 360,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| Michigan.....       | 8,787,573   | 1,021,867      | 286,080                                 | -----             | -----                      | 500,000               | 5,680,110  | 1,299,516 |
| Minnesota.....      | 8,374,001   | 2,874,951      | 212,160                                 | -----             | -----                      | 500,000               | 4,706,017  | 80,872    |
| Mississippi.....    | 5,020,774   | 824,213        | 302,160                                 | 46,080            | -----                      | 500,000               | 3,347,068  | 1,253     |
| Missouri.....       | 5,578,974   | 1,221,813      | 330,000                                 | 46,080            | -----                      | 500,000               | 3,432,441  | 48,040    |
| Montana.....        | 5,869,618   | 5,198,258      | 186,560                                 | 202,000           | 100,000                    | -----                 | -----      | 182,800   |
| Nebraska.....       | 3,458,711   | 2,730,951      | 136,080                                 | -----             | 32,000                     | 500,000               | -----      | 59,680    |
| Nevada.....         | 2,723,647   | 2,061,967      | 46,080                                  | 90,000            | 12,800                     | 500,000               | -----      | 12,800    |
| New Hampshire.....  | 150,000     | -----          | 150,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| New Jersey.....     | 210,000     | -----          | 210,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| New Mexico.....     | 12,732,694  | 8,711,324      | 562,703                                 | 726,667           | 750,000                    | -----                 | -----      | 1,982,000 |
| New York.....       | 990,000     | -----          | 990,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| North Carolina..... | 270,000     | -----          | 270,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| North Dakota.....   | 3,163,552   | 2,495,396      | 216,080                                 | 120,000           | 1250,000                   | -----                 | -----      | 82,076    |
| Ohio.....           | 2,493,006   | 724,266        | 630,000                                 | 69,120            | -----                      | 1,019,072             | 26,332     | 24,216    |
| Oklahoma.....       | 3,095,760   | 2,044,000      | 600,000                                 | 450,000           | 1,760                      | -----                 | -----      | -----     |
| Oregon.....         | 4,375,429   | 3,399,360      | 136,080                                 | -----             | -----                      | 500,000               | 286,108    | 53,882    |
| Pennsylvania.....   | 780,000     | -----          | 780,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| Rhode Island.....   | 120,000     | -----          | 120,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| South Carolina..... | 180,000     | -----          | 180,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| South Dakota.....   | 3,494,203   | 2,733,084      | 246,080                                 | 120,000           | 1250,640                   | -----                 | -----      | 84,399    |
| Tennessee.....      | 300,000     | -----          | 300,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| Texas.....          | 180,000     | -----          | 180,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| Utah.....           | 7,464,276   | 5,844,196      | 356,080                                 | 200,000           | 500,000                    | -----                 | -----      | 564,000   |
| Vermont.....        | 150,000     | -----          | 150,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| Virginia.....       | 300,000     | -----          | 300,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| Washington.....     | 3,044,471   | 2,376,391      | 136,080                                 | 200,000           | 1200,000                   | -----                 | -----      | 132,000   |
| West Virginia.....  | 150,000     | -----          | 150,000                                 | -----             | -----                      | -----                 | -----      | -----     |
| Wisconsin.....      | 6,222,457   | 982,329        | 332,160                                 | -----             | -----                      | 500,000               | 3,369,218  | 1,048,749 |
| Wyoming.....        | 4,138,569   | 3,470,009      | 136,080                                 | -----             | 1420,000                   | -----                 | -----      | 112,480   |

<sup>1</sup> Includes "Educational and charitable" as follows: Idaho, 150,000 acres; North Dakota, 170,000 acres; South Dakota, 170,000 acres; Washington, 200,000 acres.

<sup>2</sup> Includes educational, penal, etc., 290,000 acres.

Source: General Land Office, Department of the Interior.

**No. 141.—RECEIPTS UNDER THE MINERAL LEASING ACT OF FEBRUARY 25, 1920: FROM THE PASSAGE OF THE ACT TO JUNE 30, 1935**

| State        | Total                   | 1921-1930,<br>total     | 1931                   | 1932                   | 1933                   | 1934                   | 1935                   |
|--------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Total        | Dollars<br>94, 106, 403 | Dollars<br>78, 960, 063 | Dollars<br>3, 631, 656 | Dollars<br>3, 236, 978 | Dollars<br>3, 266, 440 | Dollars<br>3, 206, 625 | Dollars<br>3, 924, 652 |
| Alabama      | 163, 209                | 115, 219                | 12, 453                | 8, 083                 | 9, 102                 | 10, 615                | 11, 833                |
| Arizona      | 304                     | 101                     | 101                    |                        | 203                    |                        |                        |
| California   | 20, 560, 503            | 18, 987, 095            | 870, 454               | 1, 402, 264            | 1, 643, 223            | 1, 672, 954            | 1, 984, 604            |
| Colorado     | 977, 497                | 621, 450                | 83, 481                | 70, 023                | 53, 400                | 50, 476                | 98, 568                |
| Idaho        | 30, 843                 | 11, 569                 | 6, 063                 | 4, 884                 | 1, 225                 | 3, 352                 | 3, 749                 |
| Louisiana    | 75, 817                 | 39, 063                 | 3, 532                 | 5, 578                 | 4, 813                 | 13, 927                | 8, 808                 |
| Montana      | 2, 106, 135             | 1, 744, 423             | 91, 597                | 69, 090                | 57, 716                | 59, 842                | 83, 459                |
| Nevada       | 10, 056                 | 6, 050                  | 80                     | 2, 256                 | 240                    | 160                    | 040                    |
| New Mexico   | 1, 065, 062             | 233, 425                | 163, 433               | 118, 108               | 139, 093               | 165, 458               | 245, 545               |
| North Dakota | 231, 180                | 129, 158                | 22, 628                | 23, 871                | 33, 610                | 16, 818                | 25, 188                |
| Oregon       | 21                      |                         |                        | 21                     |                        |                        |                        |
| South Dakota | 3, 013                  | 771                     | 560                    |                        | 498                    | 401                    | 426                    |
| Utah         | 818, 563                | 428, 108                | 87, 813                | 84, 545                | 79, 557                | 68, 266                | 69, 974                |
| Washington   | 63, 941                 | 27, 384                 | 4, 908                 | 11, 924                | 9, 637                 | 9, 645                 | 642                    |
| Wyoming      | 61, 975, 165            | 54, 805, 681            | 2, 184, 423            | 1, 435, 110            | 1, 224, 017            | 1, 134, 712            | 1, 391, 221            |

**No. 142.—ACREAGE OF PUBLIC LAND WITHDRAWN FROM SETTLEMENT AND RESTORATIONS THEREFROM**

NOTE.—These figures cover withdrawals and restorations for purposes shown only. They do not include national forests (see tables in section 29, Forests and Forest Products), national parks, withdrawals under the reclamation act, or small miscellaneous reservations

|                                                                       | Coal land    | Oil land    | Phosphate land | Potash land | Power-site reserve <sup>1</sup> | Reservoir sites | Public water reserve |
|-----------------------------------------------------------------------|--------------|-------------|----------------|-------------|---------------------------------|-----------------|----------------------|
| <b>Withdrawals outstanding June 30—</b>                               |              |             |                |             |                                 |                 |                      |
| 1925                                                                  | 81, 442, 263 | 5, 940, 921 | 2, 319, 863    | 130, 100    | 4, 243, 768                     | 210, 422        | 357, 307             |
| 1926                                                                  | 31, 128, 560 | 5, 802, 617 | 2, 320, 023    | 7, 548, 537 | 4, 499, 621                     | 253, 608        | 359, 506             |
| 1927                                                                  | 30, 536, 330 | 5, 273, 362 | 2, 307, 919    | 7, 548, 537 | 4, 915, 131                     | 253, 608        | 362, 521             |
| 1928                                                                  | 29, 940, 372 | 5, 275, 236 | 2, 031, 806    | 7, 548, 216 | 4, 994, 937                     | 254, 628        | 392, 876             |
| 1929                                                                  | 25, 832, 350 | 5, 153, 096 | 2, 005, 045    | 9, 411, 939 | 5, 079, 487                     | 254, 050        | 405, 231             |
| 1930                                                                  | 29, 328, 448 | 5, 153, 096 | 2, 004, 765    | 9, 411, 939 | 5, 118, 942                     | 254, 050        | 410, 599             |
| 1931                                                                  | 29, 665, 974 | 5, 256, 426 | 2, 004, 765    | 9, 411, 906 | 5, 077, 532                     | 254, 010        | 427, 774             |
| 1932                                                                  | 29, 676, 854 | 5, 259, 426 | 2, 004, 765    | 9, 411, 906 | 5, 049, 421                     | 254, 010        | 437, 220             |
| 1933                                                                  | 28, 213, 458 | 5, 155, 015 | 1, 889, 472    | 9, 411, 906 | 5, 010, 883                     | 254, 010        | 471, 401             |
| 1934                                                                  | 27, 277, 025 | 5, 155, 015 | 1, 889, 456    | 9, 411, 906 | 5, 147, 654                     | 254, 010        | 480, 708             |
| 1935                                                                  | 26, 976, 775 | 5, 168, 593 | 1, 889, 601    | 9, 414, 466 | 5, 165, 257                     | 254, 010        | 492, 848             |
| Alabama                                                               |              |             |                |             | 1, 739                          |                 |                      |
| Alaska                                                                |              |             |                |             | 214, 454                        |                 | 17                   |
| Arizona                                                               |              |             |                |             | 1, 172, 547                     |                 | 23, 425              |
| Arkansas                                                              | 139, 415     |             |                |             | 24, 833                         |                 |                      |
| California                                                            | 17, 603      | 1, 178, 362 |                | 90, 324     | 635, 935                        | 45, 225         | 210, 043             |
| Colorado                                                              | 4, 142, 233  | 215, 370    |                |             | 423, 364                        |                 | 12, 498              |
| Florida                                                               |              |             | 66, 796        |             |                                 |                 |                      |
| Idaho                                                                 | 11, 520      |             | 276, 239       |             | 504, 839                        |                 | 18, 902              |
| Louisiana                                                             |              | 466, 990    |                |             |                                 |                 |                      |
| Michigan                                                              |              |             |                |             | 1, 240                          |                 |                      |
| Minnesota                                                             |              |             |                |             | 12, 309                         |                 |                      |
| Montana                                                               | 6, 289, 193  | 1, 336, 607 | 280, 089       |             | 265, 515                        | 9, 050          | 12, 650              |
| Nebraska                                                              |              |             |                |             | 791                             |                 |                      |
| Nevada                                                                | 83, 873      |             |                | 39, 422     | 63, 271                         |                 | 17, 608              |
| New Mexico                                                            | 4, 124, 578  |             |                | 9, 284, 720 | 245, 241                        |                 | 11, 166              |
| North Dakota                                                          | 5, 954, 394  | 84, 894     |                |             |                                 |                 |                      |
| Oregon                                                                | 4, 361       |             |                |             | 657, 027                        | 18, 603         | 38, 362              |
| South Dakota                                                          |              |             |                |             |                                 |                 | 240                  |
| Utah                                                                  | 3, 404, 043  | 1, 844, 473 | 277, 344       |             | 584, 449                        | 25, 040         | 45, 916              |
| Washington                                                            | 691, 801     |             |                |             | 253, 424                        | 36, 327         | 1, 040               |
| Wyoming                                                               | 2, 143, 991  | 541, 777    | 989, 133       |             | 104, 250                        | 118, 734        | 100, 977             |
| <b>New withdrawals during year ended June 30—</b>                     |              |             |                |             |                                 |                 |                      |
| 1932                                                                  | 10, 880      |             |                |             | 36, 687                         |                 | 9, 855               |
| 1933                                                                  |              |             |                |             | 3, 560                          |                 | 37, 784              |
| 1934                                                                  |              |             |                |             | 257, 954                        |                 | 11, 027              |
| 1935                                                                  |              | 13, 578     | 145            | 2, 560      | 20, 790                         |                 | 12, 400              |
| <b>Restorations of land previously withdrawn, year ended June 30—</b> |              |             |                |             |                                 |                 |                      |
| 1932                                                                  |              |             |                |             | 164, 798                        |                 | 400                  |
| 1933                                                                  | 1, 421, 250  |             |                |             | 42, 298                         |                 | 3, 612               |
| 1934                                                                  | 936, 433     |             | 16             |             | 20, 983                         |                 | 1, 720               |
| 1935                                                                  | 300, 250     |             |                |             | 3, 187                          |                 | 320                  |

<sup>1</sup> Includes withdrawals under act of June 25, 1910, power-site designations under acts of June 20, 1910, and June 9, 1916, and power-site classifications under act of Mar. 3, 1879.

<sup>2</sup> Adjusted.

<sup>3</sup> Includes 13,578 acres withdrawn as helium reserve.

Source of tables 141 and 142: General Land Office, Department of the Interior.

**No. 143.—PUBLIC LAND: ACRES UNAPPROPRIATED AND UNRESERVED, JUNE 30**

NOTE.—By Executive orders of Nov. 23, 1934, and Feb. 5, 1935, public lands were temporarily withdrawn from settlement, location, sale, or entry; there were, therefore, no unreserved lands on June 30, 1935

| State              | 1890                 | 1900                 | 1910               | 1920               | 1930               | 1933               | 1934               |
|--------------------|----------------------|----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| <b>Total</b> ..... | <b>1,586,216,861</b> | <b>1,537,643,120</b> | <b>343,971,674</b> | <b>200,320,128</b> | <b>178,979,448</b> | <b>172,084,580</b> | <b>165,695,478</b> |
| Alabama.....       | 1,105,080            | 359,250              | 108,210            | 37,200             | ( <sup>1</sup> )   |                    |                    |
| Arizona.....       | 49,690,052           | 50,286,986           | 41,491,369         | 18,208,909         | 15,180,880         | 13,203,600         | 13,078,580         |
| Arkansas.....      | 4,902,329            | 3,493,444            | 512,705            | 276,595            | 190,969            | ( <sup>2</sup> )   |                    |
| California.....    | 53,022,718           | 42,467,512           | 24,864,884         | 19,585,801         | 16,628,488         | 16,576,463         | 15,795,069         |
| Colorado.....      | 39,994,446           | 39,650,247           | 21,726,192         | 8,941,185          | 8,027,468          | 7,545,778          | 7,652,197          |
| Florida.....       | 5,024,426            | 1,690,411            | 463,009            | 120,077            | 18,897             | ( <sup>2</sup> )   |                    |
| Idaho.....         | 46,957,290           | 43,286,694           | 24,743,804         | 8,805,112          | 10,617,970         | 10,510,421         | 10,089,092         |
| Iowa.....          | 6,000                | ( <sup>3</sup> )     |                    |                    |                    |                    |                    |
| Kansas.....        | 755,791              | 1,196,900            | 137,180            | 4,346              | ( <sup>2</sup> )   |                    |                    |
| Louisiana.....     | 1,358,553            | 442,224              | 88,911             | 14,240             | ( <sup>2</sup> )   |                    |                    |
| Michigan.....      | 832,707              | 430,483              | 107,890            | 73,523             | ( <sup>2</sup> )   |                    |                    |
| Minnesota.....     | 6,918,554            | 4,696,203            | 1,663,302          | 256,297            | 189,845            | ( <sup>2</sup> )   |                    |
| Mississippi.....   | 1,407,480            | 285,804              | 47,058             | 33,360             | ( <sup>2</sup> )   |                    |                    |
| Missouri.....      | 1,151,463            | 337,946              | 2,510              | 18                 |                    |                    |                    |
| Montana.....       | 64,807,627           | 67,968,057           | 36,016,943         | 5,973,741          | 6,601,677          | 6,176,931          | 5,878,631          |
| Nebraska.....      | 11,226,584           | 9,798,688            | 1,879,486          | 66,844             | 22,628             | ( <sup>2</sup> )   |                    |
| Nevada.....        | 50,804,640           | 61,277,608           | 56,474,688         | 54,267,175         | 51,454,493         | 51,270,277         | 50,976,749         |
| New Mexico.....    | 50,360,826           | 50,541,170           | 36,454,692         | 18,448,878         | 15,664,121         | 13,078,285         | 11,783,265         |
| North Dakota.....  | 30,497,400           | 18,726,239           | 1,410,225          | 81,044             | 146,505            | 146,301            | 141,780            |
| Oklahoma.....      | 8,694,693            | 5,733,672            | 5,007              | 7,404              | ( <sup>2</sup> )   |                    |                    |
| Oregon.....        | 38,273,228           | 34,377,907           | 17,580,673         | 14,006,767         | 13,069,136         | 13,012,158         | 12,919,345         |
| South Dakota.....  | 10,241,498           | 11,930,809           | 4,562,804          | 288,472            | 439,880            | 516,680            | 463,420            |
| Utah.....          | 36,205,100           | 42,967,451           | 35,955,554         | 29,991,715         | 23,881,445         | 25,011,021         | 22,532,110         |
| Washington.....    | 10,646,316           | 11,125,883           | 3,196,069          | 1,086,686          | 920,584            | 709,646            | 692,751            |
| Wisconsin.....     | 819,320              | 313,565              | 14,460             | 5,164              | ( <sup>2</sup> )   |                    |                    |
| Wyoming.....       | 49,010,060           | 48,358,169           | 34,575,159         | 19,679,595         | 15,929,460         | 14,327,024         | 13,813,200         |

<sup>1</sup> Exclusive of the Cherokee Strip, containing 8,004,644 acres, and all other lands owned or claimed by the Indians in the Indian Territory west of the ninety-sixth degree of longitude.

<sup>2</sup> Offices closed (see headnote table 134); areas in these States have not been tabulated subsequently.

<sup>3</sup> Figures include 3,672,640 acres of unsurveyed land in public land strip.

Source: General Land Office, Department of the Interior.

**No. 144.—AREA OF INDIAN RESERVATIONS AND INDIAN POPULATION OF THE UNITED STATES, EXCLUSIVE OF ALASKA: JUNE 30**

| State               | Area of Indian reservations—unallotted square miles |               |               |               |               | Indian population <sup>1</sup> |                |                |                |                |
|---------------------|-----------------------------------------------------|---------------|---------------|---------------|---------------|--------------------------------|----------------|----------------|----------------|----------------|
|                     | 1900                                                | 1910          | 1920          | 1930          | 1935          | 1900                           | 1910           | 1920           | 1930           | 1935           |
| <b>Total</b> .....  | <b>121,665</b>                                      | <b>64,135</b> | <b>55,792</b> | <b>50,151</b> | <b>78,213</b> | <b>270,544</b>                 | <b>304,950</b> | <b>338,337</b> | <b>340,541</b> | <b>330,861</b> |
| Arizona.....        | 23,673                                              | 30,242        | 34,195        | 31,881        | 29,739        | 40,189                         | 38,475         | 42,400         | 47,072         | 44,524         |
| California.....     | 635                                                 | 567           | 690           | 774           | 1,003         | 11,431                         | 20,976         | 16,241         | 19,197         | 23,814         |
| Colorado.....       |                                                     | 656           | 619           | 681           | 691           | 995                            | 815            | 796            | 813            | 835            |
| Florida.....        |                                                     | 37            | 42            | 42            | 42            | 575                            | 358            | 454            | 578            | 574            |
| Idaho.....          | 2,132                                               | 750           | 87            | 90            | 809           | 3,557                          | 3,988          | 4,048          | 3,890          | 4,195          |
| Kansas.....         | 44                                                  | 1             |               | 2             | 60            | 1,211                          | 1,385          | 1,456          | 1,602          | 1,612          |
| Michigan.....       | 13                                                  | 4             |               |               | 21            | 7,557                          | 6,784          | 7,510          | 8,192          | 8,192          |
| Minnesota.....      | 2,448                                               | 910           | 865           | 868           | 1,146         | 8,952                          | 11,095         | 12,681         | 15,767         | 15,382         |
| Montana.....        | 14,845                                              | 8,682         | 5,538         | 1,183         | 9,136         | 10,076                         | 10,766         | 12,374         | 14,238         | 15,418         |
| Nebraska.....       | 117                                                 | 11            | 10            | 12            | 106           | 3,854                          | 3,784          | 2,461          | 4,358          | 4,601          |
| Nevada.....         | 1,491                                               | 1,073         | 1,135         | 1,300         | 1,324         | 8,321                          | 6,192          | 5,900          | 4,975          | 5,084          |
| New Mexico.....     | 2,606                                               | 2,889         | 3,278         | 5,524         | 8,765         | 9,480                          | 18,837         | 21,530         | 28,113         | 35,157         |
| New York.....       | 137                                                 | 137           | 137           | 137           |               | 5,334                          | 5,476          | 6,432          | 4,445          | 4,523          |
| North Carolina..... | 154                                                 | 99            | 99            | 99            | 99            | 1,436                          | 1,999          | 8,268          | 3,194          | 3,220          |
| North Dakota.....   | 5,784                                               | 2,031         | 156           | 2             | 4,822         | 8,276                          | 8,259          | 9,018          | 10,793         | 10,465         |
| Oklahoma.....       | 41,246                                              | 4,695         | 5             | 60            | 4,502         | 100,191                        | 117,088        | 119,255        | 121,884        | 95,942         |
| Oregon.....         | 2,031                                               | 1,995         | 1,860         | 1,756         | 2,343         | 4,063                          | 3,477          | 6,629          | 4,518          | 4,674          |
| South Dakota.....   | 14,050                                              | 4,554         | 568           | 382           | 7,522         | 19,212                         | 20,303         | 23,010         | 23,726         | 26,996         |
| Utah.....           | 3,186                                               | 280           | 526           | 532           | 2,604         | 2,115                          | 1,697          | 3,057          | 1,691          | 2,121          |
| Washington.....     | 3,646                                               | 3,790         | 2,855         | 1,330         | 2,694         | 9,827                          | 9,625          | 11,114         | 12,572         | 13,430         |
| Wisconsin.....      | 695                                                 | 477           | 424           | 428           | 656           | 10,726                         | 10,303         | 10,319         | 11,705         | 12,223         |
| Wyoming.....        | 2,828                                               | 149           | 2,899         | 3,120         | 1,125         | 1,642                          | 1,701          | 1,748          | 2,014          | 2,203          |
| Miscellaneous.....  | 4                                                   | 5             |               | 10            | 14            | 1,524                          | 1,570          | 9,626          | 2,304          | 2,476          |

<sup>1</sup> An Indian, as defined by the Indian Service, represents a person of Indian blood who, through wardship, treaty, or inheritance, has acquired certain rights. Indians are accredited to the State where enrolled though an Indian may be carried on the rolls because of tribal or inheritance rights and reside elsewhere. Reservation and nonreservation Indians are included. Beginning 1930, Indians no longer under the jurisdiction of the Indian Office are not included. Figures for 1930 are as of Apr. 1; for 1935, as of Jan. 1.

<sup>2</sup> For 1930 and prior years the entire population of the Southern Navajo Reservation and the Western Navajo Reservation was reported under Arizona; for 1935, the part of the former extending into New Mexico and the part of the latter extending into Utah is included in New Mexico and Utah, respectively.

<sup>3</sup> 1927.

<sup>4</sup> Estimate.

<sup>5</sup> Includes Indian Territory for 1900.

<sup>6</sup> Figures include data for the Five Civilized Tribes as follows: 1900, 54,570; 1910, 101,275; 1920 and 1930, 101,506 (final roll of Mar. 4, 1907), including 23,405 freedmen and 2,682 intermarried whites; 1935, 72,626 Indian members as reported by the Bureau of the Census, the freedmen and intermarried whites having been dropped from the rolls since they were not Indians though they had the legal rights of Indians.

Source: Commissioner of Indian Affairs, Department of the Interior.

## 7. CLIMATE

### No. 145.—CLIMATIC CONDITIONS: SELECTED CITIES IN THE UNITED STATES

NOTE.—The table presented herewith shows the more important facts concerning the weather at a number of points in the United States selected with a view to covering all the important climatic sections and including at least one from each State. The temperature extremes include the entire period of observations to Dec. 31, 1935. Other data are long-time averages covering periods ranging from 20 to more than 50 years. All monthly mean temperature values except those at Asheville, Hartford, Miami, and Wilmington, are normals, based on long records. Similarly, all monthly averages of precipitation are normals except the amounts given at Wilmington. Average hourly wind velocity data are reduced to true velocities. Temperatures are Fahrenheit

| Station                              | Jan.             | Feb.             | Mar.             | Apr.             | May  | June  | July             | Aug.             | Sept. | Oct.             | Nov.             | Dec.             | Annual           |
|--------------------------------------|------------------|------------------|------------------|------------------|------|-------|------------------|------------------|-------|------------------|------------------|------------------|------------------|
| <b>ALABAMA, MONTGOMERY</b>           |                  |                  |                  |                  |      |       |                  |                  |       |                  |                  |                  |                  |
| Temperature:                         |                  |                  |                  |                  |      |       |                  |                  |       |                  |                  |                  |                  |
| Monthly mean.....                    | 48.2             | 51.6             | 57.8             | 65.3             | 73.4 | 79.6  | 81.7             | 80.8             | 78.3  | 66.0             | 55.8             | 49.4             | 65.5             |
| Daily mean maximum.....              | 57.7             | 60.7             | 67.6             | 75.5             | 83.3 | 89.7  | 90.9             | 89.9             | 86.4  | 76.5             | 66.1             | 58.4             | 75.2             |
| Daily mean minimum.....              | 40.0             | 42.4             | 48.2             | 55.2             | 63.0 | 70.1  | 72.4             | 71.8             | 67.5  | 56.3             | 46.1             | 40.8             | 56.2             |
| Highest on record.....               | 80               | 84               | 90               | 92               | 99   | 106   | 107              | 103              | 106   | 99               | 85               | 81               | 107              |
| Lowest on record.....                | 5                | -6               | 20               | 30               | 43   | 48    | 61               | 58               | 45    | 31               | 18               | 8                | -5               |
| Precipitation:                       |                  |                  |                  |                  |      |       |                  |                  |       |                  |                  |                  |                  |
| Total, inches.....                   | 5.20             | 5.45             | 5.99             | 4.80             | 3.84 | 3.80  | 4.80             | 4.23             | 2.90  | 2.46             | 3.23             | 4.84             | 51.19            |
| Days with 0.01 inch or more.....     | 11               | 10               | 10               | 8                | 0    | 11    | 12               | 11               | 8     | 6                | 7                | 10               | 113              |
| Total snowfall, inches.....          | 0.2              | 0.3              | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 0    | 0     | 0                | 0                | 0     | 0                | ( <sup>1</sup> ) | 0.3              | 0.8              |
| Percentage of possible sunshine..... | 52               | 53               | 61               | 68               | 70   | 71    | 64               | 66               | 63    | 69               | 63               | 46               | 63               |
| Number of clear days.....            | 9                | 9                | 12               | 12               | 13   | 9     | 8                | 9                | 13    | 16               | 14               | 10               | 134              |
| Hourly wind velocity, miles.....     | 7.4              | 8.0              | 7.9              | 7.4              | 6.7  | 6.3   | 6.0              | 5.8              | 6.3   | 6.5              | 6.7              | 7.1              | 6.8              |
| <b>ARIZONA, PHOENIX</b>              |                  |                  |                  |                  |      |       |                  |                  |       |                  |                  |                  |                  |
| Temperature:                         |                  |                  |                  |                  |      |       |                  |                  |       |                  |                  |                  |                  |
| Monthly mean.....                    | 51.2             | 55.1             | 60.7             | 67.0             | 76.0 | 84.5  | 89.8             | 88.5             | 82.7  | 70.0             | 59.7             | 52.0             | 69.7             |
| Daily mean maximum.....              | 65.0             | 69.0             | 74.5             | 82.2             | 90.4 | 101.1 | 103.2            | 101.1            | 97.0  | 86.3             | 74.5             | 65.4             | 84.1             |
| Daily mean minimum.....              | 38.6             | 43.2             | 46.9             | 52.8             | 59.8 | 69.0  | 77.1             | 75.7             | 68.9  | 56.0             | 45.2             | 38.8             | 56.0             |
| Highest on record.....               | 84               | 92               | 95               | 103              | 114  | 118   | 118              | 116              | 112   | 103              | 96               | 81               | 118              |
| Lowest on record.....                | 10               | 24               | 30               | 35               | 39   | 49    | 63               | 68               | 47    | 36               | 27               | 22               | 16               |
| Precipitation:                       |                  |                  |                  |                  |      |       |                  |                  |       |                  |                  |                  |                  |
| Total, inches.....                   | 0.80             | 0.77             | 0.68             | 0.40             | 0.12 | 0.07  | 1.07             | 0.95             | 0.75  | 0.47             | 0.70             | 1.00             | 7.78             |
| Days with 0.01 inch or more.....     | 4                | 4                | 4                | 2                | 1    | 1     | 5                | 6                | 3     | 2                | 3                | 4                | 30               |
| Total snowfall, inches.....          | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 0                | 0    | 0     | 0                | 0                | 0     | 0                | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Percentage of possible sunshine..... | 75               | 78               | 82               | 87               | 92   | 94    | 82               | 85               | 89    | 89               | 83               | 77               | 84               |
| Number of clear days.....            | 17               | 15               | 18               | 20               | 23   | 25    | 16               | 18               | 22    | 23               | 20               | 18               | 235              |
| Hourly wind velocity, miles.....     | 5.3              | 5.7              | 6.2              | 6.4              | 6.5  | 6.3   | 6.3              | 5.8              | 5.6   | 5.4              | 5.2              | 5.1              | 6.8              |
| <b>ARKANSAS, LITTLE ROCK</b>         |                  |                  |                  |                  |      |       |                  |                  |       |                  |                  |                  |                  |
| Temperature:                         |                  |                  |                  |                  |      |       |                  |                  |       |                  |                  |                  |                  |
| Monthly mean.....                    | 41.4             | 44.9             | 53.0             | 62.1             | 70.3 | 77.4  | 80.9             | 79.8             | 74.1  | 63.0             | 52.1             | 44.2             | 62.0             |
| Daily mean maximum.....              | 50.4             | 53.6             | 62.5             | 71.9             | 79.0 | 87.0  | 90.2             | 89.3             | 83.9  | 73.5             | 61.4             | 52.1             | 71.2             |
| Daily mean minimum.....              | 34.0             | 36.3             | 44.0             | 53.0             | 60.7 | 68.7  | 72.0             | 70.9             | 65.2  | 53.9             | 43.2             | 36.0             | 53.2             |
| Highest on record.....               | 78               | 87               | 90               | 94               | 97   | 102   | 108              | 105              | 104   | 93               | 84               | 73               | 108              |
| Lowest on record.....                | -8               | -12              | 14               | 28               | 39   | 51    | 58               | 52               | 41    | 27               | 10               | 5                | -12              |
| Precipitation:                       |                  |                  |                  |                  |      |       |                  |                  |       |                  |                  |                  |                  |
| Total, inches.....                   | 4.73             | 3.84             | 4.62             | 5.19             | 4.78 | 3.76  | 3.60             | 3.75             | 3.17  | 2.71             | 4.19             | 4.14             | 48.38            |
| Days with 0.01 inch or more.....     | 10               | 8                | 10               | 10               | 10   | 10    | 9                | 9                | 7     | 6                | 8                | 9                | 109              |
| Total snowfall, inches.....          | 2.0              | 1.3              | 0.5              | ( <sup>1</sup> ) | 0    | 0     | 0                | 0                | 0     | ( <sup>1</sup> ) | 0.2              | 1.1              | 5.1              |
| Percentage of possible sunshine..... | 48               | 53               | 57               | 62               | 66   | 73    | 72               | 73               | 71    | 69               | 57               | 48               | 62               |
| Number of clear days.....            | 10               | 10               | 11               | 11               | 10   | 11    | 12               | 14               | 14    | 16               | 13               | 11               | 143              |
| Hourly wind velocity, miles.....     | 8.1              | 8.8              | 9.4              | 8.8              | 7.5  | 6.4   | 6.0              | 5.7              | 5.9   | 6.4              | 7.4              | 7.9              | 7.4              |
| <b>CALIFORNIA, FRESNO</b>            |                  |                  |                  |                  |      |       |                  |                  |       |                  |                  |                  |                  |
| Temperature:                         |                  |                  |                  |                  |      |       |                  |                  |       |                  |                  |                  |                  |
| Monthly mean.....                    | 46.2             | 51.1             | 55.0             | 60.2             | 67.1 | 75.8  | 82.1             | 80.7             | 73.4  | 64.0             | 54.2             | 46.2             | 63.0             |
| Daily mean maximum.....              | 54.2             | 59.4             | 66.3             | 73.9             | 81.5 | 91.1  | 93.1             | 97.4             | 89.1  | 78.4             | 66.5             | 54.8             | 76.1             |
| Daily mean minimum.....              | 38.1             | 41.7             | 44.6             | 47.9             | 52.9 | 60.5  | 64.9             | 63.0             | 58.0  | 51.0             | 43.3             | 38.2             | 50.3             |
| Highest on record.....               | 73               | 84               | 87               | 101              | 110  | 112   | 115              | 113              | 111   | 100              | 86               | 79               | 115              |
| Lowest on record.....                | 17               | 24               | 28               | 34               | 38   | 42    | 50               | 61               | 42    | 36               | 27               | 18               | 17               |
| Precipitation:                       |                  |                  |                  |                  |      |       |                  |                  |       |                  |                  |                  |                  |
| Total, inches.....                   | 1.73             | 1.43             | 1.58             | 0.95             | 0.44 | 0.08  | 0.01             | 0.01             | 0.21  | 0.57             | 0.93             | 1.45             | 9.39             |
| Days with 0.01 inch or more.....     | 8                | 7                | 7                | 4                | 2    | 1     | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 1     | 2                | 4                | 7                | 43               |
| Total snowfall, inches.....          | 0.1              | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 0                | 0    | 0     | 0                | 0                | 0     | 0                | 0                | ( <sup>1</sup> ) | 0.1              |
| Percentage of possible sunshine..... | 44               | 64               | 72               | 83               | 88   | 94    | 97               | 96               | 92    | 87               | 73               | 49               | 78               |
| Number of clear days.....            | 8                | 12               | 14               | 18               | 21   | 26    | 29               | 28               | 25    | 23               | 17               | 10               | 231              |
| Hourly wind velocity, miles.....     | 5.0              | 6.0              | 6.6              | 7.6              | 8.5  | 8.7   | 8.2              | 7.6              | 6.9   | 5.9              | 5.3              | 5.4              | 6.9              |

<sup>1</sup> Trace.

<sup>2</sup> Less than 1 day.

## No. 145.—CLIMATIC CONDITIONS, ETC.—Continued

| Station                              | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|--------------------------------------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| <b>CALIFORNIA, LOS ANGELES</b>       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 54.6 | 55.5 | 57.5 | 59.4 | 62.2 | 66.4 | 70.2 | 71.1 | 69.0  | 65.3 | 60.9 | 56.6 | 62.4   |
| Daily mean maximum.....              | 64.7 | 66.6 | 67.4 | 69.5 | 71.6 | 76.4 | 81.2 | 82.0 | 80.4  | 76.2 | 72.6 | 66.7 | 72.0   |
| Daily mean minimum.....              | 45.7 | 46.9 | 48.6 | 50.5 | 53.3 | 56.5 | 59.8 | 60.6 | 63.5  | 64.8 | 50.8 | 47.4 | 52.8   |
| Highest on record.....               | 90   | 92   | 99   | 100  | 103  | 105  | 109  | 106  | 108   | 102  | 96   | 89   | 109    |
| Lowest on record.....                | 28   | 28   | 31   | 35   | 40   | 46   | 49   | 49   | 44    | 40   | 34   | 30   | 28     |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 3.10 | 3.07 | 2.78 | 1.04 | 0.45 | 0.06 | 0.01 | 0.02 | 0.17  | 0.68 | 1.20 | 2.63 | 15.23  |
| Days with 0.01 inch or more.....     | 6    | 6    | 6    | 4    | 2    | 1    | (?)  | (?)  | 1     | 2    | 3    | 6    | 37     |
| Total snowfall, inches.....          | (?)  | (?)  | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0    | (?)  | (?)  | (?)    |
| Percentage of possible sunshine..... | 70   | 68   | 63   | 68   | 63   | 70   | 73   | 79   | 77    | 76   | 73   | 73   | 72     |
| Number of clear days.....            | 15   | 12   | 13   | 12   | 11   | 13   | 16   | 18   | 17    | 17   | 18   | 17   | 179    |
| Hourly wind velocity, miles.....     | 6.2  | 6.4  | 6.4  | 6.4  | 6.2  | 6.1  | 5.9  | 5.8  | 5.7   | 5.7  | 5.9  | 6.2  | 6.1    |
| <b>CALIFORNIA, SAN DIEGO</b>         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 54.3 | 55.1 | 56.7 | 58.5 | 60.8 | 63.9 | 67.2 | 68.7 | 67.1  | 63.7 | 59.7 | 56.0 | 61.0   |
| Daily mean maximum.....              | 62.5 | 62.9 | 64.0 | 65.3 | 66.3 | 69.2 | 72.5 | 73.9 | 73.0  | 70.4 | 68.3 | 64.4 | 67.7   |
| Daily mean minimum.....              | 46.6 | 48.0 | 50.0 | 52.7 | 55.8 | 58.9 | 62.5 | 63.8 | 61.4  | 56.8 | 51.7 | 48.2 | 54.7   |
| Highest on record.....               | 85   | 89   | 99   | 98   | 98   | 96   | 100  | 93   | 110   | 96   | 93   | 84   | 110    |
| Lowest on record.....                | 25   | 34   | 36   | 39   | 45   | 50   | 54   | 54   | 50    | 44   | 36   | 32   | 25     |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 2.06 | 2.03 | 1.72 | 0.77 | 0.35 | 0.05 | 0.03 | 0.04 | 0.08  | 0.54 | 0.76 | 1.87 | 10.30  |
| Days with 0.01 inch or more.....     | 7    | 7    | 7    | 4    | 3    | 1    | 1    | 1    | 1     | 3    | 4    | 6    | 45     |
| Total snowfall, inches.....          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0    | 0    | 0      |
| Percentage of possible sunshine..... | 68   | 66   | 67   | 68   | 60   | 61   | 68   | 71   | 72    | 72   | 77   | 72   | 68     |
| Number of clear days.....            | 15   | 13   | 14   | 14   | 12   | 13   | 17   | 18   | 18    | 18   | 18   | 17   | 187    |
| Hourly wind velocity, miles.....     | 6.2  | 6.7  | 7.1  | 7.3  | 7.3  | 7.0  | 6.8  | 6.7  | 6.7   | 6.3  | 6.1  | 6.1  | 6.7    |
| <b>CALIFORNIA, SAN FRANCISCO</b>     |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 49.9 | 52.2 | 54.2 | 55.0 | 56.8 | 58.5 | 58.5 | 59.1 | 60.9  | 60.5 | 58.3 | 51.3 | 56.1   |
| Daily mean maximum.....              | 55.0 | 58.5 | 60.7 | 62.2 | 63.3 | 66.6 | 65.1 | 65.3 | 68.3  | 67.7 | 62.8 | 56.1 | 62.6   |
| Daily mean minimum.....              | 44.7 | 47.0 | 48.2 | 49.3 | 50.6 | 52.1 | 52.7 | 53.3 | 54.6  | 53.6 | 50.6 | 46.3 | 50.2   |
| Highest on record.....               | 78   | 80   | 86   | 89   | 97   | 100  | 99   | 92   | 101   | 96   | 83   | 74   | 101    |
| Lowest on record.....                | 29   | 33   | 33   | 40   | 42   | 46   | 47   | 46   | 47    | 43   | 38   | 27   | 27     |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 4.54 | 3.85 | 3.14 | 1.61 | 0.80 | 0.18 | 0.02 | 0.01 | 0.45  | 1.12 | 2.35 | 3.95 | 22.02  |
| Days with 0.01 inch or more.....     | 11   | 10   | 8    | 6    | 4    | 2    | (?)  | (?)  | 2     | 4    | 7    | 11   | 65     |
| Total snowfall, inches.....          | (?)  | 0.1  | (?)  | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0    | 0    | 0.2    |
| Percentage of possible sunshine..... | 53   | 55   | 63   | 71   | 70   | 76   | 69   | 63   | 71    | 70   | 62   | 56   | 65     |
| Number of clear days.....            | 11   | 11   | 12   | 14   | 15   | 17   | 15   | 13   | 16    | 17   | 14   | 12   | 167    |
| Hourly wind velocity, miles.....     | 7.6  | 7.8  | 8.7  | 9.7  | 10.6 | 11.3 | 11.6 | 11.0 | 9.5   | 7.9  | 7.2  | 7.4  | 9.2    |
| <b>COLORADO, DENVER</b>              |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 29.8 | 32.7 | 39.3 | 47.1 | 56.2 | 66.3 | 72.2 | 70.7 | 62.9  | 51.2 | 39.8 | 32.3 | 50.0   |
| Daily mean maximum.....              | 43.0 | 44.8 | 51.4 | 59.6 | 68.8 | 80.2 | 85.5 | 84.2 | 76.5  | 64.6 | 52.5 | 44.2 | 62.9   |
| Daily mean minimum.....              | 18.3 | 20.9 | 27.0 | 35.3 | 44.3 | 53.2 | 59.1 | 57.9 | 48.9  | 38.0 | 27.5 | 20.0 | 37.5   |
| Highest on record.....               | 76   | 77   | 82   | 86   | 92   | 99   | 102  | 105  | 97    | 90   | 79   | 74   | 105    |
| Lowest on record.....                | -29  | -22  | -11  | 4    | 19   | 32   | 42   | 40   | 21    | -2   | -18  | -25  | -29    |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 0.40 | 0.53 | 1.04 | 2.06 | 2.21 | 1.38 | 1.68 | 1.43 | 0.99  | 1.05 | 0.55 | 0.73 | 14.05  |
| Days with 0.01 inch or more.....     | 4    | 6    | 8    | 9    | 11   | 7    | 9    | 9    | 6     | 6    | 5    | 5    | 85     |
| Total snowfall, inches.....          | 4.6  | 7.9  | 10.6 | 10.0 | 2.1  | (?)  | 0    | 0    | 0.5   | 4.5  | 6.4  | 9.1  | 55.7   |
| Percentage of possible sunshine..... | 68   | 66   | 64   | 63   | 60   | 69   | 67   | 67   | 70    | 70   | 67   | 65   | 66     |
| Number of clear days.....            | 15   | 12   | 11   | 9    | 9    | 12   | 11   | 11   | 15    | 16   | 15   | 15   | 151    |
| Hourly wind velocity, miles.....     | 7.6  | 7.6  | 8.2  | 8.4  | 7.7  | 7.3  | 6.9  | 6.6  | 6.7   | 7.0  | 7.2  | 7.2  | 7.4    |
| <b>CONNECTICUT, HARTFORD</b>         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 25.5 | 27.2 | 35.0 | 46.7 | 57.5 | 67.4 | 71.6 | 68.9 | 61.7  | 51.2 | 39.5 | 29.8 | 48.5   |
| Daily mean maximum.....              | 35.9 | 35.2 | 45.5 | 56.9 | 68.7 | 77.3 | 82.6 | 79.7 | 73.4  | 63.1 | 49.9 | 38.0 | 53.8   |
| Daily mean minimum.....              | 20.7 | 19.1 | 28.7 | 38.3 | 48.7 | 57.5 | 63.3 | 60.9 | 54.5  | 43.9 | 34.5 | 24.2 | 41.2   |
| Highest on record.....               | 70   | 69   | 82   | 90   | 94   | 98   | 101  | 100  | 95    | 91   | 77   | 67   | 101    |
| Lowest on record.....                | -12  | -15  | 4    | 11   | 32   | 40   | 48   | 43   | 32    | 25   | 6    | -18  | -18    |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 3.94 | 3.83 | 3.90 | 3.36 | 3.60 | 3.08 | 4.37 | 4.29 | 3.49  | 3.52 | 3.55 | 3.97 | 44.90  |
| Days with 0.01 inch or more.....     | 12   | 10   | 11   | 12   | 12   | 11   | 10   | 10   | 9     | 9    | 10   | 10   | 126    |
| Total snowfall, inches.....          | 11.0 | 13.8 | 6.2  | 1.4  | (?)  | 0    | 0    | 0    | 0     | (?)  | 2.1  | 8.6  | 43.1   |
| Percentage of possible sunshine..... | 46   | 55   | 55   | 53   | 56   | 57   | 57   | 56   | 53    | 53   | 45   | 43   | 52     |
| Number of clear days.....            | 9    | 10   | 11   | 9    | 10   | 10   | 9    | 10   | 11    | 12   | 8    | 9    | 118    |
| Hourly wind velocity, miles.....     | 8.6  | 8.7  | 9.1  | 9.1  | 8.5  | 7.8  | 7.6  | 7.2  | 7.1   | 7.6  | 8.3  | 8.1  | 8.1    |

† Trace.

\* Less than 1 day.



## No. 145.—CLIMATIC CONDITIONS, ETC.—Continued

| Station                              | Jan.             | Feb.             | Mar.             | Apr. | May              | June | July | Aug. | Sept. | Oct.             | Nov. | Dec.             | Annual           |
|--------------------------------------|------------------|------------------|------------------|------|------------------|------|------|------|-------|------------------|------|------------------|------------------|
| <b>DELAWARE, WILMINGTON</b>          |                  |                  |                  |      |                  |      |      |      |       |                  |      |                  |                  |
| Temperature:                         |                  |                  |                  |      |                  |      |      |      |       |                  |      |                  |                  |
| Monthly mean.....                    | 33.1             | 32.6             | 42.3             | 52.3 | 63.0             | 71.5 | 76.3 | 74.0 | 68.2  | 56.8             | 45.6 | 35.0             | 54.2             |
| Daily mean maximum.....              | 40.6             | 40.5             | 51.4             | 62.7 | 73.6             | 81.8 | 85.8 | 83.3 | 77.6  | 66.2             | 53.6 | 42.2             | 63.3             |
| Daily mean minimum.....              | 25.5             | 24.7             | 32.8             | 42.1 | 52.4             | 61.1 | 66.8 | 64.7 | 58.9  | 47.5             | 37.6 | 27.8             | 45.2             |
| Highest on record.....               | 71               | 78               | 80               | 97   | 98               | 102  | 106  | 107  | 98    | 90               | 78   | 70               | 107              |
| Lowest on record.....                | -10              | -15              | 6                | 11   | 31               | 41   | 49   | 47   | 33    | 25               | 11   | -7               | -15              |
| Precipitation:                       |                  |                  |                  |      |                  |      |      |      |       |                  |      |                  |                  |
| Total, inches.....                   | 3.47             | 3.26             | 3.53             | 3.48 | 3.58             | 3.91 | 4.96 | 4.88 | 3.66  | 3.09             | 2.99 | 3.52             | 44.33            |
| Days with 0.01 inch or more.....     | 9                | 9                | 10               | 9    | 10               | 9    | 9    | 10   | 7     | 6                | 8    | 9                | 105              |
| Total snowfall, inches.....          | 6.5              | 6.7              | 3.5              | 1.0  | 0                | 0    | 0    | 0    | 0     | 0.1              | 0.4  | 4.6              | 22.8             |
| Number of clear days.....            | 14               | 14               | 15               | 15   | 15               | 16   | 17   | 16   | 17    | 18               | 15   | 14               | 186              |
| <b>D. C., WASHINGTON</b>             |                  |                  |                  |      |                  |      |      |      |       |                  |      |                  |                  |
| Temperature:                         |                  |                  |                  |      |                  |      |      |      |       |                  |      |                  |                  |
| Monthly mean.....                    | 33.4             | 35.3             | 42.6             | 53.3 | 63.7             | 72.2 | 76.8 | 75.0 | 68.1  | 57.4             | 45.2 | 36.6             | 55.0             |
| Daily mean maximum.....              | 42.2             | 43.6             | 52.3             | 63.4 | 74.4             | 82.4 | 86.6 | 84.0 | 78.2  | 66.9             | 54.5 | 44.3             | 64.4             |
| Daily mean minimum.....              | 26.5             | 27.2             | 34.3             | 43.0 | 54.0             | 62.9 | 67.7 | 65.7 | 59.3  | 47.3             | 37.3 | 29.1             | 46.2             |
| Highest on record.....               | 77               | 84               | 93               | 95   | 97               | 102  | 106  | 108  | 104   | 93               | 83   | 74               | 106              |
| Lowest on record.....                | -14              | -15              | 4                | 15   | 33               | 43   | 52   | 49   | 36    | 26               | 11   | -13              | -15              |
| Precipitation:                       |                  |                  |                  |      |                  |      |      |      |       |                  |      |                  |                  |
| Total, inches.....                   | 3.55             | 3.27             | 3.75             | 3.27 | 3.70             | 4.13 | 4.71 | 4.01 | 3.24  | 2.84             | 2.37 | 3.32             | 42.16            |
| Days with 0.01 inch or more.....     | 11               | 10               | 12               | 11   | 12               | 11   | 11   | 11   | 8     | 8                | 9    | 10               | 124              |
| Total snowfall, inches.....          | 6.6              | 5.8              | 3.9              | 0.5  | ( <sup>1</sup> ) | 0    | 0    | 0    | 0     | ( <sup>1</sup> ) | 0.7  | 3.5              | 21.0             |
| Percentage of possible sunshine..... | 46               | 53               | 55               | 58   | 61               | 64   | 64   | 61   | 62    | 62               | 53   | 47               | 57               |
| Number of clear days.....            | 9                | 9                | 10               | 11   | 11               | 11   | 11   | 11   | 12    | 14               | 10   | 10               | 129              |
| Hourly wind velocity, miles.....     | 7.0              | 7.7              | 8.5              | 8.0  | 6.4              | 5.7  | 5.3  | 4.9  | 5.1   | 5.7              | 6.6  | 6.7              | 6.4              |
| <b>FLORIDA, JACKSONVILLE</b>         |                  |                  |                  |      |                  |      |      |      |       |                  |      |                  |                  |
| Temperature:                         |                  |                  |                  |      |                  |      |      |      |       |                  |      |                  |                  |
| Monthly mean.....                    | 55.4             | 58.0             | 62.6             | 68.7 | 75.0             | 79.9 | 82.1 | 81.7 | 78.3  | 71.1             | 62.2 | 56.3             | 69.3             |
| Daily mean maximum.....              | 64.6             | 66.7             | 71.9             | 77.3 | 83.3             | 87.9 | 89.9 | 89.3 | 85.5  | 78.3             | 70.8 | 65.2             | 77.6             |
| Daily mean minimum.....              | 47.4             | 49.1             | 54.1             | 59.8 | 66.4             | 71.9 | 73.8 | 73.7 | 71.5  | 63.5             | 54.2 | 48.0             | 61.1             |
| Highest on record.....               | 83               | 86               | 91               | 92   | 98               | 101  | 104  | 101  | 99    | 95               | 86   | 83               | 104              |
| Lowest on record.....                | 15               | 10               | 26               | 34   | 46               | 54   | 65   | 64   | 49    | 37               | 26   | 14               | 10               |
| Precipitation:                       |                  |                  |                  |      |                  |      |      |      |       |                  |      |                  |                  |
| Total, inches.....                   | 2.80             | 2.97             | 2.91             | 2.38 | 4.02             | 5.33 | 6.71 | 5.81 | 7.35  | 4.46             | 1.98 | 3.02             | 49.74            |
| Days with 0.01 inch or more.....     | 9                | 8                | 8                | 7    | 9                | 13   | 15   | 15   | 13    | 10               | 7    | 8                | 122              |
| Total snowfall, inches.....          | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 0    | 0                | 0    | 0    | 0    | 0     | 0                | 0    | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Percentage of possible sunshine..... | 57               | 59               | 68               | 73   | 71               | 64   | 64   | 65   | 62    | 59               | 63   | 53               | 63               |
| Number of clear days.....            | 11               | 10               | 13               | 13   | 12               | 8    | 8    | 8    | 9     | 12               | 13   | 11               | 128              |
| Hourly wind velocity, miles.....     | 9.2              | 9.5              | 9.8              | 9.7  | 9.1              | 8.8  | 8.7  | 8.3  | 8.7   | 9.2              | 9.0  | 8.9              | 9.1              |
| <b>FLORIDA, MIAMI</b>                |                  |                  |                  |      |                  |      |      |      |       |                  |      |                  |                  |
| Temperature:                         |                  |                  |                  |      |                  |      |      |      |       |                  |      |                  |                  |
| Monthly mean.....                    | 67.7             | 68.2             | 71.1             | 73.9 | 77.5             | 80.3 | 81.7 | 82.1 | 81.0  | 77.7             | 72.5 | 68.7             | 75.2             |
| Daily mean maximum.....              | 74.4             | 75.0             | 76.7             | 78.8 | 82.7             | 85.5 | 87.1 | 87.5 | 86.1  | 82.9             | 77.6 | 75.3             | 80.9             |
| Daily mean minimum.....              | 62.1             | 61.4             | 63.8             | 67.7 | 71.5             | 74.7 | 76.1 | 76.5 | 75.5  | 72.8             | 66.4 | 62.8             | 69.3             |
| Highest on record.....               | 85               | 88               | 92               | 93   | 94               | 94   | 96   | 96   | 95    | 93               | 88   | 91               | 96               |
| Lowest on record.....                | 29               | 27               | 34               | 45   | 50               | 61   | 66   | 67   | 62    | 52               | 36   | 30               | 27               |
| Precipitation:                       |                  |                  |                  |      |                  |      |      |      |       |                  |      |                  |                  |
| Total, inches.....                   | 2.52             | 1.83             | 2.17             | 3.09 | 6.22             | 6.86 | 5.42 | 6.17 | 8.34  | 8.44             | 2.97 | 1.09             | 55.66            |
| Days with 0.01 inch or more.....     | 9                | 6                | 7                | 8    | 12               | 13   | 15   | 15   | 18    | 16               | 10   | 7                | 136              |
| Total snowfall, inches.....          | 0                | 0                | 0                | 0    | 0                | 0    | 0    | 0    | 0     | 0                | 0    | 0                | 0                |
| Percentage of possible sunshine..... | 64               | 72               | 74               | 73   | 67               | 62   | 67   | 66   | 64    | 63               | 65   | 67               | 67               |
| Number of clear days.....            | 9                | 11               | 12               | 10   | 7                | 5    | 5    | 6    | 5     | 7                | 9    | 10               | 96               |
| Hourly wind velocity, miles.....     | 9.7              | 9.6              | 10.0             | 9.9  | 9.3              | 8.4  | 8.1  | 8.2  | 8.8   | 9.7              | 10.7 | 9.3              | 9.3              |
| <b>FLORIDA, TAMPA</b>                |                  |                  |                  |      |                  |      |      |      |       |                  |      |                  |                  |
| Temperature:                         |                  |                  |                  |      |                  |      |      |      |       |                  |      |                  |                  |
| Monthly mean.....                    | 60.4             | 61.9             | 66.8             | 70.9 | 76.3             | 80.2 | 81.2 | 81.5 | 79.9  | 74.3             | 66.9 | 61.1             | 71.8             |
| Daily mean maximum.....              | 70.0             | 71.4             | 76.0             | 80.4 | 85.5             | 88.6 | 89.3 | 89.6 | 88.2  | 82.6             | 75.9 | 70.7             | 80.7             |
| Daily mean minimum.....              | 52.3             | 63.7             | 57.8             | 62.0 | 67.6             | 71.9 | 73.7 | 73.3 | 72.3  | 66.3             | 58.2 | 53.1             | 63.6             |
| Highest on record.....               | 83               | 86               | 92               | 91   | 94               | 98   | 97   | 97   | 96    | 93               | 85   | 86               | 98               |
| Lowest on record.....                | 23               | 22               | 32               | 38   | 52               | 59   | 65   | 65   | 54    | 43               | 32   | 19               | 19               |
| Precipitation:                       |                  |                  |                  |      |                  |      |      |      |       |                  |      |                  |                  |
| Total, inches.....                   | 2.69             | 2.59             | 2.43             | 2.01 | 2.99             | 7.25 | 7.95 | 8.18 | 6.42  | 3.09             | 1.72 | 2.07             | 49.33            |
| Days with 0.01 inch or more.....     | 7                | 7                | 8                | 5    | 7                | 14   | 17   | 17   | 15    | 8                | 5    | 7                | 115              |
| Total snowfall, inches.....          | 0                | ( <sup>1</sup> ) | 0                | 0    | 0                | 0    | 0    | 0    | 0     | 0                | 0    | ( <sup>1</sup> ) | ( <sup>1</sup> ) |
| Percentage of possible sunshine..... | 60               | 63               | 71               | 74   | 74               | 66   | 63   | 65   | 65    | 66               | 67   | 60               | 60               |
| Number of clear days.....            | 11               | 11               | 14               | 13   | 11               | 7    | 5    | 5    | 7     | 12               | 13   | 12               | 121              |
| Hourly wind velocity, miles.....     | 8.0              | 8.4              | 8.6              | 8.4  | 7.9              | 7.3  | 6.6  | 6.7  | 7.5   | 8.4              | 8.1  | 7.8              | 7.8              |

<sup>1</sup> Trace.

## No. 145.—CLIMATIC CONDITIONS, ETC.—Continued

| Station                              | Jan. | Feb. | Mar. | Apr.             | May              | June             | July | Aug. | Sept.            | Oct.             | Nov. | Dec. | Annual |
|--------------------------------------|------|------|------|------------------|------------------|------------------|------|------|------------------|------------------|------|------|--------|
| <b>GEORGIA, ATLANTA</b>              |      |      |      |                  |                  |                  |      |      |                  |                  |      |      |        |
| Temperature:                         |      |      |      |                  |                  |                  |      |      |                  |                  |      |      |        |
| Monthly mean.....                    | 42.6 | 45.3 | 52.0 | 61.0             | 69.9             | 76.0             | 78.1 | 77.0 | 72.4             | 63.0             | 52.1 | 44.7 | 61.2   |
| Daily mean maximum.....              | 51.3 | 54.0 | 61.7 | 70.3             | 78.6             | 85.3             | 87.0 | 85.8 | 81.8             | 71.5             | 60.5 | 52.3 | 70.0   |
| Daily mean minimum.....              | 35.6 | 37.2 | 43.4 | 51.6             | 60.1             | 67.1             | 69.7 | 69.0 | 64.7             | 53.8             | 43.6 | 36.9 | 62.7   |
| Highest on record.....               | 76   | 78   | 87   | 93               | 97               | 101              | 103  | 101  | 102              | 94               | 82   | 75   | 103    |
| Lowest on record.....                | -2   | -8   | 8    | 25               | 38               | 39               | 58   | 55   | 43               | 28               | 14   | 1    | -18    |
| Precipitation:                       |      |      |      |                  |                  |                  |      |      |                  |                  |      |      |        |
| Total, inches.....                   | 4.95 | 4.79 | 5.30 | 3.61             | 3.47             | 3.74             | 4.65 | 4.45 | 2.99             | 2.59             | 3.03 | 4.70 | 43.27  |
| Days with 0.01 inch or more.....     | 12   | 11   | 11   | 10               | 10               | 11               | 13   | 12   | 8                | 7                | 5    | 11   | 124    |
| Total snowfall, inches.....          | 0.7  | 0.9  | 0.1  | ( <sup>1</sup> ) | 0                | 0                | 0    | 0    | 0                | ( <sup>1</sup> ) | 0    | 0.4  | 2.1    |
| Percentage of possible sunshine..... | 49   | 54   | 61   | 66               | 67               | 68               | 61   | 61   | 64               | 67               | 61   | 47   | 60     |
| Number of clear days.....            | 10   | 9    | 12   | 12               | 11               | 10               | 8    | 9    | 13               | 16               | 13   | 10   | 133    |
| Hourly wind velocity, miles.....     | 12.0 | 12.3 | 12.1 | 11.0             | 9.5              | 8.3              | 7.9  | 7.5  | 8.4              | 9.8              | 11.0 | 11.5 | 10.1   |
| <b>IDAHO, BOISE</b>                  |      |      |      |                  |                  |                  |      |      |                  |                  |      |      |        |
| Temperature:                         |      |      |      |                  |                  |                  |      |      |                  |                  |      |      |        |
| Monthly mean.....                    | 29.8 | 34.8 | 42.7 | 50.4             | 57.1             | 65.3             | 72.9 | 71.8 | 61.9             | 51.1             | 41.0 | 32.1 | 50.9   |
| Daily mean maximum.....              | 37.3 | 43.2 | 52.8 | 62.4             | 70.5             | 79.6             | 89.0 | 87.9 | 75.7             | 64.0             | 50.0 | 39.5 | 62.7   |
| Daily mean minimum.....              | 21.9 | 26.6 | 32.8 | 38.5             | 44.9             | 51.3             | 57.8 | 56.4 | 48.2             | 39.2             | 31.0 | 24.5 | 39.4   |
| Highest on record.....               | 62   | 69   | 83   | 92               | 100              | 107              | 113  | 121  | 103              | 95               | 85   | 67   | 121    |
| Lowest on record.....                | -28  | -13  | -5   | 17               | 25               | 30               | 40   | 32   | 23               | 14               | -10  | -18  | -28    |
| Precipitation:                       |      |      |      |                  |                  |                  |      |      |                  |                  |      |      |        |
| Total, inches.....                   | 1.73 | 1.44 | 1.35 | 1.18             | 1.43             | 0.92             | 0.24 | 0.19 | 0.53             | 1.24             | 1.28 | 1.57 | 13.10  |
| Days with 0.01 inch or more.....     | 11   | 9    | 9    | 7                | 7                | 5                | 2    | 2    | 3                | 6                | 8    | 10   | 79     |
| Total snowfall, inches.....          | 8.2  | 5.4  | 2.9  | 0.7              | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 0    | 0    | ( <sup>1</sup> ) | 0.1              | 1.5  | 5.6  | 24.4   |
| Percentage of possible sunshine..... | 37   | 52   | 62   | 70               | 75               | 81               | 88   | 88   | 78               | 69               | 51   | 40   | 66     |
| Number of clear days.....            | 5    | 6    | 8    | 9                | 11               | 14               | 22   | 22   | 18               | 14               | 9    | 6    | 144    |
| Hourly wind velocity, miles.....     | 5.7  | 6.1  | 6.8  | 7.0              | 6.8              | 6.2              | 5.9  | 5.6  | 5.5              | 5.4              | 5.6  | 5.5  | 6.0    |
| <b>ILLINOIS, CHICAGO</b>             |      |      |      |                  |                  |                  |      |      |                  |                  |      |      |        |
| Temperature:                         |      |      |      |                  |                  |                  |      |      |                  |                  |      |      |        |
| Monthly mean.....                    | 23.7 | 26.3 | 35.3 | 46.9             | 57.5             | 67.3             | 72.5 | 71.6 | 65.2             | 54.0             | 40.1 | 28.8 | 49.1   |
| Daily mean maximum.....              | 31.1 | 33.4 | 42.8 | 54.7             | 65.5             | 75.7             | 80.5 | 79.2 | 73.4             | 61.7             | 47.0 | 35.2 | 56.7   |
| Daily mean minimum.....              | 17.9 | 19.9 | 28.9 | 39.5             | 49.0             | 59.3             | 65.1 | 64.1 | 57.3             | 45.9             | 33.5 | 22.8 | 41.9   |
| Highest on record.....               | 65   | 68   | 81   | 90               | 98               | 102              | 105  | 102  | 98               | 87               | 77   | 68   | 105    |
| Lowest on record.....                | -20  | -21  | -12  | 17               | 27               | 40               | 50   | 47   | 32               | 14               | -2   | -23  | -13    |
| Precipitation:                       |      |      |      |                  |                  |                  |      |      |                  |                  |      |      |        |
| Total, inches.....                   | 1.90 | 2.14 | 2.58 | 2.78             | 3.54             | 3.30             | 3.33 | 3.21 | 3.14             | 2.53             | 2.37 | 2.04 | 32.86  |
| Days with 0.01 inch or more.....     | 11   | 10   | 12   | 11               | 11               | 11               | 9    | 9    | 9                | 9                | 10   | 11   | 123    |
| Total snowfall, inches.....          | 8.9  | 8.6  | 6.1  | 0.9              | ( <sup>1</sup> ) | 0                | 0    | 0    | 0                | 0.1              | 1.6  | 7.0  | 33.2   |
| Percentage of possible sunshine..... | 45   | 50   | 53   | 57               | 64               | 70               | 73   | 69   | 64               | 59               | 46   | 40   | 53     |
| Number of clear days.....            | 8    | 7    | 8    | 9                | 10               | 10               | 13   | 13   | 12               | 12               | 8    | 7    | 117    |
| Hourly wind velocity, miles.....     | 12.5 | 12.1 | 13.8 | 12.7             | 11.2             | 10.3             | 9.6  | 9.6  | 10.2             | 10.9             | 12.2 | 11.9 | 11.4   |
| <b>INDIANA, INDIANAPOLIS</b>         |      |      |      |                  |                  |                  |      |      |                  |                  |      |      |        |
| Temperature:                         |      |      |      |                  |                  |                  |      |      |                  |                  |      |      |        |
| Monthly mean.....                    | 28.4 | 31.1 | 40.0 | 52.1             | 62.9             | 71.6             | 75.7 | 73.7 | 66.9             | 55.7             | 42.3 | 32.2 | 62.7   |
| Daily mean maximum.....              | 36.3 | 38.7 | 48.7 | 61.2             | 72.2             | 81.4             | 86.7 | 83.3 | 76.8             | 64.6             | 49.8 | 39.0 | 61.5   |
| Daily mean minimum.....              | 21.6 | 23.3 | 32.1 | 43.1             | 53.4             | 62.7             | 66.7 | 64.5 | 57.8             | 46.4             | 34.7 | 25.4 | 44.3   |
| Highest on record.....               | 70   | 73   | 84   | 90               | 96               | 101              | 106  | 103  | 98               | 89               | 78   | 69   | 106    |
| Lowest on record.....                | -25  | -18  | 0    | 19               | 31               | 39               | 48   | 44   | 30               | 22               | -5   | -15  | -25    |
| Precipitation:                       |      |      |      |                  |                  |                  |      |      |                  |                  |      |      |        |
| Total, inches.....                   | 2.95 | 2.73 | 3.93 | 3.62             | 3.89             | 3.62             | 3.34 | 3.31 | 3.40             | 2.78             | 3.35 | 2.98 | 36.90  |
| Days with 0.01 inch or more.....     | 12   | 11   | 13   | 12               | 13               | 11               | 10   | 9    | 9                | 9                | 11   | 12   | 132    |
| Total snowfall, inches.....          | 6.1  | 4.8  | 3.7  | 0.7              | 0.1              | 0                | 0    | 0    | 0                | 0.1              | 1.3  | 4.7  | 21.5   |
| Percentage of possible sunshine..... | 43   | 47   | 48   | 55               | 61               | 67               | 72   | 67   | 67               | 62               | 49   | 39   | 56     |
| Number of clear days.....            | 6    | 6    | 6    | 8                | 9                | 8                | 11   | 11   | 12               | 12               | 8    | 6    | 103    |
| Hourly wind velocity, miles.....     | 11.6 | 11.6 | 12.1 | 11.8             | 10.5             | 9.5              | 8.8  | 8.5  | 9.2              | 9.9              | 11.3 | 11.2 | 10.5   |
| <b>IOWA, DES MOINES</b>              |      |      |      |                  |                  |                  |      |      |                  |                  |      |      |        |
| Temperature:                         |      |      |      |                  |                  |                  |      |      |                  |                  |      |      |        |
| Monthly mean.....                    | 20.1 | 23.7 | 35.9 | 50.1             | 61.3             | 70.6             | 75.4 | 73.1 | 65.6             | 53.4             | 38.4 | 26.0 | 49.5   |
| Daily mean maximum.....              | 30.1 | 33.8 | 45.9 | 60.7             | 71.6             | 80.7             | 86.3 | 83.7 | 75.7             | 63.8             | 47.6 | 34.1 | 59.5   |
| Daily mean minimum.....              | 12.3 | 15.7 | 27.4 | 40.4             | 51.1             | 61.0             | 65.4 | 63.0 | 55.1             | 43.3             | 29.6 | 17.9 | 40.2   |
| Highest on record.....               | 65   | 78   | 88   | 92               | 105              | 108              | 109  | 110  | 99               | 91               | 79   | 69   | 110    |
| Lowest on record.....                | -30  | -26  | -10  | 11               | 26               | 37               | 48   | 40   | 26               | 7                | -10  | -21  | -30    |
| Precipitation:                       |      |      |      |                  |                  |                  |      |      |                  |                  |      |      |        |
| Total, inches.....                   | 1.07 | 1.12 | 1.78 | 2.91             | 4.58             | 4.76             | 3.50 | 3.52 | 3.67             | 2.50             | 1.43 | 1.22 | 32.04  |
| Days with 0.01 inch or more.....     | 8    | 7    | 9    | 10               | 12               | 11               | 9    | 9    | 9                | 8                | 7    | 8    | 107    |
| Total snowfall, inches.....          | 8.4  | 6.9  | 5.5  | 1.1              | ( <sup>1</sup> ) | 0                | 0    | 0    | 0                | 0.3              | 2.2  | 7.1  | 31.5   |
| Percentage of possible sunshine..... | 55   | 58   | 57   | 59               | 62               | 67               | 74   | 69   | 63               | 62               | 53   | 49   | 61     |
| Number of clear days.....            | 10   | 9    | 8    | 8                | 8                | 8                | 12   | 13   | 12               | 13               | 10   | 9    | 120    |
| Hourly wind velocity, miles.....     | 10.1 | 10.4 | 11.6 | 11.1             | 10.4             | 9.8              | 8.7  | 8.0  | 9.0              | 8.8              | 10.4 | 9.8  | 9.9    |

<sup>1</sup> Trace.

## No. 145.—CLIMATIC CONDITIONS, ETC.—Continued

| Station                              | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|--------------------------------------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| <b>KANSAS, DODGE CITY</b>            |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 29.0 | 33.2 | 42.8 | 53.6 | 63.5 | 72.5 | 78.4 | 77.7 | 69.4  | 56.1 | 42.6 | 32.6 | 54.3   |
| Daily mean maximum.....              | 41.8 | 46.1 | 56.2 | 67.0 | 75.2 | 85.3 | 90.7 | 89.3 | 81.8  | 69.5 | 55.8 | 44.6 | 66.9   |
| Daily mean minimum.....              | 17.8 | 21.2 | 29.1 | 40.9 | 51.0 | 61.0 | 66.0 | 64.7 | 56.3  | 43.3 | 29.8 | 21.0 | 41.8   |
| Highest on record.....               | 79   | 84   | 98   | 98   | 101  | 107  | 109  | 105  | 103   | 94   | 86   | 79   | 109    |
| Lowest on record.....                | -20  | -26  | -10  | 13   | 19   | 36   | 46   | 43   | 30    | 10   | -13  | -15  | -28    |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 0.41 | 0.77 | 0.89 | 1.94 | 2.89 | 3.30 | 3.14 | 2.67 | 1.90  | 1.30 | 0.73 | 0.57 | 20.51  |
| Days with 0.01 inch or more.....     | 4    | 5    | 6    | 7    | 10   | 9    | 8    | 8    | 5     | 5    | 4    | 4    | 76     |
| Total snowfall, inches.....          | 3.4  | 5.4  | 4.3  | 0.9  | (1)  | 0    | 0    | 0    | 0     | 0.2  | 1.5  | 3.1  | 18.8   |
| Percentage of possible sunshine..... | 68   | 67   | 68   | 68   | 67   | 73   | 77   | 78   | 76    | 75   | 71   | 67   | 70     |
| Number of clear days.....            | 15   | 13   | 13   | 13   | 12   | 15   | 16   | 17   | 17    | 18   | 16   | 15   | 180    |
| Hourly wind velocity, miles.....     | 10.3 | 10.7 | 12.4 | 13.3 | 12.5 | 12.0 | 10.6 | 10.3 | 11.1  | 10.8 | 10.1 | 10.1 | 11.2   |
| <b>KENTUCKY, LOUISVILLE</b>          |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 34.4 | 37.2 | 45.4 | 53.4 | 66.6 | 74.7 | 78.6 | 77.0 | 70.5  | 59.3 | 46.7 | 37.6 | 57.0   |
| Daily mean maximum.....              | 42.7 | 45.2 | 54.6 | 65.7 | 75.8 | 84.2 | 88.2 | 86.3 | 80.5  | 68.7 | 54.8 | 44.7 | 66.0   |
| Daily mean minimum.....              | 27.2 | 28.7 | 36.8 | 43.7 | 56.4 | 65.3 | 69.1 | 67.3 | 61.0  | 49.1 | 38.3 | 30.2 | 48.0   |
| Highest on record.....               | 74   | 78   | 88   | 91   | 98   | 101  | 107  | 105  | 102   | 91   | 79   | 74   | 107    |
| Lowest on record.....                | -20  | -14  | 3    | 21   | 33   | 43   | 54   | 47   | 36    | 23   | 1    | -7   | -20    |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 4.00 | 3.55 | 4.39 | 3.88 | 3.72 | 3.82 | 3.70 | 3.42 | 2.78  | 2.65 | 3.61 | 3.74 | 43.26  |
| Days with 0.01 inch or more.....     | 12   | 10   | 12   | 12   | 11   | 11   | 10   | 9    | 8     | 8    | 10   | 11   | 124    |
| Total snowfall, inches.....          | 4.2  | 3.7  | 2.1  | 0.2  | (1)  | 0    | 0    | 0    | 0     | 0.1  | 0.4  | 3.1  | 13.8   |
| Percentage of possible sunshine..... | 43   | 48   | 52   | 58   | 63   | 69   | 72   | 69   | 68    | 65   | 51   | 39   | 58     |
| Number of clear days.....            | 8    | 7    | 8    | 9    | 10   | 9    | 12   | 12   | 13    | 14   | 10   | 7    | 119    |
| Hourly wind velocity, miles.....     | 9.9  | 10.1 | 10.8 | 9.9  | 8.5  | 7.7  | 7.0  | 6.7  | 7.1   | 7.8  | 9.3  | 9.4  | 8.7    |
| <b>LOUISIANA, NEW ORLEANS</b>        |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 54.2 | 57.3 | 62.8 | 68.8 | 75.4 | 80.6 | 82.4 | 82.2 | 79.2  | 71.0 | 61.6 | 55.6 | 69.3   |
| Daily mean maximum.....              | 62.5 | 65.1 | 71.0 | 76.8 | 82.9 | 88.1 | 89.4 | 89.3 | 86.2  | 78.4 | 69.8 | 63.3 | 76.9   |
| Daily mean minimum.....              | 47.3 | 49.7 | 55.2 | 61.3 | 67.8 | 73.7 | 75.5 | 75.6 | 72.9  | 64.1 | 54.5 | 48.4 | 62.2   |
| Highest on record.....               | 82   | 84   | 90   | 90   | 96   | 102  | 102  | 100  | 99    | 94   | 89   | 84   | 102    |
| Lowest on record.....                | 15   | 7    | 28   | 38   | 52   | 58   | 60   | 63   | 64    | 40   | 29   | 19   | 7      |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 4.34 | 4.25 | 4.72 | 5.24 | 4.60 | 5.88 | 6.37 | 5.80 | 5.03  | 3.30 | 3.14 | 4.79 | 57.46  |
| Days with 0.01 inch or more.....     | 10   | 9    | 9    | 7    | 9    | 13   | 15   | 14   | 10    | 7    | 7    | 10   | 120    |
| Total snowfall, inches.....          | 0.1  | 0.2  | (1)  | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0    | (1)  | 0.3    |
| Percentage of possible sunshine..... | 48   | 51   | 57   | 62   | 67   | 63   | 57   | 57   | 64    | 68   | 59   | 46   | 68     |
| Number of clear days.....            | 9    | 9    | 11   | 11   | 12   | 9    | 7    | 7    | 12    | 16   | 13   | 9    | 125    |
| Hourly wind velocity, miles.....     | 8.2  | 8.7  | 8.8  | 8.4  | 7.2  | 6.3  | 5.9  | 5.8  | 6.9   | 7.4  | 7.7  | 8.1  | 7.4    |
| <b>MAINE, PORTLAND</b>               |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 22.4 | 23.8 | 31.8 | 43.0 | 53.3 | 62.5 | 68.1 | 66.4 | 59.6  | 49.9 | 38.0 | 27.6 | 45.5   |
| Daily mean maximum.....              | 30.5 | 31.3 | 39.6 | 50.4 | 61.8 | 70.8 | 76.3 | 74.0 | 67.7  | 57.2 | 45.3 | 34.2 | 53.2   |
| Daily mean minimum.....              | 15.2 | 15.7 | 25.0 | 35.4 | 45.5 | 54.2 | 60.1 | 58.8 | 52.2  | 42.4 | 31.9 | 20.4 | 38.1   |
| Highest on record.....               | 65   | 58   | 79   | 89   | 94   | 96   | 103  | 98   | 96    | 85   | 74   | 65   | 103    |
| Lowest on record.....                | -18  | -18  | -7   | 9    | 27   | 38   | 48   | 45   | 32    | 22   | -6   | -21  | -21    |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 3.97 | 4.00 | 3.86 | 3.38 | 3.40 | 3.28 | 3.24 | 3.14 | 3.10  | 3.14 | 3.46 | 3.97 | 41.94  |
| Days with 0.01 inch or more.....     | 12   | 11   | 12   | 11   | 12   | 11   | 12   | 11   | 10    | 10   | 11   | 12   | 135    |
| Total snowfall, inches.....          | 19.3 | 20.6 | 11.8 | 4.7  | (1)  | 0    | 0    | 0    | (1)   | (1)  | 4.2  | 12.2 | 72.8   |
| Percentage of possible sunshine..... | 53   | 58   | 56   | 57   | 58   | 61   | 64   | 63   | 61    | 57   | 46   | 49   | 67     |
| Number of clear days.....            | 11   | 11   | 11   | 10   | 10   | 12   | 11   | 12   | 12    | 11   | 10   | 10   | 131    |
| Hourly wind velocity, miles.....     | 8.9  | 9.1  | 9.6  | 9.4  | 8.7  | 7.8  | 7.4  | 7.0  | 7.6   | 8.4  | 8.9  | 8.8  | 8.5    |
| <b>MARYLAND, BALTIMORE</b>           |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 33.8 | 35.4 | 42.3 | 53.6 | 64.4 | 72.7 | 77.2 | 75.5 | 68.5  | 58.2 | 46.3 | 37.2 | 55.4   |
| Daily mean maximum.....              | 41.7 | 42.6 | 51.0 | 62.1 | 73.2 | 81.7 | 86.1 | 83.4 | 77.5  | 66.4 | 54.0 | 44.0 | 63.6   |
| Daily mean minimum.....              | 27.8 | 28.2 | 35.0 | 44.7 | 55.3 | 64.3 | 69.3 | 67.2 | 61.1  | 49.5 | 39.2 | 30.7 | 47.7   |
| Highest on record.....               | 79   | 83   | 88   | 94   | 98   | 105  | 104  | 105  | 101   | 92   | 82   | 73   | 105    |
| Lowest on record.....                | -6   | -7   | 5    | 15   | 34   | 46   | 64   | 61   | 39    | 30   | 12   | -3   | -7     |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 3.50 | 3.39 | 3.71 | 3.34 | 3.54 | 3.88 | 4.64 | 4.37 | 3.37  | 2.89 | 2.56 | 3.37 | 42.56  |
| Days with 0.01 inch or more.....     | 11   | 10   | 12   | 11   | 11   | 11   | 11   | 11   | 8     | 8    | 9    | 11   | 124    |
| Total snowfall, inches.....          | 6.5  | 6.8  | 4.6  | 0.8  | (1)  | 0    | 0    | 0    | 0     | (1)  | 0.6  | 4.0  | 23.3   |
| Percentage of possible sunshine..... | 49   | 56   | 58   | 59   | 60   | 63   | 65   | 62   | 64    | 64   | 54   | 49   | 59     |
| Number of clear days.....            | 9    | 9    | 10   | 10   | 10   | 9    | 10   | 10   | 12    | 13   | 10   | 9    | 121    |
| Hourly wind velocity, miles.....     | 7.7  | 8.1  | 8.6  | 8.5  | 7.8  | 7.4  | 7.2  | 6.9  | 7.0   | 7.3  | 7.5  | 7.6  | 7.6    |

(1) Trace.

## No. 145.—CLIMATIC CONDITIONS, ETC.—Continued

| Station                                        | Jan. | Feb. | Mar.             | Apr. | May              | June | July | Aug. | Sept.            | Oct.             | Nov.             | Dec. | Annual |
|------------------------------------------------|------|------|------------------|------|------------------|------|------|------|------------------|------------------|------------------|------|--------|
| <b>MASSACHUSETTS, BOSTON</b>                   |      |      |                  |      |                  |      |      |      |                  |                  |                  |      |        |
| Temperature:                                   |      |      |                  |      |                  |      |      |      |                  |                  |                  |      |        |
| Monthly mean.....                              | 27.9 | 28.8 | 35.6             | 46.4 | 57.1             | 66.5 | 71.7 | 69.9 | 63.2             | 53.6             | 42.0             | 32.5 | 49.6   |
| Daily mean maximum.....                        | 36.1 | 36.3 | 44.0             | 54.6 | 65.7             | 75.3 | 80.5 | 77.8 | 71.6             | 61.4             | 49.7             | 39.3 | 57.7   |
| Daily mean minimum.....                        | 20.4 | 20.6 | 28.5             | 38.3 | 48.7             | 57.8 | 63.7 | 62.0 | 55.6             | 45.5             | 35.2             | 25.0 | 41.8   |
| Highest on record.....                         | 70   | 68   | 83               | 89   | 97               | 100  | 104  | 98   | 102              | 90               | 78               | 69   | 104    |
| Lowest on record.....                          | -13  | -18  | -8               | 11   | 31               | 42   | 46   | 47   | 34               | 25               | -2               | -17  | -18    |
| Precipitation:                                 |      |      |                  |      |                  |      |      |      |                  |                  |                  |      |        |
| Total, inches.....                             | 3.61 | 3.37 | 3.57             | 3.34 | 3.18             | 2.89 | 3.49 | 3.62 | 3.14             | 3.15             | 3.33             | 3.45 | 40.14  |
| Days with 0.01 inch or more.....               | 12   | 10   | 12               | 11   | 11               | 10   | 10   | 10   | 9                | 9                | 10               | 11   | 125    |
| Total snowfall, inches.....                    | 11.4 | 13.0 | 7.5              | 2.2  | ( <sup>1</sup> ) | 0    | 0    | 0    | 0                | ( <sup>1</sup> ) | 1.5              | 7.9  | 43.5   |
| Percentage of possible sunshine.....           | 49   | 58   | 57               | 58   | 59               | 63   | 64   | 63   | 62               | 56               | 48               | 48   | 57     |
| Number of clear days.....                      | 9    | 10   | 10               | 9    | 9                | 10   | 9    | 11   | 12               | 11               | 9                | 9    | 118    |
| Hourly wind velocity, miles <sup>1</sup> ..... | 16.1 | 16.5 | 16.4             | 14.5 | 13.1             | 12.4 | 12.3 | 12.2 | 13.0             | 14.2             | 15.4             | 15.8 | 14.3   |
| <b>MICHIGAN, DETROIT</b>                       |      |      |                  |      |                  |      |      |      |                  |                  |                  |      |        |
| Temperature:                                   |      |      |                  |      |                  |      |      |      |                  |                  |                  |      |        |
| Monthly mean.....                              | 24.4 | 25.3 | 33.4             | 46.2 | 58.0             | 67.4 | 72.1 | 70.3 | 63.5             | 52.5             | 39.3             | 29.3 | 48.5   |
| Daily mean maximum.....                        | 31.4 | 32.1 | 41.4             | 54.9 | 67.0             | 76.5 | 81.6 | 79.1 | 72.4             | 60.1             | 45.7             | 35.0 | 56.4   |
| Daily mean minimum.....                        | 18.6 | 18.6 | 26.5             | 37.5 | 48.6             | 58.5 | 63.5 | 61.7 | 55.7             | 44.7             | 33.3             | 23.5 | 40.9   |
| Highest on record.....                         | 66   | 65   | 81               | 88   | 95               | 104  | 105  | 104  | 97               | 88               | 75               | 65   | 105    |
| Lowest on record.....                          | -16  | -20  | -7               | 8    | 28               | 38   | 48   | 45   | 30               | 22               | 0                | -24  | -24    |
| Precipitation:                                 |      |      |                  |      |                  |      |      |      |                  |                  |                  |      |        |
| Total, inches.....                             | 2.07 | 2.18 | 2.40             | 2.46 | 3.21             | 3.58 | 3.32 | 2.78 | 2.90             | 2.38             | 2.44             | 2.35 | 32.05  |
| Days with 0.01 inch or more.....               | 13   | 12   | 13               | 11   | 13               | 11   | 9    | 9    | 10               | 10               | 12               | 14   | 137    |
| Total snowfall, inches.....                    | 10.7 | 9.6  | 7.5              | 1.9  | 0.2              | 0    | 0    | 0    | 0                | 0.1              | 2.6              | 9.1  | 41.7   |
| Percentage of possible sunshine.....           | 35   | 41   | 47               | 51   | 58               | 64   | 68   | 65   | 61               | 53               | 36               | 29   | 51     |
| Number of clear days.....                      | 5    | 6    | 7                | 8    | 9                | 10   | 12   | 12   | 11               | 10               | 6                | 4    | 100    |
| Hourly wind velocity, miles.....               | 13.5 | 11.8 | 13.0             | 13.0 | 10.7             | 10.6 | 10.0 | 9.4  | 10.7             | 10.9             | 12.6             | 12.1 | 11.6   |
| <b>MINNESOTA, MINNEAPOLIS</b>                  |      |      |                  |      |                  |      |      |      |                  |                  |                  |      |        |
| Temperature:                                   |      |      |                  |      |                  |      |      |      |                  |                  |                  |      |        |
| Monthly mean.....                              | 12.7 | 15.9 | 29.6             | 46.4 | 57.7             | 67.5 | 72.3 | 69.9 | 61.4             | 48.9             | 32.4             | 19.6 | 44.5   |
| Daily mean maximum.....                        | 22.3 | 25.1 | 38.3             | 55.6 | 67.6             | 77.2 | 82.5 | 79.7 | 71.5             | 58.3             | 40.4             | 26.7 | 53.8   |
| Daily mean minimum.....                        | 5.6  | 8.4  | 21.7             | 36.7 | 47.9             | 58.4 | 63.1 | 60.3 | 52.6             | 40.8             | 25.7             | 12.1 | 36.1   |
| Highest on record.....                         | 52   | 64   | 83               | 91   | 106              | 104  | 105  | 100  | 104              | 90               | 77               | 56   | 106    |
| Lowest on record.....                          | -33  | -33  | -17              | 9    | 22               | 36   | 44   | 42   | 29               | 10               | -13              | -27  | -33    |
| Precipitation:                                 |      |      |                  |      |                  |      |      |      |                  |                  |                  |      |        |
| Total, inches.....                             | 0.86 | 0.95 | 1.42             | 2.23 | 3.67             | 4.22 | 3.73 | 3.12 | 3.13             | 2.08             | 1.27             | 0.98 | 27.06  |
| Days with 0.01 inch or more.....               | 8    | 7    | 8                | 9    | 12               | 12   | 9    | 9    | 9                | 9                | 8                | 8    | 107    |
| Total snowfall, inches.....                    | 9.6  | 7.6  | 8.0              | 3.7  | 0.3              | 0    | 0    | 0    | ( <sup>1</sup> ) | 0.5              | 4.3              | 7.5  | 41.5   |
| Percentage of possible sunshine.....           | 48   | 53   | 57               | 57   | 60               | 65   | 72   | 69   | 57               | 50               | 39               | 39   | 56     |
| Number of clear days.....                      | 8    | 9    | 9                | 8    | 8                | 8    | 10   | 11   | 11               | 10               | 7                | 8    | 108    |
| Hourly wind velocity, miles.....               | 11.3 | 11.5 | 12.1             | 12.3 | 11.7             | 10.5 | 10.0 | 10.0 | 11.0             | 11.5             | 11.4             | 11.1 | 11.2   |
| <b>MISSISSIPPI, VICKSBURG</b>                  |      |      |                  |      |                  |      |      |      |                  |                  |                  |      |        |
| Temperature:                                   |      |      |                  |      |                  |      |      |      |                  |                  |                  |      |        |
| Monthly mean.....                              | 48.2 | 51.8 | 58.5             | 65.6 | 72.9             | 79.0 | 81.3 | 80.8 | 76.3             | 66.7             | 56.6             | 50.0 | 65.6   |
| Daily mean maximum.....                        | 57.1 | 60.3 | 67.6             | 74.9 | 81.8             | 88.3 | 90.1 | 89.9 | 86.0             | 76.5             | 66.3             | 58.5 | 74.8   |
| Daily mean minimum.....                        | 40.6 | 42.8 | 49.4             | 56.4 | 63.4             | 70.2 | 72.6 | 72.0 | 67.2             | 56.9             | 47.4             | 41.8 | 55.7   |
| Highest on record.....                         | 82   | 84   | 92               | 92   | 97               | 101  | 102  | 101  | 104              | 94               | 86               | 82   | 104    |
| Lowest on record.....                          | 3    | -1   | 22               | 31   | 48               | 52   | 59   | 54   | 42               | 31               | 22               | 10   | -1     |
| Precipitation:                                 |      |      |                  |      |                  |      |      |      |                  |                  |                  |      |        |
| Total, inches.....                             | 5.87 | 4.82 | 5.57             | 5.19 | 4.32             | 3.99 | 4.53 | 3.46 | 2.87             | 2.77             | 3.71             | 5.33 | 51.93  |
| Days with 0.01 inch or more.....               | 11   | 10   | 10               | 9    | 8                | 10   | 11   | 9    | 7                | 6                | 8                | 10   | 109    |
| Total snowfall, inches.....                    | 0.8  | 0.5  | ( <sup>1</sup> ) | 0    | 0                | 0    | 0    | 0    | 0                | 0                | ( <sup>1</sup> ) | 0.3  | 1.6    |
| Percentage of possible sunshine.....           | 47   | 51   | 58               | 66   | 70               | 74   | 73   | 69   | 75               | 71               | 61               | 45   | 63     |
| Number of clear days.....                      | 9    | 9    | 11               | 11   | 12               | 12   | 10   | 11   | 14               | 17               | 13               | 10   | 139    |
| Hourly wind velocity, miles.....               | 8.1  | 8.4  | 8.7              | 8.1  | 7.1              | 6.5  | 6.2  | 6.0  | 6.4              | 6.7              | 7.4              | 7.9  | 7.3    |
| <b>MISSOURI, ST. LOUIS</b>                     |      |      |                  |      |                  |      |      |      |                  |                  |                  |      |        |
| Temperature:                                   |      |      |                  |      |                  |      |      |      |                  |                  |                  |      |        |
| Monthly mean.....                              | 31.1 | 34.8 | 44.1             | 56.1 | 67.0             | 75.0 | 78.8 | 77.5 | 70.5             | 58.8             | 45.4             | 34.9 | 56.2   |
| Daily mean maximum.....                        | 38.7 | 43.0 | 52.9             | 65.1 | 75.9             | 83.6 | 87.4 | 86.4 | 79.5             | 67.5             | 53.5             | 42.5 | 64.7   |
| Daily mean minimum.....                        | 23.4 | 26.6 | 35.3             | 47.0 | 58.2             | 66.4 | 70.2 | 68.6 | 61.5             | 50.1             | 37.3             | 27.3 | 47.7   |
| Highest on record.....                         | 74   | 84   | 92               | 93   | 96               | 102  | 110  | 108  | 103              | 91               | 82               | 75   | 110    |
| Lowest on record.....                          | -22  | -18  | 3                | 22   | 32               | 44   | 55   | 52   | 37               | 21               | 3                | -15  | -22    |
| Precipitation:                                 |      |      |                  |      |                  |      |      |      |                  |                  |                  |      |        |
| Total, inches.....                             | 2.34 | 2.56 | 3.38             | 3.81 | 4.34             | 3.82 | 2.98 | 2.99 | 3.46             | 2.72             | 2.83             | 2.21 | 37.44  |
| Days with 0.01 inch or more.....               | 9    | 9    | 11               | 11   | 11               | 11   | 9    | 8    | 8                | 8                | 8                | 9    | 112    |
| Total snowfall, inches.....                    | 4.5  | 5.2  | 3.6              | 0.5  | 0.1              | 0    | 0    | 0    | 0                | ( <sup>1</sup> ) | 0.9              | 3.2  | 18.0   |
| Percentage of possible sunshine.....           | 49   | 50   | 55               | 59   | 64               | 68   | 70   | 67   | 66               | 63               | 54               | 44   | 59     |
| Number of clear days.....                      | 11   | 9    | 10               | 10   | 11               | 10   | 13   | 14   | 15               | 15               | 11               | 9    | 138    |
| Hourly wind velocity, miles.....               | 11.8 | 11.8 | 12.5             | 11.9 | 10.9             | 10.0 | 9.2  | 8.9  | 9.7              | 10.5             | 11.7             | 11.5 | 10.9   |

<sup>1</sup> Trace.<sup>2</sup> Adjusted to elevation of 360 feet.

## No. 145.—CLIMATIC CONDITIONS, ETC.—Continued

| Station                              | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | An-<br>nual |
|--------------------------------------|------|------|------|------|------|------|------|------|-------|------|------|------|-------------|
| <b>MONTANA, HELENA</b>               |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Monthly mean                         | 20.2 | 23.0 | 32.4 | 43.5 | 51.6 | 59.2 | 65.7 | 65.0 | 56.6  | 44.9 | 33.2 | 24.2 | 43.3        |
| Daily mean maximum                   | 29.0 | 32.6 | 41.9 | 54.0 | 62.4 | 71.8 | 80.6 | 79.3 | 67.2  | 55.4 | 41.6 | 32.4 | 54.0        |
| Daily mean minimum                   | 12.6 | 15.5 | 23.4 | 33.2 | 41.0 | 48.4 | 54.4 | 53.2 | 44.1  | 35.5 | 24.7 | 17.0 | 33.6        |
| Highest on record                    | 69   | 69   | 73   | 86   | 95   | 102  | 103  | 99   | 82    | 84   | 71   | 64   | 103         |
| Lowest on record                     | -42  | -41  | -20  | -4   | 22   | 31   | 36   | 29   | 6     | -8   | -22  | -40  | -42         |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Total, inches                        | 0.87 | 0.65 | 0.79 | 1.12 | 2.29 | 2.34 | 1.14 | 0.77 | 1.25  | 0.89 | 0.74 | 0.78 | 13.63       |
| Days with 0.01 inch or more          | 9    | 8    | 9    | 8    | 11   | 12   | 8    | 6    | 7     | 7    | 8    | 8    | 100         |
| Total snowfall, inches               | 10.3 | 8.1  | 9.5  | 6.0  | 2.1  | (1)  | (1)  | (1)  | 0.9   | 4.2  | 6.8  | 8.8  | 56.7        |
| Percentage of possible sun-<br>shine | 44   | 53   | 58   | 59   | 58   | 64   | 76   | 73   | 62    | 56   | 48   | 42   | 58          |
| Number of clear days                 | 6    | 6    | 7    | 7    | 6    | 8    | 15   | 15   | 12    | 10   | 7    | 6    | 105         |
| Hourly wind velocity, miles          | 7.4  | 7.6  | 8.4  | 8.7  | 8.6  | 8.4  | 8.1  | 7.8  | 7.9   | 7.8  | 7.4  | 7.2  | 7.9         |
| <b>NEBRASKA, OMAHA</b>               |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Monthly mean                         | 21.9 | 25.5 | 37.0 | 51.2 | 62.4 | 71.6 | 76.7 | 74.4 | 66.8  | 54.3 | 38.5 | 26.4 | 50.6        |
| Daily mean maximum                   | 31.0 | 35.4 | 47.0 | 61.6 | 72.0 | 81.6 | 88.9 | 84.4 | 76.4  | 64.4 | 48.2 | 35.2 | 60.3        |
| Daily mean minimum                   | 13.7 | 17.3 | 28.0 | 41.6 | 52.7 | 62.5 | 67.5 | 65.2 | 56.4  | 44.6 | 30.3 | 19.3 | 41.6        |
| Highest on record                    | 67   | 78   | 91   | 94   | 103  | 107  | 110  | 111  | 102   | 92   | 80   | 71   | 111         |
| Lowest on record                     | -32  | -26  | -8   | 6    | 25   | 40   | 50   | 44   | 30    | 8    | -14  | -20  | -32         |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Total, inches                        | 0.70 | 0.89 | 1.37 | 2.51 | 3.77 | 4.56 | 3.54 | 3.05 | 3.21  | 2.17 | 1.07 | 0.93 | 27.77       |
| Days with 0.01 inch or more          | 6    | 6    | 7    | 10   | 12   | 11   | 9    | 9    | 9     | 7    | 5    | 7    | 98          |
| Total snowfall, inches               | 5.9  | 6.2  | 6.0  | 0.7  | (1)  | 0    | 0    | 0    | 0     | 0.5  | 2.4  | 5.1  | 26.8        |
| Percentage of possible sun-<br>shine | 56   | 60   | 59   | 60   | 63   | 69   | 76   | 69   | 65    | 63   | 55   | 51   | 62          |
| Number of clear days                 | 11   | 10   | 9    | 10   | 9    | 10   | 14   | 13   | 14    | 14   | 11   | 10   | 135         |
| Hourly wind velocity, miles          | 9.3  | 9.8  | 10.3 | 10.2 | 9.4  | 8.4  | 7.7  | 7.5  | 8.2   | 8.7  | 9.2  | 9.1  | 9.0         |
| <b>NEVADA, RENO</b>                  |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Monthly mean                         | 31.6 | 36.3 | 41.1 | 47.5 | 54.2 | 62.4 | 70.1 | 68.7 | 60.5  | 50.8 | 41.5 | 33.3 | 49.9        |
| Daily mean maximum                   | 42.8 | 47.8 | 53.0 | 61.4 | 68.4 | 78.4 | 87.9 | 83.4 | 77.3  | 68.6 | 55.2 | 44.4 | 64.2        |
| Daily mean minimum                   | 20.8 | 24.8 | 29.1 | 34.6 | 40.6 | 47.0 | 58.0 | 51.8 | 44.4  | 35.8 | 28.1 | 22.4 | 36.0        |
| Highest on record                    | 67   | 76   | 79   | 89   | 98   | 100  | 109  | 103  | 96    | 89   | 80   | 69   | 106         |
| Lowest on record                     | -19  | -12  | -8   | 14   | 16   | 28   | 35   | 35   | 24    | 16   | 6    | -7   | -19         |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Total, inches                        | 1.54 | 1.18 | 0.81 | 0.47 | 0.63 | 0.29 | 0.25 | 0.22 | 0.26  | 0.36 | 0.64 | 0.98 | 7.63        |
| Days with 0.01 inch or more          | 7    | 8    | 6    | 4    | 4    | 2    | 2    | 2    | 2     | 3    | 4    | 6    | 48          |
| Total snowfall, inches               | 10.1 | 6.1  | 5.4  | 1.3  | 0.3  | (1)  | 0    | 0    | (1)   | 0.3  | 1.5  | 4.8  | 29.8        |
| Percentage of possible sun-<br>shine | 60   | 65   | 71   | 78   | 78   | 84   | 90   | 89   | 86    | 78   | 69   | 60   | 75          |
| Number of clear days                 | 12   | 11   | 12   | 14   | 16   | 21   | 25   | 24   | 21    | 20   | 15   | 12   | 202         |
| Hourly wind velocity, miles          | 6.1  | 6.5  | 7.6  | 8.5  | 8.1  | 8.0  | 7.5  | 7.1  | 6.9   | 6.2  | 6.1  | 5.8  | 7.0         |
| <b>NEW HAMPSHIRE, CONCORD</b>        |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Monthly mean                         | 21.6 | 22.8 | 30.8 | 43.4 | 54.3 | 62.9 | 68.5 | 66.8 | 59.3  | 49.7 | 37.7 | 26.8 | 45.4        |
| Daily mean maximum                   | 31.7 | 33.5 | 41.0 | 55.8 | 68.7 | 76.8 | 81.7 | 78.0 | 70.9  | 59.9 | 46.4 | 34.6 | 56.6        |
| Daily mean minimum                   | 11.6 | 12.2 | 22.5 | 33.5 | 44.7 | 53.2 | 58.7 | 56.1 | 49.0  | 38.5 | 28.5 | 17.0 | 35.5        |
| Highest on record                    | 72   | 68   | 82   | 92   | 98   | 101  | 102  | 99   | 96    | 92   | 80   | 65   | 102         |
| Lowest on record                     | -35  | -34  | -16  | 7    | 22   | 32   | 38   | 35   | 25    | 17   | -17  | -24  | -35         |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Total, inches                        | 3.00 | 2.89 | 3.03 | 2.78 | 3.01 | 3.19 | 3.56 | 3.54 | 3.45  | 2.85 | 3.08 | 3.13 | 37.61       |
| Days with 0.01 inch or more          | 11   | 9    | 10   | 10   | 11   | 10   | 10   | 11   | 10    | 9    | 10   | 9    | 120         |
| Total snowfall, inches               | 12.2 | 17.5 | 8.7  | 5.3  | 0.1  | (1)  | 0    | 0    | (1)   | 0.1  | 4.0  | 10.5 | 62.4        |
| Percentage of possible sun-<br>shine | 49   | 55   | 59   | 54   | 55   | 58   | 57   | 57   | 55    | 50   | 44   | 44   | 53          |
| Number of clear days                 | 12   | 12   | 14   | 12   | 13   | 13   | 12   | 13   | 13    | 12   | 9    | 11   | 146         |
| Hourly wind velocity, miles          | 6.6  | 6.9  | 7.4  | 7.6  | 6.6  | 5.9  | 5.4  | 5.1  | 5.2   | 6.0  | 6.4  | 6.3  | 6.3         |
| <b>NEW JERSEY, ATLANTIC CITY</b>     |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Monthly mean                         | 32.5 | 33.6 | 38.6 | 47.8 | 58.1 | 66.6 | 72.1 | 72.5 | 66.8  | 56.9 | 45.6 | 36.4 | 52.3        |
| Daily mean maximum                   | 40.6 | 40.1 | 46.1 | 54.7 | 64.6 | 73.5 | 78.6 | 78.0 | 73.5  | 63.8 | 52.9 | 43.5 | 59.2        |
| Daily mean minimum                   | 26.8 | 26.4 | 32.8 | 41.3 | 51.6 | 60.9 | 66.5 | 66.3 | 61.4  | 50.0 | 39.0 | 29.8 | 46.1        |
| Highest on record                    | 68   | 77   | 79   | 86   | 95   | 97   | 102  | 104  | 94    | 80   | 77   | 68   | 104         |
| Lowest on record                     | -4   | -9   | 8    | 15   | 33   | 45   | 52   | 48   | 37    | 29   | 10   | -7   | -9          |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Total, inches                        | 3.49 | 3.36 | 3.60 | 2.99 | 3.05 | 3.04 | 3.93 | 4.49 | 2.65  | 3.20 | 2.82 | 3.04 | 40.56       |
| Days with 0.01 inch or more          | 12   | 11   | 12   | 11   | 11   | 10   | 10   | 10   | 8     | 9    | 9    | 10   | 123         |
| Total snowfall, inches               | 4.4  | 5.2  | 2.4  | 0.3  | 0    | 0    | 0    | 0    | 0     | 0    | 0.6  | 2.9  | 15.8        |
| Percentage of possible sun-<br>shine | 53   | 57   | 57   | 60   | 62   | 64   | 66   | 65   | 65    | 64   | 56   | 51   | 60          |
| Number of clear days                 | 9    | 9    | 10   | 10   | 10   | 10   | 10   | 11   | 12    | 14   | 11   | 10   | 124         |
| Hourly wind velocity, miles          | 16.1 | 15.4 | 16.6 | 16.5 | 14.6 | 13.8 | 13.3 | 13.0 | 13.6  | 14.3 | 15.2 | 14.9 | 14.8        |

1 Trace.

## No. 145.—CLIMATIC CONDITIONS, ETC.—Continued

| Station                              | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | An-<br>nual |
|--------------------------------------|------|------|------|------|------|------|------|------|-------|------|------|------|-------------|
| <b>NEW MEXICO, SANTA FE</b>          |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Monthly mean                         | 28.8 | 33.1 | 39.7 | 46.7 | 55.7 | 64.8 | 69.0 | 67.4 | 60.9  | 50.4 | 38.9 | 30.7 | 48.8        |
| Daily mean maximum                   | 39.5 | 43.5 | 51.1 | 58.0 | 68.0 | 78.2 | 80.2 | 79.0 | 73.0  | 62.1 | 49.9 | 40.5 | 60.3        |
| Daily mean minimum                   | 18.9 | 23.2 | 28.1 | 34.9 | 43.4 | 52.1 | 56.7 | 55.9 | 49.2  | 38.7 | 28.0 | 20.6 | 37.5        |
| Highest on record                    | 76   | 75   | 82   | 84   | 89   | 92   | 96   | 97   | 90    | 85   | 77   | 65   | 97          |
| Lowest on record                     | -13  | -11  | -2   | 11   | 20   | 28   | 43   | 40   | 21    | 13   | -11  | -13  | -13         |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Total, inches                        | 0.67 | 0.75 | 0.80 | 1.00 | 1.26 | 1.08 | 2.38 | 2.28 | 1.45  | 1.18 | 0.68 | 0.74 | 14.27       |
| Days with 0.01 inch or more          | 6    | 6    | 7    | 9    | 7    | 6    | 13   | 13   | 8     | 5    | 4    | 6    | 87          |
| Total snowfall, inches               | 6.1  | 6.5  | 5.0  | 3.6  | 0.5  | (1)  | 0    | 0    | (1)   | 1.1  | 3.7  | 5.9  | 32.4        |
| Percentage of possible sun-<br>shine | 72   | 69   | 71   | 71   | 75   | 80   | 69   | 71   | 77    | 80   | 76   | 73   | 71          |
| Number of clear days                 | 17   | 13   | 14   | 13   | 14   | 16   | 9    | 10   | 16    | 20   | 18   | 18   | 178         |
| Hourly wind velocity, miles          | 6.9  | 7.3  | 8.1  | 8.3  | 8.2  | 7.4  | 6.4  | 6.9  | 6.1   | 6.5  | 6.8  | 6.9  | 7.1         |
| <b>NEW YORK, BUFFALO</b>             |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Monthly mean                         | 24.6 | 24.3 | 31.1 | 42.8 | 54.6 | 64.4 | 69.8 | 68.6 | 62.4  | 51.9 | 39.4 | 29.8 | 47.0        |
| Daily mean maximum                   | 31.0 | 30.8 | 38.7 | 50.1 | 61.7 | 70.3 | 78.5 | 76.5 | 69.9  | 58.3 | 45.6 | 35.2 | 53.7        |
| Daily mean minimum                   | 18.9 | 17.2 | 24.9 | 34.8 | 46.2 | 57.2 | 63.1 | 61.4 | 55.5  | 44.7 | 33.8 | 24.0 | 40.1        |
| Highest on record                    | 70   | 68   | 79   | 84   | 94   | 97   | 95   | 96   | 95    | 92   | 72   | 66   | 97          |
| Lowest on record                     | -14  | -20  | -4   | 6    | 25   | 39   | 46   | 44   | 35    | 24   | 2    | -9   | -20         |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Total, inches                        | 3.30 | 2.95 | 2.87 | 2.56 | 3.10 | 2.82 | 3.03 | 3.08 | 2.92  | 3.29 | 3.02 | 3.36 | 36.00       |
| Days with 0.01 inch or more          | 19   | 17   | 15   | 13   | 12   | 11   | 10   | 10   | 11    | 12   | 15   | 18   | 164         |
| Total snowfall, inches               | 18.9 | 17.1 | 9.9  | 3.3  | 0.2  | 0    | 0    | 0    | (1)   | 0.5  | 5.8  | 17.1 | 72.8        |
| Percentage of possible sun-<br>shine | 29   | 41   | 48   | 58   | 59   | 66   | 68   | 64   | 59    | 48   | 32   | 24   | 49          |
| Number of clear days                 | 2    | 5    | 5    | 7    | 9    | 9    | 10   | 9    | 9     | 7    | 3    | 1    | 74          |
| Hourly wind velocity, miles          | 17.7 | 16.5 | 15.8 | 14.5 | 13.1 | 12.3 | 12.0 | 11.7 | 12.8  | 14.3 | 16.7 | 17.3 | 14.6        |
| <b>NEW YORK, NEW YORK</b>            |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Monthly mean                         | 30.9 | 31.3 | 37.7 | 49.4 | 60.6 | 68.8 | 73.8 | 73.1 | 66.8  | 56.3 | 44.2 | 35.0 | 52.3        |
| Daily mean maximum                   | 37.4 | 38.4 | 45.4 | 57.2 | 68.5 | 77.0 | 81.7 | 80.1 | 73.7  | 63.7 | 51.0 | 41.2 | 59.6        |
| Daily mean minimum                   | 24.5 | 24.2 | 30.2 | 41.6 | 52.6 | 60.5 | 65.9 | 66.2 | 59.8  | 49.0 | 37.3 | 28.8 | 45.0        |
| Highest on record                    | 68   | 73   | 80   | 91   | 96   | 97   | 100  | 102  | 100   | 88   | 74   | 68   | 102         |
| Lowest on record                     | -6   | -14  | 3    | 12   | 34   | 44   | 54   | 51   | 39    | 29   | 7    | -13  | -14         |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Total, inches                        | 3.66 | 3.82 | 3.64 | 3.23 | 3.24 | 3.33 | 4.24 | 4.38 | 3.39  | 3.53 | 2.96 | 3.62 | 42.99       |
| Days with 0.01 inch or more          | 12   | 11   | 12   | 11   | 11   | 10   | 11   | 10   | 9     | 9    | 9    | 11   | 126         |
| Total snowfall, inches               | 7.8  | 10.0 | 6.1  | 1.1  | (1)  | 0    | 0    | 0    | 0     | (1)  | 0.8  | 6.2  | 32.0        |
| Percentage of possible sun-<br>shine | 52   | 59   | 59   | 60   | 61   | 64   | 65   | 63   | 63    | 62   | 53   | 51   | 60          |
| Number of clear days                 | 8    | 8    | 8    | 8    | 9    | 8    | 8    | 9    | 10    | 11   | 9    | 8    | 104         |
| Hourly wind velocity, miles          | 17.4 | 17.1 | 17.9 | 16.6 | 14.3 | 13.5 | 12.6 | 12.4 | 13.0  | 14.7 | 16.3 | 16.7 | 15.2        |
| <b>NORTH CAROLINA, ASHEVILLE</b>     |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Monthly mean                         | 35.4 | 38.5 | 44.9 | 54.5 | 62.6 | 68.7 | 71.7 | 70.6 | 65.0  | 55.3 | 45.1 | 37.8 | 54.1        |
| Daily mean maximum                   | 48.1 | 49.2 | 57.1 | 65.4 | 73.5 | 80.0 | 82.7 | 81.4 | 77.4  | 67.4 | 55.3 | 45.3 | 65.6        |
| Daily mean minimum                   | 29.5 | 29.7 | 36.5 | 43.6 | 51.7 | 58.2 | 62.7 | 62.0 | 55.9  | 44.8 | 35.8 | 30.0 | 45.2        |
| Highest on record                    | 77   | 80   | 87   | 89   | 91   | 97   | 97   | 96   | 95    | 85   | 76   | 78   | 97          |
| Lowest on record                     | -5   | -6   | 8    | 20   | 31   | 40   | 46   | 47   | 35    | 20   | 4    | -4   | -6          |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Total, inches                        | 3.10 | 3.15 | 3.97 | 3.02 | 3.43 | 3.93 | 4.30 | 4.16 | 3.04  | 2.75 | 2.23 | 3.20 | 40.28       |
| Days with 0.01 inch or more          | 10   | 10   | 11   | 11   | 12   | 13   | 15   | 14   | 10    | 7    | 7    | 10   | 131         |
| Total snowfall, inches               | 2.9  | 2.5  | 1.8  | 0.4  | (1)  | 0    | 0    | 0    | 0     | 0.1  | 0.4  | 1.9  | 10.0        |
| Percentage of possible sun-<br>shine | 49   | 53   | 55   | 59   | 61   | 60   | 53   | 56   | 60    | 64   | 60   | 48   | 57          |
| Number of clear days                 | 10   | 10   | 11   | 11   | 10   | 8    | 7    | 7    | 10    | 15   | 13   | 11   | 123         |
| Hourly wind velocity, miles          | 9.5  | 9.9  | 10.2 | 9.3  | 7.3  | 5.9  | 5.4  | 5.4  | 5.8   | 7.0  | 8.5  | 9.2  | 7.8         |
| <b>NORTH DAKOTA, BISMARCK</b>        |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Monthly mean                         | 7.8  | 10.3 | 24.2 | 42.1 | 54.5 | 63.7 | 69.8 | 67.3 | 58.1  | 44.9 | 28.5 | 14.7 | 40.5        |
| Daily mean maximum                   | 18.9 | 22.4 | 35.1 | 54.6 | 66.3 | 75.4 | 82.6 | 80.8 | 70.7  | 57.0 | 38.5 | 24.9 | 62.2        |
| Daily mean minimum                   | -2.1 | 1.8  | 14.6 | 31.6 | 42.5 | 52.7 | 57.6 | 54.9 | 45.0  | 33.0 | 18.0 | 5.4  | 29.6        |
| Highest on record                    | 60   | 65   | 81   | 90   | 102  | 107  | 108  | 106  | 106   | 91   | 74   | 64   | 108         |
| Lowest on record                     | -45  | -43  | -36  | -3   | 13   | 31   | 32   | 32   | 10    | -10  | -28  | -42  | -45         |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |             |
| Total, inches                        | 0.45 | 0.44 | 0.89 | 1.52 | 2.32 | 3.35 | 2.24 | 1.82 | 1.23  | 0.94 | 0.67 | 0.57 | 16.34       |
| Days with 0.01 inch or more          | 7    | 7    | 7    | 8    | 10   | 12   | 9    | 8    | 7     | 6    | 6    | 7    | 94          |
| Total snowfall, inches               | 5.5  | 5.0  | 7.5  | 2.9  | 0.8  | (1)  | 0    | 0    | 0.1   | 1.1  | 4.9  | 6.1  | 33.9        |
| Percentage of possible sun-<br>shine | 52   | 59   | 55   | 58   | 58   | 62   | 72   | 68   | 62    | 58   | 50   | 48   | 58          |
| Number of clear days                 | 11   | 11   | 11   | 12   | 12   | 12   | 16   | 16   | 14    | 13   | 11   | 11   | 150         |
| Hourly wind velocity, miles          | 9.0  | 9.4  | 10.4 | 11.3 | 10.8 | 10.1 | 9.1  | 9.0  | 9.7   | 9.7  | 9.3  | 8.9  | 9.7         |

1 Trace.

72816°—36—11

## No. 145.—CLIMATIC CONDITIONS, ETC.—Continued

| Station                              | Jan. | Feb. | Mar. | Apr.             | May              | June | July | Aug. | Sept. | Oct.             | Nov. | Dec. | Annual |
|--------------------------------------|------|------|------|------------------|------------------|------|------|------|-------|------------------|------|------|--------|
| <b>OHIO, COLUMBUS</b>                |      |      |      |                  |                  |      |      |      |       |                  |      |      |        |
| Temperature:                         |      |      |      |                  |                  |      |      |      |       |                  |      |      |        |
| Monthly mean.....                    | 28.6 | 30.7 | 39.1 | 51.2             | 62.3             | 70.9 | 74.9 | 73.0 | 68.5  | 55.2             | 41.9 | 32.4 | 52.2   |
| Daily mean maximum.....              | 36.9 | 38.4 | 48.4 | 60.6             | 71.9             | 80.8 | 85.2 | 82.6 | 76.9  | 64.5             | 50.0 | 39.3 | 61.3   |
| Daily mean minimum.....              | 22.3 | 23.1 | 31.3 | 41.5             | 52.0             | 61.0 | 65.2 | 63.0 | 56.9  | 45.4             | 34.6 | 26.7 | 43.5   |
| Highest on record.....               | 72   | 72   | 84   | 90               | 96               | 99   | 106  | 108  | 99    | 90               | 78   | 67   | 108    |
| Lowest on record.....                | -20  | -20  | 0    | 15               | 31               | 39   | 49   | 42   | 32    | 20               | -5   | -12  | -20    |
| Precipitation:                       |      |      |      |                  |                  |      |      |      |       |                  |      |      |        |
| Total, inches.....                   | 3.06 | 2.67 | 3.50 | 2.87             | 3.59             | 3.31 | 3.55 | 3.26 | 2.57  | 2.46             | 2.77 | 2.73 | 36.34  |
| Days with 0.01 inch or more.....     | 14   | 12   | 14   | 12               | 12               | 12   | 11   | 10   | 9     | 9                | 11   | 13   | 139    |
| Total snowfall, inches.....          | 7.2  | 5.6  | 3.4  | 1.0              | ( <sup>1</sup> ) | 0    | 0    | 0    | 0     | 0.1              | 1.6  | 4.4  | 23.3   |
| Percentage of possible sunshine..... | 38   | 44   | 47   | 56               | 62               | 69   | 72   | 68   | 66    | 59               | 45   | 34   | 55     |
| Number of clear days.....            | 6    | 6    | 7    | 9                | 9                | 10   | 12   | 12   | 12    | 12               | 7    | 5    | 107    |
| Hourly wind velocity, miles.....     | 11.8 | 11.9 | 12.4 | 11.8             | 10.3             | 9.2  | 8.5  | 8.2  | 8.9   | 9.9              | 11.3 | 11.2 | 10.4   |
| <b>OKLAHOMA, OKLAHOMA CITY</b>       |      |      |      |                  |                  |      |      |      |       |                  |      |      |        |
| Temperature:                         |      |      |      |                  |                  |      |      |      |       |                  |      |      |        |
| Monthly mean.....                    | 36.4 | 39.6 | 50.0 | 59.8             | 67.7             | 76.0 | 80.6 | 79.7 | 72.8  | 61.5             | 48.8 | 39.3 | 59.4   |
| Daily mean maximum.....              | 47.5 | 51.0 | 61.4 | 70.8             | 77.4             | 85.8 | 91.4 | 91.6 | 84.7  | 73.1             | 60.1 | 48.8 | 70.4   |
| Daily mean minimum.....              | 27.7 | 29.6 | 38.6 | 49.0             | 57.8             | 66.7 | 70.5 | 69.7 | 63.0  | 51.1             | 39.2 | 29.8 | 49.4   |
| Highest on record.....               | 83   | 90   | 97   | 96               | 98               | 108  | 107  | 108  | 103   | 97               | 86   | 79   | 108    |
| Lowest on record.....                | -11  | -17  | 4    | 22               | 33               | 46   | 56   | 49   | 35    | 16               | 9    | -2   | -17    |
| Precipitation:                       |      |      |      |                  |                  |      |      |      |       |                  |      |      |        |
| Total, inches.....                   | 1.19 | 1.11 | 1.98 | 3.29             | 4.88             | 3.87 | 2.86 | 2.89 | 3.05  | 2.88             | 1.87 | 1.50 | 31.15  |
| Days with 0.01 inch or more.....     | 6    | 5    | 7    | 8                | 10               | 8    | 6    | 7    | 7     | 6                | 6    | 6    | 82     |
| Total snowfall, inches.....          | 2.4  | 1.9  | 1.2  | ( <sup>1</sup> ) | 0                | 0    | 0    | 0    | 0     | ( <sup>1</sup> ) | 0.3  | 1.8  | 7.6    |
| Percentage of possible sunshine..... | 57   | 60   | 61   | 63               | 64               | 73   | 77   | 77   | 73    | 67               | 63   | 59   | 66     |
| Number of clear days.....            | 13   | 12   | 12   | 12               | 11               | 14   | 16   | 17   | 16    | 17               | 15   | 14   | 196    |
| Hourly wind velocity, miles.....     | 11.7 | 12.7 | 13.9 | 13.7             | 12.2             | 11.0 | 9.6  | 9.2  | 10.3  | 10.8             | 11.6 | 11.5 | 11.5   |
| <b>OREGON, PORTLAND</b>              |      |      |      |                  |                  |      |      |      |       |                  |      |      |        |
| Temperature:                         |      |      |      |                  |                  |      |      |      |       |                  |      |      |        |
| Monthly mean.....                    | 39.4 | 42.1 | 46.9 | 51.8             | 56.9             | 62.4 | 66.7 | 65.7 | 61.7  | 54.2             | 46.8 | 41.2 | 53.1   |
| Daily mean maximum.....              | 44.3 | 48.5 | 54.8 | 61.2             | 66.9             | 72.2 | 78.2 | 80.0 | 71.6  | 62.6             | 52.2 | 46.1 | 61.6   |
| Daily mean minimum.....              | 34.3 | 36.5 | 39.9 | 43.2             | 49.0             | 52.5 | 56.3 | 56.2 | 52.2  | 47.0             | 40.7 | 36.7 | 45.3   |
| Highest on record.....               | 65   | 69   | 83   | 93               | 99               | 101  | 105  | 102  | 97    | 88               | 73   | 65   | 105    |
| Lowest on record.....                | -2   | 7    | 20   | 28               | 32               | 39   | 48   | 43   | 35    | 29               | 11   | 3    | -2     |
| Precipitation:                       |      |      |      |                  |                  |      |      |      |       |                  |      |      |        |
| Total, inches.....                   | 6.60 | 5.36 | 3.91 | 2.87             | 2.19             | 1.52 | 0.61 | 0.64 | 1.98  | 3.12             | 6.10 | 6.72 | 41.62  |
| Days with 0.01 inch or more.....     | 20   | 17   | 17   | 15               | 13               | 10   | 8    | 4    | 8     | 12               | 17   | 19   | 155    |
| Total snowfall, inches.....          | 5.9  | 3.2  | 0.6  | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 0    | 0    | 0    | 0     | ( <sup>1</sup> ) | 0.5  | 3.3  | 13.5   |
| Percentage of possible sunshine..... | 25   | 33   | 40   | 49               | 51               | 57   | 71   | 67   | 53    | 43               | 27   | 23   | 45     |
| Number of clear days.....            | 4    | 4    | 5    | 7                | 7                | 8    | 18   | 16   | 11    | 7                | 4    | 4    | 93     |
| Hourly wind velocity, miles.....     | 7.4  | 7.5  | 7.4  | 7.1              | 5.9              | 5.8  | 6.9  | 6.4  | 6.4   | 6.1              | 7.0  | 7.5  | 7.0    |
| <b>PENNSYLVANIA, PITTSBURGH</b>      |      |      |      |                  |                  |      |      |      |       |                  |      |      |        |
| Temperature:                         |      |      |      |                  |                  |      |      |      |       |                  |      |      |        |
| Monthly mean.....                    | 30.7 | 32.8 | 39.6 | 51.2             | 62.4             | 70.7 | 74.6 | 72.9 | 66.4  | 55.7             | 43.2 | 34.2 | 52.8   |
| Daily mean maximum.....              | 38.9 | 39.7 | 48.7 | 60.6             | 72.1             | 80.2 | 84.2 | 82.0 | 76.5  | 64.4             | 50.7 | 40.9 | 61.6   |
| Daily mean minimum.....              | 23.8 | 23.6 | 31.3 | 41.2             | 51.9             | 60.6 | 64.9 | 62.9 | 57.3  | 45.7             | 35.8 | 27.2 | 43.8   |
| Highest on record.....               | 75   | 77   | 84   | 90               | 95               | 98   | 103  | 103  | 102   | 91               | 79   | 73   | 103    |
| Lowest on record.....                | -12  | -20  | 1    | 11               | 27               | 39   | 49   | 45   | 35    | 20               | 1    | -9   | -20    |
| Precipitation:                       |      |      |      |                  |                  |      |      |      |       |                  |      |      |        |
| Total, inches.....                   | 3.05 | 2.62 | 3.08 | 2.92             | 3.21             | 3.81 | 4.05 | 3.23 | 2.58  | 2.52             | 2.29 | 2.86 | 36.17  |
| Days with 0.01 inch or more.....     | 15   | 14   | 15   | 13               | 13               | 12   | 12   | 10   | 9     | 10               | 12   | 15   | 150    |
| Total snowfall, inches.....          | 8.4  | 7.7  | 5.7  | 2.0              | ( <sup>1</sup> ) | 0    | 0    | 0    | 0     | 0.2              | 1.7  | 6.6  | 32.3   |
| Percentage of possible sunshine..... | 32   | 37   | 45   | 49               | 55               | 63   | 65   | 62   | 62    | 55               | 40   | 29   | 50     |
| Number of clear days.....            | 4    | 4    | 6    | 7                | 8                | 8    | 9    | 10   | 10    | 10               | 5    | 4    | 86     |
| Hourly wind velocity, miles.....     | 11.7 | 11.7 | 12.0 | 11.4             | 10.0             | 9.4  | 8.9  | 8.6  | 8.9   | 9.8              | 11.2 | 11.5 | 10.4   |
| <b>RHODE ISLAND, PROVIDENCE</b>      |      |      |      |                  |                  |      |      |      |       |                  |      |      |        |
| Temperature:                         |      |      |      |                  |                  |      |      |      |       |                  |      |      |        |
| Monthly mean.....                    | 27.2 | 29.0 | 35.7 | 48.6             | 58.5             | 68.3 | 73.4 | 71.0 | 63.2  | 52.2             | 40.4 | 31.6 | 49.8   |
| Daily mean maximum.....              | 37.3 | 36.0 | 45.2 | 55.8             | 67.0             | 75.7 | 81.0 | 78.7 | 72.5  | 62.3             | 50.1 | 39.2 | 58.4   |
| Daily mean minimum.....              | 21.9 | 20.1 | 28.9 | 37.9             | 48.1             | 56.8 | 63.1 | 61.2 | 54.8  | 44.7             | 35.1 | 25.2 | 41.5   |
| Highest on record.....               | 68   | 69   | 84   | 88               | 94               | 96   | 100  | 97   | 95    | 87               | 75   | 68   | 100    |
| Lowest on record.....                | -9   | -17  | 4    | 11               | 32               | 41   | 50   | 46   | 33    | 27               | 9    | -12  | -17    |
| Precipitation:                       |      |      |      |                  |                  |      |      |      |       |                  |      |      |        |
| Total, inches.....                   | 8.34 | 2.94 | 3.22 | 3.28             | 2.92             | 2.95 | 3.26 | 3.56 | 3.27  | 2.83             | 2.82 | 3.24 | 37.63  |
| Days with 0.01 inch or more.....     | 12   | 11   | 12   | 11               | 12               | 10   | 10   | 10   | 9     | 9                | 10   | 11   | 127    |
| Total snowfall, inches.....          | 8.3  | 10.2 | 5.3  | 1.3              | ( <sup>1</sup> ) | 0    | 0    | 0    | 0     | ( <sup>1</sup> ) | 0.9  | 5.3  | 31.8   |
| Percentage of possible sunshine..... | 50   | 57   | 60   | 59               | 61               | 64   | 64   | 63   | 60    | 62               | 52   | 50   | 58     |
| Number of clear days.....            | 10   | 11   | 12   | 10               | 11               | 10   | 11   | 12   | 12    | 14               | 11   | 11   | 135    |
| Hourly wind velocity, miles.....     | 12.8 | 12.9 | 13.4 | 12.9             | 11.5             | 10.7 | 9.7  | 9.5  | 10.2  | 11.4             | 12.0 | 12.5 | 11.6   |

<sup>1</sup> Trace.

## No. 145.—CLIMATIC CONDITIONS, ETC.—Continued

| Station                              | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|--------------------------------------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| <b>SOUTH CAROLINA, CHARLESTON</b>    |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 49.9 | 52.4 | 57.4 | 64.5 | 72.7 | 78.9 | 81.4 | 81.0 | 76.6  | 67.8 | 58.1 | 51.7 | 66.0   |
| Daily mean maximum.....              | 58.3 | 59.7 | 65.5 | 72.1 | 79.7 | 85.5 | 87.9 | 87.2 | 83.1  | 74.7 | 66.0 | 59.8 | 73.2   |
| Daily mean minimum.....              | 43.0 | 44.5 | 50.1 | 57.3 | 65.8 | 72.4 | 75.1 | 74.6 | 70.9  | 60.8 | 50.8 | 44.2 | 59.1   |
| Highest on record.....               | 80   | 82   | 94   | 93   | 98   | 101  | 104  | 102  | 100   | 95   | 83   | 81   | 104    |
| Lowest on record.....                | 10   | 7    | 24   | 32   | 45   | 49   | 61   | 62   | 49    | 37   | 23   | 12   | 7      |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 3.02 | 2.98 | 3.02 | 2.53 | 3.00 | 4.59 | 6.89 | 6.53 | 4.53  | 3.27 | 2.14 | 2.72 | 45.22  |
| Days with 0.01 inch or more.....     | 9    | 9    | 8    | 7    | 8    | 11   | 13   | 13   | 10    | 7    | 7    | 9    | 112    |
| Total snowfall, inches.....          | (1)  | 0.2  | (1)  | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0    | 0.1  | 0.3    |
| Percentage of possible sunshine..... | 59   | 59   | 65   | 72   | 72   | 69   | 65   | 65   | 68    | 68   | 68   | 55   | 66     |
| Number of clear days.....            | 10   | 10   | 12   | 13   | 12   | 8    | 7    | 8    | 10    | 14   | 13   | 11   | 128    |
| Hourly wind velocity, miles.....     | 10.5 | 11.1 | 11.6 | 11.4 | 10.8 | 10.2 | 9.6  | 9.2  | 10.4  | 10.9 | 10.0 | 10.3 | 10.5   |
| <b>SOUTH DAKOTA, HURON</b>           |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 11.3 | 14.3 | 28.9 | 45.1 | 56.4 | 66.2 | 71.8 | 69.4 | 61.3  | 47.7 | 31.5 | 18.7 | 43.6   |
| Daily mean maximum.....              | 23.2 | 26.7 | 40.4 | 58.1 | 68.8 | 78.7 | 84.8 | 83.0 | 74.3  | 60.7 | 42.6 | 29.0 | 55.9   |
| Daily mean minimum.....              | 2.0  | 5.6  | 19.4 | 34.1 | 44.6 | 55.3 | 60.0 | 57.5 | 48.1  | 35.5 | 20.8 | 8.9  | 32.6   |
| Highest on record.....               | 64   | 70   | 85   | 94   | 106  | 108  | 111  | 110  | 109   | 94   | 79   | 65   | 111    |
| Lowest on record.....                | -43  | -37  | -25  | 5    | 20   | 31   | 41   | 33   | 18    | -6   | -28  | -34  | -43    |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 0.56 | 0.54 | 0.91 | 2.24 | 2.98 | 3.79 | 3.16 | 2.46 | 1.57  | 1.28 | 0.69 | 0.57 | 20.66  |
| Days with 0.01 inch or more.....     | 7    | 6    | 8    | 9    | 11   | 11   | 9    | 9    | 7     | 6    | 5    | 6    | 94     |
| Total snowfall, inches.....          | 5.6  | 4.6  | 5.6  | 1.9  | 0.1  | 0    | 0    | 0    | (1)   | 0.6  | 3.2  | 5.0  | 26.6   |
| Percentage of possible sunshine..... | 37   | 64   | 63   | 63   | 66   | 70   | 75   | 71   | 55    | 60   | 53   | 50   | 63     |
| Number of clear days.....            | 11   | 10   | 10   | 10   | 11   | 11   | 14   | 14   | 13    | 13   | 11   | 10   | 138    |
| Hourly wind velocity, miles.....     | 10.7 | 10.9 | 11.8 | 12.8 | 11.8 | 10.6 | 9.6  | 9.0  | 10.8  | 10.9 | 10.5 | 10.1 | 10.8   |
| <b>TENNESSEE, NASHVILLE</b>          |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 38.6 | 41.6 | 49.2 | 59.0 | 68.2 | 75.0 | 79.1 | 77.8 | 71.8  | 61.0 | 49.0 | 41.0 | 59.8   |
| Daily mean maximum.....              | 47.5 | 50.2 | 58.9 | 69.0 | 77.9 | 85.6 | 88.7 | 87.5 | 82.2  | 71.4 | 58.3 | 49.2 | 68.9   |
| Daily mean minimum.....              | 31.2 | 32.9 | 40.3 | 49.6 | 58.3 | 66.6 | 70.1 | 68.6 | 62.2  | 50.3 | 40.0 | 33.2 | 50.3   |
| Highest on record.....               | 78   | 79   | 89   | 90   | 96   | 100  | 106  | 105  | 104   | 92   | 81   | 75   | 106    |
| Lowest on record.....                | -10  | -13  | 3    | 25   | 36   | 42   | 54   | 51   | 38    | 26   | 8    | -2   | -13    |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 4.76 | 4.13 | 5.11 | 4.13 | 3.87 | 4.00 | 3.88 | 3.71 | 3.42  | 2.49 | 3.60 | 4.20 | 47.20  |
| Days with 0.01 inch or more.....     | 12   | 11   | 12   | 11   | 11   | 11   | 11   | 9    | 8     | 7    | 9    | 11   | 123    |
| Total snowfall, inches.....          | 2.3  | 2.7  | 1.4  | 0.1  | (1)  | 0    | 0    | 0    | 0     | (1)  | 0.2  | 1.6  | 8.2    |
| Percentage of possible sunshine..... | 43   | 47   | 52   | 59   | 64   | 67   | 69   | 67   | 67    | 64   | 54   | 41   | 58     |
| Number of clear days.....            | 8    | 7    | 9    | 9    | 10   | 9    | 10   | 12   | 13    | 15   | 11   | 8    | 121    |
| Hourly wind velocity, miles.....     | 10.2 | 10.4 | 11.0 | 10.5 | 9.1  | 8.0  | 7.6  | 7.3  | 7.8   | 8.4  | 9.4  | 9.8  | 9.1    |
| <b>TEXAS, FORT WORTH</b>             |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 45.4 | 48.3 | 57.7 | 65.0 | 72.3 | 79.9 | 83.6 | 83.0 | 76.9  | 66.7 | 55.5 | 47.5 | 65.2   |
| Daily mean maximum.....              | 56.9 | 59.4 | 68.5 | 75.3 | 81.9 | 90.9 | 93.8 | 94.5 | 87.8  | 78.2 | 66.8 | 56.9 | 75.9   |
| Daily mean minimum.....              | 36.4 | 38.1 | 46.5 | 54.4 | 62.5 | 70.9 | 73.8 | 73.9 | 67.8  | 56.8 | 46.4 | 37.4 | 55.4   |
| Highest on record.....               | 93   | 96   | 100  | 100  | 107  | 107  | 109  | 112  | 104   | 99   | 87   | 83   | 112    |
| Lowest on record.....                | -1   | -8   | 15   | 30   | 34   | 48   | 56   | 55   | 40    | 24   | 20   | 7    | -8     |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 2.06 | 1.76 | 2.32 | 4.02 | 4.65 | 3.35 | 2.61 | 2.62 | 2.49  | 2.61 | 2.58 | 1.87 | 33.13  |
| Days with 0.01 inch or more.....     | 6    | 7    | 7    | 9    | 9    | 6    | 5    | 5    | 5     | 6    | 6    | 6    | 75     |
| Total snowfall, inches.....          | 0.8  | 0.6  | 0.3  | (1)  | 0    | 0    | 0    | 0    | 0     | (1)  | 0.1  | 0.6  | 2.4    |
| Percentage of possible sunshine..... | 59   | 60   | 63   | 68   | 71   | 78   | 81   | 81   | 76    | 72   | 64   | 60   | 70     |
| Number of clear days.....            | 12   | 11   | 13   | 11   | 11   | 13   | 15   | 15   | 16    | 16   | 14   | 13   | 160    |
| Hourly wind velocity, miles.....     | 10.3 | 10.1 | 11.6 | 11.5 | 10.7 | 10.4 | 9.6  | 9.2  | 9.1   | 9.3  | 9.8  | 9.8  | 10.1   |
| <b>TEXAS, GALVESTON</b>              |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 53.8 | 56.3 | 62.4 | 68.7 | 74.8 | 80.7 | 83.4 | 83.0 | 80.1  | 72.7 | 63.3 | 56.4 | 69.6   |
| Daily mean maximum.....              | 59.5 | 61.9 | 67.4 | 73.7 | 80.0 | 85.7 | 87.8 | 87.9 | 84.8  | 77.8 | 68.6 | 61.9 | 74.7   |
| Daily mean minimum.....              | 48.6 | 51.1 | 57.2 | 64.5 | 71.0 | 76.8 | 78.6 | 78.5 | 75.4  | 67.9 | 58.1 | 51.0 | 64.9   |
| Highest on record.....               | 78   | 83   | 85   | 86   | 93   | 99   | 101  | 100  | 96    | 91   | 85   | 80   | 101    |
| Lowest on record.....                | 11   | 8    | 30   | 41   | 52   | 57   | 66   | 67   | 54    | 41   | 26   | 18   | 8      |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 3.41 | 2.83 | 2.68 | 3.06 | 3.42 | 4.37 | 3.71 | 4.28 | 5.57  | 4.38 | 3.33 | 3.75 | 44.77  |
| Days with 0.01 inch or more.....     | 10   | 9    | 8    | 7    | 6    | 7    | 9    | 9    | 9     | 7    | 8    | 10   | 99     |
| Total snowfall, inches.....          | (1)  | 0.3  | (1)  | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0    | (1)  | 0.3    |
| Percentage of possible sunshine..... | 51   | 52   | 56   | 62   | 69   | 77   | 73   | 71   | 70    | 74   | 62   | 50   | 64     |
| Number of clear days.....            | 10   | 9    | 10   | 11   | 12   | 15   | 14   | 15   | 15    | 18   | 13   | 10   | 162    |
| Hourly wind velocity, miles.....     | 11.2 | 11.4 | 11.5 | 11.7 | 11.1 | 10.3 | 9.4  | 9.1  | 9.9   | 10.2 | 10.8 | 11.1 | 10.6   |

1 Trace.



## No. 145.—CLIMATIC CONDITIONS, ETC.—Continued

| Station                              | Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|--------------------------------------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| <b>TEXAS, SAN ANTONIO</b>            |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 52.3 | 55.4 | 62.8 | 69.1 | 75.1 | 81.0 | 83.8 | 83.5 | 79.0  | 70.5 | 60.3 | 53.7 | 68.9   |
| Daily mean maximum.....              | 62.9 | 66.2 | 73.3 | 78.7 | 85.1 | 91.2 | 94.0 | 94.6 | 89.3  | 81.6 | 71.1 | 63.4 | 79.4   |
| Daily mean minimum.....              | 43.0 | 45.4 | 51.8 | 58.9 | 65.8 | 71.1 | 73.2 | 73.2 | 69.3  | 60.3 | 51.3 | 44.4 | 58.9   |
| Highest on record.....               | 87   | 91   | 97   | 100  | 108  | 108  | 106  | 107  | 109   | 98   | 89   | 86   | 107    |
| Lowest on record.....                | 6    | 4    | 21   | 35   | 44   | 48   | 60   | 57   | 46    | 32   | 22   | 15   | 4      |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 1.46 | 1.65 | 1.84 | 3.19 | 3.20 | 2.46 | 2.17 | 2.42 | 3.05  | 2.23 | 1.90 | 1.61 | 27.18  |
| Days with 0.01 inch or more.....     | 8    | 7    | 7    | 8    | 8    | 6    | 6    | 5    | 7     | 6    | 7    | 8    | 83     |
| Total snowfall, inches.....          | 0.2  | 0.1  | (1)  | 0    | 0    | 0    | 0    | 0    | 0     | 0    | (1)  | 0.2  | 0.5    |
| Percentage of possible sunshine..... | 50   | 53   | 57   | 58   | 61   | 70   | 73   | 76   | 68    | 66   | 53   | 48   | 61     |
| Number of clear days.....            | 11   | 10   | 11   | 9    | 9    | 12   | 14   | 14   | 12    | 15   | 11   | 12   | 140    |
| Hourly wind velocity, miles.....     | 8.0  | 8.7  | 9.3  | 9.0  | 8.8  | 8.0  | 7.5  | 7.0  | 7.1   | 7.2  | 7.7  | 7.8  | 8.0    |
| <b>UTAH, SALT LAKE CITY</b>          |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 29.2 | 33.8 | 41.7 | 49.6 | 57.4 | 67.4 | 75.7 | 74.5 | 64.4  | 52.5 | 41.1 | 31.9 | 51.6   |
| Daily mean maximum.....              | 38.6 | 41.3 | 50.5 | 59.8 | 68.7 | 76.7 | 83.6 | 86.6 | 76.3  | 63.0 | 49.6 | 38.7 | 61.6   |
| Daily mean minimum.....              | 21.9 | 26.3 | 32.9 | 40.0 | 47.3 | 55.9 | 64.1 | 62.8 | 52.9  | 42.3 | 32.4 | 24.6 | 42.0   |
| Highest on record.....               | 60   | 68   | 77   | 85   | 93   | 101  | 105  | 101  | 97    | 88   | 74   | 62   | 105    |
| Lowest on record.....                | -20  | -13  | 0    | 18   | 26   | 32   | 43   | 42   | 29    | 22   | -2   | -10  | -20    |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 1.31 | 1.51 | 1.98 | 2.05 | 1.92 | 0.80 | 0.51 | 0.85 | 0.98  | 1.44 | 1.35 | 1.43 | 16.13  |
| Days with 0.01 inch or more.....     | 10   | 10   | 10   | 9    | 8    | 5    | 4    | 6    | 5     | 6    | 7    | 10   | 90     |
| Total snowfall, inches.....          | 11.5 | 10.3 | 10.0 | 3.5  | 0.3  | (1)  | 0    | 0    | (1)   | 1.0  | 5.5  | 11.6 | 53.7   |
| Percentage of possible sunshine..... | 45   | 50   | 57   | 64   | 68   | 78   | 79   | 76   | 76    | 69   | 58   | 45   | 64     |
| Number of clear days.....            | 8    | 8    | 10   | 10   | 12   | 17   | 18   | 17   | 18    | 16   | 12   | 8    | 154    |
| Hourly wind velocity, miles.....     | 6.7  | 7.0  | 8.1  | 8.7  | 8.7  | 8.5  | 8.2  | 7.9  | 8.1   | 7.5  | 6.7  | 6.4  | 7.7    |
| <b>VERMONT, NORTFIELD</b>            |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 15.2 | 19.4 | 26.4 | 40.3 | 52.8 | 61.3 | 65.9 | 63.4 | 56.1  | 45.5 | 32.8 | 20.4 | 41.4   |
| Daily mean maximum.....              | 26.3 | 28.8 | 36.9 | 50.0 | 64.0 | 72.9 | 77.7 | 74.7 | 67.8  | 55.8 | 41.6 | 29.4 | 52.0   |
| Daily mean minimum.....              | 5.1  | 6.4  | 16.6 | 29.2 | 40.1 | 48.9 | 58.7 | 51.0 | 44.4  | 34.5 | 24.5 | 11.0 | 30.4   |
| Highest on record.....               | 63   | 61   | 75   | 85   | 93   | 96   | 98   | 95   | 92    | 85   | 72   | 65   | 98     |
| Lowest on record.....                | -33  | -35  | -22  | -1   | 18   | 28   | 34   | 31   | 20    | 9    | -14  | -41  | -41    |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 2.35 | 2.25 | 2.56 | 2.28 | 2.75 | 3.19 | 3.68 | 3.53 | 3.07  | 2.86 | 2.93 | 2.49 | 33.84  |
| Days with 0.01 inch or more.....     | 14   | 11   | 13   | 12   | 13   | 13   | 14   | 12   | 12    | 12   | 13   | 13   | 162    |
| Total snowfall, inches.....          | 17.0 | 19.7 | 15.2 | 6.2  | 0.3  | 0    | 0    | 0    | (1)   | 1.3  | 8.7  | 14.1 | 82.5   |
| Percentage of possible sunshine..... | 37   | 47   | 50   | 49   | 52   | 56   | 58   | 56   | 49    | 42   | 29   | 30   | 46     |
| Number of clear days.....            | 5    | 6    | 7    | 6    | 6    | 6    | 5    | 6    | 7     | 6    | 4    | 4    | 98     |
| Hourly wind velocity, miles.....     | 8.0  | 8.0  | 8.2  | 8.2  | 7.8  | 6.8  | 6.7  | 6.4  | 6.6   | 7.7  | 8.0  | 7.4  | 7.5    |
| <b>VIRGINIA, RICHMOND</b>            |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 37.9 | 39.6 | 47.2 | 56.6 | 66.5 | 74.1 | 78.5 | 76.5 | 70.5  | 59.6 | 48.3 | 39.8 | 57.9   |
| Daily mean maximum.....              | 48.1 | 48.5 | 58.2 | 67.1 | 76.8 | 83.6 | 87.7 | 85.5 | 80.6  | 70.3 | 58.7 | 48.6 | 67.8   |
| Daily mean minimum.....              | 30.1 | 29.8 | 37.7 | 45.6 | 55.4 | 63.8 | 68.4 | 67.0 | 61.3  | 49.3 | 38.9 | 31.2 | 48.2   |
| Highest on record.....               | 78   | 82   | 94   | 98   | 96   | 100  | 103  | 107  | 101   | 94   | 82   | 77   | 107    |
| Lowest on record.....                | -1   | -3   | 14   | 19   | 35   | 45   | 52   | 49   | 41    | 28   | 14   | -2   | -3     |
| Precipitation:                       |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Total, inches.....                   | 3.21 | 3.17 | 3.68 | 3.49 | 3.79 | 3.90 | 4.73 | 4.42 | 3.25  | 2.88 | 2.21 | 3.29 | 42.02  |
| Days with 0.01 inch or more.....     | 10   | 10   | 11   | 10   | 12   | 11   | 11   | 11   | 11    | 7    | 7    | 10   | 121    |
| Total snowfall, inches.....          | 3.5  | 3.7  | 2.3  | 0.4  | 0    | 0    | 0    | 0    | 0     | (1)  | 0.3  | 3.0  | 18.2   |
| Percentage of possible sunshine..... | 50   | 56   | 58   | 62   | 67   | 66   | 67   | 62   | 64    | 65   | 58   | 49   | 80     |
| Number of clear days.....            | 10   | 10   | 11   | 12   | 12   | 11   | 11   | 10   | 12    | 15   | 13   | 11   | 133    |
| Hourly wind velocity, miles.....     | 8.1  | 8.3  | 9.1  | 8.6  | 7.3  | 6.5  | 6.4  | 6.1  | 6.1   | 6.8  | 7.4  | 7.4  | 7.8    |
| <b>WASHINGTON, SEATTLE</b>           |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Temperature:                         |      |      |      |      |      |      |      |      |       |      |      |      |        |
| Monthly mean.....                    | 39.6 | 41.1 | 44.9 | 49.4 | 54.5 | 59.0 | 63.1 | 63.1 | 58.1  | 51.4 | 45.6 | 41.7 | 51.0   |
| Daily mean maximum.....              | 44.4 | 47.3 | 51.6 | 57.6 | 63.0 | 68.0 | 73.0 | 72.8 | 66.4  | 58.3 | 50.3 | 46.1 | 58.3   |
| Daily mean minimum.....              | 35.7 | 33.7 | 38.9 | 42.2 | 47.0 | 51.5 | 54.7 | 54.9 | 51.4  | 46.5 | 41.3 | 37.6 | 44.9   |
| Highest on record.....               | 67   | 67   | 81   | 85   | 92   | 98   | 95   | 92   | 90    | 82   | 68   | 62   | 98     |
| Lowest on record.....                | 3    | 4    | 20   | 30   | 36   | 40   | 46   | 46   | 38    | 29   | 15   | 12   | 8      |

1 Tracs.

## No. 145.—CLIMATIC CONDITIONS, ETC.—Continued

| Station                              | Jan. | Feb. | Mar. | Apr. | May              | June | July | Aug. | Sept. | Oct.             | Nov. | Dec. | Annual |
|--------------------------------------|------|------|------|------|------------------|------|------|------|-------|------------------|------|------|--------|
| <b>WASHINGTON, SEATTLE—CON.</b>      |      |      |      |      |                  |      |      |      |       |                  |      |      |        |
| Precipitation:                       |      |      |      |      |                  |      |      |      |       |                  |      |      |        |
| Total, inches.....                   | 4.94 | 3.89 | 3.05 | 2.38 | 1.87             | 1.33 | 0.63 | 0.70 | 1.77  | 2.84             | 5.03 | 5.60 | 34.08  |
| Days with 0.01 inch or more.....     | 19   | 16   | 16   | 13   | 12               | 9    | 4    | 4    | 9     | 13               | 17   | 19   | 151    |
| Total snowfall, inches.....          | 5.2  | 3.9  | 1.0  | 0.1  | ( <sup>1</sup> ) | 0    | 0    | 0    | 0     | ( <sup>1</sup> ) | 0.9  | 1.8  | 12.9   |
| Percentage of possible sunshine..... | 24   | 36   | 44   | 52   | 53               | 55   | 55   | 60   | 49    | 34               | 22   | 21   | 43     |
| Number of clear days.....            | 3    | 4    | 5    | 5    | 6                | 7    | 13   | 13   | 9     | 5                | 2    | 3    | 76     |
| Hourly wind velocity, miles.....     | 11.9 | 8.9  | 10.1 | 8.5  | 8.8              | 8.7  | 8.2  | 7.0  | 8.4   | 8.6              | 8.7  | 11.1 | 9.1    |
| <b>WEST VIRGINIA, PARKERSBURG</b>    |      |      |      |      |                  |      |      |      |       |                  |      |      |        |
| Temperature:                         |      |      |      |      |                  |      |      |      |       |                  |      |      |        |
| Monthly mean.....                    | 32.5 | 34.2 | 42.8 | 53.4 | 63.8             | 71.4 | 75.4 | 73.9 | 67.3  | 56.1             | 43.8 | 35.2 | 54.2   |
| Daily mean maximum.....              | 41.7 | 42.1 | 52.7 | 63.7 | 74.2             | 82.1 | 86.8 | 83.9 | 78.9  | 66.7             | 53.3 | 43.1 | 64.0   |
| Daily mean minimum.....              | 25.5 | 25.8 | 33.6 | 42.7 | 52.5             | 62.1 | 64.9 | 69.5 | 67.8  | 46.0             | 35.6 | 27.7 | 44.6   |
| Highest on record.....               | 74   | 77   | 89   | 98   | 99               | 99   | 104  | 108  | 99    | 91               | 82   | 72   | 106    |
| Lowest on record.....                | -12  | -27  | 4    | 15   | 31               | 41   | 48   | 45   | 33    | 20               | 4    | -10  | -27    |
| Precipitation:                       |      |      |      |      |                  |      |      |      |       |                  |      |      |        |
| Total, inches.....                   | 3.58 | 3.13 | 3.49 | 3.19 | 3.38             | 4.00 | 4.29 | 3.51 | 2.76  | 2.48             | 2.57 | 3.03 | 39.41  |
| Days with 0.01 inch or more.....     | 15   | 13   | 14   | 13   | 12               | 13   | 12   | 11   | 9     | 11               | 13   | 13   | 145    |
| Total snowfall, inches.....          | 6.6  | 6.6  | 4.3  | 0.9  | ( <sup>1</sup> ) | 0    | 0    | 0    | 0     | 0.1              | 1.2  | 4.7  | 24.4   |
| Percentage of possible sunshine..... | 29   | 36   | 40   | 47   | 53               | 57   | 61   | 56   | 57    | 50               | 34   | 26   | 46     |
| Number of clear days.....            | 6    | 7    | 8    | 10   | 11               | 11   | 13   | 12   | 13    | 12               | 7    | 6    | 116    |
| Hourly wind velocity, miles.....     | 7.4  | 7.9  | 8.0  | 7.5  | 6.1              | 5.5  | 5.2  | 5.0  | 5.1   | 5.7              | 6.8  | 7.0  | 6.4    |
| <b>WISCONSIN, GREEN BAY</b>          |      |      |      |      |                  |      |      |      |       |                  |      |      |        |
| Temperature:                         |      |      |      |      |                  |      |      |      |       |                  |      |      |        |
| Monthly mean.....                    | 15.7 | 17.4 | 28.6 | 43.2 | 54.9             | 64.9 | 70.0 | 67.7 | 60.4  | 48.5             | 34.0 | 22.3 | 44.0   |
| Daily mean maximum.....              | 24.0 | 25.6 | 38.0 | 51.8 | 64.5             | 75.3 | 80.4 | 77.2 | 70.0  | 56.8             | 41.2 | 28.9 | 63.3   |
| Daily mean minimum.....              | 8.7  | 9.6  | 21.2 | 34.4 | 45.2             | 55.7 | 60.4 | 58.1 | 51.8  | 40.5             | 28.0 | 15.9 | 35.8   |
| Highest on record.....               | 81   | 80   | 82   | 85   | 96               | 100  | 101  | 98   | 97    | 84               | 71   | 54   | 101    |
| Lowest on record.....                | -36  | -35  | -23  | 11   | 22               | 34   | 43   | 38   | 25    | 8                | -12  | -21  | -36    |
| Precipitation:                       |      |      |      |      |                  |      |      |      |       |                  |      |      |        |
| Total, inches.....                   | 1.84 | 1.56 | 2.04 | 2.65 | 3.52             | 3.70 | 3.46 | 3.13 | 3.52  | 2.54             | 2.16 | 1.71 | 31.68  |
| Days with 0.01 inch or more.....     | 10   | 9    | 10   | 11   | 12               | 11   | 10   | 9    | 10    | 9                | 9    | 10   | 120    |
| Total snowfall, inches.....          | 12.2 | 11.3 | 9.5  | 3.3  | 0.2              | 0    | 0    | 0    | 0     | 0.8              | 4.7  | 9.3  | 51.3   |
| Percentage of possible sunshine..... | 45   | 52   | 55   | 58   | 60               | 67   | 71   | 67   | 59    | 52               | 40   | 40   | 55     |
| Number of clear days.....            | 7    | 7    | 7    | 7    | 7                | 7    | 8    | 8    | 8     | 7                | 5    | 6    | 84     |
| Hourly wind velocity, miles.....     | 10.4 | 10.7 | 11.1 | 11.2 | 10.7             | 9.4  | 8.8  | 8.7  | 9.6   | 10.3             | 10.7 | 10.5 | 10.2   |
| <b>WYOMING, LANDER</b>               |      |      |      |      |                  |      |      |      |       |                  |      |      |        |
| Temperature:                         |      |      |      |      |                  |      |      |      |       |                  |      |      |        |
| Monthly mean.....                    | 18.3 | 22.5 | 32.4 | 42.4 | 51.2             | 60.5 | 67.4 | 65.5 | 55.7  | 43.5             | 30.3 | 20.4 | 42.5   |
| Daily mean maximum.....              | 32.4 | 35.9 | 44.9 | 55.0 | 64.6             | 76.0 | 84.1 | 82.3 | 71.8  | 58.8             | 44.4 | 32.1 | 56.8   |
| Daily mean minimum.....              | 5.8  | 9.5  | 19.4 | 29.5 | 38.2             | 45.9 | 51.8 | 49.6 | 40.5  | 29.8             | 17.8 | 6.7  | 28.7   |
| Highest on record.....               | 64   | 69   | 71   | 82   | 88               | 96   | 102  | 96   | 90    | 83               | 72   | 62   | 102    |
| Lowest on record.....                | -39  | -33  | -24  | -3   | 13               | 26   | 32   | 23   | 7     | -14              | -31  | -40  | -40    |
| Precipitation:                       |      |      |      |      |                  |      |      |      |       |                  |      |      |        |
| Total, inches.....                   | 0.56 | 0.63 | 1.19 | 2.06 | 2.26             | 1.15 | 0.69 | 0.53 | 0.92  | 1.36             | 0.60 | 0.68 | 12.63  |
| Days with 0.01 inch or more.....     | 4    | 5    | 7    | 8    | 9                | 6    | 6    | 5    | 5     | 5                | 3    | 4    | 67     |
| Total snowfall, inches.....          | 5.0  | 8.7  | 12.0 | 14.5 | 4.9              | 0.4  | 0    | 0    | 1.8   | 8.4              | 7.0  | 7.5  | 70.2   |
| Percentage of possible sunshine..... | 69   | 70   | 71   | 65   | 65               | 74   | 75   | 75   | 71    | 65               | 59   | 61   | 88     |
| Number of clear days.....            | 12   | 11   | 10   | 9    | 9                | 12   | 13   | 14   | 15    | 14               | 11   | 13   | 143    |
| Hourly wind velocity, miles.....     | 4.8  | 4.8  | 6.6  | 6.4  | 6.2              | 6.1  | 5.8  | 5.4  | 5.6   | 5.2              | 4.8  | 4.7  | 5.5    |

<sup>1</sup> Trace.<sup>4</sup> Adjusted to elevation of 349 feet, 3-year record.

Source: The Division of Climate and Crop Weather, Weather Bureau, Department of Agriculture.

# 8. ARMY, NAVY, VETERANS' ADMINISTRATION ACTIVITIES, CIVIL SERVICE, ELECTIONS, ETC.

## No. 146.—ARMY OF THE UNITED STATES: STRENGTH OF COMPONENT PARTS

NOTE.—Prior to 1914, table covers quinquennial years and years in which considerable changes occurred in the number of Regular Army. Figures for Officers' Reserve Corps include Regular Army enlisted men and also, prior to 1924, National Guard officers holding commissions in the reserve. There is, therefore, some duplication in the grand totals, but the number of this personnel is not so great as to make a material difference in the figures.

| June 30—                    | Grand total | Regular Army <sup>1</sup> |           |              | National Guard <sup>2</sup> |                  |                  | Reserve forces |           |              |
|-----------------------------|-------------|---------------------------|-----------|--------------|-----------------------------|------------------|------------------|----------------|-----------|--------------|
|                             |             | Total                     | Officers  | Enlisted men | Total                       | Officers         | Enlisted men     | Total          | Officers  | Enlisted men |
| 1890.....                   | 136,624     | 27,089                    | 2,168     | 24,921       | 109,536                     | 8,555            | 100,980          | —              | —         | —            |
| 1895.....                   | 140,051     | 27,172                    | 2,154     | 25,018       | 112,879                     | 9,227            | 103,652          | —              | —         | —            |
| 1900.....                   | 223,366     | 68,166                    | 2,436     | 65,669       | 122,213                     | 8,246            | 113,967          | \$2,998        | \$1,531   | \$1,467      |
| 1901.....                   | 200,666     | 81,686                    | 2,940     | 78,646       | 115,749                     | 8,761            | 106,988          | \$3,361        | \$850     | \$3,011      |
| 1902.....                   | 185,806     | 76,584                    | 3,781     | 71,803       | 110,221                     | ( <sup>3</sup> ) | ( <sup>4</sup> ) | —              | —         | —            |
| 1905.....                   | 178,269     | 66,956                    | 3,934     | 63,022       | 111,313                     | 8,680            | 102,633          | —              | —         | —            |
| 1908.....                   | 187,369     | 76,428                    | 3,966     | 72,462       | 110,941                     | 8,583            | 102,358          | —              | —         | —            |
| 1909.....                   | 203,385     | 84,459                    | 4,208     | 80,251       | 118,926                     | 8,975            | 109,951          | —              | —         | —            |
| 1910.....                   | 200,378     | 80,718                    | 4,439     | 76,279       | 119,660                     | 9,166            | 70,505           | —              | —         | —            |
| 1912.....                   | 213,313     | 91,461                    | 4,650     | 86,811       | 121,862                     | 9,142            | 112,710          | —              | —         | —            |
| 1914.....                   | 225,819     | 97,760                    | 4,883     | 92,877       | 123,043                     | 8,792            | 119,251          | \$16           | —         | \$16         |
| 1915.....                   | 235,410     | 105,996                   | 4,798     | 101,196      | 129,993                     | 8,705            | 120,693          | \$19           | —         | \$19         |
| 1916.....                   | 244,483     | 107,641                   | 5,025     | 102,616      | 132,194                     | 8,389            | 123,605          | \$4,648        | —         | \$4,648      |
| 1917.....                   | 628,863     | 260,857                   | 6,332     | 244,625      | \$314,581                   | \$11,000         | 303,581          | \$4,926        | \$21,643  | \$45,882     |
| 1918.....                   | 2,246,103   | 741,084                   | 10,518    | 730,566      | 445,678                     | 12,000           | 433,678          | 1,059,341      | 135,380   | 923,961      |
| 1918 (Nov. 11) <sup>5</sup> | 3,673,888   | \$2,673,888               | \$188,434 | \$13,485,454 | —                           | —                | —                | —              | —         | —            |
| 1919.....                   | 931,422     | 336,882                   | \$78,003  | 758,879      | 37,210                      | 1,198            | 36,012           | 57,330         | \$45,573  | \$11,757     |
| 1920.....                   | 363,540     | 200,367                   | \$15,519  | 184,848      | 56,090                      | 2,073            | 54,017           | 107,083        | \$68,232  | \$38,851     |
| 1921.....                   | 407,920     | 227,374                   | \$14,124  | 213,250      | 113,640                     | 5,843            | 107,797          | 66,908         | \$66,905  | \$1          |
| 1922.....                   | 373,597     | 146,069                   | \$14,075  | 131,994      | 159,658                     | 8,744            | 150,914          | 67,870         | \$67,390  | \$480        |
| 1923.....                   | 370,042     | 130,964                   | \$12,682  | 118,282      | 160,508                     | 8,675            | 150,923          | 78,480         | \$76,923  | \$14,557     |
| 1924.....                   | 397,794     | 140,644                   | \$12,501  | 128,143      | 177,428                     | \$10,903         | 166,425          | 79,722         | \$76,322  | \$3,400      |
| 1925.....                   | 406,162     | 184,624                   | \$12,906  | 121,716      | 177,525                     | \$11,595         | 165,930          | 94,013         | \$88,898  | \$5,116      |
| 1926.....                   | 410,902     | 133,033                   | \$13,105  | 119,928      | 174,969                     | \$11,435         | 163,534          | 102,900        | \$97,125  | \$5,775      |
| 1927.....                   | 421,519     | 133,079                   | \$13,176  | 119,904      | 181,142                     | \$12,192         | 168,950          | 107,298        | \$101,563 | \$6,735      |
| 1928.....                   | 426,075     | 134,331                   | \$13,174  | 121,157      | 181,221                     | \$12,428         | 168,793          | 110,529        | \$105,059 | \$5,464      |
| 1929.....                   | 421,466     | 137,360                   | \$13,168  | 124,192      | 176,988                     | \$12,535         | 164,453          | 107,118        | \$101,926 | \$5,192      |
| 1930.....                   | 426,825     | 137,472                   | \$13,165  | 124,277      | 182,715                     | \$12,980         | 169,785          | 106,638        | \$101,917 | \$4,721      |
| 1931.....                   | 439,081     | 138,648                   | \$13,205  | 125,443      | 187,356                     | \$13,249         | 174,137          | 113,047        | \$108,210 | \$4,837      |
| 1932.....                   | 440,162     | 138,042                   | \$13,153  | 119,889      | 187,412                     | \$13,549         | 173,863          | 119,708        | \$114,838 | \$4,872      |
| 1933.....                   | 445,440     | 135,011                   | \$13,223  | 121,788      | 185,925                     | \$13,569         | 172,356          | 124,518        | \$119,485 | \$5,028      |
| 1934.....                   | 440,764     | 138,670                   | \$13,147  | 123,823      | 184,791                     | \$13,607         | 171,284          | 119,008        | \$114,357 | \$4,646      |
| 1935.....                   | 440,788     | 137,960                   | \$13,862  | 125,098      | 185,915                     | \$13,872         | 172,344          | 116,913        | \$112,590 | \$4,323      |

<sup>1</sup> Includes Philippine Scouts beginning with 1902. Figures for 1919 to 1926, inclusive, include in most cases World War emergency personnel still in service. All emergency enlisted men still in service were discharged on July 2, 1921. On Nov. 11, 1926, the last emergency officer was discharged, thereby completing the demobilization of the World War Army. Retired personnel on active duty are not included.

<sup>2</sup> State militia prior to act of June 3, 1916.

<sup>3</sup> U. S. Volunteers.

<sup>4</sup> Figures on officers and enlisted men not available.

<sup>5</sup> Regular Army Reserve. The Regular Army Reserve was abolished by act of June 4, 1920.

<sup>6</sup> Includes National Guard personnel in Federal service.

<sup>7</sup> Estimate.

<sup>8</sup> Officers' Reserve Corps. Beginning with 1924, figures do not include individuals who hold commissions also in the National Guard.

<sup>9</sup> Includes Regular Army Reserve, 8,392; Enlisted Reserve Corps, 35,000 (estimate).

<sup>10</sup> Includes Officers' Reserve Corps, 86,262; National Army, 49,118 (estimate).

<sup>11</sup> Estimated enlisted strength of the National Army. Practically all members of the Regular Army Reserve and the Enlisted Reserve Corps had, by this date, been assigned to duty with Regular Army, National Guard, and National Army organizations.

<sup>12</sup> Estimates only. Under orders of the Secretary of War all components had been merged into one army known as "The United States Army."

<sup>13</sup> Beginning with 1919, figures for commissioned officers include warrant officers in the following numbers: 1919, 37; 1920, 68; 1921, 1,156; 1922, 1,161; 1923, 1,085; 1924, 1,063; 1925, 1,028; 1926, 1,325; 1927, 1,252; 1928, 1,208; 1929, 1,138; 1930, 1,089; 1931, 1,028; 1932, 973; 1933, 926; 1934, 896; 1935, 825.

<sup>14</sup> Enlisted Reserve Corps.

<sup>15</sup> Beginning with 1924, figures for commissioned officers include warrant officers in the following numbers: 1924, 87; 1925, 160; 1926, 162; 1927, 182; 1928, 184; 1929, 188; 1930, 193; 1931, 198; 1932, 204; 1933, 206; 1934, 198; 1935, 201.

Source: Reports of the War Department.

## No. 147.—NATIONAL GUARD: ORGANIZED STRENGTH, JUNE 30, 1935

| State or Territory | Officers <sup>1</sup> | En-listed men | State or Territory  | Officers <sup>1</sup> | En-listed men | State or Territory  | Officers <sup>1</sup> | En-listed men |
|--------------------|-----------------------|---------------|---------------------|-----------------------|---------------|---------------------|-----------------------|---------------|
| <b>Total</b> ..... | 13, 671               | 173, 344      | Kentucky.....       | 222                   | 2, 701        | Ohio.....           | 639                   | 7, 987        |
| Alabama.....       | 221                   | 2, 530        | Louisiana.....      | 136                   | 1, 892        | Oklahoma.....       | 409                   | 4, 856        |
| Arizona.....       | 83                    | 1, 155        | Maine.....          | 130                   | 2, 323        | Oregon.....         | 213                   | 2, 845        |
| Arkansas.....      | 153                   | 2, 044        | Maryland.....       | 265                   | 3, 161        | Pennsylvania.....   | 867                   | 10, 911       |
| California.....    | 470                   | 5, 976        | Massachusetts.....  | 671                   | 8, 978        | Puerto Rico.....    | 90                    | 1, 410        |
| Colorado.....      | 149                   | 1, 086        | Michigan.....       | 342                   | 4, 189        | Rhode Island.....   | 162                   | 1, 820        |
| Connecticut.....   | 322                   | 4, 024        | Minnesota.....      | 364                   | 4, 697        | South Carolina..... | 156                   | 2, 103        |
| Delaware.....      | 57                    | 780           | Mississippi.....    | 164                   | 2, 080        | South Dakota.....   | 107                   | 1, 219        |
| Dist. of Col.....  | 66                    | 938           | Missouri.....       | 320                   | 4, 184        | Tennessee.....      | 200                   | 2, 306        |
| Florida.....       | 180                   | 2, 295        | Montana.....        | 76                    | 1, 036        | Texas.....          | 614                   | 7, 645        |
| Georgia.....       | 261                   | 3, 874        | Nebraska.....       | 123                   | 1, 603        | Utah.....           | 137                   | 1, 304        |
| Hawaii.....        | 110                   | 1, 624        | Nevada.....         | 8                     | 117           | Vermont.....        | 86                    | 1, 122        |
| Idaho.....         | 110                   | 1, 185        | New Hampshire.....  | 75                    | 983           | Virginia.....       | 274                   | 3, 579        |
| Illinois.....      | 668                   | 8, 806        | New Jersey.....     | 352                   | 4, 483        | Washington.....     | 216                   | 2, 418        |
| Indiana.....       | 360                   | 4, 454        | New Mexico.....     | 80                    | 912           | West Virginia.....  | 128                   | 1, 837        |
| Iowa.....          | 272                   | 3, 413        | New York.....       | 1, 419                | 19, 391       | Wisconsin.....      | 347                   | 4, 356        |
| Kansas.....        | 255                   | 2, 924        | North Carolina..... | 286                   | 3, 203        | Wyoming.....        | 53                    | 586           |
|                    |                       |               | North Dakota.....   | 79                    | 1, 089        |                     |                       |               |

<sup>1</sup> Includes 201 warrant officers.

## No. 148.—NAVY, MARINE CORPS, NAVAL RESERVE, AND MARINE CORPS RESERVE: ORGANIZED STRENGTH, JUNE 30

| Year      | Navy     |              | Naval Reserve <sup>1</sup> |                      | Marine Corps        |              | Marine Corps Reserve |              |
|-----------|----------|--------------|----------------------------|----------------------|---------------------|--------------|----------------------|--------------|
|           | Officers | Enlisted men | Officers                   | Enlisted men         | Officers            | Enlisted men | Officers             | Enlisted men |
| 1905..... | 2, 262   | 30, 804      | 465                        | 4, 475               | 273                 | 6, 932       | -----                | -----        |
| 1910..... | 2, 921   | 45, 076      | 540                        | 5, 961               | 334                 | 9, 152       | -----                | -----        |
| 1915..... | 3, 780   | 52, 561      | 806                        | 7, 706               | 344                 | 9, 968       | -----                | -----        |
| 1918..... | 7, 974   | 208, 671     | <sup>2</sup> 15, 480       | 217, 136             | <sup>2</sup> 1, 263 | 45, 348      | 210                  | 5, 188       |
| 1919..... | 10, 488  | 169, 575     | <sup>2</sup> 32, 137       | 80, 705              | <sup>2</sup> 1, 997 | 43, 921      | 725                  | 6, 145       |
| 1920..... | 9, 171   | 107, 601     | <sup>2</sup> 28, 482       | 1, 349               | <sup>2</sup> 1, 108 | 16, 061      | 564                  | 4, 760       |
| 1921..... | 8, 625   | 119, 205     | <sup>2</sup> 19, 734       | ( <sup>3</sup> )     | <sup>2</sup> 1, 087 | 21, 903      | 545                  | 4, 180       |
| 1922..... | 7, 831   | 88, 580      | <sup>2</sup> 5, 340        | <sup>4</sup> 13, 400 | <sup>2</sup> 1, 142 | 20, 098      | 446                  | 1, 110       |
| 1923..... | 7, 873   | 82, 355      | <sup>2</sup> 4, 222        | 16, 098              | <sup>2</sup> 1, 140 | 18, 533      | 136                  | 443          |
| 1924..... | 8, 126   | 87, 327      | <sup>2</sup> 3, 975        | 21, 015              | <sup>2</sup> 1, 167 | 19, 176      | 137                  | 501          |
| 1925..... | 8, 389   | 84, 289      | <sup>2</sup> 3, 818        | 24, 457              | <sup>2</sup> 1, 168 | 18, 310      | 150                  | 488          |
| 1926..... | 8, 574   | 82, 161      | <sup>2</sup> 3, 736        | 25, 654              | <sup>2</sup> 1, 178 | 17, 956      | 250                  | 2, 647       |
| 1927..... | 8, 904   | 83, 566      | <sup>2</sup> 3, 771        | 26, 293              | <sup>2</sup> 1, 200 | 18, 000      | 378                  | 5, 685       |
| 1928..... | 8, 856   | 84, 276      | <sup>2</sup> 4, 091        | 27, 072              | <sup>2</sup> 1, 198 | 17, 822      | 413                  | 8, 366       |
| 1929..... | 8, 905   | 85, 284      | <sup>2</sup> 6, 078        | 28, 821              | <sup>2</sup> 1, 182 | 17, 615      | 446                  | 9, 119       |
| 1930..... | 8, 985   | 84, 872      | <sup>2</sup> 7, 002        | 31, 777              | <sup>2</sup> 1, 212 | 18, 172      | 488                  | 10, 265      |
| 1931..... | 9, 260   | 80, 863      | <sup>2</sup> 7, 549        | 34, 586              | <sup>2</sup> 1, 194 | 17, 596      | 536                  | 9, 425       |
| 1932..... | 9, 423   | 81, 093      | <sup>2</sup> 7, 869        | 34, 802              | <sup>2</sup> 1, 106 | 15, 355      | 557                  | 8, 437       |
| 1933..... | 9, 449   | 79, 206      | <sup>2</sup> 7, 978        | 32, 889              | <sup>2</sup> 1, 102 | 14, 876      | 642                  | 8, 742       |
| 1934..... | 9, 582   | 80, 312      | <sup>2</sup> 8, 567        | 32, 309              | <sup>2</sup> 1, 187 | 15, 174      | 645                  | 7, 676       |
| 1935..... | 9, 721   | 82, 818      | <sup>2</sup> 9, 571        | 32, 649              | <sup>2</sup> 1, 163 | 16, 097      | 689                  | 8, 378       |

<sup>1</sup> Naval Militia prior to 1917.<sup>2</sup> Enrolled.<sup>3</sup> No figures available.<sup>4</sup> Approximate.

## No. 149.—VESSELS OF THE U. S. NAVY FIT FOR SERVICE (INCLUDING THOSE UNDER REPAIR): NUMBER AND DISPLACEMENT

| Date         | Total   |               | Fighting ships |               | Nonfighting ships |               |
|--------------|---------|---------------|----------------|---------------|-------------------|---------------|
|              | Num-ber | Displace-ment | Num-ber        | Displace-ment | Num-ber           | Displace-ment |
| June 30:     |         | <i>Tons</i>   |                | <i>Tons</i>   |                   | <i>Tons</i>   |
| 1906.....    | 276     | 692, 692      | 200            | 518, 115      | 76                | 174, 477      |
| 1910.....    | 308     | 1, 075, 407   | 220            | 828, 695      | 88                | 246, 712      |
| 1915.....    | 343     | 1, 352, 135   | 230            | 913, 334      | 113               | 438, 801      |
| 1920.....    | 795     | 2, 111, 457   | 618            | 1, 369, 880   | 177               | 741, 577      |
| 1925.....    | 754     | 2, 274, 376   | 517            | 1, 269, 791   | 187               | 1, 004, 585   |
| 1930.....    | 685     | 2, 228, 617   | 551            | 1, 305, 744   | 134               | 922, 873      |
| December 31: |         |               |                |               |                   |               |
| 1931.....    | 589     | 2, 010, 819   | 455            | 1, 068, 890   | 134               | 941, 929      |
| 1932.....    | 591     | 2, 021, 519   | 458            | 1, 080, 750   | 133               | 940, 766      |
| 1933.....    | 595     | 2, 010, 249   | 467            | 1, 097, 990   | 128               | 912, 819      |
| 1934.....    | 584     | 2, 059, 679   | 457            | 1, 155, 930   | 127               | 903, 740      |
| 1935.....    | 565     | 2, 043, 624   | 436            | 1, 155, 780   | 129               | 887, 844      |

Sources: Table 147, War Department; Tables 148 and 149, Navy Department.

# No. 150.—VESSELS OF THE U. S. NAVY FIT FOR SERVICE (INCLUDING THOSE UNDER REPAIR): NUMBER AND DISPLACEMENT, BY TYPES, DECEMBER 31, 1935

NOTE.—Displacements of combatant vessels are given as standard displacements (displacements arrived at in accordance with the terms of the London Treaty for the Limitation and Reduction of Naval Armament); of all other vessels, load displacements. Vessels under construction December 31, 1935, were as follows: 3 heavy cruisers (30,000 tons), 9 light cruisers (9,000 tons), 3 aircraft carriers (54,500 tons), 53 destroyers (84,050 tons), 14 submarines (19,320 tons), 2 gunboats (4,000 tons); total, 84 vessels (281,870 tons). In addition, there is 1 transport authorized but contract not placed, exclusive of new construction authorized by Act of March 27, 1934.

| Class and type                       | In commis-<br>sion <sup>1</sup> |                        | Out of com-<br>mission |                        | Class and type                   | In commis-<br>sion <sup>1</sup> |                        | Out of com-<br>mission |                        |
|--------------------------------------|---------------------------------|------------------------|------------------------|------------------------|----------------------------------|---------------------------------|------------------------|------------------------|------------------------|
|                                      | Num-<br>ber                     | Dis-<br>place-<br>ment | Num-<br>ber            | Dis-<br>place-<br>ment |                                  | Num-<br>ber                     | Dis-<br>place-<br>ment | Num-<br>ber            | Dis-<br>place-<br>ment |
| Grand total.....                     | 350                             | 1,468,244              | 215                    | 577,380                | Patrol vessels, total.....       | 38                              | 13,340                 | 15                     | 5,030                  |
| Battleships, total.....              | 15                              | 464,300                |                        |                        | Eagles.....                      | 9                               | 3,870                  | 11                     | 4,730                  |
| Not over age.....                    | 12                              | 384,200                |                        |                        | Submarine chas-<br>ers.....      | 14                              | 1,050                  | 4                      | 300                    |
| Over age.....                        | 3                               | 80,100                 |                        |                        | Gunboats.....                    | 3                               | 3,680                  |                        |                        |
| Cruisers, total.....                 | 26                              | 212,925                | 1                      | 7,350                  | River gunboats.....              | 8                               | 3,120                  |                        |                        |
| Heavy cruisers.....                  |                                 |                        |                        |                        | Converted yachts.....            | 2                               | 1,620                  |                        |                        |
| Not over age.....                    | 15                              | 142,425                |                        |                        | Auxiliaries, total.....          | 68                              | 423,950                | 38                     | 357,025                |
| Over age.....                        |                                 |                        | 1                      | 7,350                  | Destroyer tenders.....           | 6                               | 60,950                 | 2                      | 21,750                 |
| Light cruisers.....                  |                                 |                        |                        |                        | Submarine tend-<br>ers.....      | 5                               | 40,500                 | 1                      | 9,000                  |
| Not over age.....                    | 10                              | 70,500                 |                        |                        | Aircraft tenders.....            | 1                               | 11,500                 | 1                      | 12,470                 |
| Aircraft carriers.....               | 4                               | 92,000                 |                        |                        | Repair ships.....                | 2                               | 18,720                 | 1                      | 8,100                  |
| Not over age.....                    | 3                               | 80,500                 |                        |                        | Floating drydock.....            | 1                               | 2,315                  |                        |                        |
| Over age.....                        | 1                               | 11,600                 |                        |                        | Store ships.....                 | 2                               | 21,100                 | 2                      | 25,200                 |
| Destroyers, total.....               | 105                             | 123,135                | 96                     | 105,050                | Colliers.....                    |                                 |                        | 3                      | 57,640                 |
| Not over age.....                    | 8                               | 11,075                 |                        |                        | Oilers.....                      | 8                               | 110,850                | 10                     | 158,650                |
| Over age.....                        | 97                              | 111,060                | 96                     | 105,050                | Ammunitions ships.....           | 1                               | 10,600                 | 1                      | 10,600                 |
| Submarines, total.....               | 51                              | 51,160                 | 35                     | 21,440                 | Cargo ships.....                 | 2                               | 22,900                 | 3                      | 33,450                 |
| Not over age.....                    | 39                              | 41,280                 | 1                      | 800                    | Transports.....                  | 2                               | 20,700                 |                        |                        |
| Over age.....                        | 11                              | 7,170                  | 34                     | 20,640                 | Hospital ships.....              | 1                               | 9,800                  | 1                      | 9,450                  |
| Mine laying—not<br>over age.....     | 1                               | 2,710                  |                        |                        | Ocean-going tugs.....            | 21                              | 19,355                 | 11                     | 9,235                  |
| Mine vessels, total.....             | 35                              | 34,040                 | 18                     | 27,010                 | Submarine rescue<br>vessels..... | 5                               | 6,170                  | 1                      | 1,120                  |
| Mine layers.....                     | 1                               | 4,200                  | 3                      | 11,850                 | Miscellaneous.....               | 9                               | 68,490                 | 1                      | 360                    |
| Light mine lay-<br>ers—over age..... | 4                               | 4,640                  | 8                      | 9,280                  | Unclassified.....                | 13                              | 52,394                 | 12                     | 54,475                 |
| Mine sweepers.....                   | 30                              | 25,200                 | 7                      | 5,880                  |                                  |                                 |                        |                        |                        |

<sup>1</sup> Includes vessels in reserve commission.

<sup>2</sup> Excludes weight allowance under Washington Treaty for providing against air and submarine attack.

<sup>3</sup> Includes U. S. S. *Porpoise* and U. S. S. *Pike*, which are in commission but are not completed.

<sup>4</sup> Includes *S-4*, which is in commission as a special experimental vessel without propulsive machinery.

<sup>5</sup> Estimated.

<sup>6</sup> Includes U. S. S. *Constitution* which is "in service but not in commission."

# No. 151.—AMERICAN NATIONAL RED CROSS: EXPENDITURES OF THE NATIONAL ORGANIZATION AND ADULT MEMBERSHIP, YEARS ENDED JUNE 30

NOTE.—Expenditures in thousands of dollars. Expenditures do not include chapter budgets. For the fiscal year 1935, additional expenditures by the 3,711 chapters were estimated at \$5,600,000.

|                                                                              | 1927   | 1928   | 1929   | 1930   | 1931                                                                         | 1932  | 1933  | 1934  | 1935  |
|------------------------------------------------------------------------------|--------|--------|--------|--------|------------------------------------------------------------------------------|-------|-------|-------|-------|
| Adult membership (thousands):                                                |        |        |        |        |                                                                              |       |       |       |       |
| Total, including insular and foreign.                                        | 3,088  | 4,059  | 4,128  | 4,131  | 4,076                                                                        | 4,004 | 3,702 | 3,802 | 3,838 |
| Continental United States, includ-<br>ing Alaska.....                        | 2,896  | 3,975  | 4,019  | 4,006  | 3,962                                                                        | 3,900 | 3,808 | 3,711 | 3,734 |
| Percent of total population <sup>1</sup> .....                               | 2.5    | 3.4    | 3.4    | 3.3    | 3.2                                                                          | 3.1   | 2.9   | 2.9   | 2.9   |
| Expenditures, total.....                                                     | 11,360 | 19,386 | 11,064 | 13,255 | 15,182                                                                       | 6,553 | 3,674 | 3,717 | 2,946 |
| Detail of expenditures <sup>2</sup>                                          | 1935   |        |        |        | Detail of expenditures <sup>2</sup>                                          |       |       |       | 1935  |
| Disaster relief.....                                                         | 630    |        |        |        | General service and assistance to chapters.                                  | 529   |       |       |       |
| Domestic.....                                                                | 643    |        |        |        | Public information and roll call, includ-<br>ing assistance to chapters..... | 294   |       |       |       |
| Insular and foreign.....                                                     | 88     |        |        |        | League of Red Cross Societies.....                                           | 128   |       |       |       |
| Nursing service.....                                                         | 169    |        |        |        | Other.....                                                                   | 84    |       |       |       |
| First aid and life saving.....                                               | 174    |        |        |        | Supervision of service activities and gen-<br>eral management.....           | 332   |       |       |       |
| Work for ex-service men and men now<br>serving in the Regular Army and Navy. | 434    |        |        |        |                                                                              |       |       |       |       |
| Junior Red Cross.....                                                        | 120    |        |        |        |                                                                              |       |       |       |       |

<sup>1</sup> Based on revised population estimates of the Bureau of the Census.

<sup>2</sup> Activities common to all services, such as central stenographic section, files, etc., have been prorated to the various services according to the use that the services make of them. Owing to changes in the method of prorating these common activities, the detail for 1935 is not comparable with detail for earlier years shown in previous issues of this publication.

Sources: Table 150, Navy Department; Table 151, The American Red Cross, except as noted.

# No. 152.—DISBURSEMENTS BY THE VETERANS' ADMINISTRATION AND PREDECESSOR ORGANIZATIONS: YEARS ENDED JUNE 30

NOTE.—Amounts in thousands of dollars. The Veterans' Administration is responsible for extending benefits provided by law to veterans and dependents of deceased veterans, including pensions and compensation, Government insurance, military and naval insurance, adjusted compensation, emergency officers' retirement pay for veterans of the World War, and hospital and domiciliary care for veterans of all wars. In the following table, disbursements from the civil service and Canal Zone retirement funds, administered by the Veterans' Administration during 1931 to 1934, are not included. Disbursements from adjusted-service certificate fund represent payments on certificates matured by death of veterans and interest paid U. S. Government life insurance fund due to rate allowed in excess of amount charged veterans, act of July 21, 1932; they do not include loans. The total amount disbursed from insurance premiums, allotments deducted from pay of World War veterans while in service, etc., \$1,044,593,000

| Year              | Total for relief of veterans | Pensions and compensation |                      |           |           |                                 |                                      |                                    |                                     |
|-------------------|------------------------------|---------------------------|----------------------|-----------|-----------|---------------------------------|--------------------------------------|------------------------------------|-------------------------------------|
|                   |                              | Total <sup>1</sup>        | Spanish-American War | Civil War | World War |                                 |                                      |                                    |                                     |
|                   |                              |                           |                      |           | Total     | Death compensation <sup>2</sup> | Disability compensation <sup>2</sup> | Emergency officers' retirement pay | Disability allowance or non-service |
| To June 30, 1918. | 5,846,571                    | 5,305,703                 | 61,333               | 5,087,643 | 340       | 173                             | 175                                  |                                    |                                     |
| 1919              | 701,064                      | 233,461                   | 3,878                | 212,212   | 11,831    | 4,777                           | 6,555                                |                                    |                                     |
| 1920              | 514,979                      | 816,418                   | 4,624                | 202,585   | 103,159   | 21,127                          | 82,032                               |                                    |                                     |
| 1921              | 604,538                      | 380,026                   | 6,172                | 246,585   | 121,830   | 17,586                          | 103,745                              |                                    |                                     |
| 1922              | 744,896                      | 377,158                   | 11,639               | 236,151   | 123,874   | 16,576                          | 103,709                              |                                    |                                     |
| 1923              | 743,635                      | 388,607                   | 17,887               | 238,925   | 125,619   | 18,562                          | 107,067                              |                                    |                                     |
| 1924              | 654,786                      | 345,490                   | 21,140               | 203,000   | 115,616   | 19,412                          | 96,103                               |                                    |                                     |
| 1925              | 620,823                      | 346,748                   | 25,069               | 186,208   | 129,615   | 25,474                          | 104,141                              |                                    |                                     |
| 1926              | 653,944                      | 372,281                   | 30,223               | 171,606   | 164,454   | 31,190                          | 133,255                              |                                    |                                     |
| 1927              | 644,962                      | 403,630                   | 57,233               | 166,493   | 178,493   | 20,344                          | 144,149                              |                                    |                                     |
| 1928              | 659,871                      | 410,765                   | 70,674               | 149,666   | 181,816   | 30,824                          | 150,992                              |                                    |                                     |
| 1929              | 673,289                      | 418,821                   | 78,846               | 143,594   | 188,947   | 31,049                          | 153,102                              | 4,796                              |                                     |
| 1930              | 684,023                      | 418,433                   | 83,751               | 128,785   | 190,245   | 32,970                          | 155,045                              | 11,229                             |                                     |
| 1931              | 759,367                      | 483,389                   | 102,256              | 121,994   | 253,984   | 31,446                          | 181,911                              | 10,938                             | 29,690                              |
| 1932              | 841,437                      | 545,800                   | 113,768              | 107,866   | 313,280   | 36,719                          | 189,550                              | 11,553                             | 75,458                              |
| 1933              | 833,499                      | 550,585                   | 125,306              | 98,273    | 315,576   | 35,585                          | 184,834                              | 9,969                              | 85,187                              |
| 1934              | 545,838                      | 321,395                   | 55,614               | 69,815    | 184,198   | 32,786                          | 139,446                              | 2,181                              | 9,785                               |
| 1935              | 609,916                      | 374,426                   | 77,753               | 63,530    | 218,861   | 33,721                          | 171,877                              | 2,709                              | 11,543                              |
| Grand total.      | 17,395,997                   | 12,088,134                | 945,187              | 7,831,938 | 2,925,138 | 449,321                         | 2,210,779                            | 53,375                             | 211,662                             |

  

| Year              | Pensions and compensation—Continued |            | Military and naval insurance | United States Government life insurance | Adjusted-service certificate fund | Adjusted-service and dependent pay | Hospital and domiciliary facilities and services, construction | Administration <sup>4</sup> | Allotments and allowances | All other <sup>5</sup> |
|-------------------|-------------------------------------|------------|------------------------------|-----------------------------------------|-----------------------------------|------------------------------------|----------------------------------------------------------------|-----------------------------|---------------------------|------------------------|
|                   | Other wars <sup>3</sup>             | Peace time |                              |                                         |                                   |                                    |                                                                |                             |                           |                        |
| To June 30, 1918. | 199,832                             | 46,540     |                              | 840                                     |                                   |                                    |                                                                | 315,222                     | 108,240                   | 26,566                 |
| 1919              | 2,337                               | 3,702      | 43,798                       |                                         |                                   |                                    |                                                                | 23,216                      | 392,882                   | 7,707                  |
| 1920              | 2,444                               | 3,604      | 85,926                       | 48                                      |                                   |                                    |                                                                | 23,852                      | 53,699                    | 35,167                 |
| 1921              | 2,483                               | 3,456      | 94,904                       | 2,057                                   |                                   |                                    |                                                                | 64,656                      | 23,774                    | 99,122                 |
| 1922              | 2,592                               | 3,401      | 102,989                      | 6,085                                   |                                   |                                    | 917                                                            | 86,466                      | 4,932                     | 166,300                |
| 1923              | 2,643                               | 3,583      | 96,418                       | 6,700                                   |                                   |                                    | 2,644                                                          | 97,009                      | 27,149                    | 520                    |
| 1924              | 2,513                               | 3,321      | 101,240                      | 7,482                                   |                                   |                                    | 9,215                                                          | 84,382                      | 13,106                    | 966                    |
| 1925              | 2,475                               | 3,360      | 104,136                      | 8,962                                   | 4,607                             | 3,038                              | 3,895                                                          | 88,924                      | 10,601                    | 501                    |
| 1926              | 2,342                               | 3,656      | 136,975                      | 9,832                                   | 15,365                            | 6,625                              | 4,511                                                          | 83,065                      | 25,819                    | 89                     |
| 1927              | 2,598                               | 3,818      | 120,964                      | 11,864                                  | 14,408                            | 9,960                              | 4,599                                                          | 77,495                      | 18,228                    | 228                    |
| 1928              | 4,510                               | 4,096      | 120,771                      | 17,664                                  | 17,098                            | 10,153                             | 5,222                                                          | 78,020                      | 661                       | 238                    |
| 1929              | 4,931                               | 4,503      | 121,349                      | 22,302                                  | 19,745                            | 6,458                              | 4,044                                                          | 80,524                      | 657                       | 90                     |
| 1930              | 4,956                               | 4,697      | 122,769                      | 24,677                                  | 20,131                            | 3,130                              | 8,241                                                          | 86,593                      | 2                         | 45                     |
| 1931              | 4,885                               | 5,270      | 117,924                      | 25,952                                  | 19,392                            | 2,468                              | 9,040                                                          | 96,120                      | 5                         | 82                     |
| 1932              | 4,906                               | 5,967      | 123,741                      | 28,737                                  | 23,216                            | 2,480                              | 12,876                                                         | 104,360                     | 9                         | 218                    |
| 1933              | 5,005                               | 6,400      | 123,039                      | 28,062                                  | 24,621                            | 2,252                              | 13,617                                                         | 90,812                      | 8                         | 603                    |
| 1934              | 3,918                               | 7,833      | 103,268                      | 26,073                                  | 23,413                            | 1,895                              | 7,317                                                          | 66,484                      | 3                         | 136                    |
| 1935              | 4,086                               | 9,238      | 100,355                      | 27,172                                  | 25,562                            | 1,361                              | 7,293                                                          | 77,807                      | 6                         | 331                    |
| Grand total.      | 259,402                             | 126,384    | 1,824,408                    | 253,719                                 | 207,549                           | 48,813                             | 78,479                                                         | 1,625,010                   | 582,945                   | 681,625                |

<sup>1</sup> Includes for 1932 to 1935 disbursements to participants in yellow fever experiments: 1932, \$24,000; 1933, \$26,000; 1934, \$18,000; 1935, \$18,000; total to June 30, 1935, \$85,000.

<sup>2</sup> Includes pension payments to a small number of veterans and dependents of veterans.

<sup>3</sup> Includes the following, with total expenditures to June 30, 1935, in parenthesis: War of the Revolution (\$70,000,000), War of 1812 (\$46,214,000); Indian Wars (\$65,872,000); War with Mexico (\$80,803,000); unclassified (\$16,513,000).

<sup>4</sup> Includes salaries and expenses, printing and binding, all other administrative expenses, medical and hospital services, and State and territorial homes, including expenditures under these items by the former Bureau of Pensions and Bureau of National Homes.

<sup>5</sup> Includes \$644,909,000 expenditures for vocational rehabilitation and \$35,078,000 for Marine and seamen's insurance. Rehabilitation activities of the bureau ceased with the close of the fiscal year 1928.

<sup>6</sup> Credit. <sup>7</sup> Includes disbursements from funds allotted under the National Recovery Act of 1933.

Source: Veterans' Administration.

**No. 153.—NUMBER OF VETERANS AND DECEASED VETERANS WHOSE DEPENDENTS WERE RECEIVING PENSIONS, COMPENSATION, DISABILITY ALLOWANCE, OR EMERGENCY OFFICERS' RETIREMENT PAY, 1866 TO 1935**

| June 30 or year ended June 30— | Number on rolls |         |          | Disbursements (thous. of dollars) | June 30 or year ended June 30— | Number on rolls |         |          | Disbursements (thous. of dollars) |
|--------------------------------|-----------------|---------|----------|-----------------------------------|--------------------------------|-----------------|---------|----------|-----------------------------------|
|                                | Total           | Living  | Deceased |                                   |                                | Total           | Living  | Deceased |                                   |
| 1866.....                      | 126,722         | 55,652  | 71,070   | 15,450                            | 1911.....                      | 892,098         | 570,458 | 321,642  | 157,326                           |
| 1870.....                      | 198,680         | 87,521  | 111,155  | 26,351                            | 1912.....                      | 860,204         | 538,362 | 321,932  | 152,986                           |
| 1875.....                      | 234,821         | 122,989 | 111,832  | 29,270                            | 1913.....                      | 820,200         | 503,633 | 316,567  | 174,172                           |
| 1880.....                      | 250,802         | 145,410 | 105,392  | 56,989                            | 1914.....                      | 786,239         | 470,623 | 314,616  | 172,418                           |
| 1885.....                      | 345,125         | 247,146 | 97,979   | 65,172                            | 1915.....                      | 748,147         | 437,723 | 310,424  | 165,515                           |
| 1890.....                      | 537,944         | 415,654 | 122,290  | 106,094                           | 1916.....                      | 700,572         | 403,372 | 306,200  | 159,155                           |
| 1892.....                      | 876,068         | 708,242 | 173,826  | 139,394                           | 1917.....                      | 673,111         | 370,147 | 302,964  | 160,896                           |
| 1893.....                      | 966,012         | 750,706 | 206,306  | 156,907                           | 1918.....                      | 649,497         | 341,632 | 307,865  | 160,177                           |
| 1894.....                      | 969,544         | 754,382 | 215,162  | 139,987                           | 1919.....                      | 678,832         | 338,216 | 335,616  | 233,461                           |
| 1895.....                      | 970,524         | 751,456 | 219,068  | 139,812                           | 1920.....                      | 799,543         | 419,627 | 349,916  | 316,418                           |
| 1896.....                      | 970,678         | 748,514 | 222,164  | 138,221                           | 1921.....                      | 768,572         | 422,691 | 345,881  | 308,025                           |
| 1897.....                      | 976,014         | 747,492 | 228,522  | 139,950                           | 1922.....                      | 772,379         | 430,942 | 341,437  | 377,158                           |
| 1898.....                      | 963,714         | 748,511 | 235,203  | 144,652                           | 1923.....                      | 778,180         | 436,776 | 341,404  | 388,607                           |
| 1899.....                      | 991,519         | 754,104 | 237,415  | 138,355                           | 1924.....                      | 762,547         | 427,153 | 335,394  | 345,490                           |
| 1900.....                      | 993,529         | 752,610 | 241,019  | 138,462                           | 1925.....                      | 790,139         | 456,530 | 333,609  | 346,748                           |
| 1901.....                      | 997,735         | 748,649 | 249,086  | 138,531                           | 1926.....                      | 807,088         | 472,623 | 334,465  | 372,231                           |
| 1902.....                      | 999,446         | 739,443 | 260,003  | 137,504                           | 1927.....                      | 816,380         | 489,805 | 326,575  | 408,630                           |
| 1903.....                      | 996,545         | 729,356 | 267,189  | 137,760                           | 1928.....                      | 834,364         | 516,568 | 317,798  | 410,765                           |
| 1904.....                      | 994,762         | 720,921 | 273,841  | 141,094                           | 1929.....                      | 831,964         | 525,961 | 306,003  | 418,821                           |
| 1905.....                      | 998,441         | 717,761 | 280,680  | 141,143                           | 1930.....                      | 840,833         | 542,610 | 298,223  | 415,433                           |
| 1906.....                      | 985,971         | 701,483 | 284,488  | 139,000                           | 1931.....                      | 1,079,987       | 790,782 | 289,205  | 488,839                           |
| 1907.....                      | 967,371         | 680,479 | 286,992  | 138,155                           | 1932.....                      | 1,278,046       | 994,351 | 283,695  | 545,777                           |
| 1908.....                      | 951,687         | 668,581 | 293,106  | 153,093                           | 1933.....                      | 1,270,667       | 997,918 | 272,749  | 560,559                           |
| 1909.....                      | 946,194         | 633,035 | 313,150  | 161,974                           | 1934.....                      | 838,855         | 581,225 | 257,630  | 321,377                           |
| 1910.....                      | 921,083         | 602,622 | 318,461  | 159,974                           | 1935.....                      | 838,937         | 585,955 | 252,982  | 374,407                           |

**NUMBER ON ROLLS BY WARS \***

| June 30—  | Total veterans, all wars and peace time |         |          | War with Mexico |          | Indian wars |          | Civil War |          | Spanish-American War |          |
|-----------|-----------------------------------------|---------|----------|-----------------|----------|-------------|----------|-----------|----------|----------------------|----------|
|           | Total                                   | Living  | Deceased | Living          | Deceased | Living      | Deceased | Living    | Deceased | Living               | Deceased |
| 1920..... | 769,543                                 | 419,627 | 349,916  | 148             | 2,423    | 3,745       | 2,483    | 243,629   | 290,100  | 23,144               | 7,288    |
| 1925..... | 790,139                                 | 456,530 | 333,609  | 17              | 1,287    | 3,924       | 3,064    | 126,620   | 241,193  | 101,871              | 18,363   |
| 1929..... | 831,964                                 | 525,961 | 306,003  | 1               | 730      | 5,574       | 4,000    | 59,984    | 181,235  | 179,215              | 28,643   |
| 1930..... | 840,833                                 | 542,610 | 298,223  | —               | 680      | 6,454       | 4,161    | 49,018    | 167,074  | 186,811              | 30,919   |
| 1931..... | 1,079,987                               | 790,782 | 289,205  | —               | 547      | 6,360       | 4,302    | 39,449    | 153,437  | 193,792              | 33,437   |
| 1932..... | 1,278,046                               | 994,351 | 283,695  | —               | 478      | 6,102       | 4,463    | 31,060    | 139,624  | 197,073              | 30,802   |
| 1933..... | 1,270,667                               | 997,918 | 272,749  | —               | 415      | 4,774       | 4,446    | 23,877    | 125,638  | 194,473              | 38,797   |
| 1934..... | 838,855                                 | 581,225 | 257,630  | —               | 351      | 4,370       | 4,600    | 18,456    | 112,577  | 165,231              | 35,022   |
| 1935..... | 838,937                                 | 585,955 | 252,982  | —               | 294      | 3,899       | 4,745    | 13,273    | 100,290  | 164,502              | 39,046   |

| June 30—  | Peace time |          |         | World War |                                  |                                    |                                    |          |          |                   |                       |
|-----------|------------|----------|---------|-----------|----------------------------------|------------------------------------|------------------------------------|----------|----------|-------------------|-----------------------|
|           | Living     | Deceased | Total   | Living    |                                  |                                    |                                    | Deceased |          |                   |                       |
|           |            |          |         | Pensions  | Compensation (service-connected) | Emergency officers' retirement pay | Disability allowance (non-service) | Total    | Pensions | Service-connected | Non-service-connected |
| 1920..... | 14,477     | 4,554    | 134,484 | 76        | 134,408                          | —                                  | —                                  | 42,997   | 52       | 42,945            | —                     |
| 1925..... | 12,399     | 3,762    | 211,093 | 49        | 211,044                          | —                                  | —                                  | 65,970   | 21       | 65,958            | —                     |
| 1928..... | 13,665     | 3,555    | 257,583 | 47        | 257,536                          | —                                  | —                                  | 85,651   | 17       | 85,634            | —                     |
| 1929..... | 14,758     | 3,099    | 266,426 | 46        | 262,138                          | 4,243                              | —                                  | 87,085   | 17       | 87,068            | —                     |
| 1930..... | 15,661     | 3,830    | 285,666 | 44        | 279,539                          | 6,083                              | —                                  | 90,959   | 15       | 90,944            | —                     |
| 1931..... | 16,920     | 4,128    | 335,261 | 41        | 299,288                          | 6,364                              | 228,568                            | 93,346   | 12       | 93,334            | —                     |
| 1932..... | 18,391     | 4,571    | 742,696 | 38        | 328,668                          | 6,415                              | 407,584                            | 97,400   | 12       | 97,418            | —                     |
| 1933..... | 19,559     | 4,307    | 755,235 | 36        | 336,710                          | 6,007                              | 412,432                            | 98,639   | 11       | 98,628            | —                     |
| 1934..... | 29,484     | 5,836    | 363,685 | —         | 332,216                          | 1,566                              | 29,903                             | 99,229   | —        | 99,229            | —                     |
| 1935..... | 32,124     | 7,240    | 372,157 | —         | 336,878                          | 1,677                              | 33,614                             | 101,364  | —        | 99,394            | 1,970                 |

\* The reduction in this item from the prior fiscal year was due essentially to discontinuance of disability allowances (non-service) except for veterans permanently and totally disabled.

\* For disbursements by wars see table 152.

\* Includes veterans of the War of 1812 whose dependents were receiving pensions (4 for 1935) not shown separately.

\* Under act approved June 23, 1934.

Source: Veterans' Administration.

**No. 154.—PENSIONS, COMPENSATION, DISABILITY ALLOWANCE, AND EMERGENCY OFFICERS' RETIREMENT PAY: ANNUAL AVERAGE VALUE OF PAYMENTS TO VETERANS AND DEPENDENTS OF DECEASED VETERANS AT THE END OF THE YEAR FOR EACH WAR**

| June 30— | Average for veterans of all wars and peace time |        |          | War of 1812 | War with Mexico |        |          | Indian wars |        |          | Civil War |        |          |
|----------|-------------------------------------------------|--------|----------|-------------|-----------------|--------|----------|-------------|--------|----------|-----------|--------|----------|
|          | Total                                           | Living | Deceased | Deceased    | Total           | Living | Deceased | Total       | Living | Deceased | Total     | Living | Deceased |
| 1910---- | \$172                                           | \$184  | \$140    | \$151       | \$167           | \$238  | \$144    | \$132       | \$110  | \$144    | \$174     | \$187  | \$148    |
| 1915---- | 215                                             | 263    | 148      | 149         | 175             | 356    | 146      | 168         | 230    | 145      | 220       | 275    | 147      |
| 1920---- | 358                                             | 422    | 280      | 283         | 240             | 414    | 230      | 203         | 240    | 149      | 359       | 452    | 281      |
| 1925---- | 408                                             | 454    | 344      | 360         | 363             | 700    | 359      | 202         | 243    | 149      | 477       | 699    | 380      |
| 1929---- | 474                                             | 513    | 407      | 567         | 587             | 864    | 587      | 445         | 506    | 359      | 560       | 850    | 451      |
| 1930---- | 475                                             | 514    | 404      | 540         | 536             | -----  | 586      | 446         | 513    | 359      | 542       | 852    | 452      |
| 1931---- | 441                                             | 451    | 411      | 525         | 531             | -----  | 581      | 448         | 519    | 359      | 504       | 1,076  | 470      |
| 1932---- | 408                                             | 409    | 404      | 514         | 584             | -----  | 584      | 450         | 530    | 359      | 581       | 1,087  | 489      |
| 1933---- | 400                                             | 400    | 402      | 514         | 582             | -----  | 582      | 449         | 533    | 358      | 567       | 1,087  | 488      |
| 1934---- | 432                                             | 452    | 385      | 514         | 581             | -----  | 581      | 443         | 534    | 357      | 551       | 1,078  | 485      |
| 1935---- | 428                                             | 448    | 383      | 510         | 579             | -----  | 579      | 435         | 529    | 358      | 533       | 1,060  | 493      |

| June 30— | Spanish-American War |        |          | Peace time |        |          | World War          |                    |                                  |                                     |                                    |          |              |
|----------|----------------------|--------|----------|------------|--------|----------|--------------------|--------------------|----------------------------------|-------------------------------------|------------------------------------|----------|--------------|
|          | Total                | Living | Deceased | Total      | Living | Deceased | Total <sup>1</sup> | Living             |                                  |                                     |                                    | Deceased |              |
|          |                      |        |          |            |        |          |                    | Total <sup>1</sup> | Compensation (Service connected) | Disability allowance or non-service | Emergency officers' retirement pay | Total    | Compensation |
|          |                      |        |          |            |        |          |                    |                    |                                  |                                     |                                    |          |              |
| 1910---- | \$128                | \$121  | \$159    | \$173      | \$166  | \$197    | -----              | -----              | -----                            | -----                               | -----                              | -----    | -----        |
| 1915---- | 134                  | 120    | 160      | 176        | 169    | 200      | -----              | -----              | -----                            | -----                               | -----                              | -----    | -----        |
| 1920---- | 142                  | 132    | 175      | 181        | 173    | 204      | \$417              | \$449              | \$449                            | -----                               | -----                              | \$316    | \$316        |
| 1925---- | 206                  | 193    | 278      | 198        | 192    | 219      | 421                | 453                | 453                              | -----                               | -----                              | 317      | 317          |
| 1929---- | 376                  | 373    | 391      | 219        | 218    | 223      | 408                | 547                | 529                              | -----                               | \$1,688                            | 330      | 330          |
| 1930---- | 389                  | 389    | 389      | 232        | 235    | 219      | 499                | 553                | 529                              | -----                               | 1,682                              | 331      | 331          |
| 1931---- | 400                  | 473    | 385      | 234        | 237    | 221      | 393                | 403                | 533                              | 199                                 | 1,687                              | 335      | 335          |
| 1932---- | 402                  | 516    | 363      | 236        | 241    | 218      | 353                | 365                | 529                              | 133                                 | 1,683                              | 338      | 338          |
| 1933---- | 499                  | 523    | 381      | 230        | 236    | 208      | 349                | 350                | 524                              | 189                                 | 1,654                              | 336      | 336          |
| 1934---- | 371                  | 300    | 285      | 226        | 220    | 260      | 439                | 467                | 476                              | 307                                 | 1,617                              | 337      | 337          |
| 1935---- | 368                  | 358    | 286      | 234        | 224    | 280      | 445                | 472                | 481                              | 315                                 | 1,628                              | 348      | \$359        |

<sup>1</sup> In computing these averages, pensions paid to a small number of veterans (see table 153) were included.  
<sup>2</sup> The decrease in the averages for 1931 and 1932 was due to the addition to the roll of a large number of veterans receiving disability allowance for nonservice-connected disabilities at a lower annual average value, and the increase in 1934 to the discontinuance of the disability allowance to approximately 400,000 veterans.

**No. 155.—TERM AND CONVERTED INSURANCE AWARDS**

|                                              | Total to<br>June 30,<br>1935 | Year ended June 30— |         |         |         |         |
|----------------------------------------------|------------------------------|---------------------|---------|---------|---------|---------|
|                                              |                              | 1931                | 1932    | 1933    | 1934    | 1935    |
| Number of awards made during period or year: |                              |                     |         |         |         |         |
| Term and automatic insurance—                |                              |                     |         |         |         |         |
| Total original awards                        | 193,585                      | 1,407               | 2,251   | 1,481   | 365     | 606     |
| Original death                               | 154,917                      | 312                 | 204     | 130     | 25      | 128     |
| Original disability                          | 38,668                       | 1,095               | 2,047   | 1,351   | 340     | 476     |
| Disability changed to death                  | 21,355                       | 654                 | 1,050   | 948     | 451     | 437     |
| Converted insurance—                         |                              |                     |         |         |         |         |
| Total original awards                        | 38,030                       | 3,510               | 3,825   | 3,721   | 3,702   | 3,572   |
| Original death                               | 24,130                       | 2,147               | 2,285   | 2,356   | 2,231   | 2,427   |
| Original disability                          | 13,900                       | 1,363               | 1,540   | 1,365   | 1,471   | 1,145   |
| Disability changed to death                  | 3,668                        | 363                 | 370     | 435     | 457     | 451     |
| Number of awards active at end of year:      |                              |                     |         |         |         |         |
| Term and automatic insurance                 |                              |                     |         |         |         |         |
| Death                                        |                              | 152,982             | 153,268 | 151,464 | 148,267 | 145,126 |
| Disability                                   |                              | 140,369             | 139,285 | 137,027 | 134,277 | 131,442 |
| Converted insurance                          |                              | 12,613              | 14,003  | 14,437  | 13,990  | 13,684  |
| Death                                        |                              | 8,025               | 9,443   | 10,773  | 12,076  | 13,169  |
| Disability                                   |                              | 2,016               | 2,251   | 2,722   | 3,222   | 3,764   |
|                                              |                              | 6,009               | 7,162   | 8,051   | 8,854   | 9,445   |

Source of tables 154 and 155: Veterans' Administration.



## No. 156.—GOVERNMENT LIFE INSURANCE IN FORCE AND PREMIUMS PAID

[Amounts in thousands of dollars]

| June 30 or year ended June 30— | Insurance policies in force June 30 |           |                                 |           |                                 |           | Premiums paid during year   |                       |
|--------------------------------|-------------------------------------|-----------|---------------------------------|-----------|---------------------------------|-----------|-----------------------------|-----------------------|
|                                | Total                               |           | Yearly renewable term insurance |           | U. S. Government life insurance |           | Term insurance <sup>1</sup> | U. S. Government life |
|                                | Number                              | Amount    | Number                          | Amount    | Number                          | Amount    |                             |                       |
| 1921.....                      | 651,054                             | 3,849,376 | 397,890                         | 2,980,660 | 263,164                         | 868,716   | 68,783                      | 22,272                |
| 1922.....                      | 581,778                             | 3,348,400 | 300,926                         | 2,314,694 | 280,852                         | 1,033,737 | 21,200                      | 26,894                |
| 1923.....                      | 560,005                             | 3,070,210 | 240,291                         | 1,864,146 | 319,774                         | 1,216,064 | 16,141                      | 30,919                |
| 1924.....                      | 562,600                             | 2,984,673 | 209,385                         | 1,609,031 | 363,215                         | 1,375,543 | 14,604                      | 35,345                |
| 1925.....                      | 552,340                             | 2,865,029 | 177,328                         | 1,372,091 | 376,012                         | 1,492,937 | 13,489                      | 39,388                |
| 1926.....                      | 553,060                             | 2,781,587 | 130,103                         | 1,008,511 | 423,557                         | 1,773,078 | 10,458                      | 44,417                |
| 1927.....                      | 587,980                             | 2,893,045 | 87,100                          | 672,075   | 600,880                         | 2,220,970 | 6,764                       | 54,048                |
| 1928.....                      | 660,374                             | 3,113,649 | 288                             | 1,554     | 660,108                         | 3,111,995 | 1,374                       | 71,113                |
| 1929.....                      | 650,066                             | 3,069,919 | 229                             | 1,342     | 649,837                         | 3,058,677 | 552                         | 69,263                |
| 1930.....                      | 648,243                             | 3,042,743 | 204                             | 1,142     | 648,044                         | 3,041,601 | 1,032                       | 67,108                |
| 1931.....                      | 646,056                             | 3,024,445 | 91                              | 606       | 645,964                         | 3,023,638 | 208                         | 69,201                |
| 1932.....                      | 641,247                             | 2,977,330 | 29                              | 246       | 641,218                         | 2,977,083 | 258                         | 67,663                |
| 1933.....                      | 616,099                             | 2,782,709 | -----                           | -----     | 616,099                         | 2,782,709 | 246                         | 67,962                |
| 1934.....                      | 598,226                             | 2,666,733 | -----                           | -----     | 598,226                         | 2,666,733 | 104                         | 68,241                |
| 1935.....                      | 590,865                             | 2,605,400 | 121                             | 389       | 590,744                         | 2,605,011 | 176                         | 64,950                |

<sup>1</sup> Net premiums.

## No. 157.—GOVERNMENT LIFE INSURANCE: CONVERTED INSURANCE ISSUED AND IN FORCE, BY PLAN

| Plan                            | Issued to June 30, 1935 |                              |                   |                  |        | In force June 30, 1935 |                               |
|---------------------------------|-------------------------|------------------------------|-------------------|------------------|--------|------------------------|-------------------------------|
|                                 | Number                  | Amount<br>(1,000<br>dollars) | Average<br>policy | Percent of total |        | Number                 | Amount.<br>(1,000<br>dollars) |
|                                 |                         |                              |                   | Number           | Amount |                        |                               |
| Total.....                      | 930,508                 | 4,087,634                    | 4,383             | 100.00           | 100.00 | 598,435                | 2,830,287                     |
| Ordinary life.....              | 195,523                 | 976,454                      | 4,904             | 21.01            | 23.89  | 134,067                | 701,641                       |
| 20-payment life.....            | 225,454                 | 931,876                      | 4,133             | 24.23            | 22.80  | 157,079                | 670,190                       |
| 30-payment life.....            | 35,523                  | 173,806                      | 4,977             | 3.82             | 4.32   | 27,975                 | 142,494                       |
| 20-year endowment.....          | 225,114                 | 597,629                      | 2,620             | 24.51            | 14.62  | 105,229                | 304,585                       |
| 30-year endowment.....          | 44,494                  | 185,837                      | 4,177             | 4.78             | 4.55   | 30,922                 | 132,367                       |
| Endowment at age 62.....        | 43,965                  | 205,723                      | 4,718             | 4.60             | 5.03   | 32,143                 | 154,230                       |
| 5-year convertible term.....    | 145,063                 | 960,350                      | 6,520             | 16.59            | 23.49  | 80,478                 | 382,590                       |
| Duration less than 5 years..... |                         |                              |                   |                  |        | 14,206                 | 90,938                        |
| Duration more than 5 years..... |                         |                              |                   |                  |        | 23,713                 | 130,845                       |
| Renewed, second period.....     |                         |                              |                   |                  |        | 22,559                 | 151,807                       |
| 5-year level premium term.....  | 12,732                  | 52,959                       | 4,160             | 1.37             | 1.30   | 9,498                  | 38,940                        |
| Extended insurance.....         |                         |                              |                   |                  |        | 32,961                 | 99,931                        |
| Paid-up life.....               |                         |                              |                   |                  |        | 1,877                  | 2,325                         |
| Paid-up endowment.....          |                         |                              |                   |                  |        | 1,206                  | 994                           |

## No. 158.—GOVERNMENT LIFE INSURANCE FUND: FINANCIAL STATEMENT OF FUNDS FROM ORIGIN, MAY 31, 1919, TO DECEMBER 31, 1934

[All figures in thousands of dollars]

|                                                                                    | Total to Dec. 31, 1934 | Year ended Dec. 31, 1934 |                                                                                          | Total to Dec. 31, 1934 | Year ended Dec. 31, 1934 |
|------------------------------------------------------------------------------------|------------------------|--------------------------|------------------------------------------------------------------------------------------|------------------------|--------------------------|
| Income, total.....                                                                 | 1,158,487              | 118,263                  | Disbursements—Continued.                                                                 | -----                  | -----                    |
| Premiums.....                                                                      | 778,134                | 87,801                   | Paid on supplementary installment contracts under                                        | -----                  | -----                    |
| Interest.....                                                                      | 200,660                | 31,333                   | claims.....                                                                              | 48,058                 | 9,266                    |
| Received from U. S. on account of extra hazards of military and naval service..... | 72,702                 | 5,201                    | Other disbursements.....                                                                 | 14,712                 | 2,142                    |
| Consideration of supplementary installment contracts under claims.....             | 95,972                 | 11,722                   | Ledger assets Dec. 31, 1934, as per "balance" under income and disbursements, total..... | 724,272                | -----                    |
| Other income.....                                                                  | 11,118                 | 212                      | Book value of bonds, amortized.....                                                      | 155,148                | -----                    |
| Disbursements, total.....                                                          | 434,215                | 61,235                   | Policy loans.....                                                                        | 121,680                | -----                    |
| Claims (death and total permanent disability).....                                 | 203,210                | 20,624                   | Adjusted-service certificate loans.....                                                  | 439,797                | -----                    |
| Surrender values.....                                                              | 105,955                | 23,257                   | Cash on hand.....                                                                        | 7,646                  | -----                    |
| Dividends paid policyholders.....                                                  | 80,285                 | 5,945                    |                                                                                          |                        |                          |

Source of tables 156, 157, and 158: Veterans' Administration.

**No. 159.—ADJUSTED COMPENSATION AWARDS: STATUS AS OF FEB. 29, 1936**

NOTE.—Amounts in thousands of dollars. The Adjusted Compensation Payment Act, 1933, provided for payment of adjusted service certificates on or after June 15, 1936

|                             | Number    | Amount    |                                                       | Number     | Amount    |
|-----------------------------|-----------|-----------|-------------------------------------------------------|------------|-----------|
| Total awards.....           | 4,034,512 | 3,735,815 | Payments on certificates matu-<br>rured by death..... | 225,064    | 224,385   |
| Dependents.....             | 134,376   | 46,433    | Certificates in force.....                            | 3,514,931  | 3,456,624 |
| Less than \$50 (cash).....  | 9,953     | 270       | Certificates pledged as security<br>for loans.....    | 12,907,243 |           |
| \$50 or over.....           | 124,423   | 42,850    | Loans outstanding:                                    |            |           |
| \$60 lump-sum payments..... | 3,900,136 | 3,659,331 | Principal.....                                        | 1,671,517  |           |
| Veterans.....               | 180,171   | 5,372     | Interest.....                                         | 46,513     |           |
| \$50 or less (cash).....    | 3,739,965 | 3,684,009 |                                                       |            |           |
| Certificates.....           |           |           |                                                       |            |           |

<sup>1</sup> Does not include loans made by banks which have not yet been redeemed by the Veterans' Administration estimated to number 120,000, amounting to \$50,000,000.

**No. 160.—UNITED STATES VETERANS RECEIVING HOSPITAL OR DOMICILIARY CARE AUTHORIZED BY THE VETERANS' ADMINISTRATION**

NOTE.—During the fiscal year 1935, a total of 804,406 out-patient treatments and 885,340 out-patient examinations were made. On June 30, 1935, there were 3,932 veterans domiciled in State and territorial homes who were eligible for care in facilities controlled by the Veterans' Administration and for whose care the Federal Government reimburses these homes at the rate of \$120 per year for each person

| Year ended June 30— | Total receiving hospital or domiciliary care at end of year <sup>1</sup> | Veterans receiving hospital treatment, all facilities and hospitals <sup>2</sup> |                                   |              |                   | Veterans receiving domiciliary care at end of year <sup>1</sup> | Veterans' Administration facilities |                        |                                    |                                      |                                |                                   |
|---------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------|--------------|-------------------|-----------------------------------------------------------------|-------------------------------------|------------------------|------------------------------------|--------------------------------------|--------------------------------|-----------------------------------|
|                     |                                                                          | Average daily patients                                                           | Patients remaining at end of year |              |                   |                                                                 | Hospital                            |                        |                                    | Domiciliary                          |                                |                                   |
|                     |                                                                          |                                                                                  | Total                             | Tuberculosis | Neuro-psychiatric |                                                                 | General                             | Average daily patients | Operating expenses (1,000 dollars) | Per diem cost (dollars) <sup>3</sup> | Average daily domiciliary care | Operating expenses (1,000 dolls.) |
|                     |                                                                          |                                                                                  |                                   |              |                   |                                                                 |                                     |                        |                                    |                                      |                                |                                   |
| 1919.....           | -----                                                                    | 3,279                                                                            | 1,362                             | 1,053        | 864               | -----                                                           | -----                               | -----                  | -----                              | -----                                | -----                          |                                   |
| 1920.....           | -----                                                                    | 17,471                                                                           | 6,018                             | 5,042        | 6,411             | -----                                                           | -----                               | -----                  | -----                              | -----                                | -----                          |                                   |
| 1921.....           | -----                                                                    | 26,237                                                                           | 10,337                            | 7,499        | 8,401             | -----                                                           | -----                               | -----                  | -----                              | -----                                | -----                          |                                   |
| 1922.....           | 27,840                                                                   | 26,869                                                                           | 10,849                            | 9,231        | 6,789             | -----                                                           | 13,607                              | 23,531                 | 4.74                               | -----                                | -----                          |                                   |
| 1923.....           | 24,526                                                                   | 23,611                                                                           | 9,577                             | 9,194        | 4,840             | -----                                                           | 11,882                              | 21,658                 | 4.99                               | -----                                | -----                          |                                   |
| 1924.....           | 22,098                                                                   | 21,730                                                                           | 8,082                             | 9,461        | 4,187             | -----                                                           | 11,530                              | 19,188                 | 4.55                               | -----                                | -----                          |                                   |
| 1925.....           | 27,447                                                                   | 26,610                                                                           | 9,314                             | 11,905       | 5,391             | -----                                                           | 16,855                              | 23,354                 | 4.04                               | -----                                | -----                          |                                   |
| 1926.....           | 27,012                                                                   | 24,915                                                                           | 7,308                             | 12,220       | 5,387             | -----                                                           | 16,567                              | 25,322                 | 4.10                               | -----                                | -----                          |                                   |
| 1927.....           | 26,386                                                                   | 25,310                                                                           | 6,658                             | 12,538       | 6,114             | -----                                                           | 17,305                              | 25,282                 | 4.00                               | -----                                | -----                          |                                   |
| 1928.....           | 26,300                                                                   | 25,899                                                                           | 6,045                             | 12,839       | 7,015             | -----                                                           | 17,801                              | 26,091                 | 4.00                               | -----                                | -----                          |                                   |
| 1929.....           | 27,642                                                                   | 27,487                                                                           | 6,121                             | 13,461       | 7,905             | -----                                                           | 19,245                              | 28,178                 | 4.01                               | -----                                | -----                          |                                   |
| 1930.....           | 20,513                                                                   | 30,311                                                                           | 5,274                             | 14,941       | 9,096             | -----                                                           | 20,233                              | 28,620                 | 3.84                               | -----                                | -----                          |                                   |
| 1931.....           | 51,980                                                                   | 32,713                                                                           | 34,948                            | 6,103        | 17,001            | 11,754                                                          | 417,032                             | 22,297                 | 30,414                             | 3.72                                 | -----                          |                                   |
| 1932.....           | 62,255                                                                   | 42,448                                                                           | 43,507                            | 6,490        | 20,100            | 16,908                                                          | 18,688                              | 25,046                 | 31,996                             | 3.44                                 | -----                          |                                   |
| 1933.....           | 44,644                                                                   | 42,626                                                                           | 33,457                            | 5,425        | 20,109            | 7,923                                                           | 11,187                              | 32,660                 | 33,391                             | 3.74                                 | -----                          |                                   |
| 1934.....           | 48,840                                                                   | 36,192                                                                           | 39,445                            | 5,032        | 22,226            | 12,187                                                          | 9,404                               | 35,220                 | 32,620                             | 2.51                                 | 16,190                         |                                   |
| 1935.....           | 51,922                                                                   | 41,172                                                                           | 42,599                            | 5,134        | 23,358            | 14,107                                                          | 9,323                               | 39,030                 | 39,856                             | 2.78                                 | 3,649<br>4,024                 |                                   |

**VETERANS UNDER HOSPITAL OR DOMICILIARY CARE, BY CLASS OF BENEFICIARY**

| Type of care and year (June 30) | All wars and peace time |                   |             | World War |                   |                          | Spanish-American | Civil War | All other wars | Peace-time service |
|---------------------------------|-------------------------|-------------------|-------------|-----------|-------------------|--------------------------|------------------|-----------|----------------|--------------------|
|                                 | Total                   | Service connected | Non-service | Total     | Service connected | Non-service <sup>4</sup> |                  |           |                |                    |
| Hospital treatment:             |                         |                   |             |           |                   |                          |                  |           |                |                    |
| 1925.....                       | 26,610                  | 22,771            | 3,839       | 26,029    | 22,771            | 3,258                    | 564              |           | 17             |                    |
| 1930.....                       | 30,311                  | 16,219            | 14,092      | 28,850    | 15,297            | 13,553                   | 1,313            | 79        | 69             |                    |
| 1932.....                       | 43,567                  | 15,460            | 28,107      | 40,174    | 15,460            | 24,714                   | 2,187            | 366       | 137            | 703                |
| 1933.....                       | 33,457                  | 14,080            | 19,377      | 30,670    | 14,080            | 16,590                   | 1,812            | 258       | 86             | 631                |
| 1934.....                       | 39,445                  | 12,390            | 27,055      | 35,754    | 11,799            | 23,955                   | 2,229            | 194       | 97             | 1,171              |
| 1935.....                       | 42,599                  | 12,046            | 30,553      | 38,033    | 10,746            | 27,287                   | 2,369            | 117       | 70             | 2,010              |
| Domiciliary care: <sup>1</sup>  |                         |                   |             |           |                   |                          |                  |           |                |                    |
| 1932.....                       | 18,688                  | (?)               | (?)         | 13,005    | (?)               | (?)                      | 3,210            | 281       |                | 2,192              |
| 1933.....                       | 11,187                  | (?)               | (?)         | 7,995     | (?)               | (?)                      | 2,162            | 115       | 3              | 912                |
| 1934.....                       | 9,404                   | (?)               | (?)         | 7,214     | 752               | 6,462                    | 1,465            | 53        | 42             | 630                |
| 1935.....                       | 9,323                   | 919               | 8,404       | 7,466     | 727               | 6,739                    | 1,286            | 36        | 41             | 494                |

<sup>1</sup> Veterans' homes were not under the jurisdiction of the Veterans' Administration prior to July 1930.

<sup>2</sup> Includes Veterans' Admin. beneficiaries cared for in Army, Navy, Marine, and State and civil (contract) hospitals, St. Elizabeths, and hospitals operated in connection with National Veterans' homes.

<sup>3</sup> Excludes hospitals which operated for only part of the year under unusual conditions.

<sup>4</sup> Includes domiciliary members receiving hospital treatment.

<sup>5</sup> Beginning 1933, figures include hospitals operated in connection with Veterans' Admin. homes.

<sup>6</sup> Includes emergency, observation, and unclassified cases.

<sup>7</sup> Not available.

Source of tables 159 and 160: Veterans' Administration.

## No. 161.—RETIREMENT OF FEDERAL MILITARY PERSONNEL AND OTHER SPECIAL CLASSES OF FEDERAL EMPLOYEES

**NOTE.**—Retired pay in thousands of dollars. With the exception of foreign service officers, who contribute 5 percent of their pay to the foreign service retirement fund, the personnel covered in this table make no direct contribution to their retirement pay

| Year ended June 30 | Army                        |             | Navy                        |             | Marine Corps                |             | Coast Guard <sup>2</sup>    |             | Other <sup>4</sup>          |             |
|--------------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|
|                    | Number on roll <sup>1</sup> | Retired pay | Number on roll <sup>2</sup> | Retired pay | Number on roll <sup>1</sup> | Retired pay | Number on roll <sup>2</sup> | Retired pay | Number on roll <sup>1</sup> | Retired pay |
| 1929.....          | 11,469                      | 18,664      | 3,138                       | 6,693       | 571                         | 1,004       | 781                         | 1,071       | 307                         | 614         |
| 1930.....          | 11,880                      | 19,657      | 3,515                       | 7,295       | 624                         | 1,079       | 804                         | 1,123       | 425                         | 677         |
| 1931.....          | 12,152                      | 20,303      | 4,112                       | 8,251       | 718                         | 1,205       | 826                         | 1,124       | 467                         | 738         |
| 1932.....          | 12,532                      | 21,004      | 4,611                       | 9,027       | 756                         | 1,316       | 1,072                       | 1,289       | 505                         | 846         |
| 1933.....          | 12,811                      | 20,218      | 5,176                       | 9,151       | 797                         | 1,276       | 1,138                       | 1,260       | 558                         | 893         |
| 1934.....          | 13,332                      | 19,344      | 5,945                       | 10,059      | 825                         | 1,251       | 1,207                       | 1,253       | 636                         | 992         |
| 1935.....          | 14,161                      | 23,444      | 6,869                       | 11,937      | 894                         | 1,480       | 1,255                       | 1,455       | 671                         | 1,146       |

<sup>1</sup> Number on roll June 30.

<sup>2</sup> Average number on roll.

<sup>3</sup> Includes commissioned officers, enlisted men, and certain members of the former Life Saving Service.

<sup>4</sup> Includes officers and employees engaged in field service or on vessels of the Lighthouse Service, except persons continuously employed in district offices and shops; commissioned officers of the Coast and Geodetic Survey and Public Health Service; Foreign Service officers (State Dept.); and retired judges.

## No. 162.—FEDERAL SERVICE: SUMMARY OF EMPLOYMENT AND PAY ROLLS [Pay roll in thousands of dollars]

| Year and month | Total                  |           | Executive service    |           | Military service <sup>1</sup> |          | Judicial service   |          | Legislative service |          |
|----------------|------------------------|-----------|----------------------|-----------|-------------------------------|----------|--------------------|----------|---------------------|----------|
|                | Em-<br>ployees         | Pay roll  | Em-<br>ployees       | Pay roll  | Em-<br>ployees                | Pay roll | Em-<br>ployees     | Pay roll | Em-<br>ployees      | Pay roll |
| 1934.....      | <sup>2</sup> 633,690   | 1,364,420 | <sup>2</sup> 670,854 | 1,115,563 | <sup>2</sup> 256,295          | 231,021  | <sup>2</sup> 1,824 | 5,317    | <sup>2</sup> 4,719  | 12,520   |
| 1935.....      | <sup>2</sup> 1,018,567 | 1,623,458 | <sup>2</sup> 747,407 | 1,350,853 | <sup>2</sup> 267,380          | 252,997  | <sup>2</sup> 1,843 | 5,703    | <sup>2</sup> 4,938  | 13,905   |
| January.....   | 956,027                | 120,244   | 688,221              | 98,341    | 261,254                       | 20,362   | 1,830              | 463      | 4,722               | 1,077    |
| February.....  | 962,045                | 120,570   | 695,020              | 98,935    | 260,478                       | 20,102   | 1,812              | 453      | 4,735               | 1,081    |
| March.....     | 964,867                | 122,504   | 699,617              | 100,985   | 258,650                       | 19,978   | 1,831              | 455      | 4,759               | 1,087    |
| April.....     | 973,636                | 128,272   | 710,450              | 106,744   | 256,491                       | 19,899   | 1,869              | 476      | 4,830               | 1,153    |
| May.....       | 973,688                | 130,849   | 712,592              | 107,752   | 254,340                       | 21,462   | 1,879              | 475      | 4,877               | 1,160    |
| June.....      | 983,371                | 132,269   | 718,235              | 109,300   | 258,410                       | 21,364   | 1,854              | 449      | 4,871               | 1,155    |
| July.....      | 1,003,728              | 133,811   | 735,881              | 111,467   | 261,067                       | 20,689   | 1,766              | 473      | 5,014               | 1,181    |
| August.....    | 1,046,461              | 140,297   | 770,123              | 117,776   | 269,459                       | 20,846   | 1,732              | 471      | 5,147               | 1,204    |
| September..... | 1,070,354              | 142,461   | 787,424              | 118,623   | 275,964                       | 21,836   | 1,829              | 488      | 5,137               | 1,206    |
| October.....   | 1,086,357              | 147,646   | 797,698              | 124,047   | 281,654                       | 21,894   | 1,885              | 495      | 5,120               | 1,210    |
| November.....  | 1,093,479              | 148,225   | 801,398              | 124,204   | 285,117                       | 22,264   | 1,901              | 493      | 5,063               | 1,204    |
| December.....  | 1,108,804              | 156,320   | 816,223              | 132,319   | 285,673                       | 22,302   | 1,933              | 612      | 4,975               | 1,187    |

<sup>1</sup> These figures include in addition to officers and enlisted men in the Army, Navy, and Marine Corps, nurses in active service, midshipmen at the United States Naval Academy, and the Coast Guard.

<sup>2</sup> Average of monthly figures.

## No. 163.—EMPLOYEES IN THE FEDERAL EXECUTIVE CIVIL SERVICE

**NOTE.**—This statement does not include the legislative, judicial, or military branches of the Federal Government or employees of the District of Columbia. It includes employees in both classified positions (subject to competitive examination under civil service law) and unclassified positions (excepted from competitive examination by law and executive order). The approximate number of classified positions are shown separately in table 165.

| June 30—  | Total number <sup>1</sup> | June 30—  | Total number <sup>1</sup> | June 30 (except as indicated)— | Total number | In Dist. of Col. | Outside Dist. of Col. | Per-<br>manent | Tem-<br>porary |
|-----------|---------------------------|-----------|---------------------------|--------------------------------|--------------|------------------|-----------------------|----------------|----------------|
| 1816..... | 6,327                     | 1915..... | 461,993                   | 1928.....                      | 540,857      | 61,338           | 479,479               | 504,030        | 36,837         |
| 1821..... | 8,211                     | 1916..... | 438,057                   | 1929.....                      | 559,579      | 63,904           | 495,675               | 520,967        | 38,612         |
| 1831..... | 19,800                    | 1918..... | 517,760                   | 1930.....                      | 580,494      | 68,510           | 511,984               | 528,926        | 51,568         |
| 1841..... | 23,700                    | 1920..... | 561,116                   | 1931.....                      | 588,206      | 71,693           | 516,513               | 639,596        | 48,610         |
| 1851..... | 33,300                    | 1921..... | 562,252                   | 1932.....                      | 583,193      | 68,793           | 514,403               | 543,517        | 39,679         |
| 1861..... | 49,200                    | 1922..... | 527,517                   | 1933.....                      | 572,091      | 65,437           | 506,654               | 531,564        | 40,527         |
| 1871..... | 53,900                    | 1923..... | 515,772                   | 1934—June 30.....              | 673,095      | 80,132           | 593,963               | 581,384        | 91,711         |
| 1881..... | 107,000                   | 1924..... | 521,641                   | Dec. 31.....                   | 685,495      | 95,462           | 590,033               | 596,274        | 89,221         |
| 1891..... | 166,000                   | 1925..... | 532,798                   | 1935—June 30.....              | 719,440      | 103,453          | 615,987               | 610,141        | 109,299        |
| 1901..... | 256,000                   | 1926..... | 528,542                   | Dec. 31.....                   | 815,789      | 111,692          | 704,097               | 710,944        | 104,845        |
| 1911..... | 370,000                   | 1927..... | 527,228                   |                                |              |                  |                       |                |                |

<sup>1</sup> Approximate prior to 1921.

<sup>2</sup> As of Nov. 11.

<sup>3</sup> As of July 31.

<sup>4</sup> Revised. Beginning with 1921, figures exclude clerks at third-class post offices and postal contractors numbering from 32,000 to 35,000, included in figures for prior years; figures for June 1933 exclude 9,223 men employees of certain new agencies which did not report to the Civil Service Commission until a later date.

Sources: Table 161, War and Navy Departments, Coast Guard, Department of Justice, and the several offices named in footnote 4; table 162, Department of Labor; table 163, Civil Service Commission.

# No. 164.—EMPLOYEES IN THE FEDERAL EXECUTIVE CIVIL SERVICE: By DEPARTMENTS AND OFFICES AS OF DEC. 31

NOTE.—See headnote table 163. The various establishments may show marked changes in the number of employees on account of consolidations, transfers of bureaus, and changes in their functions

| Department or office                                | Total   |         |         |         |         | In D. C., 1935 |        | Outside D. C., 1935 |         |
|-----------------------------------------------------|---------|---------|---------|---------|---------|----------------|--------|---------------------|---------|
|                                                     | 1931    | 1932    | 1933    | 1934    | 1935    | Male           | Female | Male                | Female  |
| Total                                               | 576,956 | 568,347 | 607,938 | 655,495 | 815,789 | 68,034         | 43,658 | 589,851             | 114,246 |
| Department of State                                 | 4,944   | 4,686   | 4,291   | 4,460   | 4,553   | 453            | 416    | 2,208               | 1,476   |
| Treasury Department                                 | 52,526  | 52,043  | 44,435  | 52,902  | 54,438  | 8,139          | 8,927  | 29,898              | 7,469   |
| War Department                                      | 50,777  | 53,343  | 60,883  | 62,638  | 54,897  | 2,051          | 1,095  | 45,462              | 5,689   |
| Department of Justice                               | 9,002   | 8,987   | 6,784   | 6,748   | 7,412   | 1,474          | 644    | 4,298               | 900     |
| Post Office Department                              | 280,699 | 273,583 | 270,000 | 262,024 | 261,402 | 2,811          | 771    | 234,616             | 23,204  |
| Navy Department                                     | 47,304  | 46,936  | 49,195  | 55,865  | 65,327  | 9,624          | 1,291  | 51,940              | 2,472   |
| Department of the Interior                          | 14,983  | 14,483  | 25,254  | 31,125  | 30,303  | 5,914          | 2,850  | 18,357              | 3,182   |
| Department of Agriculture                           | 28,127  | 26,371  | 33,088  | 33,282  | 47,175  | 3,531          | 2,891  | 35,945              | 4,808   |
| Department of Commerce                              | 20,709  | 17,815  | 18,718  | 17,697  | 15,446  | 3,157          | 1,948  | 9,801               | 740     |
| Department of Labor                                 | 5,563   | 5,494   | 4,713   | 5,086   | 5,096   | 420            | 781    | 2,542               | 1,323   |
| Agricultural Adjust. Adm. <sup>1</sup>              |         |         | (1)     | 6,397   | 6,587   | 3,163          | 2,507  | 697                 | 130     |
| Civil Service Commission                            | 624     | 623     | 601     | 855     | 1,160   | 306            | 562    | 135                 | 157     |
| Employees' Comp. Com'n.                             | 178     | 176     | 163     | 225     | 280     | 96             | 132    | 18                  | 32      |
| Farm Credit Administration                          | 851     | 2,276   | 7,552   | 6,907   | 6,818   | 591            | 773    | 4,234               | 1,220   |
| Fed. Communications Com'n.                          | 129     | 267     | 238     | 336     | 721     | 276            | 160    | 232                 | 63      |
| Fed. Coordinator of Transp. <sup>2</sup>            |         |         | 135     | 235     | 186     | 102            | 63     | 18                  | 3       |
| Fed. Deposit Insur. Corp. <sup>3</sup>              |         |         | 2,622   | 849     | 744     | 128            | 108    | 384                 | 124     |
| Fed. Home Loan Bank Bd. <sup>4</sup>                |         | 88      | 210     | 173     | 293     | 194            | 99     |                     |         |
| Federal Housing Admin. <sup>5</sup>                 |         |         |         | 2,237   | 3,818   | 737            | 591    | 1,584               | 900     |
| Federal Power Commission                            |         | 55      | 78      | 235     | 294     | 202            | 39     | 3                   |         |
| Federal Reserve System                              | 202     | 208     | 272     | 811     | 329     | 154            | 147    | 28                  |         |
| Federal Trade Commission                            | 530     | 472     | 472     | 473     | 554     | 299            | 189    | 48                  | 18      |
| General Accounting Office                           | 2,002   | 1,974   | 1,771   | 2,748   | 2,269   | 1,493          | 806    |                     |         |
| Government Printing Office                          | 5,043   | 4,758   | 4,686   | 5,215   | 5,625   | 4,598          | 1,027  |                     |         |
| Home Owners' Loan Corp. <sup>6</sup>                |         |         | 6,968   | 20,099  | 19,968  | 1,353          | 1,000  | 9,066               | 8,539   |
| Interstate Com. Com'n.                              | 2,379   | 2,311   | 1,911   | 1,601   | 1,630   | 872            | 306    | 437                 | 15      |
| Merchant Fleet Corporation <sup>7</sup>             |         |         | 440     | 466     | 471     | 234            | 135    | 73                  | 20      |
| Nat. Adv. Com. for Aero                             | 315     | 309     | 308     | 323     | 365     | 21             | 24     | 291                 | 29      |
| Natl. Ind. Recov. Admin. <sup>8</sup>               |         |         | 1,967   | 4,168   | 2,422   | 1,129          | 711    | 362                 | 220     |
| National Resources Board <sup>9</sup>               |         |         | 333     | 234     | 76      | 41             | 104    | 13                  |         |
| Panama Canal                                        | 10,200  | 9,888   | 8,998   | 9,098   | 9,678   | 64             | 10     | 9,095               | 509     |
| Pub. Bldgs. and Pks. Nat. Cap.                      | 3,193   | 3,069   | (1)     |         |         |                |        |                     |         |
| Rec. Finance Corporation <sup>10</sup>              |         | 1,948   | 3,234   | 3,283   | 3,444   | 947            | 713    | 1,166               | 628     |
| Securities and Ex. Com'n.                           |         |         | 422     | 965     | 501     | 287            | 133    | 44                  |         |
| Smithsonian Institution                             | 566     | 545     | 560     | 542     | 534     | 398            | 136    |                     |         |
| Shipping Board                                      | 968     | 666     | (10)    |         |         |                |        |                     |         |
| Tariff Commission                                   | 385     | 307     | 275     | 299     | 301     | 179            | 114    | 8                   |         |
| Tennessee Valley Authority <sup>11</sup>            |         |         | 3,431   | 12,319  | 12,517  | 5              | 9      | 11,677              | 826     |
| Veterans' Administration                            | 33,607  | 34,111  | 31,880  | 32,880  | 33,415  | 1,865          | 3,227  | 19,305              | 9,018   |
| Emergency and Works program agencies: <sup>12</sup> |         |         |         |         |         |                |        |                     |         |
| Fed. Emer. Adm. Pub. Works                          |         |         | 2,759   | 5,426   | 9,840   | 1,999          | 1,166  | 5,366               | 1,809   |
| Fed. Emer. Relief Admin.                            |         |         | 145     | 525     | 871     | 249            | 263    | 17                  | 42      |
| Fed. Surplus Relief Corp'n.                         |         |         | 145     | 399     | 306     | 147            | 112    | 31                  | 16      |
| Works program: <sup>13</sup>                        |         |         |         |         |         |                |        |                     |         |
| Treasury                                            |         |         |         |         | 14,623  | 1,254          | 835    | 7,514               | 5,020   |
| War                                                 |         |         |         |         | 940     | 562            | 30     | 330                 | 18      |
| Justice                                             |         |         |         |         | 292     | 40             | 44     | 139                 | 69      |
| Interior                                            |         |         |         |         | 440     | 25             | 7      | 401                 | 7       |
| Agriculture                                         |         |         |         |         | 399     | 87             | 44     | 275                 | 13      |
| Commerce                                            |         |         |         |         | 433     | 87             | 56     | 167                 | 123     |
| Labor                                               |         |         |         |         | 11,492  | 185            | 104    | 7,522               | 3,681   |
| Emer. Conservation Work: <sup>14</sup>              |         |         |         |         |         |                |        |                     |         |
| Agriculture                                         |         |         | (1)     | 14,130  | 14,261  | 129            | 86     | 13,695              | 851     |
| Interior                                            |         |         | (1)     | 9,111   | 11,782  | 225            | 165    | 11,109              | 285     |
| War                                                 |         |         | (2)     | 6,454   | 14,745  | 265            | 400    | 10,244              | 3,587   |
| Other, incl. Director's Office                      |         |         | 51      | 57      | 88      | 37             | 45     | 6                   |         |
| General Accounting Office                           |         |         |         |         | 1,888   | 1,069          | 799    |                     |         |
| Nat'l. Emergency Council                            |         |         |         | 153     | 458     | 119            | 129    | 104                 | 106     |
| Puerto Rico Reconstr'n Adm.                         |         |         |         |         | 1,117   | 23             | 16     | 843                 | 235     |
| Resettlement Admin.                                 |         |         |         |         | 16,336  | 2,045          | 1,479  | 8,078               | 4,784   |
| Works Progress Admin.                               |         |         |         |         | 52,644  | 1,272          | 1,135  | 29,553              | 20,374  |
| Other departments                                   |         |         |         |         | 424     | 231            | 178    | 12                  | 8       |
| Miscellaneous                                       | 596     | 564     | 723     | 1,320   | 1,103   | 425            | 305    | 280                 | 93      |

<sup>1</sup> 4,011 Agricultural Adjustment Admin. employees and 8,121 emergency conservation work employees for Agriculture and 4,863 for Interior are not included; these agencies did not report until a later date.

<sup>2</sup> Decrease largely due to the transfer of the Custodian Service to the Post Office Department.

<sup>3</sup> 1,020 engaged on C. C. C. work are included in figures for War Department.

<sup>4</sup> Includes 3,184 temporary employees of the National Reemployment Service not previously reported.

<sup>5</sup> Positions not subject to Civil Service Act.

<sup>6</sup> Federal Farm Board for 1931; Federal Farm Board and Regional Agricultural Credit Corp'n for 1932.

<sup>7</sup> Federal Radio Commission. <sup>8</sup> Administrative offices; formerly with the Shipping Board.

<sup>9</sup> Transferred to Interior Department.

<sup>10</sup> Under Merchant Fleet Corporation and Department of Commerce.

<sup>11</sup> Under this title are grouped administrative employees of the emergency conservation works program and other agencies or parts of agencies financed from the Emergency Relief Appropriation Act of 1935.

<sup>12</sup> Not including enrolled personnel (see table 376), military personnel, nurses, and intermittent employees.

Source: Civil Service Commission.

No. 165.—CIVIL SERVICE: NUMBER OF PERSONS EXAMINED BY THE CIVIL SERVICE COMMISSION, NUMBER AND PERCENT WHO PASSED, NUMBER APPOINTED, AND APPROXIMATE NUMBER OF COMPETITIVE POSITIONS

158

CIVIL SERVICE

| Year ended<br>June 30—    | Total                                                              |               |         |                                | Post office service |                                                                    |               |         | Railway Mail Service <sup>1</sup> |                                                                    |               |           | All other services |                                                                    |               |         |                |
|---------------------------|--------------------------------------------------------------------|---------------|---------|--------------------------------|---------------------|--------------------------------------------------------------------|---------------|---------|-----------------------------------|--------------------------------------------------------------------|---------------|-----------|--------------------|--------------------------------------------------------------------|---------------|---------|----------------|
|                           | Classi-<br>fied<br>com-<br>petitive<br>posi-<br>tions <sup>2</sup> | Exam-<br>ined | Passed  | Per-<br>cent<br>that<br>passed | Ap-<br>pointed      | Classi-<br>fied<br>com-<br>petitive<br>posi-<br>tions <sup>2</sup> | Exam-<br>ined | Passed  | Ap-<br>pointed                    | Classi-<br>fied<br>com-<br>petitive<br>posi-<br>tions <sup>2</sup> | Exam-<br>ined | Passed    | Ap-<br>pointed     | Classi-<br>fied<br>com-<br>petitive<br>posi-<br>tions <sup>2</sup> | Exam-<br>ined | Passed  | Ap-<br>pointed |
| 1885 <sup>3</sup>         | 15,590                                                             | 6,347         | 4,141   | 65.2                           | 1,800               | 7,500                                                              | 3,283         | 2,262   | 1,249                             |                                                                    |               |           |                    | 8,090                                                              | 3,114         | 1,879   | 551            |
| 1890                      | 30,626                                                             | 22,994        | 13,947  | 60.7                           | 5,182               | 13,097                                                             | 11,193        | 6,904   | 2,850                             | 5,836                                                              | 4,463         | 3,129     | 1,400              | 11,693                                                             | 7,338         | 5,914   | 932            |
| 1895                      | 54,222                                                             | 31,036        | 19,811  | 63.8                           | 4,793               | 25,000                                                             | 19,438        | 12,802  | 3,348                             | 7,045                                                              | 4,641         | 3,107     | 643                | 22,177                                                             | 6,957         | 5,902   | 809            |
| 1900                      | 94,893                                                             | 46,062        | 34,965  | 75.0                           | 9,889               | 37,000                                                             | 16,584        | 11,447  | 3,031                             | 8,696                                                              | 4,488         | 3,844     | 736                | 49,197                                                             | 25,530        | 19,074  | 5,222          |
| 1905                      | 171,807                                                            | 143,053       | 111,741 | 78.1                           | 38,996              | 81,696                                                             | 52,550        | 41,978  | 16,297                            | 12,171                                                             | 6,972         | 4,218     | 1,558              | 78,040                                                             | 83,531        | 65,545  | 21,141         |
| 1910                      | 222,278                                                            | 115,644       | 87,769  | 75.9                           | 43,888              | 126,131                                                            | 37,253        | 30,170  | 11,812                            | 16,966                                                             | 52            | 39        | 2,271              | 79,191                                                             | 78,339        | 57,560  | 29,502         |
| 1913                      | 282,597                                                            | 141,905       | 94,390  | 66.5                           | 35,154              | 161,846                                                            | 89,181        | 39,810  | 14,905                            | 19,620                                                             | 18,340        | 6,616     | 1,270              | 101,131                                                            | 64,384        | 44,964  | 18,979         |
| 1914                      | 292,460                                                            | 215,587       | 147,526 | 68.4                           | 41,935              | 165,646                                                            | 103,678       | 76,257  | 19,606                            | 22,679                                                             | 27,664        | 19,665    | 2,941              | 104,135                                                            | 84,245        | 51,604  | 19,388         |
| 1915                      | 292,281                                                            | 167,795       | 114,632 | 68.3                           | 36,898              | 166,808                                                            | 70,734        | 52,586  | 13,682                            | 21,769                                                             | 33            | 17        | 146                | 104,714                                                            | 97,028        | 62,029  | 22,570         |
| 1916                      | 296,926                                                            | 154,722       | 113,980 | 73.7                           | 42,057              | 166,375                                                            | 72,122        | 55,614  | 17,729                            | 20,989                                                             | 1             | 1         | 28                 | 109,562                                                            | 82,599        | 58,365  | 24,300         |
| 1917                      | 326,899                                                            | 212,114       | 156,927 | 74.0                           | 36,312              | 187,067                                                            | 51,416        | 38,580  | 19,569                            | 21,196                                                             | 13,975        | 10,433    | 43                 | 118,636                                                            | 146,723       | 107,934 | 66,700         |
| 1918                      | 642,432                                                            | 661,391       | 387,963 | 70.4                           | 213,530             | 188,201                                                            | 56,268        | 41,309  | 29,572                            | 20,538                                                             | 2,927         | 1,867     | 8,297              | 433,693                                                            | 492,196       | 344,787 | 175,661        |
| 1919                      | 509,745                                                            | 438,259       | 299,826 | 68.4                           | 179,533             | 190,081                                                            | 68,459        | 41,433  | 29,949                            | 20,833                                                             | 9,930         | 6,489     | 1,291              | 358,831                                                            | 369,870       | 251,904 | 148,293        |
| 1920                      | 497,603                                                            | 293,327       | 193,905 | 66.1                           | 116,309             | 196,449                                                            | 68,922        | 39,667  | 17,181                            | 21,717                                                             | 12,866        | 7,571     | 4,269              | 279,437                                                            | 221,539       | 146,687 | 94,859         |
| 1921                      | 448,112                                                            | 303,309       | 203,209 | 67.0                           | 101,711             | 206,352                                                            | 114,033       | 74,977  | 32,601                            | 22,320                                                             | 15,803        | 9,849     | 6,044              | 220,440                                                            | 173,473       | 118,389 | 63,066         |
| 1922                      | 420,688                                                            | 206,007       | 128,952 | 62.6                           | 63,867              | 209,533                                                            | 70,120        | 43,984  | 25,186                            | 22,227                                                             | 12,590        | 8,694     | 910                | 188,928                                                            | 122,997       | 76,274  | 37,771         |
| 1923                      | 411,398                                                            | 204,200       | 122,918 | 60.2                           | 57,694              | 212,078                                                            | 61,122        | 40,583  | 22,286                            | 22,052                                                             | 23,642        | 12,512    | 998                | 177,268                                                            | 119,456       | 69,823  | 34,410         |
| 1924                      | 415,593                                                            | 222,915       | 133,506 | 59.9                           | 68,287              | 222,276                                                            | 77,862        | 52,575  | 27,237                            | 22,073                                                             | 25,610        | 10,969    | 2,129              | 171,244                                                            | 119,543       | 69,962  | 38,921         |
| 1925                      | 423,538                                                            | 201,415       | 122,496 | 60.8                           | 50,164              | 226,801                                                            | 77,978        | 50,647  | 20,560                            | 22,340                                                             | 60            | 33        | 629                | 174,397                                                            | 123,377       | 71,815  | 28,675         |
| 1926                      | 422,300                                                            | 202,846       | 105,964 | 52.2                           | 38,016              | 230,021                                                            | 89,835        | 42,591  | 16,561                            | 22,340                                                             | 113           | 87        | 83                 | 169,939                                                            | 112,898       | 68,286  | 22,075         |
| 1927                      | 422,998                                                            | 251,679       | 106,867 | 42.4                           | 42,063              | 232,244                                                            | 98,423        | 45,080  | 17,560                            | 22,281                                                             | 29,481        | 15,717    | 708                | 168,473                                                            | 123,775       | 46,140  | 23,795         |
| 1928                      | 431,763                                                            | 236,997       | 123,530 | 52.2                           | 40,317              | 238,449                                                            | 100,576       | 49,279  | 15,720                            | 21,843                                                             | 194           | 90        | 755                | 171,971                                                            | 136,227       | 74,461  | 23,612         |
| 1929                      | 445,957                                                            | 243,510       | 125,726 | 51.6                           | 47,913              | 241,894                                                            | 96,276        | 44,986  | 16,875                            | 21,379                                                             | 12            | 6         | 833                | 183,184                                                            | 147,222       | 80,734  | 30,206         |
| 1930                      | 462,023                                                            | 267,429       | 132,991 | 49.7                           | 41,075              | 250,525                                                            | 90,115        | 59,065  | 13,560                            | 21,443                                                             | 10,645        | 3,895     | 721                | 180,115                                                            | 176,669       | 89,431  | 26,794         |
| 1931                      | 468,050                                                            | 248,438       | 121,670 | 48.9                           | 41,528              | 253,898                                                            | 51,314        | 26,488  | 8,905                             | 21,477                                                             | 10            | 6         | 825                | 192,675                                                            | 197,114       | 93,176  | 19,450         |
| 1932                      | 467,161                                                            | 287,109       | 89,717  | 34.8                           | 25,080              | 251,887                                                            | 32,425        | 16,076  | 4,788                             | 23,144                                                             | 105           | 29        | 833                | 192,130                                                            | 224,579       | 73,612  | 9,825          |
| 1933                      | 456,096                                                            | 191,771       | 89,082  | 46.4                           | 12,216              | 242,868                                                            | 26,228        | 15,224  | 2,381                             | 22,080                                                             | 3,606         | 1,891     | 721                | 191,148                                                            | 161,937       | 71,967  | 9,345          |
| 1934                      | 450,628                                                            | 296,447       | 169,555 | 57.2                           | 22,757              | 226,927                                                            | 16,093        | 10,195  | 3,412                             | 21,119                                                             | 95            | 30        | 202                | 582                                                                | 280,291       | 159,330 | 19,345         |
| 1935                      | 455,264                                                            | 430,114       | 193,266 | 46.1                           | 36,182              | 223,464                                                            | 28,120        | 16,355  | 3,346                             | 18,995                                                             | 95            | 27        | 212                | 805                                                                | 401,890       | 181,844 | 32,836         |
| Total from July 16, 1883— | 7,763,975                                                          | 4,792,171     | 61.7    | 1,924,505                      | 2,284,394           | 1,476,651                                                          | 586,335       | 341,899 | 208,939                           | 62,463                                                             | 5,137,682     | 3,106,581 | 1,275,707          |                                                                    |               |         |                |

<sup>1</sup> Railway mail clerks classified May 1, 1899.

<sup>2</sup> At close of year or period; approximated.

<sup>3</sup> Jan. 16, 1884, to Jan. 15, 1885.

<sup>4</sup> 11,635 fourth-class postmasters appointed in 1914 and 18,238 in 1915, under the Executive order of May 7, 1913, requiring examinations at offices whose incumbents had not been appointed under the regulations, are not included in this table.

<sup>5</sup> Revised.

Source: The Civil Service Commission.

## No. 166.—CIVIL SERVICE AND CANAL ZONE RETIREMENT

NOTE.—Retirement for civil service employees was established by act of May 22, 1920. Under this act as amended July 3, 1926, and May 29, 1930 (effective July 1, 1930), employees of the classified service and certain other groups, including unclassified laborers subject to labor regulations, are eligible for retirement on annuity at the ages of 62, 65, and 70, according to the class of service, if they have rendered at least 15 years of service. The last-named act permits the optional retirement of employees 2 years before reaching the retirement age where they have rendered at least 30 years of service and also permits retirement on account of permanent and total disability after 5 years of service. From the basic compensation of each employee within the scope of the acts there is deducted 3½ percent (2½ prior to July 1, 1926) thereof for deposit to the credit of the retirement fund. All amounts deducted prior to July 1, 1930, and thereafter amounts deducted less \$1 per month are credited to the employee's individual account. Under the amendment of May 29, 1930, annuities are composed of (1) a sum equal to \$30 for each year of service not exceeding 30 (provided it does not exceed three-fourths of average salary), and (2) the amount of annuity purchasable with the sum credited to the individual's account together with interest at 4 percent per annum, with certain provisions regarding the minimum total annuity.

By act of Mar. 2, 1931 (effective July 1, 1931), special provision was made for employees of the Panama Canal and Panama Canal Railroad, who theretofore had been eligible for retirement under the civil service retirement and disability act.

| June 30<br>or year<br>ended<br>June 30— | Number on civil service retirement<br>roll by cause of retirement |                  |                 |                                                                                |                                           | Civil service retirement and disability fund (thousands<br>of dollars) |                                        |                     |                    |                |              |                                       |
|-----------------------------------------|-------------------------------------------------------------------|------------------|-----------------|--------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------|----------------------------------------|---------------------|--------------------|----------------|--------------|---------------------------------------|
|                                         | Total                                                             | Age <sup>1</sup> | Disa-<br>bility | Invol-<br>untary,<br>less<br>than<br>30<br>years'<br>servi-<br>ce <sup>2</sup> | 30<br>years'<br>servi-<br>ce <sup>2</sup> | Receipts                                                               |                                        |                     | Disbursements      |                |              | Bal-<br>ance in<br>fund<br>June<br>30 |
|                                         |                                                                   |                  |                 |                                                                                |                                           | Total <sup>3</sup>                                                     | Salary<br>deduc-<br>tions <sup>4</sup> | Appro-<br>priations | Total <sup>5</sup> | Annu-<br>ities | Re-<br>funds |                                       |
| 1921                                    | 6,471                                                             | 5,947            | 524             |                                                                                |                                           | 12,586                                                                 | 12,524                                 |                     | 2,914              | 2,591          | 323          | 9,673                                 |
| 1922                                    | 7,676                                                             | 6,067            | 909             |                                                                                |                                           | 14,682                                                                 | 14,095                                 |                     | 6,391              | 4,188          | 2,203        | 17,904                                |
| 1923                                    | 9,334                                                             | 7,994            | 1,340           |                                                                                |                                           | 15,156                                                                 | 14,174                                 |                     | 7,741              | 4,964          | 2,788        | 25,379                                |
| 1924                                    | 10,548                                                            | 8,896            | 1,653           |                                                                                |                                           | 16,642                                                                 | 15,168                                 |                     | 8,552              | 5,895          | 2,657        | 33,469                                |
| 1925                                    | 11,689                                                            | 9,741            | 1,948           |                                                                                |                                           | 20,029                                                                 | 17,999                                 |                     | 9,028              | 6,239          | 2,789        | 44,470                                |
| 1926                                    | 12,524                                                            | 10,727           | 2,247           |                                                                                |                                           | 20,174                                                                 | 17,969                                 |                     | 10,182             | 6,767          | 3,415        | 54,461                                |
| 1927                                    | 14,119                                                            | 11,558           | 2,760           |                                                                                |                                           | 27,168                                                                 | 24,368                                 |                     | 13,396             | 9,598          | 3,822        | 65,235                                |
| 1928                                    | 15,383                                                            | 12,173           | 3,210           |                                                                                |                                           | 29,503                                                                 | 26,465                                 |                     | 14,752             | 10,990         | 3,771        | 82,985                                |
| 1929                                    | 16,501                                                            | 12,924           | 3,577           |                                                                                |                                           | 52,520                                                                 | 28,123                                 | 19,950              | 16,063             | 12,005         | 4,067        | 119,442                               |
| 1930                                    | 17,768                                                            | 12,504           | 3,904           | 1,270                                                                          |                                           | 55,447                                                                 | 29,048                                 | 20,500              | 18,126             | 13,108         | 5,049        | 155,763                               |
| 1931                                    | 22,650                                                            | 16,357           | 4,947           | 1,374                                                                          | 972                                       | 68,277                                                                 | 29,944                                 | 21,000              | 23,092             | 19,860         | 4,160        | 191,047                               |
| 1932                                    | 25,567                                                            | 16,600           | 5,973           | 1,404                                                                          | 1,590                                     | 61,442                                                                 | 31,853                                 | 21,000              | 27,470             | 23,546         | 3,924        | 223,538                               |
| 1933                                    | 32,535                                                            | 21,613           | 7,281           | 1,539                                                                          | 2,402                                     | 61,246                                                                 | 30,494                                 | 21,000              | 34,838             | 30,048         | 4,789        | 249,997                               |
| 1934                                    | 44,708                                                            | 22,969           | 8,941           | 1,861                                                                          | 10,937                                    | 60,259                                                                 | 28,740                                 | 21,000              | 47,657             | 39,621         | 8,036        | 262,562                               |
| 1935                                    | 48,665                                                            | 23,863           | 9,886           | 1,997                                                                          | 12,919                                    | 61,912                                                                 | 30,089                                 | 21,000              | 52,744             | 46,971         | 5,773        | 271,730                               |

|                                          | 1934   | 1935   |                                     | 1934   | 1935   |
|------------------------------------------|--------|--------|-------------------------------------|--------|--------|
| CIVIL SERVICE RETIREMENT                 |        |        | CIVIL SERVICE RETIREMENT—CON.       |        |        |
| Number on the roll June 30 by—           |        |        | Number on the roll June 30 by—      |        |        |
| Sex and cause of retirement—             |        |        | Rates per annum—                    |        |        |
| Male                                     |        |        | Less than \$100                     |        |        |
| Age                                      | 40,759 | 44,217 | \$100—\$199                         | 1      | 1      |
| Disability                               | 21,537 | 22,326 | \$200—\$299                         | 60     | 77     |
| Voluntary, 30 years' service             | 7,251  | 7,919  | \$300—\$399                         | 406    | 480    |
| Involuntary, 30 years' service           | 3,705  | 4,044  | \$400—\$499                         | 556    | 673    |
| Involuntary, less than 30 years' service | 6,000  | 8,100  | \$500—\$599                         | 1,042  | 1,785  |
| Female                                   | 1,666  | 1,768  | \$600—\$699                         | 2,610  | 2,829  |
| Age                                      | 3,949  | 4,448  | \$700—\$799                         | 2,890  | 3,358  |
| Disability                               | 1,432  | 1,537  | \$800—\$899                         | 2,111  | 2,232  |
| Voluntary, 30 years' service             | 1,690  | 1,987  | \$900—\$999                         | 2,488  | 2,609  |
| Involuntary, 30 years' service           | 230    | 266    | \$1,000—\$1,099                     | 3,386  | 3,406  |
| Involuntary, less than 30 years' service | 393    | 449    | \$1,100—\$1,199                     | 5,680  | 5,884  |
| Vocations                                | 195    | 229    | \$1,200—\$1,299                     | 10,309 | 12,336 |
| Mechanics                                | 8,514  | 9,218  | \$1,300—\$1,399                     | 13,772 | 14,236 |
| City letter carriers                     | 7,745  | 7,958  | \$1,400—\$1,499                     | 490    | 500    |
| Rural letter carriers                    | 7,161  | 8,037  | Average annual rate (dollars)       | 6      | 8      |
| Post-office clerks                       | 5,722  | 5,956  | Annual value of roll (1,000 dolls.) | 990    | 988    |
| Railway postal clerks                    | 3,234  | 3,383  |                                     | 44,256 | 48,082 |
| Departmental                             | 8,312  | 9,036  | CANAL ZONE RETIREMENT <sup>7</sup>  |        |        |
| Laborers                                 | 3,041  | 3,268  | Number on roll June 30              |        |        |
| Hazardous occupations                    | 604    | 757    | Annuities (1,000 dollars)           |        |        |
| Indian field service                     | 315    | 422    | Average annuity (dollars)           |        |        |
|                                          |        |        | 1,312                               |        |        |

<sup>1</sup> Involuntary separation included with age prior to 1930.

<sup>2</sup> Includes voluntary and involuntary separation; for separate figures, see lower section of table.

<sup>3</sup> Includes receipts from interest and profits not shown separately. <sup>4</sup> Including service-credit payments.

<sup>5</sup> Total after taking into consideration certain accounting-office adjustments not shown separately.

<sup>6</sup> After adjustment on account of amounts transferred to Canal Zone retirement and disability fund.

<sup>7</sup> Data for earlier years are as follows: Annuityants on roll, 1932, 157; 1933, 248; annuities, 1932, \$161,000; 1933, \$309,000; average annuity, 1932, \$1,315; 1933, \$1,323. Annuityants carried on the civil service retirement roll as of June 30, 1931, who were eligible for retirement under the Canal Zone Retirement Act, were transferred to the Canal Zone roll during the fiscal years 1932 and 1933.

# No. 167.—POPULAR VOTE FOR PRESIDENTIAL ELECTORS: By PRINCIPAL POLITICAL PARTIES, TOTALS, 1888 TO 1932, AND BY STATES, 1932

NOTE.—The column "miscellaneous independent" represents so-called independent, progressive, and farmer-labor parties variously designated as follows: 1888, Union Labor Party; 1892, 1900, and 1904, Populist; 1896, National Democrat; 1908, Populist and Independent; 1912 and 1916, Progressive; 1920, 1928, and 1932, Farmer-Labor. In 1924, column represents votes for La Follette-Wheeler electors, variously designated under party names as Independent Progressive, Progressive, Socialist, Socialist and Independent, Farmer-Labor, etc.

| State               | Republican | Democrat   | Socialist and Socialist-Labor | Miscellaneous independent <sup>1</sup> | Prohibition | Total <sup>2</sup> |
|---------------------|------------|------------|-------------------------------|----------------------------------------|-------------|--------------------|
| 1888.....           | 5,444,387  | 5,540,060  | .....                         | 146,897                                | 250,124     | 11,381,408         |
| 1892.....           | 5,190,802  | 5,564,414  | .....                         | 1,027,329                              | 271,058     | 12,043,603         |
| 1896.....           | 7,035,038  | 6,467,946  | 36,454                        | 131,520                                | 141,676     | 13,813,243         |
| 1900.....           | 7,219,530  | 6,358,071  | 127,619                       | 50,282                                 | 209,166     | 13,964,618         |
| 1904.....           | 7,628,884  | 5,084,491  | 436,184                       | 114,753                                | 259,267     | 13,623,519         |
| 1908.....           | 7,679,006  | 6,406,106  | 434,645                       | 111,698                                | 262,083     | 14,877,138         |
| 1912.....           | 8,483,922  | 6,286,214  | 926,090                       | 4,126,020                              | 208,923     | 15,031,169         |
| 1916.....           | 8,538,221  | 9,129,606  | 598,616                       | 41,894                                 | 220,506     | 18,628,743         |
| 1920.....           | 16,152,200 | 9,147,353  | 950,974                       | 265,411                                | 189,408     | 26,705,346         |
| 1924.....           | 15,725,003 | 8,356,586  | 27,650                        | 4,826,471                              | 57,551      | 29,022,267         |
| 1928.....           | 21,392,190 | 16,016,443 | 289,023                       | 6,890                                  | 20,100      | 36,879,414         |
| 1932.....           | 15,781,841 | 22,821,867 | 918,057                       | 7,809                                  | 81,869      | 39,810,622         |
| Alabama.....        | 34,675     | 207,910    | 2,030                         | .....                                  | 13          | 245,034            |
| Arizona.....        | 36,104     | 79,264     | 2,618                         | .....                                  | .....       | 118,251            |
| Arkansas.....       | 28,467     | 189,602    | 1,269                         | .....                                  | .....       | 220,602            |
| California.....     | 847,902    | 1,324,157  | 63,299                        | .....                                  | 20,637      | 2,266,972          |
| Colorado.....       | 189,017    | 250,877    | 14,018                        | 460                                    | 1,928       | 4,567,096          |
| Connecticut.....    | 288,420    | 281,632    | 22,767                        | .....                                  | .....       | 594,207            |
| Delaware.....       | 57,073     | 54,319     | 1,376                         | .....                                  | .....       | 112,901            |
| Florida.....        | 69,170     | 206,307    | 775                           | .....                                  | .....       | 276,252            |
| Georgia.....        | 19,843     | 234,118    | 401                           | .....                                  | 1,126       | 255,590            |
| Idaho.....          | 71,312     | 100,479    | 526                           | .....                                  | .....       | 186,520            |
| Illinois.....       | 1,432,756  | 1,882,304  | 70,896                        | .....                                  | 6,888       | 3,407,926          |
| Indiana.....        | 677,184    | 862,054    | 23,468                        | .....                                  | 10,399      | 1,576,927          |
| Iowa.....           | 414,433    | 598,019    | 20,467                        | 1,094                                  | 2,111       | 1,036,987          |
| Kansas.....         | 349,408    | 424,204    | 18,276                        | .....                                  | .....       | 791,978            |
| Kentucky.....       | 394,716    | 580,574    | 5,249                         | .....                                  | 2,262       | 983,003            |
| Louisiana.....      | 18,853     | 249,418    | .....                         | .....                                  | .....       | 268,804            |
| Maine.....          | 166,631    | 128,907    | 2,744                         | .....                                  | .....       | 298,444            |
| Maryland.....       | 184,184    | 314,314    | 11,525                        | .....                                  | .....       | 511,054            |
| Massachusetts.....  | 736,969    | 800,148    | 36,973                        | .....                                  | 1,142       | 1,580,114          |
| Michigan.....       | 739,894    | 871,700    | 40,606                        | .....                                  | 2,893       | 1,664,823          |
| Minnesota.....      | 363,959    | 600,803    | 25,476                        | 5,731                                  | .....       | 1,002,848          |
| Mississippi.....    | 5,180      | 140,168    | 668                           | .....                                  | .....       | 146,034            |
| Missouri.....       | 504,713    | 1,025,406  | 16,778                        | .....                                  | 2,429       | 1,609,894          |
| Montana.....        | 78,078     | 137,286    | 7,801                         | .....                                  | .....       | 216,479            |
| Nebraska.....       | 201,177    | 869,082    | 9,876                         | .....                                  | .....       | 570,135            |
| Nevada.....         | 12,674     | 23,756     | .....                         | .....                                  | .....       | 41,430             |
| New Hampshire.....  | 163,629    | 100,680    | 947                           | .....                                  | .....       | 265,520            |
| New Jersey.....     | 776,684    | 806,030    | 44,060                        | .....                                  | 774         | 1,630,063          |
| New Mexico.....     | 54,217     | 95,089     | 1,776                         | .....                                  | .....       | 151,606            |
| New York.....       | 1,937,963  | 2,534,959  | 187,736                       | .....                                  | .....       | 4,753,698          |
| North Carolina..... | 208,344    | 497,560    | 5,591                         | .....                                  | .....       | 711,501            |
| North Dakota.....   | 71,772     | 178,350    | 3,521                         | .....                                  | .....       | 256,290            |
| Ohio.....           | 1,227,679  | 1,801,695  | 66,062                        | .....                                  | 7,421       | 2,010,088          |
| Oklahoma.....       | 188,165    | 516,468    | .....                         | .....                                  | .....       | 704,033            |
| Oregon.....         | 136,019    | 213,871    | 17,180                        | .....                                  | .....       | 368,751            |
| Pennsylvania.....   | 1,453,540  | 1,295,948  | 91,778                        | .....                                  | 11,319      | 2,869,002          |
| Rhode Island.....   | 115,266    | 146,804    | 8,571                         | .....                                  | 183         | 266,170            |
| South Carolina..... | 1,978      | 102,847    | 82                            | .....                                  | .....       | 104,407            |
| South Dakota.....   | 99,212     | 183,515    | 1,551                         | .....                                  | 463         | 288,438            |
| Tennessee.....      | 126,806    | 259,817    | 1,786                         | .....                                  | 1,995       | 390,938            |
| Texas.....          | 97,959     | 760,348    | 4,460                         | .....                                  | .....       | 863,426            |
| Utah.....           | 84,796     | 119,750    | 4,087                         | .....                                  | .....       | 206,679            |
| Vermont.....        | 75,984     | 56,266     | 1,533                         | .....                                  | .....       | 136,980            |
| Virginia.....       | 89,637     | 203,979    | 2,382                         | 15                                     | 1,843       | 297,942            |
| Washington.....     | 208,645    | 333,260    | 18,089                        | .....                                  | 1,640       | 614,814            |
| West Virginia.....  | 380,781    | 405,124    | 6,133                         | .....                                  | 2,342       | 743,774            |
| Wisconsin.....      | 707,410    | 83,873     | 53,773                        | .....                                  | 2,672       | 1,114,815          |
| Wyoming.....        | 39,583     | 54,370     | 2,829                         | .....                                  | .....       | 96,962             |

<sup>1</sup> See headnote.

<sup>2</sup> Figures prior to 1928 do not include votes cast for names not appearing on the electoral tickets specified in the table. In 1928 and 1932 they represent the entire vote cast, including in 1928, 48,770 votes (35 States) cast for the Workers electors and 67,951 scattering, defective, blank, and void ballots, and in 1932, 53,425 votes (10 States) cast for the Liberty electors, 102,991 votes (39 States) cast for the Communist electors, and 69,173 scattering ballots.

<sup>3</sup> Democrat-Populist.

<sup>4</sup> Socialist-Labor only. In 1924 practically all the Socialist vote is included in votes in next column for La Follette and Wheeler, official candidates of the Socialist Party as well as the Independent Progressive.

<sup>5</sup> Includes 659 Industrialist votes.

Sources: 1888-1920, reports of State officials on file in the Department of State; 1924, 1928, and 1932, data compiled by Clerk of the House of Representatives.

**No. 168.—ELECTORAL VOTE FOR PRESIDENT: BY PRINCIPAL POLITICAL PARTIES AND BY STATES, 1912 TO 1932**

**NOTE.**—In 1924, the 13 electoral votes of Wisconsin were cast for La Follette and Wheeler, Independent Progressive candidates

| State                  | 1912       |            |             | 1916       |            | 1920       |            | 1924       |            | 1928       |            | 1932       |            |
|------------------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                        | Republican | Democratic | Progressive | Republican | Democratic | Republican | Democratic | Republican | Democratic | Republican | Democratic | Republican | Democratic |
| <b>Total .....</b>     | <b>8</b>   | <b>435</b> | <b>88</b>   | <b>254</b> | <b>277</b> | <b>404</b> | <b>127</b> | <b>382</b> | <b>138</b> | <b>444</b> | <b>87</b>  | <b>59</b>  | <b>472</b> |
| <b>Plurality .....</b> | <b>347</b> |            |             |            | <b>23</b>  | <b>277</b> |            | <b>246</b> |            | <b>357</b> |            |            | <b>413</b> |
| Alabama.....           | 12         |            |             | 12         |            | 12         |            | 12         |            | 12         |            |            | 11         |
| Arizona.....           | 3          |            |             | 3          |            | 3          |            | 3          |            | 3          |            |            | 3          |
| Arkansas.....          | 9          |            |             | 9          |            | 9          |            | 9          |            | 9          |            |            | 9          |
| California.....        | 2          | 11         |             | 13         | 13         |            |            | 13         |            | 13         |            |            | 22         |
| Colorado.....          | 6          |            |             | 6          |            | 6          |            | 6          |            | 6          |            |            | 6          |
| Connecticut.....       | 7          |            |             | 7          |            | 7          |            | 7          |            | 7          |            | 8          |            |
| Delaware.....          | 3          |            |             | 3          |            | 3          |            | 3          |            | 3          |            | 3          |            |
| Florida.....           | 6          |            |             | 6          |            | 6          |            | 6          |            | 6          |            |            | 7          |
| Georgia.....           | 14         |            |             | 14         |            | 14         |            | 14         |            | 14         |            |            | 12         |
| Idaho.....             | 4          |            |             | 4          |            | 4          |            | 4          |            | 4          |            |            | 4          |
| Illinois.....          | 29         |            |             | 29         |            | 29         |            | 29         |            | 29         |            |            | 29         |
| Indiana.....           | 15         |            |             | 15         |            | 15         |            | 15         |            | 15         |            |            | 14         |
| Iowa.....              | 13         |            |             | 13         |            | 13         |            | 13         |            | 13         |            |            | 11         |
| Kansas.....            | 10         |            |             | 10         |            | 10         |            | 10         |            | 10         |            |            | 9          |
| Kentucky.....          | 13         |            |             | 13         |            | 13         |            | 13         |            | 13         |            |            | 11         |
| Louisiana.....         | 10         |            |             | 10         |            | 10         |            | 10         |            | 10         |            |            | 10         |
| Maine.....             | 6          |            |             | 6          |            | 6          |            | 6          |            | 6          |            | 5          |            |
| Maryland.....          | 8          |            |             | 8          |            | 8          |            | 8          |            | 8          |            |            | 8          |
| Massachusetts.....     | 18         |            |             | 18         |            | 18         |            | 18         |            | 18         |            |            | 17         |
| Michigan.....          |            | 15         |             | 15         |            | 15         |            | 15         |            | 15         |            |            | 19         |
| Minnesota.....         |            | 12         |             | 12         |            | 12         |            | 12         |            | 12         |            |            | 11         |
| Mississippi.....       | 10         |            |             | 10         |            | 10         |            | 10         |            | 10         |            |            | 9          |
| Missouri.....          | 18         |            |             | 18         |            | 18         |            | 18         |            | 18         |            |            | 15         |
| Montana.....           | 4          |            |             | 4          |            | 4          |            | 4          |            | 4          |            |            | 4          |
| Nebraska.....          | 8          |            |             | 8          |            | 8          |            | 8          |            | 8          |            |            | 7          |
| Nevada.....            | 3          |            |             | 3          |            | 3          |            | 3          |            | 3          |            |            | 3          |
| New Hampshire.....     | 4          |            |             | 4          |            | 4          |            | 4          |            | 4          |            | 4          |            |
| New Jersey.....        | 14         |            |             | 14         |            | 14         |            | 14         |            | 14         |            |            | 16         |
| New Mexico.....        | 3          |            |             | 3          |            | 3          |            | 3          |            | 3          |            |            | 3          |
| New York.....          | 45         |            |             | 45         |            | 45         |            | 45         |            | 45         |            |            | 47         |
| North Carolina.....    | 12         |            |             | 12         |            | 12         |            | 12         |            | 12         |            |            | 13         |
| North Dakota.....      | 5          |            |             | 5          |            | 5          |            | 5          |            | 5          |            |            | 4          |
| Ohio.....              | 24         |            |             | 24         |            | 24         |            | 24         |            | 24         |            |            | 26         |
| Oklahoma.....          | 10         |            |             | 10         |            | 10         |            | 10         |            | 10         |            |            | 11         |
| Oregon.....            | 5          |            |             | 5          |            | 5          |            | 5          |            | 5          |            |            | 5          |
| Pennsylvania.....      |            | 38         |             | 38         |            | 38         |            | 38         |            | 38         |            | 36         |            |
| Rhode Island.....      | 5          |            |             | 5          |            | 5          |            | 5          |            | 5          |            |            | 4          |
| South Carolina.....    | 9          |            |             | 9          |            | 9          |            | 9          |            | 9          |            |            | 8          |
| South Dakota.....      |            | 5          |             | 5          |            | 5          |            | 5          |            | 5          |            |            | 4          |
| Tennessee.....         | 12         |            |             | 12         |            | 12         |            | 12         |            | 12         |            |            | 11         |
| Texas.....             | 20         |            |             | 20         |            | 20         |            | 20         |            | 20         |            |            | 23         |
| Utah.....              | 4          |            |             | 4          |            | 4          |            | 4          |            | 4          |            |            | 4          |
| Vermont.....           | 4          |            |             | 4          |            | 4          |            | 4          |            | 4          |            | 3          |            |
| Virginia.....          | 12         |            |             | 12         |            | 12         |            | 12         |            | 12         |            |            | 11         |
| Washington.....        |            | 7          |             | 7          |            | 7          |            | 7          |            | 7          |            |            | 8          |
| West Virginia.....     | 8          |            |             | 7          | 1          | 8          |            | 8          |            | 8          |            |            | 8          |
| Wisconsin.....         | 13         |            |             | 13         |            | 13         |            | (1)        | (1)        | 13         |            |            | 12         |
| Wyoming.....           | 3          |            |             | 3          |            | 3          |            | 3          |            | 3          |            |            | 3          |

<sup>1</sup> See headnote.

Sources: 1912 to 1920, Journal of the Senate, Washington, D. C.; 1924, 1928, and 1932 data compiled by Clerk of the House of Representatives.



## No. 169.—APPORTIONMENT OF CONGRESSIONAL REPRESENTATION

NOTE.—The ratio given at the head of each column indicates the number of inhabitants per Member of the House of Representatives according to the Constitution and the several apportionment acts. No apportionment under Census of 1920

| State          | Ratios under Constitution and censuses |        |        |        |        |        |        |                   |                   |                   |         |         |         |         |         |  |
|----------------|----------------------------------------|--------|--------|--------|--------|--------|--------|-------------------|-------------------|-------------------|---------|---------|---------|---------|---------|--|
|                | Con-<br>stitu-<br>tion                 | 1790   | 1800   | 1810   | 1820   | 1830   | 1840   | 1850 <sup>1</sup> | 1860 <sup>2</sup> | 1870 <sup>3</sup> | 1880    | 1890    | 1900    | 1910    | 1930    |  |
|                | 30,000                                 | 33,000 | 33,000 | 35,000 | 40,000 | 47,700 | 70,680 | 93,423            | 127,381           | 131,425           | 151,911 | 173,901 | 194,182 | 211,877 | 279,712 |  |
| Representation |                                        |        |        |        |        |        |        |                   |                   |                   |         |         |         |         |         |  |
| Total          | 65                                     | 106    | 142    | 186    | 213    | 242    | 282    | 237               | 243               | 293               | 332     | 357     | 391     | 435     | 435     |  |
| Alabama        |                                        |        |        | 41     | 3      | 5      | 7      | 7                 | 6                 | 8                 | 8       | 9       | 9       | 10      | 9       |  |
| Arizona        |                                        |        |        |        |        |        |        |                   |                   |                   |         |         |         | 11      | 1       |  |
| Arkansas       |                                        |        |        |        |        |        | 11     | 1                 | 2                 | 3                 | 4       | 5       | 6       | 7       | 7       |  |
| California     |                                        |        |        |        |        |        |        | 12                | 2                 | 3                 | 4       | 5       | 6       | 7       | 20      |  |
| Colorado       |                                        |        |        |        |        |        |        |                   |                   | 11                | 1       | 2       | 3       | 4       | 4       |  |
| Connecticut    | 5                                      | 7      | 7      | 7      | 6      | 6      | 4      | 4                 | 4                 | 4                 | 4       | 4       | 5       | 5       | 6       |  |
| Delaware       | 1                                      | 1      | 1      | 2      | 1      | 1      | 1      | 1                 | 1                 | 1                 | 1       | 1       | 1       | 1       | 1       |  |
| Florida        |                                        |        |        |        |        |        | 11     | 1                 | 1                 | 2                 | 2       | 2       | 3       | 4       | 5       |  |
| Georgia        | 3                                      | 2      | 4      | 6      | 7      | 9      | 8      | 8                 | 7                 | 9                 | 10      | 11      | 11      | 12      | 10      |  |
| Idaho          |                                        |        |        |        |        |        |        |                   |                   |                   | 11      | 1       | 1       | 2       | 2       |  |
| Illinois       |                                        |        |        | 41     | 1      | 3      | 7      | 9                 | 14                | 19                | 20      | 22      | 25      | 27      | 27      |  |
| Indiana        |                                        |        |        | 41     | 3      | 7      | 10     | 11                | 11                | 13                | 13      | 13      | 13      | 13      | 12      |  |
| Iowa           |                                        |        |        |        |        |        | 12     | 2                 | 6                 | 9                 | 11      | 11      | 11      | 11      | 9       |  |
| Kansas         |                                        |        |        |        |        |        |        | 1                 | 1                 | 3                 | 7       | 8       | 8       | 8       | 7       |  |
| Kentucky       |                                        | 2      | 6      | 10     | 12     | 18     | 10     | 10                | 9                 | 10                | 11      | 11      | 11      | 11      | 9       |  |
| Louisiana      |                                        |        |        | 41     | 3      | 3      | 4      | 4                 | 5                 | 6                 | 6       | 6       | 7       | 8       | 8       |  |
| Maine          |                                        |        |        | 67     | 7      | 8      | 7      | 6                 | 5                 | 6                 | 4       | 4       | 4       | 4       | 3       |  |
| Maryland       | 6                                      | 8      | 9      | 9      | 9      | 8      | 6      | 6                 | 5                 | 6                 | 6       | 6       | 6       | 6       | 6       |  |
| Massachusetts  | 8                                      | 14     | 17     | 13     | 13     | 12     | 10     | 11                | 10                | 11                | 12      | 13      | 14      | 16      | 15      |  |
| Michigan       |                                        |        |        |        |        | 41     | 3      | 4                 | 6                 | 9                 | 11      | 12      | 12      | 13      | 17      |  |
| Minnesota      |                                        |        |        |        |        |        |        | 12                | 2                 | 3                 | 5       | 7       | 9       | 10      | 9       |  |
| Mississippi    |                                        |        |        | 41     | 1      | 2      | 4      | 5                 | 5                 | 6                 | 7       | 7       | 8       | 8       | 7       |  |
| Missouri       |                                        |        |        |        | 1      | 2      | 5      | 7                 | 9                 | 13                | 14      | 15      | 16      | 16      | 13      |  |
| Montana        |                                        |        |        |        |        |        |        |                   |                   | 11                | 1       | 1       | 1       | 2       | 2       |  |
| Nebraska       |                                        |        |        |        |        |        |        |                   | 11                | 1                 | 3       | 6       | 6       | 6       | 5       |  |
| Nevada         |                                        |        |        |        |        |        |        |                   | 11                | 1                 | 1       | 1       | 1       | 1       | 1       |  |
| New Hampshire  | 3                                      | 4      | 5      | 6      | 6      | 5      | 4      | 3                 | 3                 | 3                 | 2       | 2       | 2       | 2       | 2       |  |
| New Jersey     | 4                                      | 5      | 6      | 6      | 6      | 6      | 5      | 5                 | 5                 | 7                 | 7       | 8       | 10      | 12      | 14      |  |
| New Mexico     |                                        |        |        |        |        |        |        |                   |                   |                   |         |         |         | 11      | 1       |  |
| New York       | 6                                      | 10     | 17     | 27     | 34     | 40     | 34     | 33                | 31                | 33                | 34      | 34      | 37      | 43      | 46      |  |
| North Carolina | 5                                      | 10     | 12     | 13     | 13     | 18     | 9      | 8                 | 7                 | 8                 | 9       | 9       | 10      | 10      | 11      |  |
| North Dakota   |                                        |        |        |        |        |        |        |                   |                   | 11                | 1       | 1       | 2       | 3       | 2       |  |
| Ohio           |                                        |        | 41     | 6      | 14     | 19     | 21     | 21                | 19                | 20                | 21      | 21      | 21      | 22      | 24      |  |
| Oklahoma       |                                        |        |        |        |        |        |        |                   |                   |                   |         |         | 45      | 8       | 9       |  |
| Oregon         |                                        |        |        |        |        |        |        | 11                | 1                 | 1                 | 1       | 2       | 2       | 3       | 3       |  |
| Pennsylvania   | 8                                      | 13     | 18     | 23     | 26     | 28     | 24     | 25                | 24                | 27                | 28      | 30      | 32      | 36      | 34      |  |
| Rhode Island   | 1                                      | 2      | 2      | 2      | 2      | 2      | 2      | 2                 | 2                 | 2                 | 2       | 2       | 2       | 3       | 2       |  |
| South Carolina | 5                                      | 6      | 8      | 9      | 9      | 9      | 7      | 6                 | 4                 | 5                 | 7       | 7       | 7       | 7       | 6       |  |
| South Dakota   |                                        |        |        |        |        |        |        |                   |                   | 12                | 2       | 2       | 2       | 3       | 2       |  |
| Tennessee      |                                        | 41     | 3      | 6      | 9      | 13     | 11     | 10                | 8                 | 10                | 10      | 10      | 10      | 10      | 9       |  |
| Texas          |                                        |        |        |        |        |        |        |                   |                   |                   |         |         |         |         |         |  |
| Utah           |                                        |        |        |        |        |        | 12     | 2                 | 4                 | 6                 | 11      | 13      | 16      | 18      | 21      |  |
| Vermont        |                                        | 2      | 4      | 6      | 5      | 5      | 4      | 3                 | 3                 | 3                 | 2       | 2       | 2       | 2       | 1       |  |
| Virginia       | 10                                     | 19     | 22     | 23     | 22     | 21     | 15     | 13                | 11                | 9                 | 10      | 10      | 10      | 10      | 9       |  |
| Washington     |                                        |        |        |        |        |        |        |                   |                   | 11                | 1       | 2       | 3       | 5       | 6       |  |
| West Virginia  |                                        |        |        |        |        |        |        |                   |                   | 3                 | 4       | 4       | 5       | 6       | 6       |  |
| Wisconsin      |                                        |        |        |        |        |        | 12     | 3                 | 6                 | 8                 | 9       | 10      | 11      | 11      | 10      |  |
| Wyoming        |                                        |        |        |        |        |        |        |                   |                   | 11                | 1       | 1       | 1       | 1       | 1       |  |

<sup>1</sup> Membership increased from 233 to 234 by act of July 30, 1852. (10 Stat. L. 25.)

<sup>2</sup> Membership increased from 233 to 241 by act of Mar. 4, 1852. (12 Stat. L. 353.)

<sup>3</sup> Membership originally fixed at 283 but increased by act of May 30, 1872, to 292. (17 Stat. L. 192.)

<sup>4</sup> Assigned after apportionment.

<sup>5</sup> Included in apportionment act in anticipation of its becoming a State.

<sup>6</sup> Included in the 20 Members originally assigned to Massachusetts, but credited to Maine, after its admission as a State, Mar. 15, 1820. (3 Stat. L. 555.)

## 9. NATIONAL GOVERNMENT FINANCES

*General note as to bases used in compiling statistics of receipts and expenditures of the United States Government.*—Four different bases are used in compiling both the receipts and expenditures of the Government. These bases, in the case of receipts, are the daily Treasury statements (unrevised and revised), warrants issued, and collections reported. The expenditures of the Government are published on the first three of these bases and also on the basis of checks issued. Figures in the daily Treasury statements (unrevised) which are on a current cash basis are compiled from the latest daily reports from the Treasury offices or public depositories. Owing to the distance of some of these offices and depositories from the Treasury, reports from them are somewhat delayed in reaching the Treasury, and consequently it is necessary to issue the unrevised Treasury statements before they are received. The figures for actual transactions during a month or year which are calculated to take into account these delayed reports are said to be on a basis of daily Treasury statements (revised). The unrevised figures are the basis of the Budget estimates submitted to Congress by the President.

It is provided by law that warrants shall be issued by the Secretary of the Treasury in acknowledgment of money received, and that warrants must be drawn by the Secretary of the Treasury for all disbursements of money. Some of these warrants for expenditures do not represent actual payments but are merely advances of credit to disbursing officers, who then issue checks in payment of Government obligations. Expenditures on the basis of warrants issued include unexpended balances to the credit of disbursing officers at the end of the year but do not include expenditures made during the year from unexpended balances of the preceding year.

Expenditures on the basis of checks issued (table 174) represent most accurately the actual expenditures during any given year. They differ from expenditures shown by daily Treasury statements (revised), because they include checks outstanding at the end of the year and exclude unpaid checks at the beginning of the year.

Government transactions are classified according to the accounts through which they are effected. The three classes of accounts are: General fund accounts, which include the general revenues and from which the operating expenses of the Government, including capital outlays and fixed charges, are paid under appropriations by Congress; special fund accounts, or funds received under special authorizations of law which are earmarked for some specific purpose; and trust fund accounts, representing money received and held in trust for the benefit of individuals or classes of individuals. The latter are not strictly Government moneys and are shown separately in all tables except No. 171.

All figures for receipts and expenditures include postal surpluses or deficiencies only; postal revenues other than surplus receipts and postal expenditures payable from postal revenues are shown in table 171.

### No. 170.—RECEIPTS AND EXPENDITURES: BY MONTHS

**NOTE.**—All figures in millions and tenths of millions of dollars. Figures are on the "current cash" basis shown by daily Treasury statements, unrevised; see general note above

| Year and month                    | Receipts, general and special accounts |              |                  |                  |                |                        | Expenditures, general and special accounts |                                                     |                                      |                                  | Trust and contributed accounts <sup>1</sup> |               |
|-----------------------------------|----------------------------------------|--------------|------------------|------------------|----------------|------------------------|--------------------------------------------|-----------------------------------------------------|--------------------------------------|----------------------------------|---------------------------------------------|---------------|
|                                   | Total                                  | Customs      | Internal revenue |                  |                | Miscellaneous receipts | Total                                      | General, excl. public debt retirements <sup>2</sup> | Public debt retirements <sup>3</sup> | Recovery and relief <sup>4</sup> | Receipts                                    | Expenditures  |
|                                   |                                        |              | Income tax       | Processing tax   | Other          |                        |                                            |                                                     |                                      |                                  |                                             |               |
| 1934—July...                      | 218.2                                  | 10.3         | 17.8             | 33.8             | 132.3          | 9.9                    | 466.3                                      | 230.4                                               | ( <sup>5</sup> )                     | 235.9                            | 14.5                                        | 12.6          |
| Aug...                            | 286.3                                  | 23.0         | 25.1             | 43.0             | 145.3          | 49.8                   | 513.7                                      | 204.1                                               | ( <sup>5</sup> )                     | 309.6                            | 11.0                                        | 9.4           |
| Sept...                           | 449.4                                  | 36.2         | 173.3            | 42.4             | 176.5          | 21.1                   | 516.6                                      | 232.7                                               | ( <sup>5</sup> )                     | 282.9                            | 12.6                                        | 5.2           |
| Oct...                            | 259.9                                  | 30.5         | 19.1             | 49.3             | 151.0          | 10.0                   | 758.5                                      | 390.7                                               | 89.4                                 | 278.4                            | 42.4                                        | 13.1          |
| Nov...                            | 246.6                                  | 28.4         | 21.0             | 47.3             | 118.5          | 31.4                   | 638.6                                      | 209.5                                               | 30.3                                 | 339.8                            | 45.6                                        | 18.0          |
| Dec...                            | 384.7                                  | 32.4         | 164.3            | 41.7             | 131.4          | 14.9                   | 652.4                                      | 320.4                                               | 11.3                                 | 320.7                            | 54.4                                        | 11.3          |
| 1935—Jan...                       | 202.8                                  | 26.4         | 18.8             | 45.8             | 113.6          | 1.8                    | 458.5                                      | 210.1                                               | 6.2                                  | 252.2                            | 30.7                                        | 12.8          |
| Feb...                            | 214.1                                  | 25.0         | 27.6             | 44.4             | 109.5          | 7.7                    | 498.4                                      | 247.6                                               | 2.8                                  | 248.0                            | 23.1                                        | 30.6          |
| Mar...                            | 600.7                                  | 32.3         | 326.3            | 46.5             | 188.9          | 6.4                    | 550.5                                      | 258.6                                               | 4.4                                  | 287.7                            | 44.9                                        | 25.7          |
| Apr...                            | 227.9                                  | 31.5         | 29.0             | 43.8             | 115.6          | 5.0                    | 796.6                                      | 331.7                                               | 185.6                                | 279.4                            | 40.0                                        | 18.5          |
| May...                            | 245.1                                  | 30.3         | 23.2             | 43.0             | 136.9          | 12.8                   | 611.1                                      | 194.8                                               | 69.3                                 | 347.0                            | 20.1                                        | 537.6         |
| June...                           | 463.7                                  | 28.2         | 253.7            | 35.3             | 137.7          | 8.8                    | 905.6                                      | 315.3                                               | 166.3                                | 425.0                            | 32.3                                        | 25.1          |
| <b>Fiscal year 1935, total...</b> | <b>3,800.6</b>                         | <b>343.4</b> | <b>1,099.1</b>   | <b>621.4</b>     | <b>1,667.3</b> | <b>179.4</b>           | <b>7,375.8</b>                             | <b>3,145.7</b>                                      | <b>573.6</b>                         | <b>3,856.6</b>                   | <b>371.5</b>                                | <b>5160.6</b> |
| 1935—July...                      | 278.9                                  | 29.7         | 23.2             | 19.1             | 164.6          | 42.3                   | 727.5                                      | 325.3                                               | 54.0                                 | 347.4                            | 23.0                                        | 119.8         |
| Aug...                            | 298.7                                  | 37.1         | 24.0             | 9.5              | 218.8          | 9.3                    | 521.9                                      | 219.7                                               | 13.6                                 | 288.7                            | 31.6                                        | 179.8         |
| Sept...                           | 420.8                                  | 29.7         | 230.6            | 10.4             | 143.0          | 7.1                    | 581.0                                      | 318.7                                               | 17.7                                 | 244.6                            | 37.0                                        | 5.3           |
| Oct...                            | 235.4                                  | 33.3         | 29.6             | 9.5              | 153.1          | 10.0                   | 796.7                                      | 338.1                                               | 172.7                                | 285.8                            | 53.4                                        | 74.0          |
| Nov...                            | 234.3                                  | 31.2         | 19.0             | 8.0              | 141.8          | 34.3                   | 533.5                                      | 225.8                                               | 46.2                                 | 261.5                            | 50.3                                        | 39.5          |
| Dec...                            | 433.8                                  | 29.1         | 228.4            | 8.6              | 153.3          | 14.3                   | 621.0                                      | 344.0                                               | 30.2                                 | 246.8                            | 45.9                                        | 63.4          |
| 1936—Jan...                       | 223.0                                  | 33.6         | 35.6             | 2.9              | 137.9          | 18.1                   | 472.7                                      | 215.4                                               | 16.7                                 | 240.7                            | 51.6                                        | 14.5          |
| Feb...                            | 218.3                                  | 33.1         | 42.9             | 1.7              | 132.1          | 10.9                   | 504.3                                      | 164.8                                               | 8.6                                  | 300.8                            | 32.4                                        | 12.8          |
| Mar...                            | 751.7                                  | 35.3         | 412.5            | .1               | 291.2          | 12.6                   | 578.4                                      | 356.3                                               | 8.2                                  | 214.0                            | 27.8                                        | 64.7          |
| Apr...                            | 230.6                                  | 32.2         | 35.7             | ( <sup>5</sup> ) | 151.8          | 10.9                   | 630.9                                      | 300.0                                               | 17.0                                 | 313.9                            | 28.1                                        | 50.6          |
| May...                            | 256.1                                  | 30.3         | 35.0             | ( <sup>5</sup> ) | 158.2          | 32.7                   | 564.7                                      | 266.6                                               | 6.9                                  | 291.2                            | 18.3                                        | 25.3          |
| June...                           | 629.2                                  | 32.1         | 310.2            | 9.3              | 163.9          | 13.7                   | 2,347.1                                    | 2,081.0                                             | 10.6                                 | 255.5                            | 35.0                                        | 59.0          |
| <b>Fiscal year 1936, total...</b> | <b>4,116.0</b>                         | <b>386.8</b> | <b>1,426.6</b>   | <b>76.6</b>      | <b>2,009.6</b> | <b>216.3</b>           | <b>8,879.8</b>                             | <b>5,185.6</b>                                      | <b>403.2</b>                         | <b>3,890.9</b>                   | <b>434.4</b>                                | <b>708.7</b>  |

<sup>1</sup> Receipts include increment resulting from reduction in weight of gold dollar and seigniorage; expenditures include exchange stabilization fund, melting losses, etc., and other items chargeable against increment on gold, and beginning June 1935, net transactions in checking accounts of certain special governmental agencies the balances of which were transferred on May 31, 1935, to these accounts.

<sup>2</sup> "Recovery and relief" includes subscriptions to stock of Federal land banks, amounting to \$1,939,000 for the fiscal year 1935, included with "general expenditures" in Tables 172 and 174.

<sup>3</sup> Statutory debt retirements from sinking fund and certain earmarked receipts.

<sup>4</sup> Less than \$50,000.

<sup>5</sup> Counter entry, deduct.

Source: Reports of the Treasury Department.

## No. 171.—RECEIPTS AND EXPENDITURES OF THE GOVERNMENT

NOTE.—In thousands of dollars. Figures prior to 1918 are on the basis of warrants issued (net); thereafter on the basis of daily Treasury statements (unrevised) except as noted. General, special, emergency, and trust accounts are included. See general note, p. 163

| Yearly average<br>or year<br>ended June<br>30— | Ordinary receipts |                           |                                |                    |                                          |                                         | Surplus (+)<br>or deficit<br>(-) ordinary<br>receipts<br>compared<br>with expend-<br>itures<br>chargeable<br>against<br>them <sup>1</sup> | Postal<br>revenues,<br>excluding<br>surplus<br>postal<br>receipts <sup>2</sup> | Postal<br>expend-<br>itures,<br>excluding<br>postal<br>defici-<br>encies <sup>3</sup> |                                |
|------------------------------------------------|-------------------|---------------------------|--------------------------------|--------------------|------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------|
|                                                | Total             | Cus-<br>toms <sup>4</sup> | Internal revenue               |                    | Sales<br>of public<br>lands <sup>5</sup> | Sur-<br>plus<br>postal<br>re-<br>ceipts |                                                                                                                                           |                                                                                |                                                                                       | Miscel-<br>laneous<br>receipts |
|                                                |                   |                           | Income<br>and prof-<br>its tax | Miscella-<br>neous |                                          |                                         |                                                                                                                                           |                                                                                |                                                                                       |                                |
| 1789-1800 <sup>6</sup>                         | 5,717             | 5,020                     |                                | 6 375              | 9                                        | 30                                      | 233                                                                                                                                       | -59                                                                            | 117                                                                                   | 108                            |
| 1801-1810 <sup>7</sup>                         | 13,055            | 12,045                    |                                | 201                | 456                                      | 22                                      | 329                                                                                                                                       | +3,969                                                                         | 408                                                                                   | 360                            |
| 1811-1820 <sup>7</sup>                         | 21,032            | 16,388                    |                                | 1,544              | 1,623                                    | 50                                      | 1,429                                                                                                                                     | -2,910                                                                         | 862                                                                                   | 823                            |
| 1821-1830 <sup>7</sup>                         | 21,923            | 19,852                    |                                | 31                 | 1,388                                    | (9)                                     | 649                                                                                                                                       | +5,702                                                                         | 1,400                                                                                 | 1,415                          |
| 1831-1840 <sup>7</sup>                         | 30,460            | 20,470                    |                                | 5                  | 7,452                                    | (5)                                     | 2,533                                                                                                                                     | +5,966                                                                         | 3,347                                                                                 | 3,272                          |
| 1841-1850 <sup>7</sup>                         | 28,545            | 25,649                    |                                | 1                  | 2,085                                    | (5)                                     | 809                                                                                                                                       | -5,553                                                                         | 4,622                                                                                 | 4,580                          |
| 1851-1860                                      | 60,237            | 54,498                    |                                |                    | 4,582                                    |                                         | 1,166                                                                                                                                     | +75                                                                            | 6,788                                                                                 | 6,947                          |
| 1861-1865                                      | 100,907           | 98,988                    | 28,006                         | 27,283             | 555                                      |                                         | 19,994                                                                                                                                    | -522,878                                                                       | 10,961                                                                                | 10,367                         |
| 1866-1870                                      | 447,300           | 178,908                   | 50,603                         | 171,816            | 2,109                                    |                                         | 44,368                                                                                                                                    | +69,658                                                                        | 16,422                                                                                | 17,443                         |
| 1871-1875                                      | 395,830           | 186,200                   | 7,760                          | 112,217            | 2,223                                    |                                         | 28,429                                                                                                                                    | +49,370                                                                        | 23,642                                                                                | 23,661                         |
| 1876-1880                                      | 288,124           | 146,594                   | (5)                            | 116,697            | 1,025                                    |                                         | 23,808                                                                                                                                    | +32,526                                                                        | 29,762                                                                                | 29,263                         |
| 1881-1885                                      | 393,961           | 201,993                   | 10 29                          | 132,102            | 6,086                                    |                                         | 26,799                                                                                                                                    | +109,270                                                                       | 42,011                                                                                | 42,466                         |
| 1886-1890                                      | 375,448           | 216,557                   |                                | 128,683            | 8,097                                    |                                         | 24,111                                                                                                                                    | +99,314                                                                        | 52,508                                                                                | 52,120                         |
| 1891-1895                                      | 352,891           | 176,862                   | 11 77                          | 150,228            | 2,650                                    |                                         | 23,136                                                                                                                                    | -10,708                                                                        | 72,964                                                                                | 74,001                         |
| 1896                                           | 338,142           | 160,022                   |                                | 146,763            | 1,006                                    |                                         | 30,352                                                                                                                                    | -14,037                                                                        | 82,499                                                                                | 81,643                         |
| 1897                                           | 347,722           | 176,554                   |                                | 146,689            | 865                                      |                                         | 23,614                                                                                                                                    | -18,052                                                                        | 82,665                                                                                | 82,948                         |
| 1898                                           | 405,921           | 149,575                   |                                | 170,901            | 1,243                                    |                                         | 53,603                                                                                                                                    | -38,047                                                                        | 89,013                                                                                | 87,563                         |
| 1899                                           | 515,991           | 230,128                   |                                | 273,437            | 1,678                                    |                                         | 34,717                                                                                                                                    | -89,112                                                                        | 95,021                                                                                | 93,440                         |
| 1900                                           | 567,241           | 233,165                   |                                | 295,328            | 2,837                                    |                                         | 35,911                                                                                                                                    | +48,380                                                                        | 102,355                                                                               | 100,534                        |
| 1901                                           | 587,685           | 235,653                   |                                | 307,181            | 2,966                                    |                                         | 38,954                                                                                                                                    | +63,068                                                                        | 111,631                                                                               | 110,638                        |
| 1902                                           | 562,478           | 244,445                   |                                | 271,880            | 4,144                                    |                                         | 32,000                                                                                                                                    | +77,244                                                                        | 121,849                                                                               | 122,407                        |
| 1903                                           | 503,831           | 234,480                   |                                | 230,810            | 5,926                                    |                                         | 37,665                                                                                                                                    | +44,875                                                                        | 134,224                                                                               | 136,043                        |
| 1904                                           | 544,087           | 201,273                   |                                | 232,004            | 7,453                                    |                                         | 39,455                                                                                                                                    | -42,573                                                                        | 143,583                                                                               | 145,893                        |
| 1905                                           | 544,275           | 261,799                   |                                | 234,095            | 4,859                                    |                                         | 43,521                                                                                                                                    | -33,004                                                                        | 162,827                                                                               | 152,355                        |
| 1906                                           | 594,954           | 300,252                   |                                | 240,160            | 4,880                                    |                                         | 40,703                                                                                                                                    | +24,782                                                                        | 167,933                                                                               | 165,802                        |
| 1907                                           | 605,860           | 332,233                   |                                | 299,667            | 7,879                                    |                                         | 56,081                                                                                                                                    | +86,732                                                                        | 183,685                                                                               | 182,948                        |
| 1908                                           | 601,892           | 286,113                   |                                | 251,711            | 9,732                                    |                                         | 54,306                                                                                                                                    | -67,334                                                                        | 191,470                                                                               | 195,501                        |
| 1909                                           | 604,320           | 300,712                   |                                | 248,213            | 7,701                                    |                                         | 49,695                                                                                                                                    | -80,423                                                                        | 203,652                                                                               | 201,641                        |
| 1910                                           | 676,612           | 333,683                   | 20,962                         | 268,082            | 6,359                                    |                                         | 45,630                                                                                                                                    | -18,105                                                                        | 224,129                                                                               | 221,615                        |
| 1911                                           | 701,833           | 314,497                   | 33,517                         | 280,012            | 6,732                                    |                                         | 50,075                                                                                                                                    | +10,631                                                                        | 237,880                                                                               | 237,661                        |
| 1912                                           | 692,609           | 311,322                   | 28,583                         | 296,029            | 5,393                                    |                                         | 54,253                                                                                                                                    | +2,728                                                                         | 246,744                                                                               | 246,961                        |
| 1913                                           | 724,111           | 318,891                   | 35,006                         | 308,411            | 2,910                                    |                                         | 57,893                                                                                                                                    | -401                                                                           | 266,620                                                                               | 261,822                        |
| 1914                                           | 734,073           | 292,320                   | 71,381                         | 305,660            | 2,572                                    | 3,800                                   | 55,940                                                                                                                                    | -408                                                                           | 284,135                                                                               | 283,538                        |
| 1915                                           | 697,011           | 290,787                   | 30,202                         | 335,468            | 2,167                                    | 3,500                                   | 66,787                                                                                                                                    | -62,670                                                                        | 283,748                                                                               | 281,945                        |
| 1916                                           | 782,635           | 213,186                   | 124,937                        | 387,765            | 1,888                                    |                                         | 54,759                                                                                                                                    | +48,478                                                                        | 312,068                                                                               | 300,728                        |
| 1917                                           | 1,124,325         | 226,962                   | 359,681                        | 449,685            | 1,893                                    | 5,200                                   | 81,903                                                                                                                                    | -853,357                                                                       | 324,526                                                                               | 319,890                        |
| 1918                                           | 3,604,683         | 179,993                   | 2,314,006                      | 872,028            | 1,969                                    | 48,631                                  | 247,950                                                                                                                                   | -9,033                                                                         | 256,845                                                                               | 322,623                        |
| 1919                                           | 5,152,287         | 184,458                   | 3,018,784                      | 1,296,501          | 1,405                                    | 89,906                                  | 561,204                                                                                                                                   | -13,370                                                                        | 638,274                                                                               | 612,161                        |
| 1920                                           | 6,094,565         | 322,903                   | 3,944,940                      | 1,460,082          | 1,910                                    | 5,213                                   | 959,508                                                                                                                                   | +23,475                                                                        | 431,037                                                                               | 418,007                        |
| 1921                                           | 5,624,933         | 308,654                   | 3,206,466                      | 1,390,380          | 1,530                                    |                                         | 718,412                                                                                                                                   | +86,724                                                                        | 463,401                                                                               | 459,506                        |
| 1922                                           | 4,109,104         | 356,443                   | 2,068,128                      | 1,145,125          | 895                                      | 81                                      | 538,421                                                                                                                                   | +313,802                                                                       | 484,772                                                                               | 481,316                        |
| 1923                                           | 4,007,135         | 561,929                   | 1,678,607                      | 945,865            | 657                                      |                                         | 820,077                                                                                                                                   | +309,657                                                                       | 832,828                                                                               | 824,396                        |
| 1924                                           | 4,012,045         | 545,638                   | 1,842,144                      | 963,012            | 522                                      |                                         | 670,728                                                                                                                                   | +505,367                                                                       | 572,949                                                                               | 574,774                        |
| 1925                                           | 3,780,149         | 547,551                   | 1,780,538                      | 823,638            | 624                                      |                                         | 642,788                                                                                                                                   | +250,505                                                                       | 599,591                                                                               | 616,120                        |
| 1926                                           | 3,992,756         | 579,430                   | 1,982,040                      | 855,599            | 754                                      |                                         | 544,932                                                                                                                                   | +377,768                                                                       | 659,820                                                                               | 640,286                        |
| 1927                                           | 4,129,394         | 605,500                   | 2,224,993                      | 644,422            | 621                                      |                                         | 653,859                                                                                                                                   | +636,810                                                                       | 683,122                                                                               | 687,365                        |
| 1928                                           | 4,042,848         | 568,966                   | 2,178,963                      | 621,019            | 385                                      |                                         | 678,006                                                                                                                                   | +398,828                                                                       | 693,634                                                                               | 693,673                        |
| 1929                                           | 4,033,250         | 602,263                   | 2,330,712                      | 607,308            | 315                                      |                                         | 492,663                                                                                                                                   | +184,787                                                                       | 696,948                                                                               | 687,709                        |
| 1930                                           | 4,177,942         | 587,001                   | 2,410,987                      | 628,308            | 396                                      |                                         | 551,250                                                                                                                                   | +183,789                                                                       | 705,484                                                                               | 711,986                        |
| 1931                                           | 3,317,233         | 378,354                   | 1,860,394                      | 569,387            | 230                                      |                                         | 608,868                                                                                                                                   | -902,717                                                                       | 656,463                                                                               | 666,886                        |
| 1932                                           | 2,121,228         | 327,755                   | 1,057,336                      | 503,670            | 170                                      |                                         | 232,296                                                                                                                                   | -3,153,098                                                                     | 588,172                                                                               | 590,846                        |
| 1933                                           | 2,238,355         | 250,750                   | 746,206                        | 858,218            | 103                                      |                                         | 383,079                                                                                                                                   | -3,068,267                                                                     | 587,631                                                                               | 632,626                        |
| 1934                                           | 123,277,734       | 313,434                   | 187,961                        | 132,642            | 99                                       |                                         | 132,356                                                                                                                                   | -3,965,962                                                                     | 588,733                                                                               | 578,764                        |
| 1935                                           | 124,030,127       | 343,363                   | 1,099,119                      | 178,571            | 87                                       |                                         | 124,069,998                                                                                                                               | -3,082,129                                                                     | 630,795                                                                               | 632,033                        |
| 1936                                           | 124,373,734       | 385,812                   | 1,426,578                      | 186,270            | (13a)                                    |                                         | 124,744,071                                                                                                                               | -4,810,894                                                                     | (13b)                                                                                 | (13c)                          |

<sup>1</sup> Surplus or deficit takes into account public debt retirements chargeable against ordinary receipts beginning 1918. See p. 164 for expenditures chargeable against ordinary receipts.

<sup>2</sup> Based on reports of the Post Office Department. Expenditures include adjusted losses, etc., postal funds, and expenditures from postal balances; they exclude departmental expenditures in Washington, D. C., to the close of the fiscal year 1922, and amounts transferred to the civil-service retirement and disability fund, fiscal years 1921 to 1926. In 1927 to 1935 the 3½ percent salary deductions are included.

<sup>3</sup> Includes tonnage tax prior to 1932. Beginning 1932, tonnage tax is included in miscellaneous receipts.

<sup>4</sup> On the basis of warrants issued for all years.

<sup>5</sup> Average for period Mar. 4, 1789, to Dec. 31, 1800.

<sup>6</sup> Averages are for entire period though there were no receipts under these items certain years.

<sup>7</sup> Years ended Dec. 31, 1801 to 1842; average for 1841-1850 is for the period Jan. 1, 1841, to June 30, 1850.

<sup>8</sup> Less than \$500.

<sup>9</sup> Average for 1863 to 1865.

<sup>10</sup> Average for 1881 and 1884.

<sup>11</sup> One year only, 1895.

<sup>12</sup> Exclusive of increment resulting from reduction in the weight of the gold dollar (\$2,811,376,000 for 1894; \$1,738,000 for 1935; 784,900 for 1936) and seigniorage resulting from the issuance of silver certificates against silver acquired under the Silver Purchase Act of 1934. (\$140,411,000 for 1935; \$175,789,000 for 1936).

<sup>13</sup> Includes processing tax (see table 172).

<sup>14</sup> Included in miscellaneous receipts.

<sup>15</sup> Not available.

<sup>16</sup> Increment on gold and expenditures therefrom and seigniorage under the Silver Purchase Act of 1934 are not reflected in these figures.

## No. 171.—RECEIPTS AND EXPENDITURES OF THE GOVERNMENT—Continued

(In thousands of dollars)

| Yearly average<br>or year ended<br>June 30— | Expenditures chargeable against ordinary receipts |                                               |                                      |                                       |                            |                                                                                    |                                              |                                    |
|---------------------------------------------|---------------------------------------------------|-----------------------------------------------|--------------------------------------|---------------------------------------|----------------------------|------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------|
|                                             | Ordinary expenditures                             |                                               |                                      |                                       |                            |                                                                                    |                                              | Public<br>debt<br>retire-<br>ments |
|                                             | Total                                             | Civil and<br>miscella-<br>neous <sup>15</sup> | War<br>Depart-<br>ment <sup>15</sup> | Navy<br>Depart-<br>ment <sup>15</sup> | Ind-<br>ians <sup>16</sup> | Bureau of<br>Pensions<br>and Vet-<br>erans' Ad-<br>minis-<br>tration <sup>17</sup> | Postal<br>defi-<br>ciencies <sup>18 19</sup> | Interest on<br>the public<br>debt  |
| 1789-1800 <sup>10</sup>                     | 5,770                                             | 829                                           | 1,464                                | <sup>20</sup> 745                     | 27                         | 82                                                                                 | -----                                        | 2,620                              |
| 1801-1810 <sup>10</sup>                     | 9,080                                             | 1,870                                         | 1,832                                | 1,636                                 | 164                        | 78                                                                                 | -----                                        | 3,703                              |
| 1811-1820 <sup>10</sup>                     | 23,942                                            | 2,559                                         | 10,742                               | 4,075                                 | 317                        | 741                                                                                | -----                                        | 4,877                              |
| 1821-1830 <sup>10</sup>                     | 16,161                                            | 3,144                                         | 3,918                                | 3,295                                 | 599                        | 1,247                                                                              | -----                                        | 8,956                              |
| 1831-1840 <sup>10</sup>                     | 24,494                                            | 5,610                                         | 8,321                                | 5,041                                 | 2,612                      | 2,572                                                                              | -----                                        | <sup>21</sup> 331                  |
| 1841-1850 <sup>10</sup>                     | 34,067                                            | 7,844                                         | 13,491                               | 7,619                                 | 1,458                      | 1,790                                                                              | <sup>20</sup> 195                            | 1,701                              |
| 1851-1860                                   | 60,162                                            | 21,233                                        | 15,784                               | 11,996                                | 3,260                      | 1,631                                                                              | 3,574                                        | 2,770                              |
| 1861-1866                                   | 683,785                                           | 25,894                                        | 547,752                              | 65,329                                | 3,203                      | 4,858                                                                              | 2,146                                        | 34,900                             |
| 1866-1870                                   | 377,642                                           | 54,524                                        | 127,815                              | 28,382                                | 4,488                      | 23,428                                                                             | <sup>20</sup> 3,562                          | 135,440                            |
| 1871-1875                                   | 287,459                                           | 68,635                                        | 40,186                               | 23,328                                | 7,504                      | 30,684                                                                             | 5,544                                        | 111,680                            |
| 1876-1880                                   | 255,598                                           | 56,269                                        | 37,170                               | 15,990                                | 5,405                      | 35,601                                                                             | 4,972                                        | 100,191                            |
| 1881-1885                                   | 257,091                                           | 66,536                                        | 43,010                               | 16,863                                | 7,328                      | 59,510                                                                             | <sup>20</sup> 1,703                          | 68,742                             |
| 1886-1890                                   | 279,134                                           | 79,955                                        | 40,085                               | 17,872                                | 6,429                      | 55,067                                                                             | 6,899                                        | 44,027                             |
| 1891-1895                                   | 303,599                                           | 94,299                                        | 50,326                               | 29,185                                | 10,651                     | 142,935                                                                            | 6,801                                        | 29,402                             |
| 1896                                        | 352,179                                           | 75,140                                        | 50,831                               | 27,148                                | 12,166                     | 142,210                                                                            | 9,300                                        | 35,385                             |
| 1897                                        | 305,774                                           | 70,503                                        | 48,950                               | 34,562                                | 13,017                     | 143,802                                                                            | 11,149                                       | 37,791                             |
| 1898                                        | 443,369                                           | 83,314                                        | 91,962                               | 88,824                                | 10,995                     | 150,154                                                                            | 10,504                                       | 37,585                             |
| 1899                                        | 605,072                                           | 108,459                                       | 229,841                              | 63,942                                | 12,806                     | 141,916                                                                            | 8,212                                        | 39,897                             |
| 1900                                        | 520,861                                           | 129,177                                       | 134,775                              | 55,953                                | 10,175                     | 143,389                                                                            | 7,231                                        | 40,150                             |
| 1901                                        | 524,617                                           | 129,561                                       | 144,616                              | 60,507                                | 10,890                     | 141,740                                                                            | 4,955                                        | 32,343                             |
| 1902                                        | 485,234                                           | 122,696                                       | 112,272                              | 67,803                                | 10,950                     | 140,903                                                                            | 2,402                                        | 29,108                             |
| 1903                                        | 517,000                                           | 130,587                                       | 118,630                              | 82,618                                | 12,035                     | 140,912                                                                            | 2,769                                        | 28,556                             |
| 1904                                        | 583,660                                           | 128,940                                       | 165,200                              | 102,956                               | 10,438                     | 144,967                                                                            | 6,503                                        | 24,646                             |
| 1905                                        | 507,270                                           | 125,554                                       | 126,094                              | 117,550                               | 14,236                     | 144,188                                                                            | 15,065                                       | 24,591                             |
| 1906                                        | 570,202                                           | 129,347                                       | 137,326                              | 110,474                               | 12,747                     | 143,327                                                                            | 12,673                                       | 24,300                             |
| 1907                                        | 570,129                                           | 143,502                                       | 149,775                              | 97,128                                | 15,164                     | 141,440                                                                            | 7,629                                        | 24,481                             |
| 1908                                        | 659,106                                           | 160,557                                       | 175,840                              | 118,037                               | 14,580                     | 155,867                                                                            | 12,888                                       | 21,426                             |
| 1909                                        | 603,744                                           | 165,040                                       | 192,487                              | 115,540                               | 15,095                     | 153,663                                                                            | 19,501                                       | 21,804                             |
| 1910                                        | 693,617                                           | 166,709                                       | 189,823                              | 123,174                               | 18,504                     | 162,569                                                                            | 8,496                                        | 21,943                             |
| 1911                                        | 691,202                                           | 172,043                                       | 197,199                              | 119,938                               | 20,994                     | 159,776                                                                            | -----                                        | 21,311                             |
| 1912                                        | 689,881                                           | 170,503                                       | 184,123                              | 135,592                               | 20,135                     | 155,345                                                                            | 1,558                                        | 22,616                             |
| 1913                                        | 724,512                                           | 167,816                                       | 202,129                              | 133,203                               | 20,306                     | 177,072                                                                            | 1,027                                        | 22,890                             |
| 1914                                        | 735,081                                           | 168,578                                       | 208,350                              | 139,682                               | 20,215                     | 175,392                                                                            | -----                                        | 22,884                             |
| 1915                                        | 760,587                                           | 198,584                                       | 202,160                              | 141,836                               | 22,130                     | 166,067                                                                            | 6,637                                        | 22,903                             |
| 1916                                        | 734,066                                           | 190,170                                       | 183,176                              | 153,854                               | 17,570                     | 160,885                                                                            | 5,500                                        | 22,001                             |
| 1917                                        | 1,977,682                                         | 1,139,622                                     | 377,941                              | 239,633                               | 30,698                     | 195,145                                                                            | -----                                        | 24,743                             |
| 1918                                        | 12,696,702                                        | 6,073,642                                     | 4,869,955                            | 1,278,840                             | 30,898                     | 261,412                                                                            | 2,221                                        | 189,743                            |
| 1919                                        | 18,514,880                                        | 6,522,338                                     | 9,009,076                            | 2,002,311                             | 34,993                     | 327,003                                                                            | 344                                          | 610,216                            |
| 1920                                        | 6,403,344                                         | 2,062,137                                     | 1,621,963                            | 736,021                               | 40,517                     | 322,340                                                                            | 115                                          | 1,020,252                          |
| 1921                                        | 5,115,928                                         | 1,557,901                                     | 1,118,076                            | 650,374                               | 41,471                     | 618,832                                                                            | 130,128                                      | 999,145                            |
| 1922                                        | 3,372,608                                         | 625,406                                       | 457,756                              | 476,775                               | 38,500                     | 718,823                                                                            | 64,246                                       | 991,001                            |
| 1923                                        | 3,294,628                                         | 676,541                                       | 397,051                              | 333,201                               | 45,143                     | 754,241                                                                            | 32,527                                       | 1,055,924                          |
| 1924                                        | 3,048,678                                         | 690,292                                       | 367,017                              | 332,249                               | 48,754                     | 669,125                                                                            | 12,639                                       | 940,603                            |
| 1925                                        | 3,063,105                                         | 666,179                                       | 370,981                              | 346,142                               | 38,755                     | 736,025                                                                            | 23,217                                       | 881,807                            |
| 1926                                        | 3,097,612                                         | 729,113                                       | 364,090                              | 312,743                               | 48,442                     | 771,780                                                                            | 39,506                                       | 831,938                            |
| 1927                                        | 2,974,030                                         | 645,989                                       | 369,114                              | 318,909                               | 35,792                     | 785,943                                                                            | 27,293                                       | 787,020                            |
| 1928                                        | 3,103,265                                         | 764,561                                       | 400,990                              | 331,335                               | 36,991                     | 805,543                                                                            | 32,080                                       | 731,764                            |
| 1929                                        | 3,298,859                                         | 888,884                                       | 425,947                              | 364,562                               | 34,087                     | 812,370                                                                            | 94,700                                       | 678,330                            |
| 1930                                        | 3,440,269                                         | 993,395                                       | 484,854                              | 374,166                               | 32,067                     | 824,726                                                                            | 91,714                                       | 659,348                            |
| 1931                                        | 3,779,868                                         | 1,130,346                                     | 487,718                              | 354,071                               | 37,489                     | 1,013,041                                                                          | 145,644                                      | 611,560                            |
| 1932                                        | 4,851,090                                         | 2,137,111                                     | 478,889                              | 367,821                               | 32,608                     | 1,053,114                                                                          | 117,876                                      | 599,277                            |
| 1933                                        | 4,845,018                                         | 2,265,840                                     | 450,800                              | 349,736                               | 27,625                     | 944,672                                                                            | 202,380                                      | 689,365                            |
| 1934                                        | <sup>21</sup> 6,883,862                           | <sup>21</sup> 4,700,459                       | 411,548                              | 297,188                               | 31,199                     | 634,878                                                                            | 52,003                                       | 756,617                            |
| 1935                                        | <sup>21</sup> 6,538,698                           | <sup>21</sup> 4,004,344                       | 494,806                              | 438,001                               | 32,968                     | 683,652                                                                            | 63,970                                       | 820,926                            |
| 1936                                        | <sup>21</sup> 8,781,388                           | <sup>21</sup> 4,390,458                       | <sup>21</sup> 818,919                | <sup>22</sup> 529,032                 | ( <sup>23</sup> )          | 2,407,544                                                                          | 86,039                                       | 749,397                            |

<sup>15</sup> Civil expenditures under War and Navy Departments at Washington are included in "Civil and miscellaneous" prior to 1916, thereafter under the War and Navy Departments, respectively. War Department includes expenditures for rivers and harbors and Panama Canal.

<sup>16</sup> Figures for Indians and prior to 1922, for postal deficiencies, are on the basis of warrants issued.

<sup>17</sup> Beginning 1931, figures represent expenditures for the Veterans' Administration, which includes the former Bureau of Pensions, Bureau of National Homes, and Veterans' Bureau. Prior to 1871, figures include only Army and Navy pensions and fees of examining surgeons; thereafter, they include also salaries and expenses of Bureau of Pensions (except salaries and expenses, civil employees' retirement act) and pension agencies. Figures for 1917 to 1921 include expenditures by Bureau of War Risk Insurance and for vocational rehabilitation and for 1922 to 1930, Veterans' Bureau. Operations in the Government life insurance fund, adjusted service certificate fund and, except for 1936, miscellaneous trust funds are included. Expenditures from the civil service retirement and disability fund are not included. All figures prior to 1923 and figures for Bureau of Pensions for 1924 to 1930 are on the basis of warrants issued.

<sup>18</sup> Exclusive of amounts transferred to civil service retirement and disability fund.

<sup>19</sup> See notes on corresponding periods, p. 164.

<sup>20</sup> See note 6, p. 164.

<sup>21</sup> Exclusive of expenditures chargeable against increment on gold: For 1934, \$2,000,000,000 (exchange stabilization fund); for 1935, \$113,023,000; for 1936, \$403,829,000.

<sup>22</sup> Trust funds War and Navy Departments, and "Indians" are included in "civil and miscellaneous."

Source: Reports of the Treasury Department.

## No. 172.—RECEIPTS AND EXPENDITURES: By MAJOR CLASSIFICATIONS

NOTE.—In thousands of dollars. Figures are for years ended June 30. They are on the basis of daily Treasury statements (unrevised). See general note, p. 163

|                                                                                | 1932        | 1933        | 1934        | 1935        |
|--------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|
| <b>GENERAL AND SPECIAL ACCOUNTS</b>                                            |             |             |             |             |
| Receipts, total.....                                                           | 2, 006, 725 | 2, 079, 697 | 3, 115, 554 | 3, 800, 467 |
| Internal revenue.....                                                          | 1, 561, 006 | 1, 604, 424 | 2, 040, 604 | 3, 277, 690 |
| Income tax.....                                                                | 1, 057, 336 | 746, 206    | 817, 961    | 1, 099, 119 |
| Miscellaneous internal revenue.....                                            | 503, 670    | 858, 218    | 1, 469, 594 | 1, 657, 192 |
| Processing tax on farm products.....                                           | —           | —           | 353, 049    | 621, 380    |
| Customs.....                                                                   | 327, 755    | 250, 750    | 313, 434    | 343, 353    |
| Principal and interest—foreign obligations.....                                | —           | 98, 768     | 20, 430     | 608         |
| Proceeds of other Government-owned securities.....                             | 22, 368     | 32, 091     | 67, 415     | 38, 106     |
| Panama Canal tolls, etc.....                                                   | 22, 588     | 23, 288     | 27, 103     | 24, 704     |
| Other miscellaneous.....                                                       | 72, 008     | 70, 407     | 56, 587     | 115, 946    |
| General expenditures, total <sup>1</sup> .....                                 | 4, 385, 910 | 3, 865, 915 | 3, 100, 915 | 3, 721, 235 |
| Departmental, total <sup>2</sup> .....                                         | 658, 289    | 808, 791    | 341, 335    | 356, 983    |
| Legislative establishment.....                                                 | 27, 319     | 21, 477     | 17, 653     | 19, 624     |
| Executive proper.....                                                          | 425         | 369         | 359         | 458         |
| State Department.....                                                          | 18, 882     | 15, 228     | 11, 121     | 16, 861     |
| Treasury Department <sup>3</sup> .....                                         | 287, 945    | 267, 506    | 108, 538    | 121, 853    |
| War Department (nonmilitary) <sup>3</sup> .....                                | —           | —           | 4, 110      | 2, 128      |
| Department of Justice.....                                                     | 51, 639     | 44, 088     | 31, 669     | 32, 279     |
| Post Office Department.....                                                    | 126         | 88          | 12, 206     | 4 14        |
| Interior Department.....                                                       | 81, 445     | 74, 580     | 45, 922     | 55, 211     |
| Department of Agriculture.....                                                 | 318, 976    | 260, 981    | 58, 363     | 62, 937     |
| Department of Commerce.....                                                    | 52, 700     | 45, 968     | 27, 452     | 32, 316     |
| Department of Labor.....                                                       | 14, 701     | 13, 678     | 10, 832     | 13, 012     |
| U. S. Shipping Board Bureau.....                                               | 51, 641     | 28, 519     | 4 9, 544    | 4 21, 473   |
| Other independent offices and commissions.....                                 | 52, 645     | 45, 237     | 22, 365     | 20, 473     |
| Unclassified items.....                                                        | 46          | 4 896       | 360         | 4 490       |
| Adjustment for disbursing officers' checks outstanding.....                    | —           | —           | —           | 4 0, 141    |
| Public building construction and sites, Treasury Department <sup>3</sup> ..... | —           | —           | 76, 516     | 25, 268     |
| River and harbor work <sup>3</sup> .....                                       | —           | —           | 78, 281     | 55, 119     |
| National defense: <sup>3</sup>                                                 | —           | —           | —           | —           |
| Army <sup>3</sup> .....                                                        | 349, 989    | 318, 881    | 205, 306    | 212, 187    |
| Navy.....                                                                      | 357, 618    | 549, 562    | 274, 388    | 321, 411    |
| Veterans Administration <sup>3</sup> .....                                     | 784, 842    | 763, 155    | 599, 549    | 555, 673    |
| Adjusted service certificate fund.....                                         | 200, 000    | 100, 000    | 80, 000     | 50, 000     |
| Agricultural Adjustment Administration <sup>4</sup> .....                      | —           | —           | 279, 723    | 561, 546    |
| Farm Credit Administration <sup>4</sup> .....                                  | —           | —           | 23, 123     | 12, 979     |
| Agricultural marketing fund (net) <sup>7</sup> .....                           | 136, 239    | 4 1, 438    | —           | —           |
| Distribution of wheat and cotton for relief.....                               | —           | 4 3, 236    | —           | —           |
| Refunds of receipts:                                                           | —           | 34, 241     | —           | —           |
| Customs.....                                                                   | 17, 203     | 12, 577     | 14, 046     | 20, 716     |
| Internal Revenue.....                                                          | 89, 922     | 57, 763     | 48, 064     | 24, 632     |
| Processing tax on farm products.....                                           | —           | —           | 1, 195      | 31, 208     |
| Postal deficiency.....                                                         | 202, 876    | 117, 380    | 52, 003     | 63, 970     |
| Panama Canal.....                                                              | 10, 632     | 12, 673     | 9, 197      | 8, 766      |
| Federal land banks, subscriptions to stock of <sup>6</sup> .....               | 125, 000    | 4 248       | 4 1, 733    | 1, 939      |
| Civil-service retirement fund (Government share).....                          | 20, 850     | 20, 850     | 20, 850     | 20, 850     |
| Foreign service retirement fund (Government share).....                        | 215         | 416         | 293         | 159         |
| District of Columbia (Government share) <sup>3</sup> .....                     | 9, 500      | 7, 775      | 5, 700      | 4, 539      |
| Interest on the public debt.....                                               | 599, 277    | 689, 365    | 756, 617    | 820, 926    |
| Public debt retirements.....                                                   | 412, 630    | 461, 606    | 359, 894    | 573, 558    |
| Sinking fund.....                                                              | 412, 555    | 425, 660    | 359, 491    | 573, 001    |
| Received from foreign countries under debt settlements.....                    | —           | 33, 887     | 358         | —           |
| Estate taxes, forfeitures, gifts, etc.....                                     | 75          | 2, 068      | 15          | 567         |
| Emergency expenditures, total <sup>1</sup> .....                               | 767, 735    | 1, 277, 038 | 4, 004, 136 | 3, 664, 591 |
| Agricultural Adjustment Administration <sup>8</sup> .....                      | —           | 9, 332      | —           | 150, 279    |
| Commodity Credit Corporation <sup>8</sup> .....                                | —           | —           | 164, 342    | 4 60, 144   |
| Farm Credit Administration <sup>8</sup> .....                                  | 61, 867     | 73, 694     | 146, 443    | 141, 501    |
| Federal Farm Mortgage Corporation <sup>8</sup> .....                           | —           | 110         | 190, 890    | (10)        |
| Federal land banks <sup>8</sup> .....                                          | —           | —           | 47, 893     | 46, 108     |
| Federal Emergency Relief Administration <sup>9</sup> .....                     | (11)        | 37, 910     | 667, 299    | 1, 737, 772 |
| Federal Surplus Relief Corporation <sup>9</sup> .....                          | —           | —           | 40, 054     | 76, 571     |
| Civil Works Administration <sup>9</sup> .....                                  | —           | —           | 805, 123    | 11, 327     |
| Emergency conservation work.....                                               | —           | —           | 331, 941    | 435, 509    |
| Department of Agriculture—relief.....                                          | —           | —           | —           | 80, 561     |
| Public Works:                                                                  | —           | —           | —           | —           |
| Boulder Canyon project.....                                                    | —           | —           | 19, 445     | 23, 821     |
| Loans and grants to States, municipalities, etc.....                           | —           | —           | 78, 696     | 137, 707    |
| Loans to railroads.....                                                        | —           | —           | 70, 739     | 66, 231     |
| Public highways.....                                                           | —           | —           | 207, 882    | 317, 337    |
| Public building construction and sites, Treasury Department <sup>3</sup> ..... | —           | —           | 3, 190      | 32, 757     |
| River and harbor works <sup>3</sup> .....                                      | —           | —           | 72, 450     | 147, 925    |
| National defense: <sup>3</sup>                                                 | —           | —           | —           | —           |
| Army.....                                                                      | —           | —           | 38, 023     | 61, 299     |
| Navy.....                                                                      | —           | —           | 22, 641     | 115, 037    |
| Tennessee Valley Authority.....                                                | —           | —           | 11, 037     | 36, 149     |
| All other, including administrative expense.....                               | —           | —           | 69, 431     | 118, 278    |

For footnotes see p. 187.

## No. 172.—RECEIPTS AND EXPENDITURES: BY MAJOR CLASSIFICATIONS—Contd.

(In thousands of dollars. Figures are for years ending June 30)

|                                                                                  | 1932      | 1933      | 1934       | 1935      |
|----------------------------------------------------------------------------------|-----------|-----------|------------|-----------|
| GENERAL AND SPECIAL ACCOUNTS—continued                                           |           |           |            |           |
| Home loan system:                                                                |           |           |            |           |
| Home-loan bank, capital stock.....                                               |           | 42,970    | 38,476     | 200       |
| Home Owners' Loan Corporation, capital stock.....                                |           | 1,000     | 153,000    | 46,000    |
| Federal savings and loan associations.....                                       |           |           | 755        | 29,487    |
| Emergency housing.....                                                           |           |           | 309        | 6,480     |
| Federal Housing Administration <sup>2</sup> .....                                |           |           |            | 15,964    |
| Resettlement Administration.....                                                 |           |           |            | 1,762     |
| Subsistence homesteads.....                                                      |           |           | 2,372      | 3,062     |
| Export-Import Banks of Washington <sup>3</sup> .....                             |           |           | 2,654      | 42,616    |
| Federal Deposit Insurance Corporation.....                                       |           |           | 149,502    | 498       |
| Administration for Industrial Recovery.....                                      |           |           | 6,632      | 12,497    |
| Reconstruction Finance Corp., direct operations.....                             | 705,868   | 1,121,354 | 12 584,623 | 4 156,585 |
| Total general and emergency expenditures.....                                    | 6,153,845 | 5,142,954 | 7,105,080  | 7,375,825 |
| Excess of expenditures over receipts.....                                        | 3,147,919 | 3,063,257 | 3,989,496  | 3,575,368 |
| Less public debt retirements.....                                                | 412,630   | 461,605   | 359,894    | 573,558   |
| Excess of expenditures excluding public-debt retirements.....                    | 2,735,290 | 2,601,652 | 3,629,632  | 3,001,800 |
| TRUST AND CONTRIBUTED ACCOUNTS AND INCREMENT ON GOLD <sup>12</sup>               |           |           |            |           |
| Receipts, total.....                                                             | 115,503   | 158,689   | 2,973,556  | 371,510   |
| Trust accounts:                                                                  |           |           |            |           |
| District of Columbia.....                                                        | 36,894    | 33,357    | 33,254     | 47,957    |
| Government life insurance fund.....                                              | 71,907    | 71,145    | 72,026     | 69,532    |
| Adjusted service certificate fund <sup>14</sup> .....                            |           | 5,795     | 4,807      | 5,781     |
| Civil-service retirement fund <sup>14</sup> .....                                |           | 40,089    | 36,238     | 40,740    |
| Foreign service retirement fund <sup>14</sup> .....                              |           | 202       | 202        | 284       |
| Canal Zone retirement fund <sup>14</sup> .....                                   |           | 651       | 695        | 649       |
| Indian tribal funds.....                                                         | 3,089     | 2,777     | 4,040      | 6,681     |
| Territories and possessions, internal revenue, proc. taxes, etc.....             |           |           |            | 28,551    |
| Other <sup>15</sup> .....                                                        | 3,613     | 4,675     | 6,998      | 31,812    |
| Unclassified items.....                                                          |           |           |            | 4 2,687   |
| Increment resulting from reduction in weight of gold dollar.....                 |           |           | 2,811,376  | 1,735     |
| Seigniorage <sup>16</sup> .....                                                  |           |           |            | 140,111   |
| Expenditures, total.....                                                         | 120,681   | 163,689   | 2,138,676  | 4 150,543 |
| Trust accounts:                                                                  |           |           |            |           |
| District of Columbia, including teachers' retirement fund.....                   | 39,525    | 34,604    | 30,690     | 42,811    |
| Government life insurance fund.....                                              | 74,845    | 70,899    | 71,496     | 68,694    |
| Adjusted service certificate fund.....                                           | 4 6,096   | 6,420     | 6,233      | 6,529     |
| Civil service retirement fund.....                                               | 10        | 40,067    | 38,483     | 40,784    |
| Foreign service retirement fund.....                                             | 4 9       | 238       | 265        | 302       |
| Canal Zone retirement fund.....                                                  | 4 26      | 539       | 575        | 575       |
| Indian tribal funds.....                                                         | 0,723     | 4,476     | 1,618      | 1,295     |
| Other <sup>15</sup> .....                                                        | 2,943     | 3,791     | 4 10,843   | 4,687     |
| Unclassified items.....                                                          | 205       | 117       | 156        | 304       |
| Transactions in checking accounts of govern'l agencies (net) <sup>16</sup> ..... |           |           |            | 4 429,529 |
| Chargeable against increment on gold:                                            |           |           |            |           |
| Exchange stabilization fund.....                                                 |           |           | 2,000,000  | -----     |
| Melting losses, etc.....                                                         |           |           |            | 675       |
| Payments to Federal Reserve banks <sup>17</sup> .....                            |           |           |            | 20,932    |
| For retirement of national bank notes.....                                       |           |           |            | 91,416    |
| Excess of receipts (+) or expenditures (-).....                                  | -5,178    | -5,010    | +834,880   | +522,055  |

<sup>1</sup> Emergency expenditures (except Reconstruction Finance Corporation) were not classified separately prior to the fiscal year 1934 and are included in general expenditures. Totals for 1934 and 1935 are, therefore, not comparable with totals for prior years.

<sup>2</sup> Additional emergency expenditures for 1934 and 1935 are included under "Public Works."

<sup>3</sup> Public building construction and sites, Treasury Department, and War Department (nonmilitary) are included under Treasury Dept., departmental, and National Defense—Army, respectively, prior to 1934.

<sup>4</sup> Credit, deduct. <sup>5</sup> Includes road construction.

<sup>6</sup> Additional expenditures under this account are shown under emergency expenditures.

<sup>7</sup> Beginning May 27, 1933, repayments of loans from Agricultural Marketing Fund, Federal Farm Board, and interest thereon, are reflected as credits in expenditures of Farm Credit Administration.

<sup>8</sup> Additional expenditures under this account are shown under general expenditures.

<sup>9</sup> Figures include expenditures from funds allocated by the Reconstruction Finance Corporation. Commodity Credit Corporation expenditures for 1934 are exclusive of \$18,800,000 for this purpose included under Reconstruction Finance Corporation, direct loans and expenditures, reimbursement on account of which was effected in the fiscal year 1935.

<sup>10</sup> Less than \$500.

<sup>11</sup> Advances to States under 1932 Relief Act of \$298,560,000 are included under Reconstruction Finance Corporation, direct loans and expenditures.

<sup>12</sup> Includes \$18,800,000 for Commodity Credit Corporation. See note 9.

<sup>13</sup> Receipts and expenditures on account of contributed funds are included in "Other" trust funds beginning with 1934; prior to 1934, such receipts and expenditures were included under special accounts.

<sup>14</sup> Since July 1, 1932, deductions from salaries credited to the civil service, foreign service, and Canal Zone retirement funds and earnings from investments of such funds and of adjusted service certificate fund have been classified as receipts; prior thereto, such items were used to offset expenditures for these funds.

<sup>15</sup> See note 9, table 173. <sup>16</sup> See note 10, table 174. <sup>17</sup> Sec. 13 b, Federal Reserve Act, as amended.

Source: Reports of the Treasury Department.

## No. 173.—RECEIPTS BY SOURCES: YEAR ENDED JUNE 30, 1935

NOTE—Data are on the basis of warrants issued. See general note, p. 163

| Source                                                                               | Amount        | Source                                                                                      | Amount        |
|--------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------------|---------------|
| REVENUE RECEIPTS                                                                     |               | REVENUE RECEIPTS—continued                                                                  |               |
| General and special accounts:                                                        | 1,000 dollars | General and special accounts—Contd.                                                         | 1,000 dollars |
| Internal revenue:                                                                    |               | Assessments:                                                                                |               |
| Income taxes:                                                                        | 3,276,824     | Colorado River Dam fund, Boulder Canyon project:                                            | 96            |
| Miscellaneous taxes:                                                                 | 1,099,230     | On railroads for expenses of Federal Coordinator of Transportation:                         | 526           |
| Processing tax on farm products:                                                     | 1,658,797     | On Federal and joint-stock land banks and Federal intermediate credit banks:                | 465           |
| Customs (excluding tonnage tax):                                                     | 517,797       | On Federal Home Loan banks:                                                                 | 248           |
| Miscellaneous taxes:                                                                 | 344,298       | Immigration Service overtime:                                                               | 69            |
| Tax on national bank circulation:                                                    | 6,888         | Other:                                                                                      | 30            |
| Tonnage tax:                                                                         | 4,366         | Reimbursements:                                                                             | 5,621         |
| Immigration head tax:                                                                | 1,434         | Collections under Grain and Cotton Standards Acts:                                          | 119           |
| Taxes, licenses, etc., Canal Zone:                                                   | 72            | By District of Columbia for advances for acquisition of lands under act May 29, 1930:       | 531           |
| Interest, exchange, and dividends:                                                   | 32,797        | Maintenance of District of Columbia inmates in Federal penal and correctional institutions: | 122           |
| Interest on deferred collections or payments:                                        | 52            | By contractors for excess cost over contract price:                                         | 155           |
| Interest on bonds of foreign governments under funding agreements:                   | 800           | Expenses of redeeming national currency:                                                    | 464           |
| Interest on farmers' seed loans:                                                     | 265           | Inspection of food and farm products:                                                       | 309           |
| Interest on public deposits:                                                         | 160           | Gov't property lost or damaged:                                                             | 527           |
| Interest on obligations of Reconstruction Finance Corporation:                       | 23,942        | Hospitalization charges and expenses:                                                       | 66            |
| Interest on money loaned from construction loan funds (U. S. Shipping Board Bureau): | 2,918         | Expenses of international service of ice observations and patrol:                           | 95            |
| Interest on loans to States, municipalities, etc., Pub. Wks. Adm.:                   | 1,616         | Under Federal Hunting Stamp Act:                                                            | 150           |
| Miscellaneous interest:                                                              | 152           | Maintenance and operation charges, irrigation systems, Indian Service:                      | 520           |
| Gain by exchange:                                                                    | 27            | Of appropriations for Indian tribes:                                                        | 168           |
| Dividends, Panama Railroad:                                                          | 360           | Reclamation fund, collections:                                                              | 2,216         |
| Dividends on shares of Federal Savings and loan associations:                        | 77            | Other:                                                                                      | 178           |
| Military and naval insurance:                                                        | 506           | Gifts and contributions:                                                                    | 113           |
| Railroad obligations:                                                                | 352           | New York Liberty Loan Association:                                                          | 100           |
| Dividends, Fed. Home Loan banks:                                                     | 1,561         | Other:                                                                                      | 13            |
| Earnings of War Finance Corp'n:                                                      | 160           | Sales of Government property (products):                                                    | 2,393         |
| Fines and penalties:                                                                 | 6,658         | Scrap and salvaged materials, condemned stores, waste paper, etc.:                          | 1,067         |
| Judicial:                                                                            | 399           | Agricultural products (incl. dairy):                                                        | 88            |
| Customs Service:                                                                     | 312           | Card indexes, Library of Congress:                                                          | 208           |
| Immigration Service:                                                                 | 48            | Public documents, charts, maps, etc.:                                                       | 447           |
| Enforcement of National Prohibition Act (Judicial):                                  | 74            | Electric current:                                                                           | 58            |
| Liquidated damages:                                                                  | 255           | Heat, light, and power:                                                                     | 135           |
| Recovery of value of oil—U. S. vs. Pan American Petroleum Co.:                       | 5,500         | Ice:                                                                                        | 57            |
| Other:                                                                               | 71            | Occupational therapy products:                                                              | 54            |
| Fees:                                                                                | 12,354        | Seal and fox skins, and furs:                                                               | 108           |
| Agricultural Commodities Act:                                                        | 69            | Other:                                                                                      | 170           |
| Clerks, United States courts:                                                        | 1,778         | Sales of services:                                                                          | 27,468        |
| Commissions on telephone pay stations in Federal buildings:                          | 68            | Alaska Railroad fund receipts:                                                              | 1,500         |
| Consular and passport:                                                               | 3,409         | Earnings by U. S. transports:                                                               | 58            |
| Copyright:                                                                           | 260           | Laundry and dry cleaning:                                                                   | 924           |
| Immigration (registration):                                                          | 92            | Overhead charges on sales of services or supplies (War and Navy):                           | 87            |
| Indian lands and timber:                                                             | 87            | Quarantine charges (incl. fumigation, inspection, etc., of vessels):                        | 225           |
| Land offices (incl. commissions):                                                    | 108           | Storage and other charges:                                                                  | 164           |
| Marshals, United States courts:                                                      | 171           | Telephone, telegraph, and radio:                                                            | 358           |
| Migratory-bird hunting stamps:                                                       | 467           | Tolls and profits, Panama Canal:                                                            | 24,020        |
| Naturalization:                                                                      | 1,169         | Other:                                                                                      | 132           |
| Navigation:                                                                          | 179           | Rents and royalties:                                                                        | 5,160         |
| Patent:                                                                              | 4,078         | Rent of public buildings, etc.:                                                             | 232           |
| Registration, Securities Act:                                                        | 105           | Rent of land:                                                                               | 115           |
| Testing:                                                                             | 59            | Receipts under mineral leasing acts:                                                        | 3,926         |
| Other:                                                                               | 184           | Royalties on oil, gas, etc.:                                                                | 639           |
| Forfeitures:                                                                         | 1,647         | Rent of equipment:                                                                          | 83            |
| Bonds of aliens, contractors, etc.:                                                  | 645           | Rent of water-power sites:                                                                  | 75            |
| Customs Service:                                                                     | 603           | Other:                                                                                      | 89            |
| Under enforcement of National Prohibition Act (Judicial):                            | 82            |                                                                                             |               |
| Unclaimed moneys and wages remaining in registry of courts:                          | 184           |                                                                                             |               |
| Unclaimed merchandise:                                                               | 76            |                                                                                             |               |
| Other:                                                                               | 58            |                                                                                             |               |

<sup>1</sup> Repayments to appropriations, representing cash receipts credited to appropriations.<sup>2</sup> Receipts on account of obligations acquired under Federal Control Act and Transportation Act, 1920.<sup>3</sup> For expenses of examination, Farm Credit Administration.<sup>4</sup> For salaries and expenses, Federal Home Loan Bank Board.<sup>5</sup> Includes auxiliary reclamation fund, Yuma project, Arizona.

## No. 173.—RECEIPTS BY SOURCES: YEAR ENDED JUNE 30, 1935—Continued

| Source                                                                                        | Amount           | Source                                                                                           | Amount           |
|-----------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------|------------------|
| REVENUE RECEIPTS—continued                                                                    |                  | NONREVENUE RECEIPTS—continued                                                                    |                  |
| General and special accounts—Contd.                                                           | 1,000<br>dollars | Trust accounts—Continued                                                                         | 1,000<br>dollars |
| Permits, privileges, and licenses.....                                                        | 1, 827           | Deposits of funds of Federal prisoners.....                                                      | 547              |
| Alaska fund.....                                                                              | 257              | Pension money and personal funds,<br>patients, St. Elizabeths Hospital.....                      | 142              |
| Business concessions.....                                                                     | 182              | Naval fines and forfeitures.....                                                                 | 205              |
| Immigration permits.....                                                                      | 178              | Naval Hospital fund.....                                                                         | 402              |
| Licenses under Fed. water power act.....                                                      | 571              | Profit from sale of ships' stores, Navy.....                                                     | 210              |
| Permits to enter national parks.....                                                          | 620              | Pay of the Navy, deposit fund.....                                                               | 33               |
| Other.....                                                                                    | 19               | Pay of Marine Corps, deposit fund.....                                                           | 74               |
| Mint receipts.....                                                                            | 62, 292          | Pay of the Army, deposit fund.....                                                               | 848              |
| Profits on coinage, etc.....                                                                  | 4, 139           | Settlement of claims, Special Claims<br>Commission, between the United<br>States and Mexico..... | 500              |
| Seigniorage.....                                                                              | 58, 153          | Internal revenue, Puerto Rico.....                                                               | 25               |
| Forest reserve fund.....                                                                      | 3, 391           | Internal revenue, etc., Philippine Is.:<br>Coconut oil tax.....                                  | 17, 142          |
| Deposits, postal funds, Canal Zone.....                                                       | 294              | Other internal revenue.....                                                                      | 474              |
| U. S. share, Dist. of Col. receipts.....                                                      | 79               | Customs duty and tonnage tax.....                                                                | 17               |
| Total revenue receipts.....                                                                   | 3, 780, 551      | Income tax on railroads in Alaska.....                                                           | 3                |
| NONREVENUE RECEIPTS                                                                           |                  | Processing taxes, sugar:<br>Hawaii.....                                                          | 515              |
| General and special accounts:                                                                 |                  | Philippine Islands.....                                                                          | 6, 765           |
| Repayment of investments.....                                                                 | 7, 320           | Puerto Rico.....                                                                                 | 7, 724           |
| Railroad obligations <sup>a</sup> .....                                                       | 6, 519           | Virgin Islands.....                                                                              | 44               |
| Repayment of loans to railroads,<br>Public Works Administration.....                          | 83               | Processing taxes, miscellaneous:<br>Canal Zone.....                                              | 21               |
| Repayment of loans to States, municip-<br>alities, etc., Public Works Admin-<br>stration..... | 525              | Philippine Islands.....                                                                          | 407              |
| Principal of bonds of foreign govern-<br>ments under funding agreements.....                  | 67               | Soldiers' Home permanent fund.....                                                               | 279              |
| Principal of Government-owned<br>securities, sale of war supplies.....                        | 66               | Civilian Conservation Corps, with-<br>held cash allowances.....                                  | 1, 663           |
| Construction costs of public works<br>in Colon and Panama.....                                | 56               | Indian moneys:<br>Proceeds of labor.....                                                         | 1, 218           |
| Other.....                                                                                    | 87               | Sales and leases of Indian lands, etc.<br>Miscellaneous trust funds.....                         | 5, 478<br>189    |
| Sales of public lands.....                                                                    | 3, 014           | Contributed accounts:<br>Forest Service cooperative work.....                                    | 701              |
| Sales of Government property.....                                                             | 160              | Library of Congress, gift fund and<br>trust fund.....                                            | 119              |
| Capital equipment, trucks, horses,<br>cars, machinery, furniture, etc.....                    | 1, 253           | Railroad retirement fund.....                                                                    | 141              |
| Land and buildings.....                                                                       | 1, 062           | Collections, distilled spirits industry<br>parity payments.....                                  | 764              |
| Lands, etc., on account of military-<br>post construction fund.....                           | 124              | Donations, National Park Service.....                                                            | 589              |
| War supplies and ordnance material<br>Oregon and California land-grant<br>fund.....           | 324              | Receipts, Welfare and Recreational<br>Ass'n of Pub. Bldgs. and Grounds.....                      | 1, 077           |
| Other.....                                                                                    | 91               | For roads, bridges, etc., Alaska.....                                                            | 58               |
| Total nonrevenue receipts, general<br>and special accounts.....                               | 10, 421          | Contributions to reclamation fund.....                                                           | 469              |
| Trust accounts:                                                                               |                  | For river and harbor improvements.....                                                           | 2, 521           |
| Government life-insurance fund.....                                                           | 69, 757          | For flood control.....                                                                           | 186              |
| Adjusted service certificate fund, in-<br>terest on investments and loans.....                | 5, 848           | Miscellaneous.....                                                                               | 87               |
| Canal Zone retirement fund:<br>Contributions.....                                             | 459              | District of Columbia receipts <sup>b</sup> .....                                                 | 47, 969          |
| Interest on investments.....                                                                  | 91               | Revenue receipts.....                                                                            | 32, 173          |
| Civil Service retirement fund:<br>Contributions.....                                          | 30, 089          | Nonrevenue receipts.....                                                                         | 15, 786          |
| Interest on investments.....                                                                  | 10, 823          | Total nonrevenue receipts, trust<br>and contributed accounts.....                                | 237, 359         |
| Foreign Service retirement fund:<br>Contributions.....                                        | 179              | Total nonrevenue receipts.....                                                                   | 247, 780         |
| Interest on investments.....                                                                  | 107              | Total revenue and nonrevenue re-<br>ceipts, warrants basis.....                                  | 4, 038, 381      |
| Mutual mortgage insurance fund, in-<br>terest on investments.....                             | 262              | General and special funds.....                                                                   | 3, 800, 972      |
| Deposits, general post funds, Na-<br>tional Homes, Veterans' Admn.....                        | 115              | Trust and contributed funds.....                                                                 | 237, 359         |
| Deposits, funds of patients and incom-<br>petent beneficiaries, Vet. Admn.....                | 2, 194           | Increment resulting from reduction in<br>the weight of the gold dollar.....                      | 1, 723           |
| Deposits of miscellaneous contributed<br>funds, Dept. of Agriculture.....                     | 16, 148          | Seigniorage <sup>c</sup> .....                                                                   | 140, 111         |
| Deposits of collections, U. S. marshall<br>and clerks of U. S. district courts.....           | 1, 424           | Total receipts, warrants basis.....                                                              | 4, 180, 166      |
| Deposit of commissary funds, Fed-<br>eral prisons.....                                        | 267              | Adjustment to basis of daily Treasury<br>statements.....                                         | -8, 188          |
|                                                                                               |                  | Total receipts, basis of daily Treas-<br>ury statements (unrevised).....                         | 4, 171, 977      |
|                                                                                               |                  | General and special accounts.....                                                                | 3, 800, 467      |
|                                                                                               |                  | Trust and contributed accounts.....                                                              | 229, 560         |
|                                                                                               |                  | Increment on gold and seignior-<br>age.....                                                      | 141, 849         |

<sup>a</sup> See notes 1 and 2, p. 188.

<sup>b</sup> Carriers' contributions, \$138,400; employees' contributions, \$2,400.

<sup>c</sup> District of Columbia's share; for United States share see last item under revenue receipts.

<sup>d</sup> Resulting from issuance of silver certificate against silver acquired under Silver Purchase Act of 1934.

Source: Reports of the Treasury Department.



## No. 174.—DETAILS OF EXPENDITURES: YEAR ENDED JUNE 30, 1935

NOTE.—Figures are on the basis of checks issued. See general note, p. 163

| Object of expenditure                                                                   | Amount           | Object of expenditure                                                 | Amount           |
|-----------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------|------------------|
| GENERAL AND SPECIAL FUNDS                                                               |                  | GENERAL AND SPECIAL FUNDS—contd.                                      |                  |
| <b>Legislative:</b>                                                                     | 1,000<br>dollars | <b>Independent Offices—Continued.</b>                                 | 1,000<br>dollars |
| U. S. Senate.....                                                                       | 3, 279           | Veterans' Administration—Contd.                                       | 50, 000          |
| House of Representatives.....                                                           | 8, 073           | Adjusted-service certificate fund <sup>1</sup> .....                  |                  |
| Legislative, miscellaneous.....                                                         | 4                | Total, Veterans' Admn.....                                            | 607, 748         |
| Architect of Capitol.....                                                               | 3, 722           | General.....                                                          | 606, 263         |
| Emergency.....                                                                          | 488              | Emergency.....                                                        | 1, 486           |
| Botanic Garden.....                                                                     | 98               |                                                                       |                  |
| Library of Congress <sup>1</sup> .....                                                  | 2, 196           | <b>Federal Emergency Administration of</b>                            |                  |
| Government Printing Office.....                                                         | 2, 900           | Public Works, emergency.....                                          | 215, 433         |
| Total legislative <sup>1</sup> .....                                                    | 20, 272          | Administrative expenses.....                                          | 14, 701          |
| General.....                                                                            | 19, 783          | Loans and grants to States, municip-                                  |                  |
| Emergency.....                                                                          | 488              | alities, railroads, etc.....                                          | 200, 780         |
| <b>Executive offices.....</b>                                                           | <b>449</b>       | Conversion of inhabited alleys fund,<br>District of Columbia.....     | 61               |
| <b>Independent offices:</b>                                                             |                  | <b>Farm Credit Administration:<sup>2</sup></b>                        |                  |
| American Battle Monuments Com'n.....                                                    | 238              | Salaries and expenses.....                                            | 2, 312           |
| Aviation Commission.....                                                                | 62               | Agric'l marketing revolving fund.....                                 | 5, 921           |
| Board of Tax Appeals.....                                                               | 521              | Revolving fund (emergency account,<br>Farm Credit Act).....           | 7, 500           |
| Chicago World's Fair Centennial.....                                                    | 108              | Farmers crop production and harvest-                                  |                  |
| Civil Service Commission.....                                                           | 1, 893           | ing loans, emergency.....                                             | 42, 348          |
| Calif. Pacific International Exposition.....                                            | 131              | Agricultural credits and rehabilita-                                  |                  |
| Electric Home and Farm Authority, Inc.,<br>emergency.....                               | 742              | tion, emergency relief.....                                           | 21, 718          |
| Employees Compensation Com'n. <sup>1</sup> .....                                        | 4, 530           | Loans to farmers in storm, flood, and<br>drought-stricken areas.....  | 71, 645          |
| Federal Alcohol Control Administration,<br>emergency.....                               | 370              | Emergency.....                                                        | 72, 594          |
| Federal Communications Com'n. <sup>1</sup> .....                                        | 1, 074           | Miscellaneous <sup>1</sup> .....                                      | 218              |
| Federal Coordinator of Transporta-                                                      |                  | Total, Farm Credit Admn. <sup>1</sup> .....                           | 128, 232         |
| tion.....                                                                               | 688              | General.....                                                          | 13, 489          |
| Emergency.....                                                                          | 165              | Emergency.....                                                        | 114, 742         |
| Federal Home Loan Bank Board.....                                                       | 624              |                                                                       |                  |
| Emergency.....                                                                          | 314              | <b>Miscellaneous emergency:</b>                                       |                  |
| Federal Power Commission.....                                                           | 865              | Commodity Credit Corporation.....                                     | 3, 429           |
| Emergency.....                                                                          | 296              | Emergency conservation work.....                                      | 546, 730         |
| Federal Trade Commission <sup>1</sup> .....                                             | 1, 523           | Export-import banks of Washington.....                                | 3 3              |
| Emergency.....                                                                          | 52               | Federal Civil Works Administration.....                               | 41, 576          |
| General Accounting Office <sup>1</sup> .....                                            | 5, 043           | Federal Emergency Housing Corp.....                                   | 5, 843           |
| Emergency.....                                                                          | 868              | Federal Housing Administration <sup>1</sup> .....                     | 3, 1, 000        |
| Interstate Commerce Commission <sup>1</sup> .....                                       | 5, 567           | Federal Emergency Relief Admn.....                                    | 31, 816, 974     |
| Nat'l Adv'y Com'tee for Aeronautics.....                                                | 1, 146           | Admn. for Industrial Recovery.....                                    | 12, 633          |
| Emergency.....                                                                          | 351              | Subsistence Homesteads.....                                           | 4, 113           |
| National Archives.....                                                                  | 33               | Rural Electrification Administration.....                             | 2, 266           |
| National Banking Emergency Act.....                                                     | 84               | Rural Electrification Admn.....                                       | 80               |
| Nat'l Cap'l Park and Planning<br>Com'n. <sup>1</sup> .....                              | 255              | Tennessee Valley Authority.....                                       | 38, 648          |
| Nat'l Emergency Council, emergency.....                                                 | 839              | Total independent offices <sup>1</sup> .....                          | 2, 748, 597      |
| National Mediation Board.....                                                           | 223              | General.....                                                          | 669, 682         |
| National Resources Board, emergency.....                                                | 956              | Emergency.....                                                        | 2, 077, 889      |
| Office of Special Advisor to the President<br>on Foreign Trade, emergency.....          | 295              |                                                                       |                  |
| Prison Industries Fund.....                                                             | 151              | <b>Department of Agriculture:</b>                                     |                  |
| Railroad Admn. and Transp'n Act.....                                                    | 54               | Office of the Secretary.....                                          | 705              |
| Securities and Exchange Com'n. <sup>1</sup> .....                                       | 1, 406           | Emergency.....                                                        | 96               |
| Smithsonian Institution.....                                                            | 651              | Office of Information.....                                            | 1, 015           |
| U. S. Supreme Court Bldg. Com'n. <sup>1</sup> .....                                     | 1, 804           | Library.....                                                          | 91               |
| U. S. Tariff Commission.....                                                            | 872              | Office of Experiment Stations.....                                    | 4, 801           |
| Welfare and Recreational Association<br>of Public Bldgs. and Grounds <sup>1</sup> ..... | 161              | Extension Service.....                                                | 868              |
| Operations under Mineral Act of 1918.....                                               | 65               | Cooperative extension work.....                                       | 8, 580           |
| Misc. commissions, boards, etc. <sup>1</sup> .....                                      | 21               | Weather Bureau.....                                                   | 3, 278           |
| Emergency.....                                                                          | 19               | Emergency.....                                                        | 90               |
| Total above offices <sup>1</sup> .....                                                  | 33, 124          | Bureau of Animal Industry.....                                        | 6, 555           |
| General.....                                                                            | 28, 074          | Emergency.....                                                        | 688              |
| Emergency.....                                                                          | 6, 080           | Meat inspection, Bu. of Animal Ind.....                               | 4, 973           |
| Civil Service retirement fund <sup>1</sup> .....                                        | 20, 850          | Bureau of Dairy Industry.....                                         | 701              |
| <b>Veterans' Administration:</b>                                                        |                  | Emergency.....                                                        | 130              |
| Salaries and expenses.....                                                              | 77, 068          | Bureau of Plant Industry.....                                         | 4, 803           |
| Adjusted service and dependent pay.....                                                 | 1, 361           | Emergency.....                                                        | 1, 193           |
| Hospital and domiciliary facilities<br>and services.....                                | 1, 345           | Forest Service <sup>1</sup> .....                                     | 18, 111          |
| Military and naval compensation.....                                                    | 603              | Emergency.....                                                        | 6, 889           |
| Military and naval insurance.....                                                       | 100, 783         | Payments to States and Territories<br>from national forest funds..... | 845              |
| Nat'l Ind. Rec., Vet. Adm'n, emerg.....                                                 | 1, 436           | Acquisition of additional forest lands.....                           | 105              |
| Army and Navy pensions.....                                                             | 373, 805         | Bureau of Chemistry and Soils.....                                    | 1, 517           |
| Miscellaneous <sup>1</sup> .....                                                        | 1, 299           | Emergency.....                                                        | 121              |
| Total.....                                                                              | 557, 748         | Bureau of Biological Survey.....                                      | 1, 882           |
| General.....                                                                            | 556, 263         | Emergency.....                                                        | 667              |
| Emergency.....                                                                          | 1, 486           | Bureau of Agricultural Economics.....                                 | 5, 254           |
|                                                                                         |                  | Bureau of Agricultural Engineering.....                               | 487              |
|                                                                                         |                  | Emergency.....                                                        | 121              |
|                                                                                         |                  | Bureau of Home Economics.....                                         | 186              |

<sup>1</sup> For trust fund expenditures, see p. 173.<sup>2</sup> Credit, deduct.<sup>3</sup> Excluding expenditures from Rec. Fin. Corp. funds.<sup>4</sup> Includes \$0,000 general expenditure.

## No. 174.—DETAILS OF EXPENDITURES: YEAR ENDED JUNE 30, 1935—Continued

| Object of expenditure                                                | Amount    | Object of expenditure                                  | Amount  |
|----------------------------------------------------------------------|-----------|--------------------------------------------------------|---------|
| GENERAL AND SPECIAL FUNDS—contd.                                     |           | GENERAL AND SPECIAL FUNDS—contd.                       |         |
| Department of Agriculture—Continued.                                 | 1,000     | Department of the Interior—Continued.                  | dollars |
| Bureau of Entomology and Plant Quarantine.....                       | 7,702     | Bureau of Reclamation <sup>1</sup> .....               | 17,082  |
| Emergency.....                                                       | 2,689     | Emergency.....                                         | 15,645  |
| Enforcement of Grain Futures Act.....                                | 189       | Geological Survey.....                                 | 4,305   |
| Food and Drug Administration.....                                    | 1,669     | Emergency.....                                         | 2,911   |
| Emergency.....                                                       | 51        | National Park Service <sup>1</sup> .....               | 20,514  |
| Conservation Service.....                                            | 9,995     | Emergency.....                                         | 13,594  |
| Emergency.....                                                       | 9,889     | Office of Education.....                               | 14,146  |
| Miscellaneous <sup>1</sup> .....                                     | 447       | Div. of Territories and Island Poss'ns.                | 40      |
| Emergency.....                                                       | 549       | Emergency.....                                         | 5       |
| Total, Agriculture, departmental <sup>1</sup> .....                  | 84,555    | Government in Territories <sup>1</sup> .....           | 4,906   |
| General.....                                                         | 61,728    | Emergency.....                                         | 1,611   |
| Emergency.....                                                       | 22,827    | Beneficiaries <sup>1</sup> .....                       | 3,196   |
| Agricultural Adjustment Admn.:.....                                  |           | Emergency.....                                         | 1,099   |
| Advances to Agr. Adj. Admn.                                          | 563,539   | Bureau of Mines.....                                   | 1,559   |
| Advances to Secretary of Agriculture for cotton, emergency.....      | 22,500    | Emergency.....                                         | 202     |
| Advances to Dept. of Agriculture under Tobacco Act of June 28, 1934. | 371       | Interior, civil, miscellaneous <sup>1</sup> .....      | 559     |
| Nat'l Ind'l Rec., Agr. Adj. Admn., Nat'l Rec. Admn. codes, emerg.    | 453       | Emergency.....                                         | 96      |
| Refunding processing taxes.....                                      | 32,065    | Indian Affairs: <sup>1</sup>                           |         |
| Nat'l Ind'l Recovery, emergency.....                                 | 34,241    | Salaries and general expenses.....                     | 8,377   |
| Salaries and expenses, emergency.....                                | 87,551    | Emergency.....                                         | 6,973   |
| Administration of cotton act of 1934.                                | 8,229     | Education.....                                         | 8,140   |
| Purchase of sugar from processing taxes.....                         | 366       | General support and administration.....                | 2,271   |
| Total Agr. Adjustment Admn. <sup>1</sup> .....                       | 749,384   | Miscellaneous expenses.....                            | 8,465   |
| General.....                                                         | 604,570   | Emergency.....                                         | 1,952   |
| Emergency.....                                                       | 144,805   | Interest on Indian tribal funds.....                   | 666     |
| Public highways, emergency:                                          |           | Total, Interior, departmental <sup>1</sup> .....       | 100,133 |
| Rural road construction, incl. N. I. R.                              | 303,272   | General.....                                           | 54,155  |
| Flood relief, restoration of roads, etc.                             | 144       | Emergency.....                                         | 45,979  |
| Forest roads, trails, and highways.....                              | 386       | Boulder Canyon project, emergency.....                 | 23,987  |
| Loans and relief in stricken agricultural areas, emergency.....      | 80,891    | Total, Department of the Interior <sup>1</sup> .....   | 124,120 |
| Total, Department of Agriculture <sup>1</sup> .....                  | 1,213,464 | General.....                                           | 54,155  |
| General.....                                                         | 666,298   | Emergency.....                                         | 69,966  |
| Emergency.....                                                       | 552,156   | Department of Justice:                                 |         |
| Department of Commerce:                                              |           | Office of the Attorney General:                        |         |
| Office of the Secretary.....                                         | 775       | Salaries and expenses.....                             | 1,792   |
| Fed. Employment Stabilization Bd.                                    | 31        | Miscellaneous objects.....                             | 524     |
| Aircraft in Commerce.....                                            | 6,549     | Bureau of Prisons.....                                 | 198     |
| Emergency.....                                                       | 1,947     | Division of Accounts.....                              | 130     |
| Bureau of Foreign and Domestic Commerce.....                         | 2,458     | Division of Investigation.....                         | 4,527   |
| Bureau of the Census.....                                            | 4,526     | Alcohol Beverage Unit.....                             | 217     |
| Bureau of Navigation and Steamboat Inspection Service.....           | 1,436     | Veterans' insurance litigation.....                    | 573     |
| Emergency.....                                                       | 72        | Miscellaneous.....                                     | 210     |
| Bureau of Standards.....                                             | 1,460     | The Judiciary:                                         |         |
| Emergency.....                                                       | 25        | Salaries and expenses, Supreme Court.....              | 329     |
| Bureau of Lighthouses.....                                           | 12,440    | Salaries and expenses of judges.....                   | 2,252   |
| Emergency.....                                                       | 3,439     | Court of Customs and Patent Appeals.....               | 91      |
| Coast and Geodetic Survey.....                                       | 6,516     | U. S. Customs Court.....                               | 218     |
| Emergency.....                                                       | 4,453     | Court of Claims.....                                   | 226     |
| Bureau of Fisheries <sup>1</sup> .....                               | 1,607     | Territorial courts.....                                | 85      |
| Emergency.....                                                       | 272       | Panama Canal Zone, salaries, district court.....       | 43      |
| Patent Office.....                                                   | 4,149     | U. S. Court for China.....                             | 51      |
| Miscellaneous.....                                                   | 2         | Expenses, etc., United States courts.....              | 12,574  |
| Total, Commerce, departmental <sup>1</sup> .....                     | 42,249    | Miscellaneous.....                                     | 59      |
| General.....                                                         | 32,061    | Private relief acts.....                               | 103     |
| Emergency.....                                                       | 10,187    | Special deposit accounts <sup>1</sup> .....            | 109     |
| U. S. Shipping Board Bureau.....                                     | 221,681   | Penal and correctional institutions <sup>1</sup> ..... | 8,722   |
| Total, Department of Commerce <sup>1</sup> .....                     | 20,588    | Emergency.....                                         | 511     |
| General.....                                                         | 10,381    | Total, Department of Justice <sup>1</sup> .....        | 32,813  |
| Emergency.....                                                       | 10,187    | General.....                                           | 32,301  |
| Department of the Interior:                                          |           | Emergency.....                                         | 511     |
| Office of the Secretary.....                                         | 2,639     | Department of Labor:                                   |         |
| Emergency.....                                                       | 1,556     | Office of the Secretary.....                           | 852     |
| Mt. Rushmore Nat'l Memorial Com.                                     | 55        | Emergency.....                                         | 79      |
| Geo. Rogers Clark Sesquicent'l Com'n.                                | 128       | Bureau of Labor Statistics.....                        | 853     |
| General Land Office <sup>1</sup> .....                               | 3,105     | Emergency.....                                         | 174     |
| Emergency.....                                                       | 534       | Bureau of Immigration and Naturalization.....          | 9,033   |
|                                                                      |           | Emergency.....                                         | 117     |
|                                                                      |           | Children's Bureau.....                                 | 342     |
|                                                                      |           | Women's Bureau.....                                    | 147     |
|                                                                      |           | U. S. Employment Service.....                          | 7,019   |
|                                                                      |           | Emergency.....                                         | 6,135   |

<sup>1</sup> For trust fund expenditures, see p. 173.<sup>2</sup> Credit, deduct.

## No. 174.—DETAILS OF EXPENDITURES: YEAR ENDED JUNE 30, 1935—Continued

| Object of expenditures                        | Amount           | Object of expenditures                     | Amount           |
|-----------------------------------------------|------------------|--------------------------------------------|------------------|
| GENERAL AND SPECIAL FUNDS—contd.              |                  | GENERAL AND SPECIAL FUNDS—contd.           |                  |
| Department of Labor—Continued.                | 1,000<br>dollars | Treasury Department—Continued.             | 1,000<br>dollars |
| Nat'l. Labor Relations Bd., emergency         | 628              | Bureau of Internal Revenue:                |                  |
| Textile Labor Relations Bd., emergency        | 209              | Collecting the revenue                     | 42,125           |
| Other labor relations boards, emergency       | 38               | Bureau of Narcotics                        | 1,225            |
| Miscellaneous <sup>1</sup>                    | 44               | Const. Guard                               | 24,706           |
| Total Department of Labor <sup>1</sup>        | 19,192           | Emergency                                  | 4,968            |
| General                                       | 12,188           | Bureau of Engraving and Printing           | 5,069            |
| Emergency                                     | 6,404            | Secret Service Division                    | 761              |
| Navy Department:                              |                  | Public Health Service <sup>1</sup>         | 10,201           |
| Salaries, Navy Department                     | 3,586            | Emergency                                  | 718              |
| Contingent expenses, etc.                     | 563              | Bureau of the Mint                         | 882              |
| Office of the Secretary                       | 3,000            | To promote the education of the blind      | 75               |
| Emergency                                     | 1,583            | Miscellaneous <sup>1</sup>                 | 1,787            |
| Bureau of Navigation <sup>1</sup>             | 4,704            | Expenses, Emergency Banking, Gold          |                  |
| Bureau of Engineering                         | 14,615           | Reserve, and Silver Purchase Acts          | 3,731            |
| Emergency                                     | 39               | Procurement Division:                      |                  |
| Bureau of Construction and Repair             | 14,386           | Supply branch                              | 97               |
| Bureau of Ordnance                            | 11,887           | Repairs, equipment, etc., pub. bldgs.      | 1,915            |
| Emergency                                     | 116              | Operating expenses, public buildings       | 2,308            |
| Bureau of Supplies and Accounts:              |                  | Total, Treasury, departmental <sup>1</sup> | 130,888          |
| Fuel and Transportation                       | 6,797            | General                                    | 120,681          |
| Maintenance                                   | 7,701            | Emergency                                  | 6,107            |
| Supplies and Accounts, N. I. R.,              |                  | Refunds of receipts:                       |                  |
| emergency                                     | 76               | Customs                                    | 20,975           |
| Naval supply account fund                     | 12,283           | Internal Revenue <sup>1</sup>              | 25,406           |
| Pay subsistence, etc., Navy                   | 149,458          | Procurement Div., sites, construction,     |                  |
| Naval working fund                            | 12,787           | etc.:                                      |                  |
| Miscellaneous <sup>1</sup>                    | 2,311            | Post offices, customs houses, etc.         | 55,333           |
| Bureau of Medicine and Surgery <sup>1</sup>   | 2,022            | Emergency                                  | 33,189           |
| Bureau of Yards and Docks                     | 10,048           | Inspection stations                        | 78               |
| Emergency                                     | 12,588           | Marine hospitals                           | 732              |
| Bureau of Aeronautics                         | 21,783           | Total                                      | 50,144           |
| Emergency                                     | 4,480            | General                                    | 22,956           |
| Naval Academy                                 | 1,082            | Emergency                                  | 33,189           |
| Marine Corps:                                 |                  | Federal land banks—                        |                  |
| Pay                                           | 15,153           | Subscriptions to capital stock             | 1,930            |
| General expenses and other items <sup>1</sup> | 6,007            | Subscriptions to paid-in surplus,          |                  |
| Alterations to Navy vessels                   | 2,737            | emergency                                  | 33,680           |
| Increase of the Navy                          | 132,739          | Payments for reduction in interest         |                  |
| Emergency, incl. N. I. R. allotment           | 68,829           | rates on mortgages, emergency              | 12,478           |
| Miscellaneous <sup>1</sup>                    | 790              | Subscriptions to preferred shares, Fed.    |                  |
| Total, Navy Department <sup>1</sup>           | 437,208          | says. and loan ass'n, emergency            | 51,378           |
| General                                       | 324,502          | Other items                                | 87               |
| Emergency                                     | 112,705          | Total, Treasury Department <sup>1</sup>    | 308,726          |
| Post Office Department:                       |                  | General                                    | 191,945          |
| Salaries and expenses, public build-          |                  | Emergency                                  | 118,781          |
| ings, Post Office Department                  | 233              | War Department:                            |                  |
| Private relief acts                           | 59               | National Defense:                          |                  |
| Miscellaneous                                 | 28               | Salaries, War Department                   | 4,341            |
| Deficiencies in postal revenues               | 63,970           | Contingent expenses                        | 518              |
| Total, Post Office Department <sup>1</sup>    | 63,988           | Office of Secretary of War                 | 10               |
| Department of State:                          |                  | General Staff Corps                        | 90               |
| Office of the Secretary                       | 1,990            | Adjutant General's Department              | 133              |
| Foreign intercourse <sup>1</sup>              | 10,304           | Finance Department:                        |                  |
| Emergency                                     | 2,586            | Pay of the Army                            | 129,894          |
| Foreign service retirement fund <sup>1</sup>  | 169              | Finance service                            | 1,014            |
| Total, Department of State <sup>1</sup>       | 16,464           | Judgments                                  | 915              |
| General                                       | 15,858           | Other items                                | 2,709            |
| Emergency                                     | 2,596            | Quartermaster Corps:                       |                  |
| Treasury Department:                          |                  | Army transportation                        | 8,845            |
| Office of the Secretary                       | 608              | Barracks and quarters and other            |                  |
| Emergency                                     | 403              | buildings and utilities                    | 8,781            |
| Office of the Chief Clerk and Supt.           | 638              | Clothing and equipage                      | 4,073            |
| Division of Printing                          | 1,257            | Construction, buildings, etc., at          |                  |
| Office Com. of Accounts and Deposits          | 1,448            | military posts                             | 457              |
| Division of Bookkeeping and Warrants          | 1,152            | Emergency                                  | 256              |
| Public Debt Service <sup>1</sup>              | 5,149            | Construction and repair of hos-            |                  |
| Division of Appointments                      | 42               | pitals                                     | 341              |
| Bureau of Customs <sup>2</sup>                | 19,470           | Incidental expenses of the Army            | 3,343            |
| Bureau of the Budget                          | 153              | Regular supplies of the Army               | 3,730            |
| Office of Treasurer of United States          | 1,495            | Subsistence of the Army                    | 17,088           |
| Office of Comptroller of the Currency         | 260              | Nat'l Ind. Recov., emergency               | 38,303           |
|                                               |                  | Other items                                | 2,528            |
|                                               |                  | Signal Corps                               | 1,947            |
|                                               |                  | Emergency                                  | 67               |

<sup>1</sup> For trust fund expenditures, see p. 173.<sup>2</sup> Credit, deduct.<sup>3</sup> Excludes Postal Service payable from postal revenues.<sup>4</sup> Exclusive of refunds of receipts.

## No. 174.—DETAILS OF EXPENDITURES: YEAR ENDED JUNE 30, 1935—Continued

| Object of expenditure                                    | Amount           | Object of expenditure                           | Amount                      |
|----------------------------------------------------------|------------------|-------------------------------------------------|-----------------------------|
| <b>GENERAL AND SPECIAL FUNDS—contd.</b>                  |                  | <b>TRUST, ETC. ACCOUNTS—contd.</b>              |                             |
| <b>War Department—Continued.</b>                         | <i>1,000</i>     | <b>Independent offices—Continued.</b>           | <i>1,000</i>                |
| <b>National defense—Continued.</b>                       | <i>dollars</i>   | General Accounting Office.....                  | 4                           |
| Air Corps.....                                           | 20,342           | Interstate Commerce Commission.....             | 30                          |
| Emergency.....                                           | 2,591            | Nat'l Cap'l Park and Planning Com'n.....        | 11                          |
| Medical Department.....                                  | 262              | Railroad Retirement Board.....                  | 126                         |
| Corps of Engineers.....                                  | 323              | Securities and Exchange Com'n.....              | <sup>2</sup> 134            |
| Ordnance Department.....                                 | 12,400           | Welfare and Recreational Association            |                             |
| Emergency.....                                           | 4,037            | of Public Bldgs. and Grounds.....               | 840                         |
| Chemical Warfare Service.....                            | 1,271            | Miscellaneous.....                              | <sup>2</sup> 98             |
| Chief of Infantry.....                                   | 58               | Civil service retirement fund.....              | 40,744                      |
| Chief of Cavalry.....                                    | 21               | Canal Zone retirement fund.....                 | 574                         |
| Chief of Field Artillery.....                            | 24               | Veterans' Administration.....                   | 70,538                      |
| Chief of Coast Artillery.....                            | 27               | Miscellaneous.....                              | 1,364                       |
| Sea Coast defenses.....                                  | 5,089            | Adjusted service certificate fund.....          | 6,407                       |
| Emergency.....                                           | 4,429            | Government life insurance fund.....             | 68,766                      |
| Military Academy.....                                    | 2,222            | Farm Credit Admn., miscellaneous.....           | 1,249                       |
| National Guard Bureau.....                               | 29,735           | Federal Housing Administration.....             | <sup>2</sup> 277            |
| Emergency.....                                           | 1,010            | Dept. of Agriculture.....                       | <sup>2</sup> 4,647          |
| Organized Reserves.....                                  | 3,875            | Cooperative work, Forest Service.....           | 675                         |
| Citizens' military training.....                         | 3,813            | Miscellaneous.....                              | <sup>2</sup> 5,341          |
| National Board for Promotion of                          |                  | Agr. Adj. Admn., processing taxes.....          | 20                          |
| Rifle Practice.....                                      | 135              | Dept. of Commerce.....                          | <sup>2</sup> 12             |
| Miscellaneous.....                                       | 55,030           | Department of the Interior.....                 | 1,666                       |
| <b>Total national defense <sup>1</sup></b>               | <b>385,937</b>   | General Land Office.....                        | 13                          |
| General.....                                             | 314,223          | Bureau of Reclamation.....                      | 266                         |
| Emergency.....                                           | 51,711           | National Park Service.....                      | 201                         |
| <b>Nonmilitary activities—</b>                           |                  | Government in the Territories.....              | 52                          |
| <b>National cemeteries.....</b>                          | <b>839</b>       | Beneficiaries.....                              | 116                         |
| Emergency.....                                           | 191              | Miscellaneous.....                              | <sup>2</sup> 48             |
| Signal Corps.....                                        | 147              | Indian Affairs, tribal funds.....               | 7,167                       |
| Bureau of Insular Affairs, emergency.....                | 1,096            | Indian Affairs, special deposit accts.....      | <sup>2</sup> 6,109          |
| War claims and relief acts.....                          | 162              | Department of Justice.....                      | 521                         |
| Miscellaneous.....                                       | 106              | Alien Property Custodian.....                   | <sup>2</sup> 60             |
| <b>Total nonmilitary activities <sup>1</sup></b>         | <b>2,351</b>     | Special deposit accounts, judicial.....         | <sup>2</sup> 196            |
| General.....                                             | 1,063            | Penal and correctional institutions.....        | 768                         |
| Emergency.....                                           | 1,288            | Department of Labor, miscellaneous.....         | <sup>2</sup> 237            |
| <b>Rivers and harbors <sup>1</sup></b>                   | <b>201,044</b>   | Navy Department.....                            | 1,553                       |
| Emergency.....                                           | 146,604          | Bureau of Navigation.....                       | 22                          |
| <b>Total War Department <sup>1 7</sup></b>               | <b>569,331</b>   | Bureau of Medicine and Surgery.....             | 1,169                       |
| General.....                                             | 369,829          | Miscellaneous.....                              | 259                         |
| Emergency.....                                           | 199,502          | Marine Corp, miscellaneous.....                 | 113                         |
| <b>Panama Canal.....</b>                                 | <b>10,121</b>    | Department of State.....                        | 283                         |
| Emergency.....                                           | 190              | Foreign intercourse.....                        | 13                          |
| District of Columbia <sup>1 8</sup> .....                | 4,559            | Special deposit accounts.....                   | <sup>2</sup> 32             |
| Interest on public debt.....                             | 821,486          | Foreign Service retirement fund.....            | 302                         |
| Public debt retirements.....                             | 573,557          | Treasury Department.....                        | 800                         |
| Sinking fund.....                                        | 573,000          | Public debt service.....                        | 42                          |
| Estate taxes, forfeitures, gifts, etc.....               | 557              | Public Health Service.....                      | 13                          |
| Reconstruction Finance Corp'n, emerg. <sup>9</sup> ..... | 407,636          | Miscellaneous.....                              | 248                         |
| <b>Total classified expenditures,</b>                    |                  | Refunds of internal-revenue receipts.....       | 496                         |
| <b>checks issued basis.....</b>                          | <b>7,397,550</b> | War Department.....                             | 5,680                       |
| General.....                                             | 3,840,491        | National defense.....                           | 9                           |
| Emergency.....                                           | 3,557,059        | Nonmilitary activities.....                     | 3,139                       |
| Adjustment between checks and cash.....                  | -21,653          | Rivers and Harbors.....                         | 2,503                       |
| Add unclassified items, cash basis.....                  | <sup>2</sup> 72  | District of Columbia.....                       | 43,529                      |
| <b>Total cash expenditures, general</b>                  |                  | Chargeable against increment on gold.....       | 113,179                     |
| <b>and special accounts.....</b>                         | <b>7,375,825</b> | Melting losses.....                             | 831                         |
| General.....                                             | 3,721,235        | Payments to Fed. res. banks, sec. 13b,          |                             |
| Emergency.....                                           | 3,654,591        | Fed. Res. Act, as amended.....                  | 20,932                      |
| <b>TRUST AND CONTRIBUTED ACCOUNTS</b>                    |                  | For retirement of national bank notes.....      | 91,416                      |
| Legislative—Library of Congress.....                     | 120              | <b>Total classified items, checks issued</b>    |                             |
| Independent offices.....                                 | 119,712          | <b>basis.....</b>                               | <b>282,109</b>              |
| Board of Tax Appeals.....                                | <sup>2</sup> 5   | Adjustment between checks and cash.....         | -3,431                      |
| Employees Compensation Com'n.....                        | 9                | Add unclassified items, cash basis.....         | 304                         |
| Federal Communications Com'n.....                        | 12               | Transactions in checking accounts of            |                             |
| Federal Trade Commission.....                            | 29               | Governmental agencies (net).....                | <sup>10</sup> 429,539       |
|                                                          |                  | <b>Total trust and contributed ac-</b>          |                             |
|                                                          |                  | <b>counts, cash basis <sup>11</sup></b>         | <b><sup>2</sup> 150,548</b> |
|                                                          |                  | <b>Total expenditures, cash basis.....</b>      | <b>7,235,279</b>            |
|                                                          |                  | General and special accounts.....               | 7,375,825                   |
|                                                          |                  | Trust and contributed accts <sup>11</sup> ..... | <sup>2</sup> 150,548        |

<sup>1</sup> For trust-fund expenditures see "Trust accounts." <sup>2</sup> Credit, deduct. <sup>7</sup> Excluding Panama Canal.<sup>8</sup> Emergency expenditure included in trust funds below.<sup>9</sup> Includes allocations to other agencies.<sup>10</sup> Credit, deduct. This item represents transfers of balances in checking accounts of certain special agencies of the Government, net transactions in which will hereafter be shown under this caption.<sup>11</sup> Includes expenditures chargeable against increment on gold amounting to \$113,023,000 (cash-basis figure).

Source: Reports of the Treasury Department.

## No. 175.—APPROPRIATIONS BY CONGRESS FOR YEARS ENDED JUNE 30

NOTE.—All figures in thousands of dollars. Amounts shown for a specified year differ from the actual appropriations for that year, since the former include deficiency appropriations for prior years and exclude amounts for that year provided subsequently as deficiency appropriations

| Branch                                                                      | Number of Congress and fiscal year for which appropriated |             |             |                   |             |              |
|-----------------------------------------------------------------------------|-----------------------------------------------------------|-------------|-------------|-------------------|-------------|--------------|
|                                                                             | 68th, 1925                                                | 68th, 1926  | 69th, 1927  | 69th, 1928        | 70th, 1929  | 70th, 1930   |
| Legislative.....                                                            | 14, 648                                                   | 15, 720     | 20, 160     | 16, 480           | 18, 970     | 21, 338      |
| Executive Office.....                                                       | 426                                                       | 534         | 824         | 438               | 437         | 594          |
| Independent offices.....                                                    | 411, 216                                                  | 596, 347    | 639, 941    | 520, 041          | 648, 089    | 661, 319     |
| District of Columbia.....                                                   | 27, 967                                                   | 40, 200     | 38, 459     | 38, 920           | 41, 541     | 42, 669      |
| Department of Agriculture.....                                              | 74, 637                                                   | 146, 715    | 187, 572    | 153, 430          | 183, 668    | 160, 600     |
| Department of Commerce.....                                                 | 24, 123                                                   | 25, 143     | 31, 626     | 36, 822           | 40, 713     | 60, 508      |
| Department of the Interior.....                                             | 292, 323                                                  | 274, 825    | 270, 351    | 285, 800          | 353, 332    | 334, 467     |
| Department of Justice.....                                                  | 24, 227                                                   | 28, 104     | 27, 200     | 26, 432           | 29, 049     | 30, 771      |
| Department of Labor.....                                                    | 8, 364                                                    | 9, 338      | 10, 184     | 10, 160           | 11, 181     | 11, 429      |
| Navy Department.....                                                        | 278, 601                                                  | 324, 752    | 325, 791    | 320, 466          | 394, 736    | 370, 152     |
| Post Office Department:                                                     |                                                           |             |             |                   |             |              |
| Payable from Treasury <sup>1</sup> .....                                    | 173                                                       | 244         | 32          | 18                | 67          | 28           |
| Payable from postal revenues <sup>2</sup> .....                             | 629, 199                                                  | 651, 256    | 842, 420    | 755, 364          | 776, 975    | 842, 125     |
| Department of State.....                                                    | 15, 246                                                   | 18, 187     | 17, 819     | 12, 312           | 15, 009     | 15, 826      |
| Treasury Department.....                                                    | 269, 355                                                  | 340, 915    | 339, 207    | 345, 269          | 455, 474    | 427, 939     |
| Interest on the public debt.....                                            | 865, 000                                                  | 830, 000    | 795, 000    | 755, 000          | 675, 000    | 640, 000     |
| Sinking fund and debt retirements chargeable against ordinary receipts..... | 471, 806                                                  | 484, 766    | 515, 683    | 563, 630          | 541, 942    | 553, 068     |
| War Department.....                                                         | 341, 340                                                  | 364, 625    | 367, 386    | 370, 429          | 466, 990    | 474, 990     |
| Total.....                                                                  | 3, 748, 652                                               | 4, 151, 682 | 4, 409, 463 | 4, 211, 011       | 4, 633, 578 | 4, 666, 237  |
| Deduct amount payable from postal revenues <sup>2</sup> .....               | 629, 199                                                  | 651, 256    | 842, 420    | 755, 364          | 776, 975    | 842, 125     |
| Net total.....                                                              | 3, 119, 453                                               | 3, 500, 426 | 3, 567, 044 | 3, 455, 647       | 3, 856, 603 | 3, 823, 112  |
|                                                                             | 71st, 1931                                                | 71st, 1932  | 72d, 1933   | 72d and 73d, 1934 | 73d, 1935   | 74th, 1936   |
| Legislative.....                                                            | 29, 521                                                   | 27, 839     | 20, 666     | 17, 426           | 19, 371     | 23, 960      |
| Executive Office.....                                                       | 628                                                       | 475         | 395         | 369               | 442         | 437          |
| Independent offices.....                                                    | 1, 169, 260                                               | 1, 383, 294 | 1, 878, 491 | 4, 061, 013       | 3, 085, 332 | 5, 012, 274  |
| Veterans' Administration.....                                               | 866, 391                                                  | 1, 032, 717 | 1, 288, 420 | 674, 081          | 614, 820    | 890, 482     |
| Emergency organizations.....                                                | 312, 858                                                  | 350, 576    | 585, 071    | 3, 386, 933       | 2, 410, 177 | 34, 000, 000 |
| Other.....                                                                  | 52, 488                                                   | 50, 143     | 45, 142     | 34, 644           | 54, 335     | 121, 792     |
| District of Columbia.....                                                   | 220, 288                                                  | 422, 203    | 372, 170    | 211, 544          | 1, 165, 726 | 813, 232     |
| Department of Agriculture.....                                              | 61, 301                                                   | 54, 900     | 45, 213     | 36, 943           | 31, 623     | 34, 551      |
| Department of Commerce.....                                                 | 87, 150                                                   | 101, 765    | 82, 136     | 56, 684           | 61, 953     | 94, 707      |
| Department of the Interior.....                                             | 42, 248                                                   | 58, 522     | 46, 340     | 42, 260           | 32, 079     | 37, 588      |
| Department of Justice.....                                                  | 12, 849                                                   | 15, 036     | 13, 738     | 14, 839           | 14, 063     | 15, 741      |
| Department of Labor.....                                                    | 389, 183                                                  | 377, 973    | 332, 084    | 310, 611          | 287, 066    | 480, 768     |
| Navy Department.....                                                        |                                                           |             |             |                   |             |              |
| Post Office Department:                                                     |                                                           |             |             |                   |             |              |
| Payable from Treasury <sup>1</sup> .....                                    | 43, 075                                                   | 54          | 84          | 36                | 70          | 88           |
| Payable from postal revenues <sup>2</sup> .....                             | 840, 271                                                  | 844, 610    | 807, 887    | 713, 421          | 669, 843    | 734, 673     |
| Department of State.....                                                    | 18, 778                                                   | 18, 796     | 14, 151     | 12, 822           | 15, 623     | 16, 227      |
| Treasury Department.....                                                    | 372, 557                                                  | 278, 587    | 519, 421    | 558, 400          | 426, 412    | 319, 650     |
| Interest on the public debt.....                                            | 618, 000                                                  | 681, 000    | 640, 000    | 725, 000          | 824, 349    | 875, 000     |
| Sinking fund and debt retirements chargeable against ordinary receipts..... | 635, 324                                                  | 468, 510    | 496, 803    | 534, 070          | 525, 764    | 636, 434     |
| War Department.....                                                         | 477, 799                                                  | 494, 768    | 475, 582    | 364, 276          | 329, 503    | 435, 080     |
| Total.....                                                                  | 5, 071, 712                                               | 5, 178, 525 | 5, 785, 253 | 7, 692, 447       | 7, 527, 559 | 9, 579, 757  |
| Deduct amount payable from postal revenues <sup>2</sup> .....               | 840, 271                                                  | 844, 610    | 807, 887    | 713, 421          | 669, 843    | 734, 673     |
| Net total.....                                                              | 4, 231, 440                                               | 4, 333, 915 | 4, 977, 366 | 6, 979, 026       | 6, 857, 716 | 8, 845, 085  |

<sup>1</sup> Figures cover only appropriations which have been specifically designated by Congress as payable from the Treasury and are exclusive of amounts which may be required under indefinite appropriations (payable from the Treasury) provided by law to supply deficiencies in the postal revenues. (See note 2.)

<sup>2</sup> These figures include amounts which may be required under indefinite appropriations (payable from the Treasury) to supply deficiencies, if any, in the postal revenues

<sup>3</sup> Emergency Relief Appropriation Act 1935.

Source: Treasury Department.

## No. 176.—INTERNAL REVENUE: AMOUNTS COLLECTED FROM PRINCIPAL SOURCES

NOTE.—All figures in thousands of dollars. The figures represent collections by internal revenue officers throughout the country, including deposits by postmasters of amounts received from sale of internal revenue stamps and deposits of internal revenue collected through customs offices, and, therefore, differ from those in tables 170 to 173, which represent the deposits of these collections in the Treasury or depositories during the fiscal year concerned, there being thus an overlapping of time. Certain items, included in the totals in the last column, are shown in detail in the second part of the table

| Yearly average or year ended June 30— | Total     | Spirits and wines <sup>1</sup> | Fermented malt liquors <sup>1</sup> | To-bacco <sup>1</sup> | Income and profits <sup>2</sup> | Legacies, inheritances, estates, etc. | Sales taxes not listed separately <sup>1</sup> | Documentary stamps <sup>4</sup> | Other <sup>5</sup> |
|---------------------------------------|-----------|--------------------------------|-------------------------------------|-----------------------|---------------------------------|---------------------------------------|------------------------------------------------|---------------------------------|--------------------|
| 1863-1865.....                        | 122,942   | 18,079                         | 2,551                               | 7,697                 | 28,005                          | 305                                   | 43,444                                         | 6,915                           | 15,945             |
| 1866-1870.....                        | 221,797   | 37,229                         | 5,981                               | 21,962                | 50,604                          | 2,277                                 | 63,283                                         | 14,932                          | 25,580             |
| 1871-1875.....                        | 119,971   | 49,877                         | 8,684                               | 34,450                | 7,760                           | 2,505                                 | 2,931                                          | 9,745                           | 6,024              |
| 1876-1880.....                        | 116,681   | 55,614                         | 10,510                              | 40,000                | (?)                             | 341                                   | 8,272                                          | 3,943                           |                    |
| 1881-1885.....                        | 132,064   | 71,163                         | 16,614                              | 38,984                | 29                              | 70                                    | 4,433                                          | 2,808                           |                    |
| 1886-1890.....                        | 126,711   | 72,045                         | 22,931                              | 30,901                | 77                              | 14                                    | 5                                              | 815                             |                    |
| 1891-1895.....                        | 150,262   | 86,988                         | 30,841                              | 30,802                | 2,060                           | 3                                     | (?)                                            | 1,703                           |                    |
| 1896-1900.....                        | 206,624   | 92,876                         | 49,593                              | 41,900                | 3,652                           | 1,058                                 | 25,253                                         | 4,307                           |                    |
| 1901-1905.....                        | 255,314   | 128,178                        | 58,900                              | 40,650                | 96                              | 167                                   | 23,966                                         | 4,260                           |                    |
| 1906-1910.....                        | 261,321   | 144,587                        | 58,609                              | 52,020                | 20,960                          | 739                                   | 20,494                                         | 1,736                           |                    |
| 1911-1915.....                        | 356,851   | 165,864                        | 68,063                              | 74,866                | 49,787                          | 77,800                                | 38,650                                         | 3,494                           |                    |
| 1916-1920.....                        | 2,855,761 | 126,293                        | 93,352                              | 189,853               | 1,984,473                       | 59,799                                | 77,800                                         | 217,500                         |                    |
| 1921-1925.....                        | 3,168,976 | 117,482                        | 17                                  | 301,176               | 2,121,913                       | 126,415                               | 186,135                                        | 322,546                         |                    |
| 1926-1930.....                        | 2,894,284 | 117,482                        | 4                                   | 405,614               | 2,222,032                       | 81,262                                | 55,484                                         | 51,886                          |                    |
| 1931-1935.....                        | 2,315,494 | 62,513                         | 139,894                             | 425,988               | 1,117,807                       | 91,012                                | 194,265                                        | 235,133                         |                    |
| 1913.....                             | 344,424   | 163,879                        | 66,267                              | 76,789                | 35,006                          | 128                                   | 156                                            | 2,326                           |                    |
| 1914.....                             | 380,009   | 159,098                        | 67,082                              | 79,987                | 71,381                          | 3,089                                 | 20,494                                         | 2,393                           |                    |
| 1915.....                             | 415,681   | 144,620                        | 79,329                              | 79,957                | 80,202                          | 4,219                                 | 38,110                                         | 9,939                           |                    |
| 1916.....                             | 512,723   | 158,682                        | 88,771                              | 88,064                | 124,937                         | 6,077                                 | 775                                            | 18,695                          |                    |
| 1917.....                             | 809,304   | 192,111                        | 91,897                              | 103,202               | 387,382                         | 47,453                                | 38,637                                         | 140,638                         |                    |
| 1918.....                             | 3,698,956 | 317,554                        | 128,286                             | 156,189               | 2,852,325                       | 82,030                                | 79,400                                         | 355,181                         |                    |
| 1919.....                             | 3,850,150 | 365,211                        | 117,840                             | 206,003               | 2,600,794                       | 103,636                               | 267,969                                        | 562,100                         |                    |
| 1920.....                             | 5,407,580 | 97,905                         | 41,966                              | 235,809               | 3,966,936                       | 154,043                               | 220,398                                        | 69,864                          |                    |
| 1921.....                             | 4,595,357 | 82,598                         | 25                                  | 255,210               | 3,228,138                       | 139,419                               | 174,361                                        | 55,919                          |                    |
| 1922.....                             | 3,197,451 | 117,482                        | 46                                  | 270,759               | 2,086,918                       | 128,705                               | 185,117                                        | 61,490                          |                    |
| 1923.....                             | 2,621,745 | 117,482                        | 5                                   | 309,015               | 1,691,090                       | 102,967                               | 200,922                                        | 58,526                          |                    |
| 1924.....                             | 2,706,170 | 117,482                        | 5                                   | 325,630               | 1,841,759                       | 105,940                               | 180,877                                        | 46,063                          |                    |
| 1925.....                             | 2,584,140 | 117,482                        | 1                                   | 345,247               | 1,761,659                       | 119,216                               | 150,167                                        | 49,801                          |                    |
| 1926.....                             | 2,838,000 | 117,482                        | 16                                  | 370,668               | 1,974,104                       | 100,340                               | 66,651                                         | 32,603                          |                    |
| 1927.....                             | 2,865,083 | 117,482                        | 1                                   | 376,170               | 2,219,932                       | 60,087                                | 51,812                                         | 43,818                          |                    |
| 1928.....                             | 2,790,536 | 117,482                        | (?)                                 | 396,450               | 2,174,573                       | 61,897                                | 5,724                                          | 58,798                          |                    |
| 1929.....                             | 2,939,054 | 117,482                        | (?)                                 | 434,445               | 2,331,274                       | 64,770                                | 2,676                                          | 72,009                          |                    |
| 1930.....                             | 3,040,146 | 117,482                        | 460,339                             | 444,277               | 2,410,259                       | 48,070                                | 150                                            | 41,960                          |                    |
| 1931.....                             | 2,428,229 | 117,482                        | 444,277                             | 444,277               | 1,860,040                       | 47,422                                | 96                                             | 27,854                          |                    |
| 1932.....                             | 1,567,729 | 117,482                        | 398,579                             | 398,579               | 1,056,757                       | 124,310                               | 243,616                                        | 53,430                          |                    |
| 1933.....                             | 1,619,839 | 117,482                        | 35,168                              | 402,739               | 746,791                         | 113,138                               | 385,306                                        | 62,174                          |                    |
| 1934.....                             | 2,672,289 | 117,482                        | 168,960                             | 425,169               | 819,656                         | 121,112                               | 342,169                                        | 38,782                          |                    |
| 1935.....                             | 3,299,436 | 117,482                        | 215,564                             | 459,179               | 1,105,791                       | 378,840                               | 382,732                                        | 64,846                          |                    |
| 1936.....                             | 3,520,208 | 117,482                        | 249,126                             | 501,166               | 1,427,448                       |                                       |                                                |                                 |                    |

| Year      | Transportation and communication <sup>14</sup> | Beverages (non-alcoholic), etc. | Corporation capital stock | Theater admissions, etc. | Year      | Transportation and communication <sup>14</sup> | Beverages (non-alcoholic), etc. | Corporation capital stock | Theater admissions, etc. |
|-----------|------------------------------------------------|---------------------------------|---------------------------|--------------------------|-----------|------------------------------------------------|---------------------------------|---------------------------|--------------------------|
| 1917..... |                                                |                                 | 10,472                    |                          | 1927..... |                                                | 189                             | 8,070                     | 17,941                   |
| 1918..... | 70,737                                         | 2,215                           | 24,998                    | 26,357                   | 1928..... |                                                | 189                             | 8,089                     | 17,725                   |
| 1919..... | 237,840                                        | 7,182                           | 28,716                    | 50,920                   | 1929..... |                                                |                                 | 5,956                     | 6,083                    |
| 1920..... | 289,348                                        | 57,461                          | 93,020                    | 76,721                   | 1930..... |                                                |                                 | 47                        | 4,231                    |
| 1921..... | 301,512                                        | 58,676                          | 81,526                    | 89,731                   | 1931..... |                                                |                                 |                           | 2,779                    |
| 1922..... | 198,790                                        | 33,504                          | 80,612                    | 73,385                   | 1932..... |                                                |                                 |                           | 1,869                    |
| 1923..... | 30,381                                         | 10,162                          | 81,568                    | 70,176                   | 1933..... | 22,032                                         | 4,186                           | 80,168                    | 15,521                   |
| 1924..... | 34,662                                         | 10,419                          | 87,472                    | 77,713                   | 1934..... | 29,830                                         | 4,747                           | 101,508                   | 14,613                   |
| 1925..... |                                                |                                 | 90,003                    | 80,908                   | 1935..... | 29,221                                         | 180                             | 94,943                    | 15,379                   |
| 1926..... |                                                | 54                              | 97,386                    | 23,981                   | 1936..... | 30,892                                         | 60                              |                           | 17,112                   |

<sup>1</sup> Including special taxes relating to manufacture and sale.

<sup>2</sup> Including receipts from excise tax on corporations for the years 1910 to 1914; munition manufacturers' tax for 1917 and 1918; and also excess-profits tax for 1917 to 1923, 1934, and 1935.

<sup>3</sup> Includes all taxes paid by manufacturers of and dealers in adulterated, process, or renovated butter mixed flour, and filled cheese. Figures for 1863 to 1878 include receipts from the tax on raw cotton.

<sup>4</sup> Includes proprietary stamps prior to 1896-1900.

<sup>5</sup> The major items included in this column beginning 1917 are shown in detail in second part of table with the exception of taxes on bank checks, drafts, etc., for 1933 to 1935, taxes on dividends for 1934 and 1935, agricultural adjustment taxes for 1934 to 1936 (1936 receipts, \$71,637,000), and taxes on coconut oils, etc., for 1935 and 1936 (1936 receipts, \$27,691,000). For figures for these items through 1935, see table 177.

<sup>6</sup> Figures for 1 year only. <sup>7</sup> Less than \$500. <sup>8</sup> Average for 2 years. <sup>9</sup> Average for 3 years.

<sup>10</sup> Average for 4 years. <sup>11</sup> Consists chiefly of tax on distilled spirits (nonbeverage).

<sup>12</sup> Includes gift tax: 1925, \$7,518,000; 1926, \$3,175,000; 1933, \$4,617,000; 1934, \$9,153,000; 1935, \$71,671,000. 1936, \$160,059,000.

<sup>13</sup> See note 5. <sup>14</sup> Transportation, including oil by pipe line, telephone, telegraph, radio, and cable.

Source: Annual Report of the Secretary of the Treasury.

## No. 177.—INTERNAL REVENUE: RECEIPTS FROM EACH SPECIFIC SOURCE

NOTE.—All figures in thousands of dollars. Data are for years ended June 30. See also headnote, table 176

| Source                                                                                   | 1931      | 1932      | 1933      | 1934      | 1935      |
|------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|
| Grand total                                                                              | 2,428,229 | 1,557,728 | 1,419,839 | 2,372,239 | 3,299,436 |
| Income tax                                                                               | 1,860,040 | 1,056,757 | 746,791   | 817,025   | 1,099,230 |
| Corporation                                                                              | 1,026,393 | 620,666   | 394,218   | 397,616   | 572,118   |
| Individual                                                                               | 833,648   | 427,191   | 352,574   | 419,509   | 527,113   |
| Excess profits                                                                           |           |           |           | 2,631     | 6,560     |
| Capital stock                                                                            |           |           |           | 80,168    | 91,508    |
| Dividends                                                                                |           |           |           | 50,229    | 961       |
| Estate tax; Transfer of estates of decedents                                             | 48,078    | 47,422    | 29,603    | 103,985   | 140,441   |
| Gift tax; Transfer of any property by gift                                               |           |           | 4,817     | 9,153     | 71,671    |
| Liquor taxes                                                                             | 10,432    | 8,704     | 43,180    | 268,911   | 411,022   |
| Distilled spirits (imported) excise tax                                                  |           |           | 6         | 6,578     | 15,108    |
| Distilled spirits (domestic) excise tax                                                  | 9,579     | 7,907     | 6,745     | 61,890    | 150,523   |
| Distilled spirits, rectification tax                                                     | 7         | 5         | 4         | 4,823     | 6,382     |
| Still or sparkling wines, cordials, etc.                                                 | 228       | 187       | 290       | 3,411     | 6,780     |
| Grape brandy used for fortifying sweet wines                                             | 63        | 74        | 48        | 107       | 562       |
| Rectifiers; retail and wholesale liquor dealers; manufacturers of stills (special taxes) | 519       | 508       | 878       | 5,140     | 6,899     |
| Case stamps for distilled spirits bottled in bond                                        | 35        | 27        | 52        | 80        | 35        |
| Containers stamps (Liquor Taxing Act of 1934)                                            |           |           |           | 2,239     | 9,145     |
| Floor taxes (Liquor Taxing Act of 1934)                                                  |           |           |           | 5,685     | 3,022     |
| Fermented malt liquors                                                                   |           |           | 33,090    | 163,271   | 211,215   |
| Brewers; retail and wholesale dealers in malt liquor (special taxes)                     |           |           |           |           | 4,340     |
| Tobacco                                                                                  | 444,277   | 398,679   | 402,739   | 425,189   | 459,179   |
| Cigars (large)                                                                           | 18,025    | 14,208    | 11,305    | 11,633    | 11,693    |
| Cigars (small)                                                                           | 271       | 227       | 174       | 173       | 144       |
| Cigarettes (large)                                                                       | 46        | 32        | 21        | 637       | 17        |
| Cigarettes (small)                                                                       | 358,915   | 317,533   | 328,418   | 349,662   | 385,480   |
| Snuff                                                                                    | 7,190     | 6,846     | 6,405     | 6,788     | 6,512     |
| Tobacco, chewing and smoking                                                             | 58,377    | 58,030    | 55,450    | 55,299    | 54,372    |
| Cigarette papers and tubes                                                               | 1,442     | 1,701     | 958       | 973       | 976       |
| Miscellaneous collections                                                                | 10        | 3         | 7         | 3         | 5         |
| Stamp taxes (not elsewhere enumerated)                                                   | 46,954    | 32,241    | 57,578    | 66,761    | 43,135    |
| Bonds of indebtedness, issues of capital stock, deeds of conveyance, etc.                | 14,757    | 9,199     | 16,035    | 10,259    | 17,935    |
| Capital stock sales or transfers                                                         | 25,520    | 17,690    | 33,188    | 38,066    | 15,747    |
| Sales of produce (future delivery)                                                       | 1,683     | 959       | 4,207     | 7,848     | 3,951     |
| Playing cards                                                                            | 4,694     | 4,387     | 3,908     | 4,405     | 4,351     |
| Use of yachts and boats (domestic and foreign)                                           |           |           | 240       | 181       | 2         |
| Silver bullion transfers                                                                 |           |           |           |           | 1,149     |
| Manufacturers' excise taxes                                                              | 136       | 87        | 247,751   | 390,038   | 342,276   |
| Lubricating oils                                                                         |           |           | 16,233    | 25,255    | 27,800    |
| Brewers' wort, malt, grape concentrate, etc.                                             |           |           | 5,708     | 3,067     | 1,427     |
| Matches                                                                                  |           |           | 2,872     | 6,971     | 6,000     |
| Gasoline                                                                                 |           |           | 124,929   | 202,575   | 161,532   |
| Electrical energy                                                                        |           |           | 28,553    | 33,134    | 32,877    |
| Tollst preparations, etc.                                                                |           |           | 9,003     | 10,813    | 12,644    |
| Articles made of fur                                                                     |           |           | 7,546     | 7,656     | 2,676     |
| Jewelry (watches, clocks, opera glasses, etc.)                                           |           |           | 3,098     | 4,699     | 2,010     |
| Automobile trucks                                                                        |           |           | 1,654     | 5,048     | 6,158     |
| Other automobiles and motorcycles                                                        |           |           | 12,574    | 32,527    | 38,003    |
| Parts or accessories for automobiles                                                     |           |           | 3,587     | 5,696     | 6,456     |
| Tires and inner tubes                                                                    |           |           | 14,980    | 27,690    | 26,638    |
| Radio sets, phonograph records, etc.                                                     |           |           | 2,207     | 3,157     | 3,625     |
| Mechanical refrigerators                                                                 |           |           | 2,112     | 5,526     | 6,664     |
| Sporting goods                                                                           |           |           | 2,702     | 3,773     | 4,486     |
| Firearms, shells, and cartridges                                                         |           |           | 897       | 2,511     | 2,143     |
| Pistols and revolvers                                                                    | 138       | 87        | 95        | 53        | 80        |
| Cameras and lenses                                                                       |           |           | 170       | 304       | 343       |
| Chewing gum                                                                              |           |           | 610       | 750       | 798       |
| Candy                                                                                    |           |           | 3,541     | 4,177     | 110       |
| Soft drinks                                                                              |           |           | 4,186     | 4,747     | 130       |
| Miscellaneous taxes:                                                                     |           |           |           |           |           |
| Telephone, telegraph, radio, and cable facilities                                        |           |           | 14,565    | 19,251    | 19,741    |
| Transportation of oil by pipe line                                                       |           |           | 7,467     | 10,379    | 9,430     |
| Admission to theaters, concerts, cabarets, etc.                                          | 2,779     | 1,856     | 15,521    | 14,313    | 15,379    |
| Leases of safe-deposit boxes                                                             |           |           | 2,395     | 2,716     | 2,318     |
| Checks, drafts, or orders for payment of money                                           |           |           | 38,456    | 41,383    | 25,045    |
| Oleomargarine, including special taxes                                                   | 2,651     | 1,745     | 1,347     | 1,476     | 2,049     |
| Narcotics, including special taxes                                                       | 607       | 521       | 457       | 436       | 551       |
| Club dues and initiation fees                                                            | 11,478    | 9,205     | 6,679     | 5,986     | 5,794     |
| Coconut, etc., oils processed                                                            |           |           |           |           | 24,437    |
| Crude petroleum processed, etc.                                                          |           |           |           |           | 1,760     |
| Other miscellaneous receipts                                                             | 705       | 611       | 597       | 445       | 1,36      |
| Agricultural adjustment taxes                                                            |           |           |           | 1,371,423 | 1,528,222 |

<sup>1</sup> Distributed as follows (figures in thousands of dollars): Processing, import compensating, and floor taxes—1934, wheat, 117,621; cotton, 144,797; tobacco, 18,088; field corn, 4,496; hogs, 77,035; paper and jute fabrics, 9,245; sugar cane and sugar beet, 170; 1935, wheat, 123,861; cotton, 95,926; tobacco, 32,726; field corn, 6,850; hogs, 184,601; paper and jute fabrics, 3,222; sugar cane and sugar beets, 17,094; rice, 29; peanuts, 3,572; tobacco sales tax, 1935, 3,231; cotton ginning tax, 1935, 1,111.

Source: Annual Report of the Commissioner of Internal Revenue.

## No. 178.—INTERNAL REVENUE: RECEIPTS BY STATES, YEARS ENDED JUNE 30

NOTE.—See headnote, table 176. Tax receipts are credited to the districts in which the collections are made. Receipts in the various States do not indicate the tax burden of the respective States, since the taxes may eventually be borne by persons in other States. Figures include collections for credit to trust funds for territories and possessions of the United States. For amounts of such trust fund collections for 1935, see "Trust accounts" table 173, p. 169

[All figures in thousands of dollars]

| Division and State or Territory | Total       |             | Income taxes |             | Miscellaneous internal revenue |             | Agricultural adjustment taxes |          |
|---------------------------------|-------------|-------------|--------------|-------------|--------------------------------|-------------|-------------------------------|----------|
|                                 | 1934        | 1935        | 1934         | 1935        | 1934                           | 1935        | 1934                          | 1935     |
| Total.....                      | 2, 672, 289 | 3, 299, 438 | 817, 025     | 1, 099, 230 | 1, 483, 791                    | 1, 673, 998 | 371, 423                      | 523, 222 |
| New England.....                | 166, 649    | 180, 053    | 66, 795      | 86, 320     | 58, 239                        | 67, 714     | 31, 516                       | 26, 120  |
| Maine.....                      | 7, 976      | 6, 670      | 3, 433       | 3, 765      | 2, 411                         | 1, 652      | 2, 132                        | 1, 254   |
| New Hampshire.....              | 5, 204      | 5, 273      | 1, 455       | 2, 197      | 1, 815                         | 1, 517      | 2, 024                        | 1, 569   |
| Vermont.....                    | 1, 450      | 1, 790      | 644          | 934         | 486                            | 645         | 320                           | 211      |
| Massachusetts.....              | 97, 690     | 114, 144    | 39, 622      | 50, 883     | 36, 486                        | 43, 387     | 21, 582                       | 19, 874  |
| Rhode Island.....               | 14, 983     | 15, 460     | 6, 128       | 7, 804      | 5, 413                         | 6, 783      | 3, 445                        | 1, 893   |
| Connecticut.....                | 29, 156     | 36, 726     | 15, 615      | 20, 637     | 11, 623                        | 14, 730     | 2, 013                        | 1, 369   |
| Middle Atlantic.....            | 861, 784    | 1, 031, 258 | 388, 643     | 477, 438    | 440, 044                       | 472, 209    | 53, 098                       | 81, 611  |
| New York.....                   | 568, 022    | 672, 473    | 200, 844     | 337, 867    | 268, 151                       | 276, 784    | 59, 027                       | 58, 843  |
| New Jersey.....                 | 99, 769     | 114, 429    | 41, 338      | 50, 029     | 54, 603                        | 60, 233     | 3, 706                        | 4, 107   |
| Pennsylvania.....               | 193, 993    | 244, 356    | 66, 461      | 89, 542     | 117, 227                       | 136, 212    | 10, 365                       | 18, 601  |
| East North Central.....         | 517, 790    | 741, 647    | 146, 315     | 218, 618    | 291, 941                       | 384, 143    | 79, 533                       | 138, 888 |
| Ohio.....                       | 124, 681    | 164, 079    | 37, 809      | 62, 644     | 73, 614                        | 96, 194     | 12, 871                       | 16, 242  |
| Indiana.....                    | 32, 848     | 67, 016     | 8, 917       | 13, 849     | 18, 202                        | 43, 159     | 5, 729                        | 10, 008  |
| Illinois.....                   | 215, 440    | 323, 139    | 63, 537      | 90, 383     | 98, 550                        | 132, 268    | 63, 353                       | 100, 489 |
| Michigan.....                   | 101, 321    | 135, 864    | 28, 169      | 49, 435     | 68, 534                        | 79, 900     | 4, 318                        | 6, 429   |
| Wisconsin.....                  | 43, 500     | 61, 569     | 7, 796       | 12, 307     | 32, 441                        | 33, 532     | 3, 262                        | 5, 720   |
| West North Central.....         | 180, 741    | 214, 773    | 43, 167      | 56, 493     | 67, 395                        | 69, 136     | 70, 187                       | 59, 235  |
| Minnesota.....                  | 50, 152     | 57, 511     | 10, 552      | 13, 105     | 14, 370                        | 16, 801     | 25, 221                       | 27, 604  |
| Iowa.....                       | 17, 620     | 30, 977     | 4, 247       | 6, 005      | 3, 737                         | 4, 342      | 9, 542                        | 20, 630  |
| Missouri.....                   | 76, 542     | 86, 502     | 22, 075      | 28, 687     | 37, 323                        | 37, 668     | 17, 144                       | 20, 247  |
| North Dakota.....               | 1, 751      | 1, 749      | 292          | 490         | 391                            | 322         | 1, 047                        | 937      |
| South Dakota.....               | 1, 351      | 1, 541      | 347          | 496         | 534                            | 620         | 4, 450                        | 426      |
| Nebraska.....                   | 10, 351     | 12, 454     | 2, 630       | 3, 905      | 3, 187                         | 3, 507      | 4, 533                        | 5, 042   |
| Kansas.....                     | 23, 108     | 24, 059     | 3, 014       | 3, 815      | 7, 844                         | 5, 876      | 12, 250                       | 14, 349  |
| South Atlantic.....             | 521, 785    | 598, 612    | 75, 872      | 99, 428     | 368, 948                       | 409, 015    | 77, 188                       | 90, 169  |
| Delaware.....                   | 18, 019     | 27, 946     | 12, 023      | 19, 864     | 4, 080                         | 7, 546      | 406                           | 539      |
| Maryland.....                   | 39, 556     | 52, 921     | 19, 154      | 22, 055     | 16, 861                        | 26, 035     | 3, 541                        | 4, 881   |
| District of Columbia.....       | 11, 269     | 12, 785     | 6, 725       | 8, 196      | 4, 218                         | 4, 442      | 327                           | 147      |
| Virginia.....                   | 122, 662    | 141, 349    | 8, 796       | 10, 792     | 107, 870                       | 119, 339    | 5, 987                        | 11, 217  |
| West Virginia.....              | 8, 930      | 10, 605     | 3, 583       | 5, 305      | 4, 251                         | 4, 392      | 1, 096                        | 908      |
| North Carolina.....             | 260, 406    | 283, 759    | 12, 958      | 14, 647     | 217, 675                       | 235, 318    | 29, 773                       | 33, 793  |
| South Carolina.....             | 20, 571     | 21, 498     | 2, 048       | 3, 090      | 1, 227                         | 1, 282      | 17, 297                       | 17, 126  |
| Georgia.....                    | 28, 783     | 32, 543     | 5, 047       | 7, 867      | 5, 599                         | 3, 993      | 18, 136                       | 20, 678  |
| Florida.....                    | 11, 589     | 15, 206     | 4, 438       | 7, 610      | 6, 546                         | 6, 063      | 605                           | 933      |
| East South Central.....         | 100, 484    | 126, 354    | 12, 880      | 21, 128     | 68, 299                        | 81, 394     | 19, 305                       | 23, 834  |
| Kentucky.....                   | 68, 654     | 89, 623     | 5, 147       | 8, 572      | 50, 087                        | 71, 864     | 4, 420                        | 9, 188   |
| Tennessee.....                  | 17, 451     | 21, 488     | 5, 164       | 8, 304      | 6, 447                         | 6, 690      | 5, 840                        | 6, 495   |
| Alabama.....                    | 12, 064     | 12, 709     | 1, 938       | 3, 150      | 1, 891                         | 2, 027      | 8, 284                        | 7, 532   |
| Mississippi.....                | 2, 315      | 2, 534      | 631          | 1, 102      | 874                            | 813         | 811                           | 619      |
| West South Central.....         | 125, 808    | 145, 824    | 27, 790      | 43, 115     | 82, 291                        | 78, 681     | 15, 728                       | 24, 127  |
| Arkansas.....                   | 2, 950      | 3, 178      | 891          | 1, 536      | 1, 489                         | 1, 348      | 559                           | 284      |
| Louisiana.....                  | 17, 392     | 25, 058     | 4, 800       | 7, 165      | 11, 074                        | 11, 304     | 1, 513                        | 6, 598   |
| Oklahoma.....                   | 44, 797     | 43, 377     | 5, 922       | 9, 479      | 35, 317                        | 29, 813     | 3, 588                        | 4, 085   |
| Texas.....                      | 60, 609     | 74, 211     | 16, 177      | 24, 945     | 34, 411                        | 36, 116     | 10, 081                       | 13, 150  |
| Mountain.....                   | 27, 198     | 47, 115     | 9, 585       | 14, 593     | 11, 400                        | 11, 914     | 6, 273                        | 20, 679  |
| Montana.....                    | 3, 959      | 6, 165      | 685          | 1, 211      | 1, 610                         | 2, 610      | 1, 663                        | 2, 344   |
| Idaho.....                      | 1, 548      | 1, 870      | 402          | 712         | 627                            | 546         | 419                           | 612      |
| Wyoming.....                    | 1, 175      | 1, 540      | 423          | 746         | 550                            | 582         | 203                           | 213      |
| Colorado.....                   | 13, 468     | 26, 326     | 4, 586       | 7, 199      | 5, 918                         | 5, 308      | 2, 959                        | 13, 759  |
| New Mexico.....                 | 870         | 1, 088      | 290          | 482         | 432                            | 443         | 148                           | 113      |
| Arizona.....                    | 1, 371      | 1, 745      | 488          | 711         | 550                            | 641         | 333                           | 393      |
| Utah.....                       | 2, 636      | 6, 304      | 915          | 1, 750      | 1, 303                         | 1, 372      | 418                           | 3, 182   |
| Nevada.....                     | 2, 376      | 2, 127      | 1, 738       | 1, 712      | 510                            | 352         | 130                           | 63       |
| Pacific.....                    | 172, 938    | 204, 949    | 62, 802      | 77, 823     | 92, 874                        | 98, 108     | 17, 283                       | 29, 018  |
| Washington.....                 | 14, 163     | 15, 944     | 3, 592       | 5, 843      | 6, 555                         | 7, 930      | 4, 015                        | 5, 166   |
| Oregon.....                     | 6, 829      | 9, 160      | 1, 741       | 2, 625      | 2, 485                         | 2, 512      | 4, 064                        | 4, 023   |
| California.....                 | 151, 946    | 176, 845    | 57, 469      | 69, 360     | 83, 834                        | 87, 606     | 10, 644                       | 19, 829  |
| Alaska.....                     | 243         | 369         | 159          | 281         | 59                             | 84          | 26                            | 4        |
| Hawaii.....                     | 5, 747      | 5, 692      | 3, 288       | 4, 254      | 1, 829                         | 1, 285      | 631                           | 153      |
| Philippine Islands.....         | 475         | 1, 271      | -----        | 475         | -----                          | 404         | -----                         | 867      |
| Puerto Rico.....                | 698         | 1, 517      | -----        | -----       | -----                          | -----       | 698                           | 1, 517   |

Source: Annual Report of the Commissioner of Internal Revenue.



## No. 179.—INDIVIDUAL AND CORPORATION INCOME TAX RETURNS: SUMMARY

NOTE.—All money figures in thousands of dollars. Statistics are based on the taxpayers' returns as filed, unaudited except to insure proper execution of the return. Under the various revenue laws the following individuals were required to file the personal returns: For 1913 to 1916, those with net income of \$3,000 and over; 1917 to 1924, and 1922 to 1934, \$1,000 and over; 1925 to 1931, \$1,500 and over; or if married and living with husband or wife filing a joint return, \$2,000 for 1917 to 1923, \$2,500 for 1924, and 1932 to 1934, and \$3,500 for 1925 to 1931; also, beginning 1921, individuals with gross income of \$5,000 or over regardless of net income. Data for returns showing no net income, filed in accordance with the latter provision, are not included in statistics shown. All income tax data include Alaska and Hawaii.

## INDIVIDUAL INCOME TAX RETURNS

| Calendar year             | Number of returns |           |            | Net income | Tax before tax credits |         |                         | Credits against tax <sup>1</sup> | Total tax, deducting tax credits |
|---------------------------|-------------------|-----------|------------|------------|------------------------|---------|-------------------------|----------------------------------|----------------------------------|
|                           | Total             | Taxable   | Nontaxable |            | Normal tax             | Surat   | Tax on capital net gain |                                  |                                  |
| 1913                      | 357,568           |           |            | 3,900,000  | 12,728                 | 15,525  |                         |                                  | 28,254                           |
| 1914                      | 357,515           |           |            | 4,000,000  | 16,559                 | 24,487  |                         |                                  | 41,046                           |
| 1915                      | 336,652           |           |            | 4,600,000  | 23,996                 | 43,948  |                         |                                  | 67,944                           |
| 1916                      | 437,036           | 362,970   | 74,066     | 6,298,578  | 61,441                 | 121,946 |                         |                                  | 173,387                          |
| 1917                      | 3,472,890         | 2,707,234 | 765,656    | 13,652,383 | 156,897                | 433,346 |                         |                                  | 1,297,222                        |
| 1918                      | 4,425,114         | 3,302,823 | 1,032,251  | 15,924,639 | 476,433                | 651,289 |                         |                                  | 1,127,722                        |
| 1919                      | 5,332,760         | 4,231,181 | 1,101,579  | 19,859,491 | 468,105                | 801,525 |                         |                                  | 1,269,630                        |
| 1920                      | 7,259,944         | 5,518,310 | 1,741,634  | 23,735,629 | 478,260                | 590,804 |                         |                                  | 1,075,054                        |
| 1921                      | 6,662,176         | 3,689,985 | 3,072,191  | 19,577,213 | 308,059                | 411,328 |                         |                                  | 719,387                          |
| 1922                      | 6,787,481         | 3,681,249 | 3,106,232  | 21,386,213 | 355,410                | 474,581 | 31,006                  |                                  | 881,057                          |
| 1923                      | 7,698,321         | 4,270,121 | 3,428,200  | 24,777,466 | 378,388                | 464,918 | 38,916                  | 220,555                          | 661,666                          |
| 1924                      | 7,369,788         | 4,489,698 | 2,880,090  | 25,060,163 | 257,795                | 437,541 | 48,603                  | 39,673                           | 704,265                          |
| 1925                      | 4,171,051         | 2,501,166 | 1,669,885  | 21,894,576 | 216,360                | 432,853 | 117,571                 | 32,229                           | 734,555                          |
| 1926                      | 4,138,092         | 2,470,990 | 1,667,102  | 21,958,506 | 200,599                | 448,330 | 112,510                 | 28,969                           | 732,471                          |
| 1927                      | 4,101,547         | 2,440,941 | 1,660,606  | 22,545,091 | 215,817                | 511,731 | 134,034                 | 30,943                           | 830,639                          |
| 1928                      | 4,070,851         | 2,523,063 | 1,547,785  | 25,226,327 | 281,895                | 688,825 | 235,451                 | 39,916                           | 1,164,254                        |
| 1929                      | 4,044,327         | 2,458,049 | 1,586,278  | 24,800,736 | 192,332                | 582,363 | 284,652                 | 27,441                           | 1,001,335                        |
| 1930                      | 3,707,509         | 2,037,045 | 1,669,864  | 18,118,635 | 129,475                | 316,816 | 65,624                  | 34,908                           | 476,715                          |
| 1931                      | 3,225,924         | 1,525,544 | 1,700,738  | 13,604,996 | 82,302                 | 186,078 | 19,423                  | 41,676                           | 246,127                          |
| 1932                      | 3,877,430         | 1,936,095 | 1,941,335  | 11,655,757 | 166,606                | 239,232 | 6,039                   | 71,915                           | 326,962                          |
| 1933                      | 3,723,558         | 1,747,740 | 1,976,818  | 11,008,638 | 164,277                | 244,307 | 16,435                  | 50,899                           | 374,120                          |
| 1933 (prel.) <sup>2</sup> | 3,660,105         | 1,731,116 | 1,928,998  | 10,845,654 | 165,040                | 241,345 | 16,341                  | 49,758                           | 372,908                          |
| 1934 (prel.) <sup>3</sup> | 3,888,269         | 1,760,843 | 2,237,420  | 12,456,262 | 120,555                | 385,929 |                         |                                  | 506,481                          |

## CORPORATION INCOME TAX RETURNS

| Calendar year             | Number of returns |                      |                                      |                       | Net income | Deficit   | Tax       |            |                            |
|---------------------------|-------------------|----------------------|--------------------------------------|-----------------------|------------|-----------|-----------|------------|----------------------------|
|                           | Total             | Reporting net income | Reporting no net income <sup>4</sup> | Inactive corporations |            |           | Total     | Income tax | War and excess-profits tax |
| 1909                      | 262,490           | 52,408               | 209,992                              |                       | 3,599,000  | (8)       | 20,960    | 20,960     |                            |
| 1910                      | 270,202           | 64,040               | 216,162                              |                       | 3,761,000  | (8)       | 33,512    | 33,512     |                            |
| 1911                      | 288,352           | 65,129               | 223,223                              |                       | 3,503,000  | (8)       | 28,583    | 28,583     |                            |
| 1912                      | 305,336           | 61,116               | 244,220                              |                       | 4,151,000  | (8)       | 25,006    | 25,006     |                            |
| 1913                      | 316,909           | 188,866              | 128,043                              |                       | 4,714,000  | (8)       | 43,128    | 43,128     |                            |
| 1914                      | 299,445           | 174,205              | 125,240                              |                       | 3,940,000  | (8)       | 39,145    | 39,145     |                            |
| 1915                      | 366,443           | 190,911              | 175,532                              |                       | 5,310,000  | (8)       | 56,994    | 56,994     |                            |
| 1916                      | 341,253           | 203,984              | 137,269                              |                       | 8,766,909  | 656,904   | 171,905   | 171,905    |                            |
| 1917                      | 351,426           | 232,079              | 119,347                              |                       | 10,730,360 | 629,608   | 2,142,440 | 603,698    | 1,638,748                  |
| 1918                      | 317,579           | 202,061              | 115,513                              |                       | 9,361,511  | 689,772   | 3,158,794 | 663,198    | 2,505,596                  |
| 1919                      | 320,198           | 209,634              | 110,564                              |                       | 9,411,418  | 995,646   | 2,176,842 | 743,536    | 1,431,806                  |
| 1920                      | 345,595           | 203,233              | 142,362                              |                       | 7,902,655  | 2,029,424 | 1,625,235 | 636,508    | 988,726                    |
| 1921                      | 356,397           | 171,239              | 185,158                              |                       | 4,336,048  | 3,878,219 | 701,575   | 366,444    | 335,132                    |
| 1922                      | 382,683           | 212,636              | 170,348                              |                       | 6,963,811  | 2,139,770 | 783,776   | 775,310    | 8,406                      |
| 1923                      | 398,993           | 233,339              | 165,594                              |                       | 8,321,529  | 2,013,555 | 937,107   | 937,107    |                            |
| 1924                      | 410,421           | 236,359              | 181,032                              |                       | 7,586,622  | 2,229,926 | 881,550   | 881,550    |                            |
| 1925                      | 430,072           | 252,534              | 177,738                              |                       | 9,553,084  | 1,962,628 | 1,170,331 | 1,170,331  |                            |
| 1926                      | 456,320           | 258,134              | 197,189                              |                       | 9,673,403  | 2,168,710 | 1,229,737 | 1,229,737  |                            |
| 1927                      | 475,031           | 259,849              | 165,826                              | 49,356                | 8,951,894  | 2,471,739 | 1,130,674 | 1,130,674  |                            |
| 1928                      | 495,892           | 268,783              | 174,526                              | 52,281                | 10,617,741 | 2,391,124 | 1,184,142 | 1,184,142  |                            |
| 1929                      | 509,436           | 269,480              | 186,991                              | 59,419                | 11,033,880 | 2,914,128 | 1,199,436 | 1,199,436  |                            |
| 1930                      | 518,730           | 221,420              | 241,616                              | 56,700                | 6,628,813  | 4,877,595 | 711,704   | 711,704    |                            |
| 1931                      | 516,404           | 175,898              | 285,806                              | 56,700                | 6,425,368  | 6,970,918 | 398,994   | 398,994    |                            |
| 1932                      | 508,666           | 82,646               | 369,238                              | 56,752                | 2,153,113  | 7,796,587 | 285,676   | 285,676    |                            |
| 1933                      | 504,080           | 109,786              | 337,056                              | 57,238                | 2,085,972  | 5,533,839 | 423,068   | 410,093    | 11,697                     |
| 1933 (prel.) <sup>5</sup> | 528,852           | 145,089              | 324,671                              | 59,122                | 4,204,917  | 4,150,694 | 594,334   | 586,773    | 17,560                     |

<sup>1</sup> See table 180 for detail beginning 1924; 1923 figure is reduction provided for in revenue act 1924.

<sup>2</sup> Includes war excess-profits taxes of \$101,250,000 on individuals and of \$103,888,000 on partnerships.

<sup>3</sup> Returns filed to Aug. 31 of following year. Complete figures include additional returns filed from Sept. 1 to Dec. 31 and also final returns supplementing tentative returns which are not tabulated.

<sup>4</sup> Net income prior to deduction of earned net income credit of \$928,000.

<sup>5</sup> Includes inactive concerns prior to 1927. <sup>6</sup> Returns showing net income in excess of \$5,000 exemption.

<sup>7</sup> Returns showing net income not in excess of \$5,000 exemption, or deficit. <sup>8</sup> Not available.

<sup>9</sup> Receipts for year ended June 30 following year in stub as reported by Commissioner of Internal Revenue. Figures shown for 1909 to 1912 and \$10,871,000 of the amount shown for 1913 are excise-tax receipts.

<sup>10</sup> Figures for 1915 contain approximately 32,000 returns which properly belong in 1914.

<sup>11</sup> Excess profits tax (effective June 30, 1933, under provisions of the National Industrial Recovery Act).

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

## No. 180.—INDIVIDUAL INCOME TAX RETURNS: ANALYSIS

[All money figures, except as indicated, in millions of dollars. See headnote, table 179]

|                                                                                            | 1924    | 1925    | 1926    | 1927    | 1928    | 1929    | 1930    | 1931    | 1932    | 1933    |
|--------------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Total income</b> .....                                                                  | 29,579  | 25,272  | 25,447  | 26,209  | 26,988  | 29,845  | 22,412  | 17,268  | 14,392  | 13,304  |
| Wages and salaries <sup>1</sup> .....                                                      | 13,618  | 9,742   | 9,994   | 10,218  | 10,862  | 11,173  | 9,922   | 8,325   | 8,137   | 7,390   |
| Business.....                                                                              | 4,758   | 3,689   | 3,573   | 3,287   | 3,244   | 3,328   | 2,628   | 1,890   | 1,295   | 1,403   |
| Partnerships <sup>2</sup> .....                                                            | 1,810   | 1,827   | 1,733   | 1,755   | 1,930   | 1,846   | 1,090   | 730     | 428     | 604     |
| Profits from sales of real estate, stocks, bonds, etc., except as noted <sup>3</sup> ..... | 1,125   | 1,992   | 1,466   | 1,813   | 2,928   | 2,336   | 637     | 302     | 113     | 420     |
| Capital net gain from sale of assets held over 2 years.....                                | 389     | 941     | 913     | 1,081   | 1,880   | 2,347   | 556     | 170     | 50      | 134     |
| Rents and royalties.....                                                                   | 2,010   | 1,471   | 1,451   | 1,302   | 1,165   | 1,279   | 974     | 771     | 530     | 448     |
| Dividends <sup>4</sup> .....                                                               | 3,251   | 3,465   | 4,012   | 4,255   | 4,351   | 4,783   | 4,197   | 3,114   | 1,972   | 1,559   |
| Fiduciary <sup>5</sup> .....                                                               | 310     | 306     | 333     | 421     | 444     | 508     | 429     | 369     | 311     | 276     |
| Interest on Gov't obligations <sup>6</sup> .....                                           | 30      | 26      | 37      | 47      | 41      | 40      | 38      | 25      | 29      | 32      |
| Other taxable interest.....                                                                | 2,282   | 1,814   | 1,937   | 1,676   | 1,842   | 1,908   | 1,608   | 1,338   | 1,142   | 982     |
| Other income.....                                                                          |         |         |         | 351     | 802     | 298     | 332     | 236     | 380     | 187     |
| <b>General deductions</b> .....                                                            | 3,923   | 3,377   | 3,489   | 3,663   | 3,761   | 5,044   | 4,294   | 3,663   | 2,736   | 2,385   |
| Contributions.....                                                                         | 533     | 442     | 484     | 508     | 533     | 527     | 425     | 323     | 304     | 252     |
| Net loss from sale of real estate, stocks, bonds, etc. <sup>6</sup> .....                  |         |         | 178     | 228     | 172     | 995     | 1,233   | 1,161   | 375     | 366     |
| Net loss from business.....                                                                |         |         |         |         |         |         |         |         |         | 62      |
| Net loss from partnership.....                                                             | 3,390   | 2,936   |         |         |         |         | 173     | 135     | 113     | 30      |
| Interest paid.....                                                                         |         |         | 2,827   | 2,928   | 3,057   | 3,522   |         |         |         | 508     |
| Taxes paid.....                                                                            |         |         |         |         |         |         | 2,464   | 2,040   | 1,944   | 508     |
| All other.....                                                                             |         |         |         |         |         |         |         |         |         | 661     |
| <b>Net income</b> .....                                                                    | 25,656  | 21,895  | 21,959  | 22,545  | 25,226  | 24,801  | 18,119  | 13,605  | 11,656  | 11,009  |
| Net loss for prior year.....                                                               | 30      | 32      | 27      | 37      | 34      | 29      | 40      | 44      | 29      | (7)     |
| Exemptions from normal tax:                                                                |         |         |         |         |         |         |         |         |         |         |
| Personal exemption and credit for dependents.....                                          | 16,329  | 12,228  | 12,124  | 12,001  | 11,859  | 11,933  | 11,010  | 9,682   | 8,517   | 8,305   |
| Less exemptions in excess of net income.....                                               | 2,375   | 1,506   | 1,523   | 1,891   | 1,681   | 2,018   | 2,074   | 2,277   | 1,721   | 1,775   |
| Dividends <sup>4</sup> .....                                                               | 3,251   | 3,465   | 4,012   | 4,255   | 4,351   | 4,786   | 4,197   | 3,114   | 1,972   | 1,559   |
| Interest on Government obligations <sup>6</sup> .....                                      | 30      | 26      | 37      | 47      | 41      | 40      | 38      | 25      | 29      | 32      |
| Capital net gain from sale of assets held over 2 years.....                                | 389     | 941     | 913     | 1,081   | 1,880   | 2,347   | 556     | 170     | 50      | 134     |
| Less credits <sup>7</sup> .....                                                            |         |         |         | 9       | 12      | 69      | 33      | 15      | 2       | 2       |
| Net exemptions.....                                                                        | 17,624  | 15,163  | 15,263  | 15,454  | 16,437  | 17,025  | 13,695  | 10,700  | 8,546   | 8,253   |
| <b>Net income subject to normal tax</b> .....                                              | 8,003   | 6,710   | 6,696   | 7,024   | 8,755   | 7,747   | 4,384   | 2,881   | 2,781   | 2,756   |
| Normal tax.....                                                                            | 258     | 216     | 201     | 216     | 282     | 182     | 129     | 82      | 157     | 164     |
| Surtax.....                                                                                | 438     | 433     | 448     | 512     | 689     | 582     | 317     | 189     | 239     | 244     |
| <b>Tax on capital net gain from sale of assets held over 2 years (12½ percent)</b> .....   | 49      | 118     | 113     | 134     | 233     | 285     | 65      | 19      | 6       | 18      |
| <b>Less tax credits:</b>                                                                   |         |         |         |         |         |         |         |         |         |         |
| 25 percent of tax on earned net income.....                                                | 31      | 25      | 25      | 25      | 35      | 22      | 25      | 17      |         |         |
| 12½ percent on net loss from sale of assets held more than 2 years.....                    | 9       | 8       | 4       | 6       | 5       | 5       | 10      | 24      | 72      | 51      |
| <b>Net tax</b> .....                                                                       | 704     | 736     | 732     | 831     | 1,184   | 1,002   | 477     | 248     | 339     | 374     |
| Number of returns (thous.).....                                                            | 7,370   | 4,171   | 4,138   | 4,102   | 4,071   | 4,044   | 3,708   | 3,226   | 3,877   | 3,724   |
| Average net income per return.....                                                         | \$3,481 | \$5,249 | \$5,306 | \$5,497 | \$6,197 | \$6,132 | \$4,887 | \$4,217 | \$3,006 | \$2,956 |
| Average tax per return.....                                                                | \$96    | \$176   | \$177   | \$203   | \$286   | \$243   | \$129   | \$76    | \$85    | \$100   |
| Averages per capita of total population: <sup>9</sup>                                      |         |         |         |         |         |         |         |         |         |         |
| Net income returned.....                                                                   | \$226   | \$190   | \$188   | \$190   | \$210   | \$203   | \$147   | \$109   | \$93    | \$87    |
| Tax.....                                                                                   | \$6.20  | \$6.37  | \$6.26  | \$7.00  | \$9.68  | \$8.22  | \$3.86  | \$1.98  | \$2.03  | \$2.96  |

<sup>1</sup> Excludes such wages and salaries of the individual, his wife, or dependent minors derived from the business conducted by the individual.<sup>2</sup> Capital net gain from sale of assets held more than 2 years, dividends on stock of domestic corporations and taxable interest on obligations of the United States received through partnerships and fiduciaries are reported under their respective classifications.<sup>3</sup> Exclusive of amount taxed as capital net gain from sales of assets held over 2 years.<sup>4</sup> On stocks of domestic corporations; dividends of foreign corporations included in miscellaneous income.<sup>5</sup> Interest on Government obligations not wholly exempt from tax.<sup>6</sup> Other than reported for tax credit on capital net loss from sale of assets held more than 2 years.<sup>7</sup> No deduction from net income allowed for net loss for prior year.<sup>8</sup> Loss in ordinary net income for given year and net loss for prior year deductible from capital net gain.<sup>9</sup> Averages computed by Bureau of Foreign and Domestic Commerce; based on revised Census estimates of population shown in table 12, p. 10.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

## No. 181.—INDIVIDUAL INCOME TAX RETURNS:

[All money figures, except average per return]

| Division and State or Territory | Number of returns | Total income | Deductions, including contributions | Net income <sup>1</sup> | Personal exemption and credit for dependents <sup>2</sup> | Tax (before tax credit) |         |                                 |
|---------------------------------|-------------------|--------------|-------------------------------------|-------------------------|-----------------------------------------------------------|-------------------------|---------|---------------------------------|
|                                 |                   |              |                                     |                         |                                                           | Normal tax              | Surplus | 12½ percent on capital net gain |
| <b>Total</b> .....              | 3,723,558         | 13,393,825   | 2,385,187                           | 11,008,638              | 6,305,120                                                 | 164,277                 | 244,307 | 16,435                          |
| <b>New England</b> .....        | 387,687           | 1,384,014    | 230,135                             | 1,153,879               | 811,520                                                   | 16,416                  | 22,247  | 1,447                           |
| Maine.....                      | 19,435            | 69,469       | 13,640                              | 55,810                  | 42,129                                                    | 710                     | 1,255   | 101                             |
| New Hampshire.....              | 15,458            | 49,224       | 7,669                               | 41,555                  | 31,006                                                    | 462                     | 504     | 32                              |
| Vermont.....                    | 9,375             | 27,933       | 3,995                               | 23,937                  | 20,604                                                    | 228                     | 136     | 1                               |
| Massachusetts.....              | 231,960           | 811,631      | 128,964                             | 682,667                 | 484,856                                                   | 10,269                  | 12,074  | 561                             |
| Rhode Island.....               | 29,489            | 112,642      | 20,053                              | 92,590                  | 61,688                                                    | 1,365                   | 2,555   | 23                              |
| Connecticut.....                | 81,850            | 313,125      | 56,814                              | 257,311                 | 170,337                                                   | 3,402                   | 5,723   | 729                             |
| <b>Middle Atlantic</b> .....    | 1,274,204         | 5,081,545    | 894,043                             | 4,187,504               | 2,796,487                                                 | 74,528                  | 142,870 | 6,941                           |
| New York.....                   | 748,054           | 3,109,100    | 570,209                             | 2,538,891               | 1,616,170                                                 | 51,405                  | 100,255 | 5,256                           |
| New Jersey.....                 | 202,190           | 739,548      | 121,187                             | 618,362                 | 450,105                                                   | 8,956                   | 15,695  | 353                             |
| Pennsylvania.....               | 323,960           | 1,172,897    | 202,647                             | 970,251                 | 731,212                                                   | 14,107                  | 20,920  | 1,332                           |
| <b>East North Central</b> ..... | 727,039           | 2,438,978    | 439,480                             | 1,999,498               | 1,732,643                                                 | 26,526                  | 31,888  | 4,941                           |
| Ohio.....                       | 181,212           | 621,552      | 100,358                             | 511,604                 | 612,712                                                   | 6,248                   | 7,754   | 745                             |
| Indiana.....                    | 61,675            | 193,376      | 31,773                              | 161,603                 | 140,046                                                   | 1,711                   | 2,282   | 109                             |
| Illinois.....                   | 282,960           | 1,080,676    | 181,737                             | 898,939                 | 628,804                                                   | 13,235                  | 16,869  | 2,424                           |
| Michigan.....                   | 112,053           | 364,431      | 71,300                              | 293,131                 | 268,128                                                   | 3,411                   | 3,283   | 630                             |
| Wisconsin.....                  | 89,789            | 228,944      | 44,790                              | 184,154                 | 192,853                                                   | 1,871                   | 1,610   | 70                              |
| <b>West North Central</b> ..... | 285,031           | 980,747      | 158,291                             | 702,456                 | 599,638                                                   | 8,537                   | 6,500   | 768                             |
| Minnesota.....                  | 59,808            | 200,972      | 37,220                              | 163,752                 | 132,670                                                   | 2,132                   | 1,893   | 212                             |
| Iowa.....                       | 40,329            | 118,480      | 21,624                              | 96,856                  | 89,857                                                    | 940                     | 447     | 98                              |
| Missouri.....                   | 93,308            | 334,160      | 62,411                              | 271,748                 | 212,065                                                   | 3,664                   | 3,565   | 301                             |
| North Dakota.....               | 8,359             | 20,605       | 3,505                               | 16,800                  | 19,853                                                    | 108                     | 7       | 21                              |
| South Dakota.....               | 7,555             | 20,088       | 3,568                               | 16,516                  | 17,373                                                    | 136                     | 33      | 21                              |
| Nebraska.....                   | 24,839            | 77,996       | 12,974                              | 65,022                  | 57,321                                                    | 762                     | 310     | 111                             |
| Kansas.....                     | 30,738            | 88,406       | 16,689                              | 71,717                  | 70,397                                                    | 785                     | 236     | 26                              |
| <b>South Atlantic</b> .....     | 328,995           | 1,185,101    | 211,882                             | 973,219                 | 728,335                                                   | 12,473                  | 21,132  | 839                             |
| Delaware.....                   | 9,610             | 67,420       | 11,883                              | 45,536                  | 20,631                                                    | 541                     | 5,103   | 67                              |
| Maryland.....                   | 76,409            | 292,655      | 48,342                              | 244,313                 | 168,357                                                   | 3,700                   | 5,139   | 443                             |
| Dist. of Columbia.....          | 69,067            | 224,388      | 31,803                              | 192,795                 | 134,019                                                   | 3,018                   | 1,807   | 80                              |
| Virginia.....                   | 42,920            | 143,637      | 26,003                              | 117,635                 | 97,800                                                    | 1,207                   | 1,354   | 41                              |
| West Virginia.....              | 25,837            | 82,040       | 12,615                              | 69,425                  | 50,007                                                    | 695                     | 382     | 102                             |
| North Carolina.....             | 29,462            | 118,403      | 26,730                              | 91,673                  | 72,168                                                    | 775                     | 3,022   | 64                              |
| South Carolina.....             | 12,688            | 41,118       | 8,985                               | 32,131                  | 31,295                                                    | 328                     | 120     | 5                               |
| Georgia.....                    | 32,329            | 119,020      | 24,133                              | 94,887                  | 76,679                                                    | 1,078                   | 1,066   | 26                              |
| Florida.....                    | 28,775            | 106,106      | 21,388                              | 84,718                  | 68,379                                                    | 1,032                   | 2,228   | 11                              |
| <b>East South Central</b> ..... | 96,626            | 326,555      | 64,913                              | 261,642                 | 226,819                                                   | 2,977                   | 2,051   | 538                             |
| Kentucky.....                   | 32,332            | 112,441      | 21,688                              | 90,753                  | 73,546                                                    | 1,004                   | 884     | 248                             |
| Tennessee.....                  | 33,484            | 114,845      | 21,450                              | 93,395                  | 78,718                                                    | 1,167                   | 790     | 136                             |
| Alabama.....                    | 19,942            | 67,290       | 13,617                              | 53,673                  | 47,667                                                    | 591                     | 324     | 138                             |
| Mississippi.....                | 10,868            | 31,970       | 7,958                               | 24,012                  | 26,888                                                    | 215                     | 53      | 18                              |
| <b>West South Central</b> ..... | 183,695           | 643,022      | 137,359                             | 505,663                 | 419,345                                                   | 6,908                   | 3,463   | 630                             |
| Arkansas.....                   | 11,427            | 37,843       | 8,470                               | 29,373                  | 28,324                                                    | 294                     | 76      | 2                               |
| Louisiana.....                  | 33,094            | 108,308      | 21,589                              | 86,809                  | 75,451                                                    | 1,059                   | 511     | 34                              |
| Oklahoma.....                   | 33,224            | 115,264      | 25,355                              | 89,909                  | 83,371                                                    | 1,136                   | 498     | 54                              |
| Texas.....                      | 106,950           | 381,517      | 81,939                              | 299,578                 | 232,199                                                   | 4,419                   | 2,378   | 540                             |
| <b>Mountain</b> .....           | 81,575            | 248,202      | 41,378                              | 206,824                 | 186,271                                                   | 2,131                   | 1,909   | 141                             |
| Montana.....                    | 11,511            | 34,725       | 4,843                               | 29,872                  | 26,312                                                    | 296                     | 137     | 3                               |
| Idaho.....                      | 6,072             | 17,342       | 2,760                               | 14,582                  | 13,862                                                    | 123                     | 12      | 13                              |
| Wyoming.....                    | 6,603             | 18,811       | 2,715                               | 16,096                  | 14,879                                                    | 129                     | 378     | 13                              |
| Colorado.....                   | 28,725            | 91,090       | 16,645                              | 74,446                  | 64,187                                                    | 881                     | 917     | 56                              |
| New Mexico.....                 | 5,677             | 17,104       | 2,838                               | 14,266                  | 12,630                                                    | 148                     | 30      | 56                              |
| Arizona.....                    | 6,888             | 25,327       | 4,476                               | 20,852                  | 19,013                                                    | 215                     | 80      | (4)                             |
| Utah.....                       | 10,807            | 32,207       | 5,363                               | 26,844                  | 27,902                                                    | 228                     | 87      | 56                              |
| Nevada.....                     | 3,092             | 11,506       | 1,733                               | 9,772                   | 7,486                                                     | 111                     | 268     | 11                              |
| <b>Pacific</b> .....            | 368,691           | 1,184,749    | 201,556                             | 983,193                 | 777,237                                                   | 13,437                  | 11,419  | 1,076                           |
| Washington.....                 | 54,539            | 162,653      | 21,014                              | 131,640                 | 122,430                                                   | 1,250                   | 396     | 50                              |
| Oregon.....                     | 27,572            | 81,461       | 15,282                              | 66,179                  | 64,871                                                    | 836                     | 193     | 10                              |
| California.....                 | 286,580           | 960,635      | 166,280                             | 794,355                 | 689,936                                                   | 11,542                  | 10,830  | 1,015                           |
| <b>Hawaii</b> .....             | 10,835            | 40,911       | 6,562                               | 34,348                  | 27,027                                                    | 344                     | 828     | 14                              |

<sup>1</sup> See note 1, table 185.<sup>2</sup> Other items of income exempt from normal tax are shown by States in table 182.<sup>3</sup> Based on Bureau of Census unrevised estimates, July 1, 1933 (see table 11, p. 9); revised State estimates are not available.

## ANALYSIS BY STATES AND TERRITORIES, 1933

and per capita tax, in thousands of dollars]

| Tax credits—12½ percent on capital net loss | Net tax | Average per return |          | Tax per capita of total population <sup>2</sup> | Percent of population filing returns | Percent of United States total |         |            |        | Division and State or Territory |
|---------------------------------------------|---------|--------------------|----------|-------------------------------------------------|--------------------------------------|--------------------------------|---------|------------|--------|---------------------------------|
|                                             |         | Net income         | Tax      |                                                 |                                      | Population                     | Returns | Net income | Tax    |                                 |
| 50,999                                      | 374,120 | \$2,958            | \$100.47 | \$2.97                                          | 2.95                                 | 100.00                         | 100.00  | 100.00     | 100.00 | Total.                          |
| 5,182                                       | 34,947  | 2,977              | 90.17    | 4.21                                            | 4.67                                 | 6.67                           | 10.41   | 10.48      | 9.34   | New England.                    |
| 200                                         | 1,865   | 2,372              | 95.98    | 2.33                                            | 2.42                                 | .64                            | .52     | .51        | .50    | Maine.                          |
| 165                                         | 834     | 2,688              | 53.93    | 1.78                                            | 3.30                                 | .37                            | .42     | .38        | .22    | N. Hampshire.                   |
| 26                                          | 339     | 2,553              | 36.18    | .94                                             | 2.60                                 | .28                            | .25     | .22        | .09    | Vermont.                        |
| 3,130                                       | 19,764  | 2,943              | 85.20    | 4.58                                            | 5.38                                 | 3.42                           | 6.23    | 6.20       | 5.28   | Massachusetts.                  |
| 480                                         | 3,453   | 3,140              | 117.09   | 4.92                                            | 4.20                                 | .56                            | .79     | .84        | .92    | Rhode Island.                   |
| 1,161                                       | 8,692   | 3,144              | 106.19   | 5.28                                            | 4.97                                 | 1.30                           | 2.20    | 2.33       | 2.33   | Connecticut.                    |
| 31,052                                      | 193,289 | 3,286              | 151.69   | 7.17                                            | 4.73                                 | 21.38                          | 34.23   | 38.04      | 51.87  | Middle Atlantic.                |
| 25,563                                      | 137,414 | 3,474              | 133.70   | 10.60                                           | 5.17                                 | 10.28                          | 20.09   | 23.61      | 36.73  | New York.                       |
| 2,002                                       | 23,002  | 3,058              | 113.77   | 5.49                                            | 4.82                                 | 3.32                           | 5.43    | 5.62       | 6.15   | New Jersey.                     |
| 3,487                                       | 32,873  | 2,995              | 101.47   | 3.36                                            | 3.31                                 | 7.76                           | 8.70    | 8.81       | 8.79   | Pennsylvania.                   |
| 6,890                                       | 55,566  | 2,375              | 76.43    | 2.14                                            | 2.80                                 | 20.57                          | 19.63   | 18.16      | 14.85  | E. N. Central.                  |
| 1,513                                       | 13,237  | 2,324              | 73.05    | 1.95                                            | 2.67                                 | 5.39                           | 4.87    | 4.35       | 3.54   | Ohio.                           |
| 197                                         | 3,965   | 2,620              | 94.30    | 1.20                                            | 1.87                                 | 2.61                           | 1.66    | 1.47       | 1.06   | Indiana.                        |
| 4,071                                       | 28,597  | 3,007              | 101.28   | 3.65                                            | 3.61                                 | 6.20                           | 7.58    | 7.71       | 7.64   | Illinois.                       |
| 664                                         | 6,661   | 2,616              | 59.44    | 1.32                                            | 2.22                                 | 4.00                           | 3.01    | 2.66       | 1.78   | Michigan.                       |
| 445                                         | 3,106   | 2,052              | 34.61    | 1.04                                            | 3.00                                 | 2.37                           | 2.41    | 1.67       | .83    | Wisconsin.                      |
| 1,241                                       | 14,563  | 2,850              | 54.95    | 1.08                                            | 1.97                                 | 10.66                          | 7.12    | 6.38       | 3.89   | W. N. Central.                  |
| 410                                         | 3,818   | 2,738              | 63.84    | 1.47                                            | 2.31                                 | 2.06                           | 1.61    | 1.49       | 1.02   | Minnesota.                      |
| 52                                          | 1,442   | 2,401              | 35.75    | .58                                             | 1.62                                 | 1.97                           | 1.08    | .88        | .39    | Iowa.                           |
| 681                                         | 6,849   | 2,912              | 73.40    | 1.87                                            | 2.64                                 | 2.91                           | 2.51    | 2.47       | 1.88   | Missouri.                       |
| 2                                           | 115     | 2,010              | 13.77    | .17                                             | 1.22                                 | .54                            | .22     | .15        | .03    | North Dakota.                   |
| 59                                          | 188     | 2,187              | 24.89    | .27                                             | 1.08                                 | .66                            | .20     | .15        | .05    | South Dakota.                   |
| 28                                          | 1,193   | 2,607              | 45.44    | .81                                             | 1.79                                 | 1.10                           | .67     | .59        | .30    | Nebraska.                       |
|                                             | 1,018   | 2,336              | 33.12    | .54                                             | 1.62                                 | 1.50                           | .33     | .65        | .27    | Kansas.                         |
| 3,473                                       | 30,969  | 2,965              | 94.33    | 1.92                                            | 2.04                                 | 12.77                          | 8.82    | 8.84       | 8.28   | South Atlantic.                 |
| 674                                         | 5,042   | 4,595              | 508.81   | 20.92                                           | 4.11                                 | .19                            | .27     | .42        | 1.35   | Delaware.                       |
| 803                                         | 8,489   | 3,201              | 111.11   | 5.10                                            | 4.59                                 | 1.32                           | 2.05    | 2.22       | 2.27   | Maryland.                       |
| 279                                         | 4,625   | 2,755              | 66.10    | 0.94                                            | 14.13                                | .39                            | 1.88    | 1.75       | 1.24   | Dist. of Col.                   |
| 293                                         | 2,399   | 2,553              | 36.18    | .98                                             | 1.78                                 | 1.94                           | 1.15    | 1.07       | .64    | Virginia.                       |
| 71                                          | 1,108   | 2,687              | 42.87    | .62                                             | 1.46                                 | 1.41                           | .70     | .63        | .30    | West Virginia.                  |
| 639                                         | 4,121   | 3,112              | 139.88   | 1.25                                            | .90                                  | 2.60                           | .79     | .53        | 1.10   | N. Carolina.                    |
| 8                                           | 450     | 2,533              | 35.54    | .26                                             | .73                                  | 1.39                           | .34     | .29        | .12    | S. Carolina.                    |
| 107                                         | 2,063   | 2,935              | 63.81    | .71                                             | 1.11                                 | 2.30                           | .87     | .86        | .55    | Georgia.                        |
| 599                                         | 2,672   | 2,944              | 92.85    | 1.72                                            | 1.85                                 | 1.23                           | .77     | .77        | .71    | Florida.                        |
| 304                                         | 5,262   | 2,710              | 54.46    | .52                                             | .96                                  | 7.97                           | 2.59    | 2.38       | 1.41   | E. S. Central.                  |
| 111                                         | 2,026   | 2,807              | 62.62    | .76                                             | 1.22                                 | 2.10                           | .87     | .52        | .54    | Kentucky.                       |
| 106                                         | 1,988   | 2,791              | 59.40    | .75                                             | 1.26                                 | 2.11                           | .90     | .85        | .53    | Tennessee.                      |
| 73                                          | 978     | 2,659              | 49.01    | .36                                             | .74                                  | 2.14                           | .53     | .49        | .26    | Alabama.                        |
| 14                                          | 271     | 2,210              | 24.94    | .13                                             | .53                                  | 1.62                           | .29     | .22        | .08    | Mississippi.                    |
| 365                                         | 10,937  | 2,758              | 57.91    | .85                                             | 1.47                                 | 9.92                           | 4.93    | 4.60       | 2.84   | W. S. Central.                  |
| 3                                           | 370     | 2,570              | 32.38    | .20                                             | 1.61                                 | 1.49                           | .31     | .27        | .10    | Arkansas.                       |
| 107                                         | 1,498   | 2,623              | 45.26    | .70                                             | 1.54                                 | 1.70                           | .89     | .79        | .40    | Louisiana.                      |
| 79                                          | 1,608   | 2,709              | 48.41    | .65                                             | 1.35                                 | 1.95                           | .89     | .82        | .43    | Oklahoma.                       |
| 176                                         | 7,161   | 2,828              | 67.69    | 1.19                                            | 1.76                                 | 4.78                           | 2.84    | 2.72       | 1.91   | Texas.                          |
| 321                                         | 3,859   | 2,535              | 47.31    | 1.02                                            | 2.17                                 | 2.89                           | 2.19    | 1.88       | 1.03   | Mountain.                       |
| 53                                          | 404     | 2,596              | 35.09    | .75                                             | 2.14                                 | .43                            | .31     | .27        | .11    | Montana.                        |
| 5                                           | 130     | 2,402              | 21.41    | .29                                             | 1.36                                 | .86                            | .16     | .13        | .04    | Idaho.                          |
| 68                                          | 462     | 2,438              | 68.49    | 1.06                                            | 2.86                                 | .18                            | .18     | .15        | .12    | Wyoming.                        |
| 143                                         | 1,710   | 2,592              | 56.55    | 1.63                                            | 2.73                                 | .53                            | .77     | .68        | .43    | Colorado.                       |
| 11                                          | 166     | 2,558              | 39.78    | .38                                             | 1.29                                 | .35                            | .15     | .13        | .04    | New Mexico.                     |
| 29                                          | 266     | 2,428              | 32.34    | .59                                             | 1.00                                 | .36                            | .23     | .19        | .07    | Arizona.                        |
| 22                                          | 350     | 2,492              | 32.34    | .68                                             | 2.09                                 | .41                            | .29     | .24        | .09    | Utah.                           |
| 10                                          | 381     | 2,647              | 103.14   | 4.10                                            | 3.97                                 | .07                            | .10     | .09        | .10    | Nevada.                         |
| 2,044                                       | 23,837  | 2,667              | 84.79    | 2.74                                            | 4.24                                 | 6.90                           | 9.90    | 8.93       | 6.88   | Pacific. <sup>4</sup>           |
| 58                                          | 1,647   | 2,414              | 30.19    | .99                                             | 3.29                                 | 1.32                           | 1.46    | 1.20       | .44    | Washington. <sup>5</sup>        |
| 43                                          | 796     | 2,401              | 28.87    | .81                                             | 2.80                                 | .78                            | .74     | .60        | .21    | Oregon.                         |
| 1,943                                       | 21,444  | 2,740              | 74.83    | 3.54                                            | 4.73                                 | 4.80                           | 7.70    | 7.13       | 5.73   | California.                     |
| 46                                          | 1,141   | 3,171              | 105.26   | 2.99                                            | 2.84                                 | .30                            | .29     | .31        | .31    | Hawaii.                         |

<sup>4</sup> Less than \$500.<sup>5</sup> Includes figures for Alaska.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

# No. 182.—INDIVIDUAL INCOME TAX RETURNS: INCOME DISTRIBUTED BY SOURCES, BY STATES AND TERRITORIES, 1933

[All figures in thousands of dollars. For total income see table 181]

| Division and State or Territory | Wages and salaries | Business  | Partnership | Profit from sale of real estate, stocks, bonds, etc. |           | Rents and royalties | Dividends on stock of domestic corporations | Interest on Government obligations <sup>1</sup> | Other taxable interest | Other income <sup>2</sup> |
|---------------------------------|--------------------|-----------|-------------|------------------------------------------------------|-----------|---------------------|---------------------------------------------|-------------------------------------------------|------------------------|---------------------------|
|                                 |                    |           |             | Reported for tax on capital net gain                 | All other |                     |                                             |                                                 |                        |                           |
| Total.....                      | 7,390,356          | 1,402,923 | 603,725     | 133,618                                              | 419,561   | 447,883             | 1,559,046                                   | 31,689                                          | 961,732                | 443,264                   |
| New England.....                | 708,011            | 136,729   | 42,284      | 11,638                                               | 40,402    | 33,273              | 235,878                                     | 2,423                                           | 128,982                | 46,568                    |
| Maine.....                      | 30,375             | 9,899     | 1,711       | 807                                                  | 1,959     | 2,176               | 9,995                                       | 173                                             | 9,071                  | 3,264                     |
| New Hampshire.....              | 22,900             | 7,332     | 1,484       | 257                                                  | 882       | 1,820               | 8,437                                       | 91                                              | 4,456                  | 1,466                     |
| Vermont.....                    | 15,084             | 3,062     | 807         | 10                                                   | 569       | 748                 | 3,154                                       | 48                                              | 2,547                  | 904                       |
| Massachusetts.....              | 424,234            | 79,848    | 28,490      | 4,690                                                | 25,734    | 10,113              | 122,736                                     | 1,326                                           | 70,293                 | 26,307                    |
| Rhode Island.....               | 57,217             | 9,809     | 2,714       | 191                                                  | 2,274     | 3,398               | 21,633                                      | 250                                             | 11,556                 | 3,901                     |
| Connecticut.....                | 156,201            | 27,079    | 7,108       | 5,831                                                | 8,854     | 9,018               | 63,738                                      | 535                                             | 25,039                 | 10,726                    |
| Middle Atlantic.....            | 2,677,663          | 454,275   | 263,762     | 56,048                                               | 196,002   | 109,529             | 675,470                                     | 10,232                                          | 429,202                | 209,394                   |
| New York.....                   | 1,606,085          | 266,941   | 202,756     | 42,281                                               | 144,678   | 60,870              | 433,819                                     | 6,486                                           | 272,226                | 133,008                   |
| New Jersey.....                 | 443,300            | 64,208    | 20,301      | 2,821                                                | 20,025    | 17,543              | 85,162                                      | 983                                             | 60,930                 | 24,273                    |
| Pennsylvania.....               | 623,328            | 123,126   | 40,605      | 10,848                                               | 31,299    | 31,116              | 150,489                                     | 2,753                                           | 96,046                 | 52,103                    |
| East North Central.....         | 1,492,395          | 243,531   | 90,749      | 32,830                                               | 69,046    | 78,638              | 228,237                                     | 9,128                                           | 133,205                | 67,241                    |
| Ohio.....                       | 380,335            | 62,036    | 18,955      | 5,997                                                | 18,899    | 21,735              | 72,251                                      | 3,796                                           | 22,674                 | 14,824                    |
| Indiana.....                    | 119,844            | 24,567    | 9,074       | 1,578                                                | 3,680     | 7,254               | 16,626                                      | 1,173                                           | 6,356                  | 3,226                     |
| Illinois.....                   | 624,896            | 95,703    | 44,923      | 19,636                                               | 31,470    | 30,604              | 89,604                                      | 2,385                                           | 65,411                 | 29,043                    |
| Michigan.....                   | 230,178            | 40,488    | 10,620      | 5,108                                                | 10,742    | 11,859              | 31,916                                      | 414                                             | 15,403                 | 7,705                     |
| Wisconsin.....                  | 137,072            | 26,737    | 7,176       | 663                                                  | 4,255     | 7,136               | 17,840                                      | 360                                             | 23,361                 | 5,443                     |
| West North Central.....         | 499,068            | 115,318   | 38,186      | 6,290                                                | 21,296    | 38,885              | 68,883                                      | 2,608                                           | 52,715                 | 21,525                    |
| Minnesota.....                  | 115,877            | 25,081    | 7,894       | 1,635                                                | 5,618     | 5,820               | 18,139                                      | 594                                             | 14,411                 | 5,941                     |
| Iowa.....                       | 64,677             | 21,259    | 5,860       | 786                                                  | 1,923     | 5,860               | 6,994                                       | 213                                             | 8,255                  | 2,693                     |
| Missouri.....                   | 203,948            | 31,422    | 11,849      | 2,445                                                | 8,787     | 12,962              | 34,196                                      | 1,393                                           | 19,243                 | 7,913                     |
| North Dakota.....               | 12,564             | 3,914     | 1,094       | 188                                                  | 831       | 503                 | 15                                          | 1,027                                           | 449                    |                           |
| South Dakota.....               | 11,048             | 3,808     | 875         | 170                                                  | 882       | 1,018               | 832                                         | 19                                              | 974                    | 461                       |
| Nebraska.....                   | 45,255             | 12,544    | 3,808       | 887                                                  | 1,674     | 3,417               | 4,212                                       | 154                                             | 4,324                  | 1,811                     |
| Kansas.....                     | 45,669             | 17,350    | 4,806       | 207                                                  | 2,324     | 7,077               | 3,987                                       | 218                                             | 4,481                  | 2,317                     |
| South Atlantic.....             | 688,399            | 117,231   | 42,871      | 6,814                                                | 29,779    | 47,919              | 148,919                                     | 2,803                                           | 64,299                 | 39,140                    |
| Delaware.....                   | 20,530             | 3,588     | 1,354       | 537                                                  | 1,763     | 1,066               | 23,072                                      | 68                                              | 3,445                  | 1,997                     |
| Maryland.....                   | 162,909            | 26,089    | 9,705       | 3,609                                                | 8,397     | 10,500              | 36,046                                      | 539                                             | 21,536                 | 14,623                    |
| Dist. of Col.....               | 157,523            | 17,431    | 5,537       | 636                                                  | 3,696     | 7,904               | 12,661                                      | 563                                             | 11,870                 | 6,373                     |
| Virginia.....                   | 83,974             | 16,648    | 5,166       | 333                                                  | 3,901     | 6,399               | 15,117                                      | 331                                             | 8,322                  | 4,447                     |
| West Virginia.....              | 40,032             | 9,789     | 3,299       | 855                                                  | 2,282     | 4,215               | 9,989                                       | 375                                             | 1,895                  | 1,359                     |
| North Carolina.....             | 65,698             | 12,363    | 5,141       | 508                                                  | 2,111     | 5,009               | 23,053                                      | 224                                             | 2,112                  | 2,185                     |
| South Carolina.....             | 24,996             | 5,463     | 2,106       | 38                                                   | 650       | 1,969               | 2,416                                       | 102                                             | 2,218                  | 1,168                     |
| Georgia.....                    | 70,936             | 13,944    | 5,914       | 209                                                  | 2,542     | 5,440               | 13,077                                      | 169                                             | 4,374                  | 2,420                     |
| Florida.....                    | 50,726             | 13,966    | 4,648       | 89                                                   | 3,437     | 5,417               | 14,288                                      | 432                                             | 8,527                  | 4,578                     |
| East South Central.....         | 189,466            | 40,566    | 19,087      | 4,346                                                | 7,046     | 15,149              | 26,088                                      | 802                                             | 15,388                 | 8,613                     |
| Kentucky.....                   | 62,881             | 12,428    | 5,443       | 2,024                                                | 3,236     | 4,994               | 12,450                                      | 494                                             | 5,148                  | 3,334                     |
| Tennessee.....                  | 70,599             | 13,362    | 6,445       | 1,091                                                | 2,028     | 4,900               | 8,960                                       | 185                                             | 4,644                  | 2,632                     |
| Alabama.....                    | 35,200             | 8,719     | 5,042       | 1,091                                                | 1,275     | 3,632               | 3,465                                       | 85                                              | 4,064                  | 1,716                     |
| Mississippi.....                | 17,786             | 6,057     | 2,157       | 140                                                  | 607       | 1,623               | 1,203                                       | 38                                              | 1,637                  | 931                       |
| West South Central.....         | 338,486            | 98,171    | 44,831      | 5,185                                                | 18,181    | 54,328              | 34,977                                      | 1,861                                           | 30,233                 | 18,772                    |
| Arkansas.....                   | 20,324             | 7,115     | 3,245       | 19                                                   | 485       | 2,620               | 1,246                                       | 87                                              | 1,671                  | 1,032                     |
| Louisiana.....                  | 63,124             | 12,718    | 6,755       | 274                                                  | 2,896     | 6,195               | 6,370                                       | 229                                             | 6,607                  | 3,280                     |
| Oklahoma.....                   | 65,622             | 16,782    | 6,600       | 458                                                  | 3,978     | 9,034               | 5,190                                       | 524                                             | 4,301                  | 2,776                     |
| Texas.....                      | 189,415            | 58,556    | 28,231      | 4,434                                                | 10,822    | 36,479              | 22,171                                      | 1,021                                           | 17,654                 | 11,734                    |
| Mountain.....                   | 140,170            | 36,850    | 11,489      | 1,131                                                | 7,070     | 9,605               | 18,611                                      | 644                                             | 19,778                 | 6,057                     |
| Montana.....                    | 22,378             | 5,020     | 1,210       | 26                                                   | 701       | 1,124               | 1,764                                       | 66                                              | 1,804                  | 634                       |
| Idaho.....                      | 9,928              | 3,593     | 953         | —                                                    | 376       | 661                 | 1,608                                       | 18                                              | 796                    | 379                       |
| Wyoming.....                    | 10,368             | 3,239     | 769         | 108                                                  | 455       | 760                 | 1,704                                       | 56                                              | 973                    | 389                       |
| Colorado.....                   | 47,546             | 11,614    | 4,260       | 948                                                  | 3,424     | 3,556               | 9,824                                       | 347                                             | 8,137                  | 2,435                     |
| New Mexico.....                 | 8,786              | 3,872     | 1,061       | —                                                    | 443       | 958                 | 787                                         | 19                                              | 1,060                  | 609                       |
| Arizona.....                    | 14,487             | 3,801     | 1,343       | 2                                                    | 657       | 1,262               | 1,203                                       | 66                                              | 1,781                  | 706                       |
| Utah.....                       | 20,545             | 4,847     | 1,255       | 450                                                  | 699       | 798                 | 1,916                                       | 47                                              | 1,662                  | 578                       |
| Nevada.....                     | 6,142              | 1,664     | 608         | 97                                                   | 315       | 455                 | 1,296                                       | 36                                              | 665                    | 327                       |
| Pacific.....                    | 638,820            | 154,310   | 51,008      | 9,215                                                | 31,321    | 60,980              | 113,723                                     | 2,169                                           | 89,595                 | 34,131                    |
| Washington.....                 | 92,437             | 23,737    | 5,629       | 399                                                  | 3,006     | 5,587               | 8,335                                       | 290                                             | 9,731                  | 3,503                     |
| Oregon.....                     | 48,625             | 13,716    | 3,770       | 605                                                  | 1,332     | 3,233               | 3,425                                       | 92                                              | 4,958                  | 1,705                     |
| California.....                 | 497,758            | 116,857   | 42,207      | 8,211                                                | 26,883    | 52,140              | 100,963                                     | 1,787                                           | 74,906                 | 28,923                    |
| Hawaii.....                     | 22,035             | 3,145     | 898         | 119                                                  | 549       | 1,498               | 9,481                                       | 34                                              | 1,349                  | 1,834                     |

<sup>1</sup> If not wholly exempt from tax.

<sup>2</sup> Includes fiduciary income.

<sup>3</sup> Includes Alaska.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

# No. 183.—INDIVIDUAL INCOME TAX RETURNS: BY STATES AND TERRITORIES, 1931 TO 1933

NOTE.—See headnote table 179. The net income here shown is subject to deduction of exemptions to give net income subject to tax; see tables 180 and 181

[Net income and tax yield in thousands of dollars]

| Division and State or Territory | Number of returns |           |           | Net income |            |            | Tax     |         |         |
|---------------------------------|-------------------|-----------|-----------|------------|------------|------------|---------|---------|---------|
|                                 | 1931              | 1932      | 1933      | 1931       | 1932       | 1933       | 1931    | 1932    | 1933    |
| Total.....                      | 3,225,924         | 3,877,430 | 3,723,658 | 13,604,996 | 11,655,757 | 11,008,638 | 246,127 | 329,962 | 374,120 |
| New England.....                | 317,683           | 413,699   | 387,667   | 1,375,300  | 1,246,542  | 1,153,879  | 23,401  | 30,386  | 34,947  |
| Maine.....                      | 16,218            | 20,867    | 19,435    | 74,771     | 62,981     | 55,819     | 1,527   | 1,597   | 1,865   |
| N. Hampshire.....               | 12,477            | 15,738    | 15,458    | 49,243     | 43,855     | 41,555     | 563     | 747     | 834     |
| Vermont.....                    | 7,803             | 10,439    | 9,375     | 29,853     | 27,543     | 23,937     | 265     | 407     | 339     |
| Massachusetts.....              | 193,504           | 249,769   | 231,960   | 800,923    | 735,391    | 682,667    | 12,380  | 15,619  | 19,764  |
| Rhode Island.....               | 22,875            | 30,581    | 29,489    | 111,159    | 101,863    | 92,590     | 2,599   | 3,339   | 3,453   |
| Connecticut.....                | 66,306            | 86,308    | 81,850    | 309,351    | 274,909    | 257,811    | 6,067   | 8,156   | 8,662   |
| Middle Atlantic.....            | 1,080,658         | 1,350,968 | 1,274,204 | 5,987,798  | 4,477,275  | 4,187,504  | 116,802 | 163,577 | 183,289 |
| New York.....                   | 634,067           | 798,685   | 748,054   | 3,108,634  | 2,764,354  | 2,598,891  | 77,978  | 109,693 | 137,414 |
| New Jersey.....                 | 178,754           | 217,812   | 202,190   | 785,764    | 689,687    | 618,362    | 13,971  | 22,080  | 23,002  |
| Pennsylvania.....               | 267,848           | 334,471   | 323,960   | 1,193,400  | 1,023,234  | 970,251    | 24,855  | 31,904  | 32,873  |
| E. N. Central.....              | 694,406           | 757,823   | 727,039   | 2,808,900  | 2,151,495  | 1,999,498  | 48,252  | 61,125  | 55,566  |
| Ohio.....                       | 164,809           | 183,141   | 181,212   | 689,352    | 556,313    | 511,694    | 9,743   | 12,297  | 13,237  |
| Indiana.....                    | 54,534            | 63,722    | 61,675    | 204,131    | 168,608    | 161,600    | 2,541   | 3,812   | 3,965   |
| Illinois.....                   | 270,759           | 283,888   | 282,850   | 1,182,411  | 872,841    | 845,919    | 22,602  | 23,914  | 28,897  |
| Michigan.....                   | 119,623           | 127,515   | 112,053   | 481,018    | 349,800    | 293,131    | 11,028  | 8,380   | 6,661   |
| Wisconsin.....                  | 84,651            | 91,557    | 89,739    | 251,988    | 203,833    | 184,154    | 2,438   | 3,222   | 3,106   |
| W. N. Central.....              | 228,894           | 272,633   | 265,031   | 882,569    | 750,008    | 702,458    | 10,082  | 14,201  | 14,563  |
| Minnesota.....                  | 52,853            | 61,810    | 59,803    | 213,531    | 173,772    | 155,751    | 2,445   | 3,478   | 3,818   |
| Iowa.....                       | 29,850            | 42,624    | 40,329    | 119,218    | 109,842    | 95,836     | 1,187   | 1,404   | 1,442   |
| Missouri.....                   | 80,566            | 95,805    | 93,308    | 331,458    | 290,702    | 271,748    | 4,748   | 6,876   | 6,849   |
| N. Dakota.....                  | 7,013             | 8,889     | 8,359     | 15,470     | 13,182     | 16,800     | 43      | 111     | 116     |
| S. Dakota.....                  | 7,387             | 8,359     | 7,555     | 22,131     | 17,966     | 16,519     | 106     | 138     | 188     |
| Nebraska.....                   | 23,940            | 25,303    | 24,939    | 86,120     | 66,007     | 65,022     | 723     | 971     | 1,133   |
| Kansas.....                     | 27,495            | 29,643    | 30,738    | 91,616     | 73,547     | 71,777     | 880     | 1,224   | 1,018   |
| South Atlantic.....             | 262,139           | 335,461   | 328,295   | 1,068,625  | 1,008,415  | 973,420    | 18,072  | 29,218  | 30,969  |
| Delaware.....                   | 5,294             | 9,822     | 9,910     | 51,045     | 45,026     | 45,636     | 2,284   | 4,596   | 5,042   |
| Maryland.....                   | 60,898            | 83,223    | 76,409    | 277,129    | 265,619    | 244,613    | 5,528   | 7,978   | 8,489   |
| Dist. of Col.....               | 51,920            | 73,501    | 69,937    | 200,628    | 213,476    | 192,795    | 2,975   | 6,115   | 4,625   |
| Virginia.....                   | 64,659            | 48,136    | 42,920    | 128,865    | 122,228    | 117,685    | 1,324   | 2,220   | 2,399   |
| W. Virginia.....                | 22,118            | 20,872    | 25,337    | 80,334     | 73,660     | 69,426     | 510     | 923     | 1,105   |
| N. Carolina.....                | 22,626            | 25,072    | 29,462    | 88,045     | 76,890     | 91,073     | 2,300   | 4,018   | 4,121   |
| S. Carolina.....                | 10,630            | 11,902    | 12,686    | 33,859     | 30,081     | 33,131     | 198     | 313     | 451     |
| Georgia.....                    | 25,729            | 31,730    | 32,829    | 102,907    | 92,888     | 94,898     | 997     | 1,692   | 2,063   |
| Florida.....                    | 25,340            | 29,303    | 28,775    | 105,216    | 88,452     | 84,718     | 2,220   | 2,555   | 2,672   |
| E. S. Central.....              | 84,528            | 95,225    | 96,624    | 307,986    | 253,605    | 261,843    | 3,154   | 4,158   | 5,262   |
| Kentucky.....                   | 26,991            | 32,454    | 32,332    | 103,280    | 89,485     | 90,754     | 1,013   | 1,556   | 2,025   |
| Tennessee.....                  | 28,117            | 31,543    | 35,464    | 107,251    | 89,515     | 93,595     | 1,414   | 1,699   | 1,988   |
| Alabama.....                    | 19,532            | 20,680    | 19,962    | 70,309     | 54,020     | 53,673     | 640     | 770     | 978     |
| Mississippi.....                | 9,888             | 10,548    | 10,868    | 27,146     | 21,585     | 24,021     | 87      | 134     | 271     |
| W. S. Central.....              | 156,207           | 179,129   | 183,695   | 564,197    | 479,780    | 505,663    | 6,498   | 8,597   | 10,637  |
| Arkansas.....                   | 9,873             | 10,350    | 11,427    | 29,256     | 24,716     | 29,367     | 108     | 216     | 370     |
| Louisiana.....                  | 28,994            | 33,974    | 33,094    | 107,674    | 92,164     | 86,309     | 892     | 1,424   | 1,498   |
| Oklahoma.....                   | 28,242            | 31,832    | 33,224    | 93,694     | 83,367     | 89,909     | 862     | 1,204   | 1,606   |
| Texas.....                      | 89,158            | 102,966   | 105,950   | 333,673    | 279,533    | 299,578    | 4,684   | 6,743   | 7,161   |
| Mountain.....                   | 73,396            | 82,378    | 81,575    | 280,739    | 218,098    | 208,827    | 2,808   | 3,788   | 3,859   |
| Montana.....                    | 9,722             | 10,087    | 11,511    | 34,667     | 28,222     | 29,877     | 210     | 497     | 404     |
| Idaho.....                      | 5,864             | 5,768     | 6,072     | 18,350     | 13,689     | 14,532     | 48      | 97      | 130     |
| Wyoming.....                    | 6,891             | 6,796     | 6,603     | 18,177     | 16,190     | 10,096     | 65      | 144     | 452     |
| Colorado.....                   | 25,276            | 30,537    | 28,725    | 96,662     | 82,073     | 74,448     | 1,378   | 1,816   | 1,710   |
| N. Mexico.....                  | 5,386             | 5,574     | 5,577     | 18,231     | 14,666     | 14,269     | 117     | 179     | 156     |
| Arizona.....                    | 8,035             | 8,900     | 8,588     | 28,746     | 23,355     | 20,852     | 247     | 305     | 266     |
| Utah.....                       | 9,785             | 10,424    | 10,307    | 31,864     | 27,023     | 26,933     | 196     | 366     | 350     |
| Nevada.....                     | 3,431             | 4,102     | 3,602     | 14,042     | 10,868     | 9,772      | 349     | 362     | 381     |
| Pacific.....                    | 320,694           | 377,929   | 368,691   | 1,215,112  | 1,035,265  | 983,193    | 16,444  | 23,664  | 23,887  |
| Washington.....                 | 51,781            | 56,434    | 54,539    | 174,858    | 133,697    | 131,640    | 1,238   | 1,658   | 1,647   |
| Oregon.....                     | 20,181            | 25,845    | 27,572    | 73,155     | 60,520     | 63,190     | 474     | 670     | 706     |
| California.....                 | 248,722           | 295,650   | 289,580   | 967,099    | 841,043    | 785,354    | 14,732  | 21,636  | 21,444  |
| Hawaii.....                     | 7,328             | 12,192    | 10,835    | 33,869     | 37,277     | 34,358     | 816     | 1,102   | 1,141   |

<sup>1</sup> Includes Alaska.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

## No. 184.—INDIVIDUAL INCOME TAX RETURNS: BY INCOME CLASSES

NOTE.—See headnote, table 179. The net income here shown is subject to deduction of exemptions to give net income subject to tax; see tables 180 and 186. Data for returns with net income under \$5,000 are estimated, based on samples for 1927, and 1928, and partly estimated and partly tabulated for 1923, 1930, and following years

| Income class (net income)                        | 1927                | 1928                | 1929                | 1930                | 1931                | 1932                | 1933                |
|--------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| <b>Number of returns.</b>                        | <b>4, 101, 547</b>  | <b>4, 070, 851</b>  | <b>4, 044, 827</b>  | <b>3, 707, 509</b>  | <b>3, 225, 924</b>  | <b>3, 877, 430</b>  | <b>3, 723, 558</b>  |
| Under \$1,000.....                               | 126, 746            | 111, 123            | 126, 172            | 150, 000            | 135, 391            | 359, 688            | 397, 076            |
| \$1,000 to \$2,000.....                          | 996, 098            | 918, 447            | 903, 082            | 909, 155            | 882, 163            | 1, 489, 589         | 1, 480, 717         |
| \$2,000 to \$3,000.....                          | 856, 762            | 837, 781            | 810, 347            | 707, 084            | 675, 019            | 967, 956            | 914, 198            |
| \$3,000 to \$5,000.....                          | 1, 209, 345         | 1, 192, 613         | 1, 172, 655         | 1, 070, 239         | 912, 630            | 703, 755            | 599, 075            |
| \$5,000 to \$10,000.....                         | 567, 700            | 628, 786            | 668, 039            | 550, 977            | 417, 565            | 251, 014            | 229, 754            |
| \$10,000 to \$25,000.....                        | 252, 079            | 270, 889            | 271, 454            | 198, 762            | 137, 754            | 79, 210             | 75, 043             |
| \$25,000 to \$50,000.....                        | 60, 123             | 68, 043             | 68, 689             | 40, 845             | 24, 308             | 18, 480             | 18, 423             |
| \$50,000 to \$100,000.....                       | 22, 673             | 27, 207             | 24, 073             | 13, 645             | 7, 830              | 5, 902              | 0, 021              |
| \$100,000 to \$150,000.....                      | 5, 261              | 7, 049              | 6, 376              | 3, 111              | 1, 634              | 995                 | 1, 084              |
| \$150,000 to \$300,000.....                      | 3, 873              | 5, 078              | 6, 310              | 2, 071              | 1, 056              | 595                 | 696                 |
| \$300,000 to \$500,000.....                      | 1, 141              | 1, 756              | 1, 641              | 552                 | 268                 | 140                 | 141                 |
| \$500,000 to \$1,000,000.....                    | 567                 | 983                 | 976                 | 318                 | 149                 | 80                  | 81                  |
| \$1,000,000 and over.....                        | 290                 | 511                 | 513                 | 150                 | 77                  | 20                  | 50                  |
| In thousands of dollars                          |                     |                     |                     |                     |                     |                     |                     |
| <b>Net income.</b>                               | <b>22, 545, 091</b> | <b>25, 226, 327</b> | <b>24, 800, 736</b> | <b>18, 118, 835</b> | <b>13, 604, 996</b> | <b>11, 655, 757</b> | <b>11, 008, 633</b> |
| Under \$1,000.....                               | 72, 231             | 64, 535             | 73, 742             | 86, 892             | 106, 622            | 231, 140            | 264, 785            |
| \$1,000 to \$2,000.....                          | 1, 045, 376         | 1, 526, 832         | 1, 496, 905         | 1, 494, 626         | 1, 399, 450         | 2, 145, 634         | 2, 093, 293         |
| \$2,000 to \$3,000.....                          | 2, 062, 275         | 2, 030, 901         | 1, 958, 595         | 1, 864, 162         | 1, 641, 594         | 2, 437, 251         | 2, 295, 886         |
| \$3,000 to \$5,000.....                          | 4, 700, 319         | 4, 948, 098         | 4, 572, 596         | 4, 151, 967         | 3, 515, 715         | 2, 597, 793         | 2, 207, 458         |
| \$5,000 to \$10,000.....                         | 3, 895, 759         | 4, 282, 520         | 4, 431, 676         | 3, 723, 763         | 2, 807, 001         | 1, 677, 030         | 1, 537, 875         |
| \$10,000 to \$25,000.....                        | 8, 748, 088         | 4, 037, 863         | 4, 026, 233         | 2, 922, 760         | 2, 006, 721         | 1, 100, 398         | 1, 112, 098         |
| \$25,000 to \$50,000.....                        | 2, 051, 771         | 2, 326, 503         | 2, 174, 458         | 1, 333, 619         | 820, 648            | 629, 639            | 630, 005            |
| \$50,000 to \$100,000.....                       | 1, 535, 387         | 1, 837, 878         | 1, 640, 476         | 919, 040            | 528, 049            | 393, 206            | 401, 409            |
| \$100,000 to \$150,000.....                      | 636, 019            | 850, 451            | 770, 536            | 374, 171            | 199, 598            | 119, 896            | 129, 159            |
| \$150,000 to \$300,000.....                      | 787, 270            | 1, 167, 131         | 1, 087, 410         | 419, 016            | 212, 059            | 118, 008            | 139, 215            |
| \$300,000 to \$500,000.....                      | 431, 122            | 663, 900            | 628, 229            | 207, 131            | 102, 186            | 52, 469             | 54, 670             |
| \$500,000 to \$1,000,000.....                    | 378, 167            | 670, 832            | 660, 878            | 211, 893            | 102, 311            | 57, 874             | 56, 700             |
| \$1,000,000 and over.....                        | 600, 641            | 1, 108, 833         | 1, 212, 099         | 359, 905            | 166, 060            | 36, 240             | 86, 857             |
| <b>Net tax.</b>                                  | <b>830, 639</b>     | <b>1, 164, 254</b>  | <b>1, 001, 938</b>  | <b>476, 715</b>     | <b>246, 127</b>     | <b>329, 982</b>     | <b>374, 120</b>     |
| Under \$1,000.....                               | 40                  | 60                  | 17                  | 37                  | 24                  | 103                 | 97                  |
| \$1,000 to \$2,000.....                          | 1, 264              | 1, 550              | 553                 | 1, 269              | 943                 | 12, 254             | 10, 345             |
| \$2,000 to \$3,000.....                          | 3, 970              | 4, 317              | 1, 404              | 3, 810              | 2, 466              | 9, 822              | 7, 710              |
| \$3,000 to \$5,000.....                          | 6, 808              | 7, 475              | 2, 413              | 5, 352              | 3, 832              | 20, 895             | 18, 397             |
| \$5,000 to \$10,000.....                         | 20, 665             | 22, 896             | 9, 551              | 17, 448             | 12, 407             | 35, 615             | 35, 077             |
| \$10,000 to \$25,000.....                        | 74, 228             | 82, 768             | 59, 893             | 49, 661             | 31, 897             | 60, 150             | 54, 977             |
| \$25,000 to \$50,000.....                        | 119, 475            | 136, 698            | 113, 904            | 72, 708             | 40, 096             | 43, 546             | 52, 355             |
| \$50,000 to \$100,000.....                       | 156, 675            | 194, 447            | 160, 814            | 87, 379             | 44, 780             | 47, 150             | 57, 491             |
| \$100,000 to \$150,000.....                      | 87, 398             | 116, 856            | 99, 560             | 48, 749             | 23, 135             | 24, 499             | 30, 369             |
| \$150,000 to \$300,000.....                      | 123, 776            | 182, 514            | 159, 221            | 62, 463             | 28, 793             | 31, 912             | 40, 412             |
| \$300,000 to \$500,000.....                      | 73, 750             | 113, 250            | 97, 336             | 33, 053             | 15, 411             | 18, 554             | 17, 910             |
| \$500,000 to \$1,000,000.....                    | 64, 265             | 116, 424            | 106, 219            | 34, 289             | 15, 457             | 19, 016             | 21, 221             |
| \$1,000,000 and over.....                        | 98, 657             | 185, 140            | 191, 054            | 61, 098             | 23, 856             | 10, 476             | 27, 759             |
| <b>Average tax rate on net income, per cent.</b> | <b>3.68</b>         | <b>4.63</b>         | <b>4.04</b>         | <b>2.63</b>         | <b>1.81</b>         | <b>2.83</b>         | <b>3.40</b>         |
| Under \$1,000.....                               | .06                 | .09                 | .02                 | .04                 | .02                 | .04                 | .04                 |
| \$1,000 to \$2,000.....                          | .07                 | .10                 | .04                 | .08                 | .07                 | .07                 | .09                 |
| \$2,000 to \$3,000.....                          | .19                 | .21                 | .07                 | .18                 | .15                 | .40                 | .34                 |
| \$3,000 to \$5,000.....                          | .14                 | .16                 | .05                 | .13                 | .11                 | .90                 | .83                 |
| \$5,000 to \$10,000.....                         | .53                 | .63                 | .21                 | .47                 | .44                 | 2.12                | 2.28                |
| \$10,000 to \$25,000.....                        | 1.98                | 2.05                | 1.49                | 1.70                | 1.50                | 4.32                | 4.94                |
| \$25,000 to \$50,000.....                        | 5.82                | 5.87                | 5.24                | 5.25                | 4.89                | 6.92                | 8.31                |
| \$50,000 to \$100,000.....                       | 10.20               | 10.47               | 9.77                | 9.51                | 8.48                | 11.99               | 14.34               |
| \$100,000 to \$150,000.....                      | 13.74               | 13.74               | 12.92               | 13.08               | 11.77               | 20.41               | 28.61               |
| \$150,000 to \$300,000.....                      | 15.72               | 16.77               | 14.64               | 14.91               | 13.58               | 27.04               | 29.03               |
| \$300,000 to \$500,000.....                      | 17.11               | 17.08               | 15.49               | 15.96               | 15.08               | 35.58               | 32.82               |
| \$500,000 to \$1,000,000.....                    | 16.99               | 17.35               | 15.86               | 16.20               | 15.11               | 32.38               | 37.43               |
| \$1,000,000 and over.....                        | 16.42               | 16.70               | 15.76               | 16.98               | 16.19               | 46.75               | 31.96               |

<sup>1</sup> Includes normal tax, surtax, and tax on capital net gain from sale of assets held more than 2 years, less tax credits. See table 182.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

## No. 185.—INDIVIDUAL INCOME TAX RETURNS: ANALYSIS, BY INCOME CLASSES, 1933

[All money figures, except average tax per return, in thousands of dollars]

| Net income class (thousands of dollars) | Number of returns | Total income | General deductions, including contributions | Net income <sup>1</sup> | Exemptions from normal tax |                        |                                                 |                               |
|-----------------------------------------|-------------------|--------------|---------------------------------------------|-------------------------|----------------------------|------------------------|-------------------------------------------------|-------------------------------|
|                                         |                   |              |                                             |                         | Personal exemption         | Dividends <sup>2</sup> | Interest on Government obligations <sup>3</sup> | Capital net gain <sup>4</sup> |
| Total.....                              | 3,723,553         | 13,393,925   | 2,385,187                                   | 11,008,638              | 8,306,120                  | 1,559,046              | 31,669                                          | 133,916                       |
| Under 1, free <sup>5</sup> .....        | 388,800           |              |                                             | 259,875                 | 680,738                    |                        |                                                 |                               |
| Under 1, taxed.....                     | 9,167             |              |                                             | 4,809                   | 1,301                      |                        |                                                 |                               |
| 1-2, free <sup>5</sup> .....            | 743,066           |              |                                             | 1,072,779               | 1,949,210                  |                        |                                                 |                               |
| 1-2, taxed.....                         | 737,651           |              |                                             | 1,020,512               | 745,861                    |                        |                                                 |                               |
| 2-3, free <sup>5</sup> .....            | 648,307           | 8,286,286    | 1,425,136                                   | 1,616,707               | 1,922,076                  | 359,180                |                                                 |                               |
| 2-3, taxed.....                         | 265,801           |              |                                             | 678,879                 | 465,005                    |                        |                                                 |                               |
| 3-4, free <sup>5</sup> .....            | 108,821           |              |                                             | 355,178                 | 575,405                    |                        |                                                 |                               |
| 3-4, taxed.....                         | 297,760           |              |                                             | 929,385                 | 661,182                    |                        |                                                 |                               |
| 4-5, free <sup>5</sup> .....            | 20,134            |              |                                             | 88,064                  | 62,685                     |                        |                                                 |                               |
| 4-5, taxed.....                         | 142,860           |              |                                             | 634,812                 | 380,013                    |                        |                                                 |                               |
| 5-6, free <sup>5</sup> .....            | 7,391             |              |                                             | 40,355                  | 17,183                     |                        |                                                 |                               |
| 5-6, taxed.....                         | 85,417            | 628,183      | 121,282                                     | 438,546                 | 235,248                    | 60,361                 | 2,811                                           |                               |
| 6-10.....                               | 136,946           | 1,297,174    | 266,198                                     | 1,030,975               | 357,435                    | 172,055                | 7,559                                           |                               |
| 10-25.....                              | 75,643            | 1,370,035    | 257,949                                     | 1,112,086               | 150,882                    | 297,176                | 10,882                                          | 1,812                         |
| 25-50.....                              | 18,423            | 754,987      | 124,981                                     | 630,005                 | 67,275                     | 214,968                | 5,475                                           | 15,039                        |
| 50-100.....                             | 6,021             | 484,458      | 83,409                                      | 401,049                 | 13,278                     | 181,420                | 2,681                                           | 19,584                        |
| 100-150.....                            | 1,084             | 158,041      | 28,882                                      | 129,159                 | 2,273                      | 94,292                 | 800                                             | 13,171                        |
| 150-300.....                            | 695               | 173,069      | 33,854                                      | 139,215                 | 1,404                      | 81,892                 | 994                                             | 21,691                        |
| 300-500.....                            | 141               | 67,331       | 12,760                                      | 54,571                  | 273                        | 32,646                 | 156                                             | 12,187                        |
| 500-1,000.....                          | 81                | 69,805       | 13,105                                      | 56,700                  | 141                        | 40,692                 | 123                                             | 12,848                        |
| 1,000 and over.....                     | 50                | 104,468      | 17,601                                      | 86,867                  | 85                         | 54,064                 | 207                                             | 37,284                        |

| Net income class (thousands of dollars) | Tax before tax credit |             | Tax credit—12½ per cent on capital net gain <sup>6</sup> | Tax credit—12½ per cent on capital net loss <sup>7</sup> | Net tax | Average tax per return (dollars) | Average rate of tax on net income (percent) | Percent distribution |            |        |
|-----------------------------------------|-----------------------|-------------|----------------------------------------------------------|----------------------------------------------------------|---------|----------------------------------|---------------------------------------------|----------------------|------------|--------|
|                                         | Normal tax            | Surplus tax |                                                          |                                                          |         |                                  |                                             | Returns              | Net income | Tax    |
| Total.....                              | 164,277               | 944,307     | 16,435                                                   | 50,899                                                   | 874,120 | 100.47                           | 3.40                                        | 100.00               | 100.00     | 100.00 |
| Under 1, free <sup>5</sup> .....        |                       |             |                                                          |                                                          |         |                                  |                                             | 10.43                | 2.36       |        |
| Under 1, taxed.....                     | 97                    |             |                                                          |                                                          | 97      | 10.53                            | 1.98                                        | .25                  | .04        | .03    |
| 1-2, free <sup>5</sup> .....            |                       |             |                                                          |                                                          |         |                                  |                                             | 19.96                | 9.74       |        |
| 1-2, taxed.....                         | 10,345                |             |                                                          |                                                          | 10,345  | 14.02                            | 1.01                                        | 19.81                | 9.27       | 2.77   |
| 2-3, free <sup>5</sup> .....            |                       |             |                                                          |                                                          |         |                                  |                                             | 17.41                | 14.69      |        |
| 2-3, taxed.....                         | 7,710                 |             |                                                          |                                                          | 7,710   | 29.01                            | 1.14                                        | 7.14                 | 6.17       | 2.06   |
| 3-4, free <sup>5</sup> .....            |                       |             |                                                          |                                                          |         |                                  |                                             | 4.52                 | 5.07       |        |
| 3-4, taxed.....                         | 9,422                 |             |                                                          |                                                          | 9,422   | 35.19                            | 1.02                                        | 7.19                 | 3.42       | 2.52   |
| 4-5, free <sup>5</sup> .....            |                       |             |                                                          |                                                          |         |                                  |                                             | .64                  | .80        |        |
| 4-5, taxed.....                         | 8,975                 |             |                                                          |                                                          | 8,975   | 62.82                            | 1.41                                        | 3.84                 | 5.77       | 2.40   |
| 5-6, free <sup>5</sup> .....            |                       |             |                                                          |                                                          |         |                                  |                                             | .20                  | .37        |        |
| 5-6, taxed.....                         | 8,449                 |             |                                                          |                                                          | 8,449   | 98.91                            | 1.81                                        | 2.29                 | 4.24       | 2.26   |
| 6-10.....                               | 24,511                | 2,117       |                                                          |                                                          | 26,628  | 194.44                           | 2.68                                        | 3.68                 | 9.37       | 7.12   |
| 10-25.....                              | 42,210                | 15,843      | 223                                                      | 3,300                                                    | 54,977  | 726.80                           | 4.94                                        | 2.03                 | 10.10      | 14.70  |
| 25-50.....                              | 26,920                | 37,906      | 1,769                                                    | 14,241                                                   | 52,355  | 2,841.83                         | 8.31                                        | .49                  | 5.73       | 13.99  |
| 50-100.....                             | 15,354                | 55,186      | 2,383                                                    | 15,422                                                   | 57,491  | 9,548.41                         | 14.34                                       | .16                  | 3.65       | 15.36  |
| 100-150.....                            | 4,364                 | 29,948      | 1,638                                                    | 5,582                                                    | 30,369  | 28,015.68                        | 23.51                                       | .03                  | 1.17       | 8.12   |
| 150-300.....                            | 3,490                 | 40,572      | 2,668                                                    | 6,318                                                    | 40,412  | 58,146.76                        | 29.03                                       | .02                  | 1.26       | 10.80  |
| 300-500.....                            | 1,195                 | 17,725      | 1,507                                                    | 2,517                                                    | 17,010  | 127,021.28                       | 32.62                                       | ( <sup>8</sup> )     | .50        | 4.79   |
| 500-1,000.....                          | 725                   | 20,202      | 1,562                                                    | 1,289                                                    | 21,221  | 261,987.65                       | 37.43                                       | ( <sup>8</sup> )     | .52        | 5.67   |
| 1,000 and over.....                     | 519                   | 24,808      | 4,654                                                    | 2,220                                                    | 27,759  | 555,180.00                       | 31.96                                       | ( <sup>8</sup> )     | .79        | 7.42   |

<sup>1</sup> Capital net gain from sale of assets held more than 2 years is included in net income, but capital net loss from sale of assets held more than 2 years and net loss for prior year are not deducted.

<sup>2</sup> On stock of domestic corporations.

<sup>3</sup> If not wholly exempt from tax.

<sup>4</sup> Relates to net gain from sale of assets held more than 2 years and is the excess of the total capital net gain over capital losses. This amount less certain allowable deductions (see table 180) is subject to a special tax.

<sup>5</sup> Specific exemptions exceed net income.

<sup>6</sup> Tax of 12½ per cent on capital net gain from sale of assets held more than 2 years after deducting credits against this item. See note 4 and table 180.

<sup>7</sup> Capital net loss from sale of assets held more than 2 years.

<sup>8</sup> Less than five-thousandths of 1 percent.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department



### No. 186.—INDIVIDUAL INCOME TAX RETURNS: PERCENTAGE OF TOTAL INCOME DERIVED FROM EACH SOURCE, BY INCOME CLASSES, 1933

| Net income class (thousands of dollars) | Total income <sup>1</sup> | Wages and salaries | Business | Partnership | Profit from sale of real estate, stocks, bonds, etc. |           | Rents and royalties | Dividends on stock of domestic corporations | Interest on Government obligations <sup>2</sup> | Other taxable interest | Other income <sup>3</sup> |
|-----------------------------------------|---------------------------|--------------------|----------|-------------|------------------------------------------------------|-----------|---------------------|---------------------------------------------|-------------------------------------------------|------------------------|---------------------------|
|                                         |                           |                    |          |             | Reported for tax on capital net gain                 | All other |                     |                                             |                                                 |                        |                           |
| Total.....                              | 100.00                    | 55.18              | 10.47    | 4.51        | 1.00                                                 | 3.13      | 3.34                | 11.84                                       | 0.24                                            | 7.18                   | 3.31                      |
| Under 5 (est.).....                     | 100.00                    | 67.00              | 12.18    | 2.44        | -----                                                | 1.34      | 3.90                | 4.33                                        | -----                                           | 6.50                   | 2.30                      |
| 5-10.....                               | 100.00                    | 50.75              | 10.98    | 6.12        | -----                                                | 4.14      | 3.08                | 12.07                                       | .54                                             | 8.09                   | 4.28                      |
| 10-25.....                              | 100.00                    | 36.89              | 8.09     | 7.91        | .13                                                  | 8.33      | 2.74                | 21.69                                       | .79                                             | 9.39                   | 6.04                      |
| 25-50.....                              | 100.00                    | 27.46              | 5.78     | 9.81        | 1.99                                                 | 7.96      | 2.24                | 28.47                                       | .73                                             | 9.38                   | 6.18                      |
| 50-100.....                             | 100.00                    | 20.24              | 4.03     | 11.01       | 4.04                                                 | 8.45      | 1.66                | 37.45                                       | .56                                             | 7.79                   | 4.88                      |
| 100-150.....                            | 100.00                    | 15.76              | 2.49     | 12.82       | 8.33                                                 | 9.09      | .87                 | 40.68                                       | .51                                             | 6.13                   | 3.32                      |
| 150-300.....                            | 100.00                    | 9.18               | 1.60     | 11.36       | 12.53                                                | 7.01      | .82                 | 47.32                                       | .57                                             | 6.81                   | 2.81                      |
| 300-500.....                            | 100.00                    | 7.47               | .92      | 7.21        | 18.10                                                | 8.12      | .06                 | 48.48                                       | .23                                             | 4.29                   | 5.12                      |
| 500-1,000.....                          | 100.00                    | 3.34               | 1.55     | 3.19        | 18.41                                                | 6.45      | 1.28                | 58.72                                       | .18                                             | 3.80                   | 2.98                      |
| 1,000 and over.....                     | 100.00                    | 2.67               | .08      | 1.25        | 35.69                                                | 4.64      | .02                 | 51.76                                       | .20                                             | 2.51                   | 1.18                      |

<sup>1</sup> For amount of income by sources and by income classes, see tables 182 and 185, respectively.

<sup>2</sup> If not wholly exempt from tax.

<sup>3</sup> Includes fiduciary income.

### No. 187.—INDIVIDUAL INCOME TAX RETURNS: BY FAMILY RELATIONSHIP

|                                                        | 1928       | 1929       | 1930       | 1931       | 1932       | 1933       |
|--------------------------------------------------------|------------|------------|------------|------------|------------|------------|
| Number of returns.....                                 | 4,070,851  | 4,044,327  | 3,707,509  | 3,225,924  | 3,877,430  | 3,723,558  |
| Joint returns of husbands and wives <sup>1</sup> ..... | 1,976,954  | 1,073,864  | 1,864,229  | 1,646,523  | 1,921,105  | 1,850,863  |
| Wives filing separate returns.....                     | 124,208    | 110,208    | 104,325    | 85,238     | 83,005     | 79,530     |
| Single men, heads of families.....                     | 283,673    | 260,116    | 268,180    | 237,157    | 255,253    | 264,221    |
| Single women, heads of families.....                   | 105,194    | 107,867    | 107,117    | 104,649    | 159,140    | 164,471    |
| All other men.....                                     | 1,079,948  | 1,055,604  | 894,708    | 708,951    | 820,352    | 779,259    |
| All other women.....                                   | 456,787    | 487,822    | 430,205    | 415,061    | 623,483    | 569,244    |
| Community property income.....                         | 40,917     | 42,789     | 34,747     | 24,845     | 15,092     | 15,070     |
| Net income (1,000 dollars).....                        | 26,226,326 | 24,800,736 | 18,118,635 | 13,804,995 | 11,655,757 | 11,008,638 |
| Joint returns of husbands and wives <sup>1</sup> ..... | 15,269,775 | 14,653,489 | 10,882,726 | 8,210,345  | 7,033,542  | 6,743,440  |
| Wives filing separate returns.....                     | 1,525,571  | 1,476,821  | 915,035    | 591,613    | 446,852    | 420,730    |
| Single men, heads of families.....                     | 1,280,921  | 1,257,834  | 986,809    | 752,865    | 629,446    | 622,703    |
| Single women, heads of families.....                   | 602,098    | 617,615    | 435,463    | 363,809    | 371,348    | 351,838    |
| All other men.....                                     | 3,944,632  | 3,879,011  | 2,755,809  | 1,961,087  | 1,844,610  | 1,510,777  |
| All other women.....                                   | 2,043,223  | 2,168,737  | 1,704,108  | 1,402,237  | 1,350,466  | 1,198,687  |
| Community property income.....                         | 660,106    | 647,799    | 438,625    | 293,040    | 178,993    | 190,454    |

<sup>1</sup> Includes returns of husbands whose wives, though living with them, file separate returns.

Source of Tables 186 and 187: Statistics of Income, Reports of the Commissioner of Internal Revenue.

### No. 188.—CORPORATION INCOME TAX RETURNS: RECEIPTS, DEDUCTIONS, PROFITS, AND TAX, ALL CORPORATIONS, 1921 TO 1933

[All money figures in millions of dollars]

| Year      | Total number of returns | Receipts                              |                          |                                                   |                        |                                                                                                                           | Statutory deductions       |                    |               |
|-----------|-------------------------|---------------------------------------|--------------------------|---------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------|---------------|
|           |                         | Total completed receipts <sup>1</sup> | Gross sales <sup>2</sup> | Gross receipts from other operations <sup>3</sup> | Miscellaneous receipts | Tax-exempt income<br>Dividends from domestic corporations <sup>4</sup><br>Interest on tax-exempt obligations <sup>5</sup> | Total statutory deductions | Cost of goods sold | Interest paid |
| 1921..... | 356,397                 | 91,433                                | -----                    | -----                                             | -----                  | 509                                                                                                                       | 90,282                     | 53,328             | 3,141         |
| 1922..... | 382,883                 | 101,315                               | 75,228                   | 18,609                                            | 8,281                  | 803                                                                                                                       | 95,347                     | 57,413             | 3,069         |
| 1923..... | 398,933                 | 119,020                               | 91,435                   | 19,710                                            | 6,549                  | 870                                                                                                                       | 111,386                    | 69,020             | 3,278         |
| 1924..... | 417,421                 | 119,747                               | 91,908                   | 19,220                                            | 7,187                  | 915                                                                                                                       | 112,952                    | 71,730             | 3,445         |
| 1925..... | 430,072                 | 134,780                               | 101,476                  | (9)                                               | 31,609                 | 1,175                                                                                                                     | 125,404                    | 80,652             | 3,617         |
| 1926..... | 455,320                 | 142,629                               | 106,206                  | 9,332                                             | 25,085                 | 1,506                                                                                                                     | 133,119                    | 82,484             | 3,989         |
| 1927..... | 475,031                 | 144,899                               | 106,864                  | 9,420                                             | 26,457                 | 1,658                                                                                                                     | 136,230                    | 83,487             | 4,375         |
| 1928..... | 495,892                 | 153,375                               | 112,436                  | 10,334                                            | 28,095                 | 1,917                                                                                                                     | 142,638                    | 87,265             | 4,581         |
| 1929..... | 509,436                 | 161,158                               | 118,101                  | 28,698                                            | 11,323                 | 2,693                                                                                                                     | 149,289                    | 91,076             | 4,925         |
| 1930..... | 518,736                 | 136,588                               | 97,941                   | 25,267                                            | 10,283                 | 2,671                                                                                                                     | 131,940                    | 76,190             | 4,861         |
| 1931..... | 516,404                 | 108,067                               | 75,494                   | 21,945                                            | 8,107                  | 1,969                                                                                                                     | 108,834                    | 58,774             | 4,492         |
| 1932..... | 508,636                 | 81,638                                | 53,294                   | 19,583                                            | 6,946                  | 1,260                                                                                                                     | 85,407                     | 41,430             | 4,043         |
| 1933..... | 504,080                 | 84,234                                | 57,777                   | 18,982                                            | 1,159                  | 1,026                                                                                                                     | 85,164                     | 43,626             | 3,511         |

For footnotes see p. 187.

## No. 188.—CORPORATION INCOME TAX RETURNS, RECEIPTS, DEDUCTIONS, PROFITS AND TAX, ALL CORPORATIONS, 1921 TO 1933—Continued

[All money figures in millions of dollars]

| Year | Statutory deductions—Con.               |                                         |                                       | Com-<br>piled<br>net<br>profit <sup>7</sup> | Statu-<br>tory net<br>income<br>less<br>statu-<br>tory<br>deficit | Net<br>loss<br>for<br>year <sup>8</sup> | Total<br>tax      | Com-<br>piled<br>net<br>profit<br>less<br>total<br>tax | Dividends<br>paid <sup>9</sup> |       |
|------|-----------------------------------------|-----------------------------------------|---------------------------------------|---------------------------------------------|-------------------------------------------------------------------|-----------------------------------------|-------------------|--------------------------------------------------------|--------------------------------|-------|
|      | Taxes<br>other<br>than<br>income<br>tax | Depre-<br>ciation<br>and de-<br>pletion | Miscal-<br>laneous<br>deduc-<br>tions |                                             |                                                                   |                                         |                   |                                                        | Cash                           | Stock |
| 1921 | 1,473                                   | 2,573                                   | 23,767                                | 1,166                                       | 468                                                               |                                         | <sup>10</sup> 702 | 454                                                    |                                |       |
| 1922 | 1,518                                   | 2,589                                   | 30,458                                | 5,967                                       | 4,770                                                             | 502                                     | <sup>10</sup> 784 | 5,183                                                  | 3,437                          | 3,345 |
| 1923 | 1,635                                   | 3,116                                   | 33,736                                | 7,634                                       | 6,308                                                             | 578                                     | 937               | 6,697                                                  | 4,169                          | 891   |
| 1924 | 1,070                                   | 3,187                                   | 32,911                                | 6,795                                       | 5,363                                                             | 220                                     | 882               | 5,914                                                  | 4,339                          | 511   |
| 1925 | (1)                                     | 3,530                                   | 37,865                                | 9,316                                       | 7,621                                                             | 243                                     | 1,170             | 8,146                                                  | 5,189                          | 544   |
| 1926 | 1,378                                   | 3,841                                   | 40,927                                | 9,510                                       | 7,505                                                             | 235                                     | 1,230             | 8,281                                                  | 5,945                          | 758   |
| 1927 | 2,014                                   | 3,948                                   | 42,506                                | 8,669                                       | 6,510                                                             | 244                                     | 1,131             | 7,538                                                  | 6,423                          | 703   |
| 1928 | 2,203                                   | 4,112                                   | 44,477                                | 10,737                                      | 8,227                                                             | 301                                     | 1,184             | 9,553                                                  | 7,074                          | 550   |
| 1929 | 2,222                                   | 4,430                                   | 46,636                                | 11,870                                      | 8,740                                                             | 392                                     | 1,198             | 10,676                                                 | 8,356                          | 1,289 |
| 1930 | 2,237                                   | 4,449                                   | 44,142                                | 4,649                                       | 1,551                                                             | 158                                     | 712               | 5,937                                                  | 8,202                          | 414   |
| 1931 | 2,231                                   | 4,270                                   | 39,007                                | 13,777                                      | 13,233                                                            | 130                                     | 399               | 12,176                                                 | 6,151                          | 164   |
| 1932 | 2,087                                   | 3,940                                   | 28,816                                | <sup>12</sup> 8,629                         | <sup>14</sup> 6,644                                               | 88                                      | 286               | <sup>12</sup> 4,116                                    | 5,896                          | 143   |
| 1933 | 2,124                                   | 3,742                                   | 16,390                                | <sup>13</sup> 930                           | <sup>15</sup> 2,547                                               |                                         | 423               | <sup>12</sup> 1,363                                    | 3,127                          | 102   |

<sup>1</sup> Includes net profit from sale of real estate, stocks, bonds, etc., and other capital assets, but not gross receipts from these items. Nontaxable income items of major importance only, interest on tax-exempt obligations and dividends on stock of domestic corporations, are included.

<sup>2</sup> Where inventories are an income-determining factor, for cost of goods sold see statutory deductions.

<sup>3</sup> Gross profits other than from sales prior to 1932. <sup>4</sup> 1921 includes dividends from foreign corporations.

<sup>5</sup> Includes obligations of States and Territories or minor political subdivisions, securities issued under the Federal Farm Loan Act, and obligations of the United States or its possessions.

<sup>6</sup> For 1925, profits from operations other than from gross sales for all corporations were tabulated in "Miscellaneous receipts". For the years 1926, 1927, and 1928, such profits for corporations classified under "Transportation and other public utilities", "Service", "Finance", and "Nature of business not given" only were included in "Miscellaneous receipts".

<sup>7</sup> Compiled receipts less statutory deductions. <sup>8</sup> Deducted by concerns reporting net income.

<sup>9</sup> Excludes dividends of life insurance companies prior to 1928. Data were not compiled for 1921.

<sup>10</sup> Includes war and excess-profits tax. <sup>11</sup> Included in "Miscellaneous deductions". <sup>12</sup> Deficit.

Sources: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

## No. 189.—CORPORATION INCOME TAX RETURNS: RECEIPTS, DEDUCTIONS, PROFITS, AND TAX, BY INDUSTRIAL GROUPS, 1933

[All figures in millions or millions and tenths of millions of dollars]

|                                          | All<br>cor-<br>porations <sup>1</sup> | Agriculture<br>and<br>quarrying | Mining<br>and<br>quarrying | Manufacturing      |                                      |                                  |                                            |               |              |             |                              |
|------------------------------------------|---------------------------------------|---------------------------------|----------------------------|--------------------|--------------------------------------|----------------------------------|--------------------------------------------|---------------|--------------|-------------|------------------------------|
|                                          |                                       |                                 |                            | Total <sup>2</sup> | Food,<br>exclud-<br>ing<br>beverages | Li-<br>quors<br>and<br>beverages | To-<br>bacco<br>prod-<br>ucts <sup>3</sup> | Text-<br>iles | Leath-<br>er | Rub-<br>ber | For-<br>est<br>prod-<br>ucts |
| Compiled receipts, total <sup>4</sup>    | 84,234                                | 396.1                           | 1,968.4                    | 35,230.3           | 7,293.0                              | 693.8                            | 948.8                                      | 4,680.6       | 889.6        | 718.6       | 995.9                        |
| Gross sales                              | 57,777                                | 270.3                           | 1,209.7                    | 32,612.1           | 7,022.0                              | 569.9                            | 924.1                                      | 4,521.5       | 971.1        | 689.7       | 931.1                        |
| Gross receipts from other operations     | 18,982                                | 95.2                            | 646.0                      | 1,800.9            | 141.0                                | 11.0                             | 2.5                                        | 68.4          | 3.4          | 3.3         | 26.8                         |
| Interest                                 | 2,786                                 | 5.2                             | 17.6                       | 203.3              | 25.9                                 | 1.7                              | 2.4                                        | 10.8          | 2.7          | 7.7         | 6.4                          |
| Rents                                    | 1,650                                 | 9.4                             | 21.4                       | 118.3              | 15.1                                 | 4.6                              | .9                                         | 12.5          | 1.8          | 3.7         | 6.2                          |
| Profit, sale of capital assets           | 262                                   | 2.8                             | 17.8                       | 45.2               | 4.1                                  | .8                               | .2                                         | 2.4           | .5           | .2          | 4.0                          |
| Miscellaneous receipts                   | 1,159                                 | 8.3                             | 36.2                       | 410.6              | 56.2                                 | 3.3                              | 3.8                                        | 31.7          | 8.0          | 13.5        | 16.8                         |
| Tax-exempt income:                       |                                       |                                 |                            |                    |                                      |                                  |                                            |               |              |             |                              |
| Dividends of other domestic corporations | 1,026                                 | 4.0                             | 15.6                       | 160.5              | 21.0                                 | .6                               | 9.2                                        | 4.8           | .8           | .4          | 1.8                          |
| Interest on tax-exempt obligations       | 592                                   | 1.0                             | 8.1                        | 79.5               | 7.6                                  | 1.4                              | 3.7                                        | 8.5           | 1.3          | 1.2         | 1.9                          |
| Statutory deductions, total              | 56,164                                | 436.2                           | 1,119.1                    | 34,788.2           | 7,086.3                              | 532.1                            | 833.5                                      | 4,540.5       | 960.6        | 714.8       | 1,044.8                      |
| Cost of goods sold                       | 43,626                                | 191.3                           | 937.3                      | 23,932.0           | 5,421.8                              | 301.1                            | 739.6                                      | 3,523.4       | 763.6        | 488.5       | 703.8                        |
| Cost of other operations                 | 9,420                                 | 38.5                            | 365.1                      | 829.4              | 60.3                                 | 4.5                              | .2                                         | 41.7          | 1.7          | .2          | 15.3                         |
| Compensation of officers                 | 1,995                                 | 15.2                            | 37.6                       | 706.4              | 88.0                                 | 15.3                             | 6.1                                        | 133.2         | 24.2         | 6.6         | 35.7                         |
| Rents paid                               | 1,422                                 | 14.2                            | 11.8                       | 292.4              | 41.3                                 | 3.3                              | 1.7                                        | 41.6          | 13.6         | 7.8         | 7.6                          |
| Interest paid                            | 3,511                                 | 20.0                            | 72.9                       | 460.3              | 64.5                                 | 4.5                              | 3.6                                        | 33.3          | 4.8          | 17.5        | 24.1                         |
| Taxes paid <sup>5</sup>                  | 2,124                                 | 19.4                            | 62.7                       | 645.5              | 72.9                                 | 46.6                             | 9.8                                        | 67.9          | 7.4          | 16.1        | 23.2                         |
| Bad debts                                | 1,249                                 | 6.3                             | 16.2                       | 318.1              | 39.1                                 | 8.3                              | 2.1                                        | 35.8          | 10.9         | 10.0        | 22.9                         |
| Depreciation and depletion               | 3,742                                 | 33.5                            | 267.1                      | 1,632.5            | 174.5                                | 18.4                             | 6.9                                        | 135.0         | 15.0         | 34.2        | 64.3                         |
| Loss, sale of capital assets             | 1,686                                 | 11.1                            | 32.2                       | 280.7              | 38.5                                 | 9.0                              | .8                                         | 28.2          | 3.6          | 1.4         | 11.0                         |
| Miscellaneous deductions                 | 16,390                                | 86.4                            | 316.2                      | 5,683.9            | 1,035.4                              | 121.1                            | 112.3                                      | 500.4         | 116.0        | 131.5       | 156.9                        |
| Compiled net profit or deficit           | 1,930                                 | 740.4                           | 1,752.7                    | 444.1              | 208.8                                | 61.2                             | 63.2                                       | 120.1         | 28.9         | 4.9         | 768.9                        |
| Deduct tax-exempt items                  | 1,617                                 | 5.0                             | 23.7                       | 240.0              | 23.6                                 | 2.0                              | 12.9                                       | 13.3          | 2.1          | 1.6         | 3.7                          |
| Statutory net income less net deficit    | 72,547                                | 745.4                           | 1,776.4                    | 204.1              | 178.2                                | 59.2                             | 50.3                                       | 106.8         | 26.8         | 3.3         | 772.6                        |
| Income tax                               | 416                                   | 2.1                             | 9.9                        | 203.7              | 36.9                                 | 10.2                             | 9.0                                        | 28.0          | 6.6          | 1.8         | 3.2                          |
| Excess-profits tax                       | 7                                     | .1                              | .3                         | 3.7                | .6                                   | .4                               | ( <sup>6</sup> )                           | .8            | .2           | .1          | .1                           |
| Total tax                                | 423                                   | 2.2                             | 10.2                       | 207.4              | 37.5                                 | 10.6                             | 9.0                                        | 28.8          | 6.8          | 1.9         | 3.3                          |
| Compiled net profit less tax             | 71,363                                | 743.2                           | 1,766.2                    | 238.7              | 169.2                                | 50.6                             | 54.2                                       | 91.4          | 22.1         | 2.9         | 772.1                        |

For footnotes, see p. 188.

# No. 189.—CORPORATION INCOME TAX RETURNS: RECEIPTS, DEDUCTIONS, PROFITS, AND TAX, BY INDUSTRIAL GROUPS, 1933—Continued

[All figures in millions and tenths of millions of dollars]

|                                          | Manufacturing |         |         |        |         | Con-      | Public    | Trade    | Public  | Finance   |
|------------------------------------------|---------------|---------|---------|--------|---------|-----------|-----------|----------|---------|-----------|
|                                          | Paper         | Print-  | Chem-   | Stone, | Met-    | struction | utilities |          | service |           |
|                                          |               | ing     | icals   | etc.   | als     |           |           |          |         |           |
| Compiled receipts, total <sup>1</sup>    | 1,185.1       | 1,654.6 | 6,298.6 | 721.1  | 5,187.4 | 1,033.0   | 10,628.5  | 24,213.6 | 2,823.5 | 7,833.0   |
| Gross sales                              | 1,121.1       | 889.9   | 5,619.6 | 691.2  | 7,631.1 | 493.6     |           | 23,191.8 |         |           |
| Gross receipts from other operations     | 4.9           | 703.8   | 425.4   | 10.0   | 180.4   | 532.2     | 9,768.6   | 506.7    | 2,495.2 | 103,336.8 |
| Interest                                 | 15.6          | 8.6     | 51.2    | 4.2    | 58.8    | 12.0      | 231.1     | 76.4     | 16.3    | 2,223.1   |
| Rents                                    | 4.6           | 15.8    | 20.2    | 2.6    | 25.8    | 12.8      | 141.2     | 92.3     | 235.2   | 1,019.3   |
| Profit, sale of capital assets           | 1.7           | 2.6     | 11.9    | 1.4    | 13.1    | 3.5       | 10.7      | 16.9     | 7.5     | 157.8     |
| Miscellaneous receipts                   | 12.3          | 17.8    | 81.8    | 7.3    | 144.3   | 14.3      | 146.8     | 280.5    | 58.6    | 202.8     |
| Tax-exempt income:                       |               |         |         |        |         |           |           |          |         |           |
| Dividends of other domestic corporations | 2.9           | 12.2    | 75.7    | 1.9    | 27.7    | 10.1      | 310.8     | 34.4     | 8.4     | 480.9     |
| Interest on tax-exempt obligations       | 2.0           | 4.0     | 12.8    | 2.6    | 30.2    | 4.5       | 19.3      | 14.6     | 2.2     | 462.2     |
| Statutory deductions, total              | 1,143.9       | 1,625.3 | 6,126.4 | 737.6  | 5,316.4 | 1,136.3   | 10,384.3  | 24,204.9 | 3,129.8 | 118,959.1 |
| Cost of goods sold                       | 803.8         | 559.5   | 3,763.0 | 404.1  | 5,737.6 | 392.0     |           | 18,171.8 |         |           |
| Cost of other operations                 | 1.6           | 448.3   | 186.8   | 5.7    | 68.7    | 375.6     | 5,222.4   | 218.5    | 1,000.4 | 1,365.3   |
| Compensation of officers                 | 28.7          | 80.3    | 62.9    | 23.0   | 159.7   | 67.8      | 80.5      | 600.3    | 144.4   | 341.9     |
| Rents paid                               | 10.0          | 35.8    | 61.0    | 4.9    | 50.7    | 12.2      | 180.0     | 549.0    | 201.7   | 160.1     |
| Interest paid                            | 33.1          | 27.8    | 106.3   | 14.0   | 113.4   | 22.4      | 1,553.1   | 150.2    | 168.3   | 1,062.9   |
| Taxes paid                               | 19.0          | 20.7    | 166.4   | 13.6   | 167.5   | 11.6      | 678.1     | 183.4    | 110.2   | 407.7     |
| Bad debts                                | 9.3           | 28.6    | 42.3    | 8.9    | 79.4    | 14.5      | 85.1      | 244.9    | 34.2    | 529.1     |
| Depreciation and depletion               | 64.8          | 56.2    | 482.0   | 64.5   | 474.8   | 46.8      | 1,011.5   | 254.6    | 202.8   | 263.0     |
| Loss, sale of capital assets             | 5.5           | 13.5    | 54.3    | 7.0    | 96.7    | 11.9      | 124.7     | 79.0     | 63.6    | 1,070.2   |
| Misc. deductions                         | 163.1         | 357.6   | 1,210.3 | 131.9  | 1,378.0 | 180.7     | 1,438.9   | 3,743.2  | 1,204.2 | 113,723.0 |
| Compiled net profit or deficit           | 21.1          | 28.3    | 172.2   | 116.5  | 149.0   | 166.8     | 244.2     | 8.7      | 1,806.4 | 1,070.1   |
| Deduct tax-exempt items                  | 4.9           | 18.2    | 88.5    | 4.5    | 57.9    | 14.6      | 330.1     | 49.0     | 10.6    | 943.1     |
| Statutory net income less net deficit    | 10.2          | 13.1    | 83.7    | 11.0   | 180.9   | 172.2     | 78.9      | 10.9     | 1,817.0 | 2,013.2   |
| Income tax                               | 7.3           | 9.9     | 38.2    | 4.8    | 40.6    | 3.3       | 92.3      | 60.4     | 8.5     | 35.8      |
| Excess-profits tax                       | 1             | 1       | 5       | 1      | 3       | 2         | 3         | 1.8      | 2       | 5         |
| Total tax                                | 7.4           | 10.0    | 38.7    | 4.9    | 40.9    | 3.5       | 92.6      | 62.2     | 8.7     | 36.3      |
| Compiled net profit less tax             | 13.7          | 19.3    | 133.4   | 11.1   | 190.0   | 168.7     | 151.6     | 78.6     | 1,815.1 | 1,106.4   |

<sup>1</sup> Includes corporations not reporting nature of business. <sup>2</sup> Includes "other manufacturing" not shown.  
<sup>3</sup> For revisions in the 1932 figures published in the 1935 issue of the Statistical Abstract, see p. 198.  
<sup>4</sup> See note on corresponding item, table 188. <sup>5</sup> Rent on business property.  
<sup>6</sup> Taxes other than income tax. <sup>7</sup> Deficit. <sup>8</sup> Less than \$50,000. <sup>9</sup> Including transportation.  
<sup>10</sup> Includes for a limited number of returns the cost of securities purchased for customers.  
<sup>11</sup> Includes special nonexpense deductions of life-insurance companies.

## No. 190.—GROSS INCOME OF CORPORATIONS: BY INDUSTRIAL GROUPS

NOTE.—In millions of dollars. Gross income excludes nontaxable income, except dividends on capital stock of domestic corporations, but includes receipts from all other sources. Sales are included on a gross basis, but only net profits from the sale of capital assets are included.

| Industrial group                    | 1926    | 1927    | 1928    | 1929    | 1930    | 1931    | 1932   | 1933   |
|-------------------------------------|---------|---------|---------|---------|---------|---------|--------|--------|
| Total                               | 142,130 | 144,398 | 152,781 | 160,622 | 136,062 | 107,615 | 81,083 | 83,642 |
| Agriculture and related industries  | 864     | 822     | 825     | 883     | 671     | 492     | 368    | 395    |
| Mining and quarrying                | 4,548   | 3,837   | 3,589   | 4,048   | 2,999   | 2,229   | 1,665  | 1,958  |
| Manufacturing, total                | 62,495  | 63,723  | 67,273  | 72,132  | 58,650  | 44,033  | 31,976 | 35,151 |
| Food products                       | 12,316  | 12,713  | 13,049  | 13,497  | 12,015  | 9,355   | 7,290  | 7,285  |
| Liquors and beverages               |         |         |         |         |         |         |        | 592    |
| Tobacco products                    | 1,160   | 1,201   | 1,200   | 1,271   | 1,171   | 1,184   | 1,039  | 943    |
| Textiles and their products         | 7,753   | 7,807   | 7,837   | 8,233   | 6,417   | 5,301   | 3,884  | 4,652  |
| Leather and its manufactures        | 1,661   | 1,731   | 1,722   | 1,741   | 1,389   | 1,110   | 841    | 988    |
| Rubber products                     | 1,800   | 1,447   | 1,386   | 1,427   | 1,100   | 817     | 636    | 718    |
| Forest products                     | 3,099   | 2,804   | 2,842   | 2,795   | 1,983   | 1,348   | 854    | 904    |
| Paper, pulp, and products           | 1,662   | 1,669   | 1,728   | 1,796   | 1,579   | 1,272   | 1,009  | 1,163  |
| Printing, publishing, etc.          | 2,547   | 2,566   | 2,680   | 2,871   | 2,663   | 2,235   | 1,789  | 1,651  |
| Chemicals and allied products       | 8,090   | 8,768   | 9,651   | 10,238  | 9,727   | 7,324   | 6,458  | 6,266  |
| Stone, clay, and glass products     | 1,665   | 1,600   | 1,655   | 1,655   | 1,410   | 1,041   | 670    | 719    |
| Metal and its products              | 18,454  | 16,185  | 21,174  | 24,093  | 17,108  | 11,514  | 6,807  | 8,137  |
| All other manufacturing             | 2,527   | 2,223   | 2,449   | 2,466   | 1,994   | 1,482   | 999    | 1,023  |
| Construction                        | 2,816   | 3,066   | 2,978   | 3,082   | 3,042   | 2,236   | 1,438  | 1,079  |
| Transportation and public utilities | 14,764  | 15,140  | 15,802  | 17,084  | 15,996  | 13,386  | 11,239 | 10,609 |
| Trade                               | 40,938  | 40,944  | 43,204  | 43,495  | 37,209  | 30,593  | 23,123 | 24,199 |
| Public service                      | 3,360   | 3,587   | 3,823   | 4,192   | 4,165   | 3,679   | 3,002  | 2,821  |
| Finance, banking, insurance, etc.   | 12,300  | 13,204  | 15,234  | 15,659  | 13,267  | 10,880  | 8,157  | 7,421  |
| Nature of business not given        | 45      | 86      | 48      | 48      | 33      | 37      | 15     | 10     |

Source of tables 189 and 190: Statistics of Income, Report of the Commissioner of Internal Revenue.

## No. 191.—CORPORATION DIVIDENDS: As SHOWN IN INCOME TAX RETURNS

[In millions and tenths of millions of dollars. For totals for earlier years, see table 188]

| Industrial group                               | 1930    |       | 1931    |       | 1932    |       | 1933    |       |
|------------------------------------------------|---------|-------|---------|-------|---------|-------|---------|-------|
|                                                | Cash    | Stock | Cash    | Stock | Cash    | Stock | Cash    | Stock |
| Total.....                                     | 8,202.2 | 414.2 | 6,151.1 | 183.5 | 3,885.6 | 143.0 | 3,127.5 | 102.0 |
| Agriculture and related industries.....        | 25.0    | 3.2   | 25.7    | 1.9   | 13.5    | 0.5   | 6.5     | .4    |
| Mining and quarrying.....                      | 302.6   | 12.6  | 173.3   | 5.0   | 102.1   | 1.9   | 80.9    | 2.3   |
| Manufacturing, total.....                      | 3,161.0 | 121.9 | 2,285.6 | 42.1  | 1,328.5 | 81.5  | 1,169.6 | 39.3  |
| Food products.....                             | 483.2   | 9.3   | 200.2   | 6.2   | 231.7   | 7.1   | 194.5   | 7.5   |
| Liquors and beverages.....                     |         |       |         |       |         |       |         |       |
| Tobacco products.....                          |         |       |         |       |         |       |         |       |
| Textiles and their products.....               | 140.6   | 11.0  | 105.1   | 4.3   | 58.9    | 3.5   | 62.7    | 4.8   |
| Leather and its manufactures.....              | 40.0    | 1.7   | 28.5    | .6    | 20.6    | (1)   | 19.4    | .2    |
| Rubber products.....                           | 44.1    | .6    | 26.9    | (1)   | 19.3    | .7    | 7.8     | .1    |
| Forest products.....                           | 09.0    | 4.5   | 35.2    | 1.7   | 17.5    | .5    | 14.6    | 1.3   |
| Paper, pulp, and products.....                 | 75.3    | 12.1  | 46.0    | 3.4   | 25.9    | .5    | 30.1    | .4    |
| Printing, publishing, etc.....                 | 175.2   | 6.9   | 111.7   | 3.7   | 71.5    | 21.8  | 47.8    | 1.5   |
| Chemicals and allied products.....             | 864.8   | 25.4  | 608.6   | 6.6   | 378.9   | 12.5  | 372.2   | 13.9  |
| Stone, clay, and glass products.....           | 79.7    | 8.4   | 59.1    | .4    | 29.4    | .1    | 24.6    | .3    |
| Metal and its products.....                    | 1,091.9 | 35.3  | 724.7   | 13.9  | 342.5   | 33.8  | 253.5   | 6.1   |
| All other manufacturing.....                   | 97.2    | 6.7   | 73.5    | 1.2   | 31.4    | 1.0   | 27.7    | 1.0   |
| Construction.....                              | 113.5   | 7.8   | 63.1    | 6.3   | 40.5    | 2.5   | 30.3    | 3.3   |
| Transportation and other public utilities..... | 2,223.9 | 40.2  | 1,796.5 | 16.2  | 1,313.4 | 19.0  | 999.5   | 14.8  |
| Trade.....                                     | 560.8   | 61.7  | 433.3   | 16.5  | 250.4   | 10.6  | 213.1   | 15.5  |
| Public service.....                            | 166.1   | 11.3  | 115.7   | 10.5  | 71.9    | 1.4   | 42.3    | 1.5   |
| Finance—banking, insurance, etc.....           | 1,646.8 | 155.3 | 1,255.7 | 65.0  | 766.3   | 25.6  | 575.4   | 24.9  |
| Nature of business not given.....              | 2.5     | .1    | 2.1     | .1    | 1.0     | (1)   | .7      | (1)   |

1 Less than \$50,000.

## No. 192.—ASSETS AND LIABILITIES OF CORPORATIONS: As of DECEMBER 31 OR AT THE CLOSE OF THE FISCAL YEAR NEAREST THERETO

[All money figures in millions of dollars]

| Year      | Number of returns filed <sup>1</sup> | Number of balance sheets | Total assets or total liabilities | Assets            |                                                |               |                                        |                                                   | Capital assets (less deprecia- tion) |
|-----------|--------------------------------------|--------------------------|-----------------------------------|-------------------|------------------------------------------------|---------------|----------------------------------------|---------------------------------------------------|--------------------------------------|
|           |                                      |                          |                                   | Cash <sup>2</sup> | Notes and ac- counts receiv- able <sup>3</sup> | Inven- tories | Tax- exempt invest- ments <sup>4</sup> | Invest- ments other than tax- exempt <sup>5</sup> |                                      |
| 1926..... | 455,320                              | 359,449                  | 262,170                           | 16,802            | 23,552                                         | 20,939        | 8,694                                  | -----                                             | 97,523                               |
| 1927..... | 425,075                              | 379,156                  | 287,542                           | 16,851            | 50,959                                         | 21,005        | 9,781                                  | -----                                             | 104,945                              |
| 1928..... | 443,611                              | 384,548                  | 307,218                           | 21,952            | 62,804                                         | 20,751        | 10,118                                 | -----                                             | 109,931                              |
| 1929..... | 450,021                              | 398,815                  | 335,773                           | 22,371            | 66,810                                         | 21,911        | 10,338                                 | 55,844                                            | 118,446                              |
| 1930..... | 463,036                              | 403,173                  | 334,002                           | 21,012            | 59,675                                         | 18,771        | 10,228                                 | 83,809                                            | 120,934                              |
| 1931..... | 469,704                              | 381,038                  | 266,467                           | 15,880            | 48,697                                         | 15,140        | 10,667                                 | 75,305                                            | 114,303                              |
| 1932..... | 451,884                              | 392,021                  | 280,053                           | 15,917            | 39,564                                         | 12,372        | 11,917                                 | 75,630                                            | 108,553                              |
| 1933..... | 440,842                              | 388,594                  | 268,206                           | 15,236            | 35,835                                         | 13,597        | 13,571                                 | 70,474                                            | 104,953                              |

| Year      | Assets—Contd. | Liabilities                         |                            |                           |                             |                            |        |                                 |         |             |
|-----------|---------------|-------------------------------------|----------------------------|---------------------------|-----------------------------|----------------------------|--------|---------------------------------|---------|-------------|
|           |               | Miscella- neous assets <sup>6</sup> | Notes and accounts payable | Bonded debt and mortgages | Miscella- neous liabilities | Capital stock <sup>6</sup> |        | Surplus and un- divided profits | Deficit | Net surplus |
|           |               |                                     |                            |                           |                             | Preferred                  | Common |                                 |         |             |
| 1926..... | 94,660        | 24,042                              | 31,801                     | 87,076                    | 17,146                      | 67,517                     | 39,154 | 4,657                           | 34,597  |             |
| 1927..... | 84,001        | 24,120                              | 37,740                     | 93,274                    | 17,800                      | 74,081                     | 45,415 | 4,893                           | 40,521  |             |
| 1928..... | 81,603        | 27,437                              | 42,943                     | 93,990                    | 18,476                      | 77,266                     | 52,099 | 4,913                           | 47,150  |             |
| 1929..... | 42,057        | 29,453                              | 46,643                     | 99,314                    | 19,733                      | 85,520                     | 60,669 | 5,588                           | 55,111  |             |
| 1930..... | 19,511        | 26,870                              | 50,282                     | 95,598                    | 18,117                      | 87,007                     | 61,832 | 6,734                           | 54,098  |             |
| 1931..... | 16,534        | 23,261                              | 48,101                     | 81,782                    | 19,217                      | 79,794                     | 61,970 | 7,624                           | 44,852  |             |
| 1932..... | 16,120        | 20,562                              | 47,222                     | 78,730                    | 18,076                      | 78,413                     | 45,664 | 9,694                           | 36,080  |             |
| 1933..... | 14,535        | 19,362                              | 45,883                     | 75,384                    | 18,394                      | 74,088                     | 44,792 | 9,696                           | 35,090  |             |

<sup>1</sup> Excludes inactive corporations except for 1926. <sup>2</sup> Cash in till and deposits in banks.<sup>3</sup> Less reserve for bad debts. Beginning 1927, this item includes loans and discounts of banks included in miscellaneous assets in 1926.<sup>4</sup> See note 5, table 188.<sup>5</sup> Prior to 1930, stocks, bonds other than tax-exempt, loans, mortgages, etc., owned by life insurance companies and, prior to 1929, investments other than tax-exempt of all corporations were included with miscellaneous assets.<sup>6</sup> For balance sheets in which common and preferred stock are not reported separately, the combined amount is tabulated as "Common stock." For balance sheets with no par stock and not reporting capital stock value, the net worth is tabulated under "Surplus and undivided profits."

Source of tables 191 and 192: Statistics of Income, Report of the Commissioner of Internal Revenue.

**No. 193.—ASSETS AND LIABILITIES OF CORPORATIONS: As of DECEMBER 31, 1933, OR AT CLOSE OF FISCAL YEAR NEAREST THERETO**

[All money figures in millions of dollars]

|                                                                   | Total <sup>1</sup> | Agriculture | Mining and quarrying | Manufacturing      |        |                       |                  |          |         |        |                 |
|-------------------------------------------------------------------|--------------------|-------------|----------------------|--------------------|--------|-----------------------|------------------|----------|---------|--------|-----------------|
|                                                                   |                    |             |                      | Total <sup>2</sup> | Food   | Liquors and beverages | Tobacco products | Textiles | Leather | Rubber | Forest products |
| Number of corporations submitting balance sheets.....             | 388,564            | 7,205       | 9,950                | 82,836             | 11,111 | 2,318                 | 351              | 14,166   | 2,229   | 528    | 6,161           |
| Assets, total <sup>3</sup> .....                                  | 268,208            | 1,913       | 9,007                | 67,758             | 6,250  | 799                   | 1,034            | 4,598    | 809     | 1,183  | 2,549           |
| Cash <sup>4</sup> .....                                           | 15,236             | 58          | 255                  | 3,084              | 394    | 36                    | 104              | 261      | 61      | 58     | 68              |
| Notes and accounts receivable.....                                | 35,835             | 144         | 504                  | 6,765              | 742    | 83                    | 135              | 598      | 145     | 213    | 208             |
| Inventories.....                                                  | 13,587             | 147         | 411                  | 8,084              | 947    | 111                   | 347              | 1,086    | 255     | 161    | 357             |
| Investments—tax-exempt <sup>5</sup> .....                         | 13,571             | 27          | 142                  | 1,983              | 143    | 34                    | 120              | 202      | 22      | 42     | 38              |
| Investments other than tax-exempt.....                            | 70,474             | 184         | 1,071                | 9,499              | 898    | 77                    | 116              | 310      | 68      | 218    | 292             |
| Capital assets—lands, buildings, and equipment <sup>6</sup> ..... | 104,953            | 1,216       | 6,053                | 24,384             | 2,641  | 371                   | 90               | 1,912    | 200     | 395    | 1,340           |
| Miscellaneous assets <sup>7</sup> .....                           | 14,535             | 137         | 571                  | 3,964              | 490    | 87                    | 122              | 231      | 58      | 96     | 156             |
| Liabilities, total <sup>8</sup> .....                             | 268,208            | 1,913       | 9,007                | 67,758             | 6,250  | 799                   | 1,034            | 4,598    | 809     | 1,183  | 2,549           |
| Notes and accounts payable.....                                   | 19,361             | 311         | 730                  | 5,722              | 732    | 131                   | 27               | 620      | 110     | 144    | 351             |
| Bonded debt and mortgages.....                                    | 45,883             | 231         | 925                  | 5,021              | 684    | 50                    | 65               | 199      | 22      | 203    | 231             |
| Miscellaneous liabilities <sup>9</sup> .....                      | 75,384             | 195         | 843                  | 3,668              | 369    | 53                    | 44               | 300      | 50      | 90     | 169             |
| Capital stock.....                                                | 62,482             | 1,047       | 5,045                | 30,399             | 3,289  | 354                   | 582              | 2,554    | 468     | 643    | 1,335           |
| Preferred.....                                                    | 18,304             | 91          | 408                  | 6,691              | 908    | 45                    | 143              | 642      | 138     | 225    | 176             |
| Common.....                                                       | 74,088             | 956         | 4,547                | 23,708             | 2,331  | 309                   | 439              | 1,912    | 330     | 418    | 1,159           |
| Surplus.....                                                      | 44,799             | 333         | 2,517                | 15,533             | 1,873  | 245                   | 328              | 1,242    | 215     | 189    | 720             |
| Less deficit.....                                                 | 9,690              | 229         | 859                  | 2,390              | 202    | 34                    | 6                | 377      | 59      | 86     | 257             |
| Net surplus.....                                                  | 35,096             | 159         | 1,461                | 12,943             | 1,176  | 211                   | 316              | 925      | 159     | 103    | 463             |

  

|                                                                   | Manufacturing—Continued |          |           |             |        |              | Public utilities, including transportation | Trade   | Public service | Finance (banking, insurance, etc.) <sup>10</sup> |
|-------------------------------------------------------------------|-------------------------|----------|-----------|-------------|--------|--------------|--------------------------------------------|---------|----------------|--------------------------------------------------|
|                                                                   | Paper                   | Printing | Chemicals | Stone, etc. | Metals | Construction |                                            |         |                |                                                  |
| Number of corporations submitting balance sheets.....             | 2,042                   | 10,551   | 6,558     | 3,895       | 17,339 | 14,398       | 17,706                                     | 120,064 | 34,546         | 100,989                                          |
| Assets, total <sup>3</sup> .....                                  | 2,295                   | 2,849    | 13,196    | 1,866       | 18,558 | 1,833        | 69,049                                     | 15,654  | 7,429          | 105,475                                          |
| Cash <sup>4</sup> .....                                           | 35                      | 113      | 613       | 81          | 1,113  | 100          | 1,290                                      | 990     | 204            | 9,252                                            |
| Notes and accounts receivable.....                                | 197                     | 529      | 1,444     | 157         | 1,984  | 390          | 2,210                                      | 3,944   | 625            | 21,235                                           |
| Inventories.....                                                  | 225                     | 145      | 1,352     | 215         | 2,583  | 125          | 741                                        | 3,809   | 139            | 141                                              |
| Investments—tax-exempt <sup>5</sup> .....                         | 45                      | 90       | 297       | 61          | 831    | 111          | 186                                        | 328     | 51             | 10,731                                           |
| Investments other than tax-exempt.....                            | 489                     | 605      | 3,348     | 171         | 2,645  | 368          | 11,138                                     | 1,705   | 693            | 45,787                                           |
| Capital assets—lands, buildings, and equipment <sup>6</sup> ..... | 1,134                   | 793      | 5,526     | 1,073       | 8,355  | 555          | 50,140                                     | 3,810   | 5,071          | 13,712                                           |
| Miscellaneous assets <sup>7</sup> .....                           | 120                     | 574      | 616       | 108         | 1,047  | 184          | 3,344                                      | 1,068   | 846            | 4,617                                            |
| Liabilities, total <sup>8</sup> .....                             | 2,295                   | 2,849    | 13,196    | 1,866       | 18,558 | 1,833        | 69,049                                     | 15,654  | 7,429          | 105,475                                          |
| Notes and accounts payable.....                                   | 172                     | 528      | 1,386     | 130         | 1,206  | 376          | 2,798                                      | 3,625   | 954            | 4,825                                            |
| Bonded debt and mortgages.....                                    | 332                     | 288      | 1,020     | 167         | 1,614  | 235          | 26,956                                     | 1,126   | 2,724          | 8,652                                            |
| Miscellaneous liabilities <sup>9</sup> .....                      | 126                     | 173      | 794       | 117         | 1,186  | 225          | 5,100                                      | 1,016   | 810            | 63,550                                           |
| Capital stock.....                                                | 1,181                   | 1,173    | 6,976     | 1,113       | 9,767  | 735          | 28,192                                     | 7,732   | 2,762          | 18,482                                           |
| Preferred.....                                                    | 364                     | 243      | 800       | 255         | 2,551  | 114          | 5,860                                      | 1,513   | 581            | 3,034                                            |
| Common.....                                                       | 817                     | 930      | 6,176     | 858         | 7,216  | 621          | 20,332                                     | 6,219   | 2,181          | 15,448                                           |
| Surplus.....                                                      | 587                     | 825      | 3,332     | 449         | 5,397  | 425          | 9,233                                      | 3,313   | 923            | 12,815                                           |
| Less deficit.....                                                 | 43                      | 158      | 362       | 110         | 612    | 163          | 1,222                                      | 1,163   | 744            | 2,879                                            |
| Net surplus.....                                                  | 484                     | 687      | 3,020     | 339         | 4,785  | 262          | 8,000                                      | 2,156   | 179            | 9,986                                            |

<sup>1</sup> Includes corporations not reporting nature of business.

<sup>2</sup> Includes "Other manufacturing" not shown.

<sup>3</sup> In till and deposits in bank.

<sup>4</sup> See note 5, table 188.

<sup>5</sup> Less deficit.

<sup>6</sup> Less depreciation.

<sup>7</sup> Includes copyrights, formulas, goodwill, patents, trade marks, sinking funds, deferred charges, organization expenses, prepaid and suspense items, interest, discount, coupons and dividends receivable, guaranty deposits and deposits on contracts, meters, and leaseholds, and cash value of life insurance. Miscellaneous assets of life-insurance companies include market value of real estate and bonds in excess of book value, interest, rents, and premiums due, and agents' balances.

<sup>8</sup> Includes all reserves other than surplus and reserves for depletion, depreciation, and bad debts, deferred and suspense items, funds held in trust, borrowed securities, discount and dividends payable, outstanding coupons and certificates, and overdrafts. Miscellaneous liabilities of life-insurance companies include the net value of outstanding policies and securities and borrowed money. Miscellaneous liabilities of banks include deposits (time, saving, demand, etc.) and bank notes in circulation.

<sup>9</sup> For revisions in the 1932 figures published in the 1935 issue of the Statistical Abstract, see p. 196.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

**No. 194.—CORPORATION INCOME TAX RETURNS: NUMBER, ASSETS, RECEIPTS, NET PROFIT OR DEFICIT, AND NET INCOME OR DEFICIT OF CORPORATIONS SUBMITTING BALANCE SHEETS, BY TOTAL ASSETS CLASSES**

[All money figures (except assets classes) in millions and tenths of millions of dollars]

| Total assets classes (thousands of dollars) | Number of returns | Total assets or liabilities | Total compiled receipts <sup>1</sup> | Compiled net profit or deficit <sup>2</sup> | Statutory net income or deficit | Number of returns                   | Total assets or liabilities | Total compiled receipts <sup>1</sup> | Compiled net profit or deficit <sup>2</sup> | Statutory net income or deficit |
|---------------------------------------------|-------------------|-----------------------------|--------------------------------------|---------------------------------------------|---------------------------------|-------------------------------------|-----------------------------|--------------------------------------|---------------------------------------------|---------------------------------|
| All corporations, 1932                      |                   |                             |                                      |                                             |                                 | All corporations, 1933 <sup>3</sup> |                             |                                      |                                             |                                 |
| Total.....                                  | 392,021           | 280,062.9                   | 78,700.5                             | \$510.7                                     | \$5,262.1                       | 388,564                             | 285,206.5                   | 82,148.3                             | \$659.0                                     | \$2,188.1                       |
| Under 50.....                               | 206,477           | 3,869.8                     | 6,340.3                              | \$608.7                                     | \$612.3                         | 211,686                             | 3,875.5                     | 6,809.8                              | \$576.0                                     | \$382.6                         |
| 50 to 100.....                              | 58,320            | 4,153.2                     | 4,100.7                              | \$312.3                                     | \$317.8                         | 56,205                              | 4,006.6                     | 4,315.6                              | \$112.7                                     | \$134.8                         |
| 100 to 250.....                             | 59,500            | 9,414.3                     | 6,561.4                              | \$434.0                                     | \$502.0                         | 56,745                              | 8,991.8                     | 6,780.0                              | \$188.3                                     | \$206.3                         |
| 250 to 500.....                             | 28,422            | 9,988.1                     | 5,297.1                              | \$578.6                                     | \$406.6                         | 26,773                              | 9,420.7                     | 5,505.3                              | \$129.3                                     | \$156.6                         |
| 500 to 1,000.....                           | 17,590            | 12,288.8                    | 5,087.6                              | \$394.5                                     | \$442.8                         | 16,692                              | 11,577.0                    | 5,475.6                              | \$101.3                                     | \$145.3                         |
| 1,000 to 5,000.....                         | 10,703            | 34,432.1                    | 10,744.1                             | \$834.1                                     | \$1,035.6                       | 15,840                              | 32,722.9                    | 11,448.5                             | \$253.2                                     | \$456.5                         |
| 5,000 to 10,000.....                        | 2,442             | 16,857.0                    | 4,626.5                              | \$355.2                                     | \$452.8                         | 2,344                               | 16,223.8                    | 4,811.2                              | \$110.4                                     | \$214.6                         |
| 10,000 to 50,000.....                       | 1,947             | 39,839.0                    | 9,905.4                              | \$494.8                                     | \$781.6                         | 1,885                               | 38,591.8                    | 10,430.1                             | \$67.9                                      | \$57.3                          |
| 50,000 and over.....                        | 618               | 149,240.6                   | 27,037.4                             | \$331.5                                     | \$711.6                         | 594                                 | 142,796.4                   | 26,571.2                             | \$705.7                                     | \$151.1                         |
| 1933                                        |                   |                             |                                      |                                             |                                 |                                     |                             |                                      |                                             |                                 |
| Agriculture                                 |                   |                             |                                      |                                             |                                 | Mining and quarrying                |                             |                                      |                                             |                                 |
| Total.....                                  | 7,395             | 1,913.1                     | 379.7                                | \$33.6                                      | \$53.4                          | 9,850                               | 9,006.7                     | 1,936.8                              | \$143.6                                     | \$172.2                         |
| Under 50.....                               | 3,228             | 70.5                        | 34.9                                 | \$7.6                                       | \$7.6                           | 4,040                               | 83.6                        | 51.8                                 | \$22.5                                      | \$26.5                          |
| 50 to 100.....                              | 1,314             | 94.6                        | 29.0                                 | \$4.8                                       | \$4.9                           | 1,471                               | 104.3                       | 40.2                                 | \$5.2                                       | \$6.5                           |
| 100 to 250.....                             | 1,416             | 222.0                       | 54.4                                 | \$7.0                                       | \$7.2                           | 1,761                               | 279.6                       | 96.0                                 | \$7.9                                       | \$8.3                           |
| 250 to 500.....                             | 658               | 232.3                       | 40.8                                 | \$5.7                                       | \$6.9                           | 928                                 | 326.5                       | 93.8                                 | \$6.2                                       | \$7.0                           |
| 500 to 1,000.....                           | 357               | 249.9                       | 37.8                                 | \$4.9                                       | \$6.7                           | 706                                 | 501.0                       | 117.8                                | \$6.4                                       | \$7.4                           |
| 1,000 to 5,000.....                         | 294               |                             |                                      |                                             |                                 | 789                                 | 1,672.9                     | 310.9                                | \$10.9                                      | \$16.7                          |
| 5,000 to 10,000.....                        | \$21              |                             |                                      |                                             |                                 | 139                                 | 944.7                       | 152.9                                | \$3.6                                       | \$7.4                           |
| 10,000 to 50,000.....                       | \$6               | 1,043.9                     | 182.8                                | \$3.5                                       | \$6.7                           | \$95                                |                             |                                      |                                             |                                 |
| 50,000 and over.....                        | \$1               |                             |                                      |                                             |                                 | \$21                                | 5,094.1                     | 1,072.8                              | \$81.9                                      | \$94.4                          |
| Manufacturing                               |                   |                             |                                      |                                             |                                 | Construction                        |                             |                                      |                                             |                                 |
| Total.....                                  | 82,836            | 57,752.6                    | 34,942.8                             | \$501.6                                     | \$263.0                         | 14,398                              | 1,832.5                     | 1,035.3                              | \$50.8                                      | \$68.3                          |
| Under 50.....                               | 42,391            | 792.5                       | 1,453.3                              | \$84.2                                      | \$85.0                          | 10,047                              | 158.5                       | 213.4                                | \$22.3                                      | \$22.4                          |
| 50 to 100.....                              | 12,227            | 874.7                       | 1,179.1                              | \$30.0                                      | \$30.8                          | 1,786                               | 125.9                       | 115.0                                | \$9.1                                       | \$9.3                           |
| 100 to 250.....                             | 12,765            | 2,029.3                     | 2,228.3                              | \$35.6                                      | \$35.6                          | 1,495                               | 231.5                       | 175.3                                | \$11.9                                      | \$12.6                          |
| 250 to 500.....                             | 6,395             | 2,266.7                     | 2,089.9                              | \$4.2                                       | ( <sup>4</sup> )                | 555                                 | 191.4                       | 116.0                                | \$8.3                                       | \$9.0                           |
| 500 to 1,000.....                           | 3,995             | 2,795.9                     | 2,289.2                              | \$21.3                                      | \$14.9                          | 284                                 | 197.5                       | 114.8                                | \$3.8                                       | \$4.8                           |
| 1,000 to 5,000.....                         | 3,846             | 8,010.9                     | 5,407.5                              | \$3.2                                       | \$9.0                           | 200                                 | 396.5                       | 155.2                                | \$1.0                                       | \$6.6                           |
| 5,000 to 10,000.....                        | 588               | 4,070.8                     | 2,316.5                              | \$8.9                                       | \$5.0                           | 17                                  | 122.1                       | 32.6                                 | \$1.0                                       | \$2.8                           |
| 10,000 to 50,000.....                       | 510               | 10,476.5                    | 5,255.1                              | \$33.7                                      | \$0.1                           | \$13                                |                             |                                      |                                             |                                 |
| 50,000 and over.....                        | 119               | 26,435.2                    | 12,723.9                             | \$37.0                                      | \$205.4                         | \$51                                | 409.1                       | 113.0                                | \$5.5                                       | \$1.1                           |
| Transportation and other public utilities   |                   |                             |                                      |                                             |                                 | Trade                               |                             |                                      |                                             |                                 |
| Total.....                                  | 17,706            | 69,049.1                    | 10,110.1                             | \$249.4                                     | \$68.4                          | 120,084                             | 15,654.4                    | 23,663.5                             | \$6.3                                       | \$11.1                          |
| Under 50.....                               | 11,029            | 177.0                       | 249.5                                | \$12.4                                      | \$12.6                          | 82,407                              | 1,439.1                     | 3,912.9                              | \$102.5                                     | \$103.8                         |
| 50 to 100.....                              | 1,900             | 134.6                       | 112.7                                | \$1.8                                       | \$1.9                           | 16,894                              | 1,188.8                     | 2,334.2                              | \$25.9                                      | \$27.0                          |
| 100 to 250.....                             | 1,792             | 282.1                       | 164.9                                | ( <sup>4</sup> )                            | \$1.9                           | 12,723                              | 1,959.2                     | 3,309.8                              | \$44.2                                      | \$47.0                          |
| 250 to 500.....                             | 845               | 294.9                       | 115.3                                | \$13.3                                      | \$13.7                          | 4,564                               | 1,807.5                     | 2,353.9                              | \$2.0                                       | \$1.9                           |
| 500 to 1,000.....                           | 647               | 456.7                       | 120.5                                | \$1.8                                       | \$1.5                           | 2,036                               | 1,395.8                     | 1,960.8                              | \$11.5                                      | \$8.5                           |
| 1,000 to 5,000.....                         | 774               | 1,734.1                     | 338.9                                | \$11.6                                      | \$13.9                          | 1,373                               | 2,625.5                     | 3,556.1                              | \$25.0                                      | \$15.8                          |
| 5,000 to 10,000.....                        | 237               | 1,701.1                     | 266.8                                | \$2.4                                       | \$4.7                           | 149                                 | 1,034.5                     | 1,394.6                              | \$7.7                                       | \$3.8                           |
| 10,000 to 50,000.....                       | 275               | 6,368.1                     | 1,038.2                              | \$7.8                                       | \$31.7                          | 97                                  | 1,870.6                     | 2,137.3                              | \$33.4                                      | \$21.7                          |
| 50,000 and over.....                        | 207               | 57,900.5                    | 7,704.3                              | \$243.9                                     | \$40.7                          | 21                                  | 2,592.4                     | 2,793.9                              | \$109.3                                     | \$7.8                           |
| Public Service                              |                   |                             |                                      |                                             |                                 | Finance—Banking, insurance, etc.    |                             |                                      |                                             |                                 |
| Total.....                                  | 34,548            | 7,428.6                     | 2,662.3                              | \$254.8                                     | \$265.3                         | 100,989                             | 106,475.3                   | 7,421.8                              | \$336.7                                     | \$1,338.1                       |
| Under 50.....                               | 22,459            | 341.1                       | 588.5                                | \$38.6                                      | \$38.9                          | 35,471                              | 756.9                       | 303.8                                | \$31.3                                      | \$34.6                          |
| 50 to 100.....                              | 4,111             | 201.1                       | 256.3                                | \$16.2                                      | \$16.6                          | 16,418                              | 1,186.7                     | 269.5                                | \$19.0                                      | \$36.1                          |
| 100 to 250.....                             | 3,966             | 622.8                       | 314.4                                | \$21.5                                      | \$22.3                          | 20,722                              | 3,349.2                     | 444.5                                | \$22.5                                      | \$28.2                          |
| 250 to 500.....                             | 1,738             | 606.3                       | 228.1                                | \$14.9                                      | \$15.7                          | 11,257                              | 3,983.9                     | 466.2                                | \$31.9                                      | \$37.7                          |
| 500 to 1,000.....                           | 1,068             | 743.9                       | 195.5                                | \$10.1                                      | \$20.4                          | 7,475                               | 5,228.2                     | 629.9                                | \$39.0                                      | \$120.1                         |
| 1,000 to 5,000.....                         | 1,026             | 2,010.2                     | 400.9                                | \$55.4                                      | \$57.6                          | 7,519                               | 15,866.6                    | 1,196.9                              | \$281.6                                     | \$408.1                         |
| 5,000 to 10,000.....                        | 101               | 675.7                       | 144.4                                | \$18.9                                      | \$21.5                          | 1,091                               | 7,531.5                     | 579.2                                | \$163.4                                     | \$233.7                         |
| 10,000 to 50,000.....                       | \$72              |                             |                                      |                                             | \$18.9                          | 817                                 | 16,489.5                    | 1,274.8                              | \$227.2                                     | \$286.6                         |
| 50,000 and over.....                        | \$5               | 2,137.5                     | 554.2                                | \$66.2                                      | \$72.3                          | 219                                 | 51,282.8                    | 2,257.0                              | \$100.2                                     | \$317.1                         |

<sup>1</sup> See note 1, table 188.

<sup>2</sup> Total compiled receipts less statutory deductions.

<sup>3</sup> Includes data for corporations which did not report the nature of their business not shown separately.

<sup>4</sup> Deficit.

<sup>5</sup> Classes grouped to conceal data for individual taxpayer.

<sup>6</sup> Less than \$50,000 deficit

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

## No. 195.—CORPORATION INCOME TAX RETURNS: ANALYSIS

NOTE.—All money figures in thousands of dollars. Corporations

| Division and State or Territory | Total number of returns | Returns showing net income  |                                    |                   |                         |                         |  | Tax            |                |
|---------------------------------|-------------------------|-----------------------------|------------------------------------|-------------------|-------------------------|-------------------------|--|----------------|----------------|
|                                 |                         | Number reporting net income | Percent of total number of returns | Gross income      | Expenses and deductions | Net income <sup>1</sup> |  | Total          | Income         |
|                                 |                         |                             |                                    |                   |                         |                         |  |                |                |
| 1923.....                       | 398,933                 | 233,339                     | 58.49                              | 97,457,479        | 89,135,950              | 8,321,529               |  | 937,107        | 937,107        |
| 1924.....                       | 417,421                 | 236,389                     | 56.63                              | 97,158,997        | 89,672,344              | 7,686,652               |  | 881,550        | 881,550        |
| 1925.....                       | 430,072                 | 252,334                     | 58.67                              | 113,692,083       | 104,108,400             | 9,583,684               |  | 1,170,331      | 1,170,331      |
| 1926.....                       | 455,820                 | 258,134                     | 56.69                              | 118,022,117       | 108,348,714             | 9,673,403               |  | 1,229,797      | 1,229,797      |
| 1927.....                       | 475,031                 | 259,499                     | 54.70                              | 115,324,840       | 106,342,455             | 8,981,884               |  | 1,130,674      | 1,130,674      |
| 1928.....                       | 495,892                 | 268,783                     | 54.20                              | 127,369,625       | 116,751,784             | 10,617,741              |  | 1,184,142      | 1,184,142      |
| 1929.....                       | 509,430                 | 269,430                     | 52.89                              | 129,633,792       | 117,979,906             | 11,653,886              |  | 1,193,436      | 1,193,436      |
| 1930.....                       | 518,738                 | 221,420                     | 42.68                              | 89,561,495        | 83,132,682              | 6,428,813               |  | 711,704        | 711,704        |
| 1931.....                       | 516,044                 | 175,898                     | 34.06                              | 52,051,035        | 48,367,667              | 3,683,368               |  | 398,994        | 398,994        |
| 1932.....                       | 508,636                 | 82,646                      | 16.25                              | 31,707,983        | 20,554,850              | 2,153,133               |  | 285,676        | 285,676        |
| 1933.....                       | 504,080                 | 109,786                     | 21.78                              | 46,752,368        | 43,786,384              | 2,965,972               |  | 429,068        | 416,093        |
| <b>New England.....</b>         | <b>38,132</b>           | <b>9,438</b>                | <b>24.72</b>                       | <b>3,744,303</b>  | <b>3,475,783</b>        | <b>268,520</b>          |  | <b>37,917</b>  | <b>37,918</b>  |
| Maine.....                      | 3,771                   | 854                         | 22.65                              | 153,431           | 143,132                 | 10,299                  |  | 1,402          | 1,380          |
| New Hampshire.....              | 1,412                   | 400                         | 28.33                              | 75,778            | 70,773                  | 5,005                   |  | 702            | 689            |
| Vermont.....                    | 1,184                   | 291                         | 24.58                              | 44,715            | 42,442                  | 2,273                   |  | 314            | 308            |
| Massachusetts.....              | 10,972                  | 5,174                       | 25.90                              | 2,492,028         | 2,314,274               | 177,754                 |  | 25,230         | 24,779         |
| Rhode Island.....               | 3,272                   | 846                         | 25.85                              | 314,510           | 292,109                 | 22,401                  |  | 3,148          | 3,093          |
| Connecticut.....                | 8,521                   | 1,861                       | 21.84                              | 603,841           | 612,873                 | 50,968                  |  | 7,121          | 7,069          |
| <b>Middle Atlantic.....</b>     | <b>181,003</b>          | <b>28,628</b>               | <b>17.73</b>                       | <b>17,506,828</b> | <b>16,323,253</b>       | <b>1,183,573</b>        |  | <b>167,980</b> | <b>166,684</b> |
| New York.....                   | 110,436                 | 18,922                      | 17.13                              | 13,241,667        | 12,409,687              | 831,980                 |  | 118,321        | 118,744        |
| New Jersey.....                 | 32,902                  | 3,509                       | 15.06                              | 1,285,745         | 1,111,289               | 125,456                 |  | 17,549         | 17,395         |
| Pennsylvania.....               | 26,666                  | 6,107                       | 22.90                              | 3,028,214         | 2,802,277               | 225,937                 |  | 32,120         | 31,655         |
| <b>East North Central.....</b>  | <b>99,512</b>           | <b>22,478</b>               | <b>22.69</b>                       | <b>11,578,840</b> | <b>10,931,771</b>       | <b>646,989</b>          |  | <b>91,968</b>  | <b>90,438</b>  |
| Ohio.....                       | 24,823                  | 5,859                       | 23.60                              | 2,569,005         | 2,383,194               | 175,811                 |  | 24,751         | 24,323         |
| Indiana.....                    | 11,773                  | 2,707                       | 23.76                              | 571,914           | 535,110                 | 36,804                  |  | 5,265          | 5,082          |
| Illinois.....                   | 32,266                  | 7,269                       | 22.50                              | 5,337,930         | 5,117,851               | 220,079                 |  | 31,301         | 30,722         |
| Michigan.....                   | 14,798                  | 3,141                       | 21.23                              | 2,391,165         | 2,214,538               | 176,627                 |  | 25,294         | 25,110         |
| Wisconsin.....                  | 15,852                  | 8,422                       | 21.69                              | 718,626           | 681,078                 | 37,548                  |  | 5,357          | 5,201          |
| <b>West North Central.....</b>  | <b>50,517</b>           | <b>11,887</b>               | <b>23.53</b>                       | <b>3,398,331</b>  | <b>3,212,886</b>        | <b>185,445</b>          |  | <b>25,840</b>  | <b>25,486</b>  |
| Minnesota.....                  | 10,792                  | 2,373                       | 21.99                              | 995,647           | 950,867                 | 44,779                  |  | 6,362          | 6,284          |
| Iowa.....                       | 9,011                   | 1,987                       | 22.05                              | 416,557           | 397,014                 | 19,543                  |  | 2,634          | 2,584          |
| Missouri.....                   | 15,594                  | 4,014                       | 25.74                              | 1,478,323         | 1,378,287               | 100,036                 |  | 13,982         | 13,796         |
| North Dakota.....               | 2,938                   | 649                         | 22.09                              | 47,845            | 46,670                  | 1,174                   |  | 178            | 174            |
| South Dakota.....               | 2,876                   | 509                         | 17.70                              | 39,871            | 35,867                  | 4,004                   |  | 142            | 137            |
| Nebraska.....                   | 4,473                   | 1,180                       | 26.35                              | 210,265           | 206,462                 | 3,803                   |  | 1,378          | 1,360          |
| Kansas.....                     | 4,833                   | 1,175                       | 24.31                              | 205,823           | 197,020                 | 8,803                   |  | 1,164          | 1,131          |
| <b>South Atlantic.....</b>      | <b>46,132</b>           | <b>12,491</b>               | <b>27.07</b>                       | <b>4,242,843</b>  | <b>3,947,784</b>        | <b>294,879</b>          |  | <b>41,427</b>  | <b>40,708</b>  |
| Delaware.....                   | 2,106                   | 472                         | 22.41                              | 530,692           | 468,401                 | 62,291                  |  | 8,811          | 8,688          |
| Maryland.....                   | 6,813                   | 1,653                       | 26.19                              | 1,260,465         | 1,205,018               | 55,447                  |  | 7,738          | 7,659          |
| Dist. of Col.....               | 2,446                   | 653                         | 26.71                              | 216,810           | 202,886                 | 13,924                  |  | 1,963          | 1,948          |
| Virginia.....                   | 6,515                   | 1,930                       | 28.32                              | 502,610           | 458,729                 | 43,882                  |  | 6,174          | 6,060          |
| West Virginia.....              | 4,554                   | 1,260                       | 28.33                              | 225,741           | 205,821                 | 17,919                  |  | 2,497          | 2,466          |
| North Carolina.....             | 5,835                   | 2,049                       | 35.12                              | 690,554           | 636,096                 | 54,458                  |  | 7,636          | 7,482          |
| South Carolina.....             | 3,245                   | 1,078                       | 33.22                              | 224,945           | 209,221                 | 15,727                  |  | 2,199          | 2,130          |
| Georgia.....                    | 5,656                   | 1,825                       | 32.25                              | 406,867           | 384,038                 | 22,829                  |  | 3,199          | 3,115          |
| Florida.....                    | 9,263                   | 1,541                       | 16.64                              | 186,016           | 177,545                 | 8,471                   |  | 1,210          | 1,161          |
| <b>East South Central.....</b>  | <b>16,482</b>           | <b>4,509</b>                | <b>27.35</b>                       | <b>1,010,263</b>  | <b>950,860</b>          | <b>59,403</b>           |  | <b>8,484</b>   | <b>8,183</b>   |
| Kentucky.....                   | 6,103                   | 1,439                       | 23.20                              | 349,713           | 325,780                 | 23,933                  |  | 3,426          | 3,316          |
| Tennessee.....                  | 5,215                   | 1,510                       | 28.95                              | 414,280           | 389,807                 | 24,473                  |  | 3,467          | 3,371          |
| Alabama.....                    | 8,527                   | 916                         | 23.94                              | 176,190           | 167,049                 | 9,140                   |  | 1,189          | 1,106          |
| Mississippi.....                | 2,537                   | 644                         | 27.56                              | 71,080            | 68,224                  | 2,856                   |  | 402            | 391            |
| <b>West South Central.....</b>  | <b>30,073</b>           | <b>7,838</b>                | <b>26.08</b>                       | <b>1,794,415</b>  | <b>1,674,661</b>        | <b>109,788</b>          |  | <b>15,794</b>  | <b>15,193</b>  |
| Arkansas.....                   | 2,325                   | 740                         | 31.53                              | 87,868            | 83,888                  | 3,980                   |  | 3,678          | 3,645          |
| Louisiana.....                  | 6,605                   | 1,502                       | 22.74                              | 384,501           | 363,871                 | 21,130                  |  | 3,046          | 2,953          |
| Oklahoma.....                   | 5,975                   | 1,398                       | 23.36                              | 254,399           | 227,840                 | 27,559                  |  | 3,941          | 3,718          |
| Texas.....                      | 15,168                  | 4,198                       | 27.68                              | 1,657,647         | 1,600,032               | 57,615                  |  | 8,355          | 7,969          |
| <b>Mountain.....</b>            | <b>19,872</b>           | <b>3,691</b>                | <b>18.57</b>                       | <b>804,226</b>    | <b>759,388</b>          | <b>44,838</b>           |  | <b>6,328</b>   | <b>6,196</b>   |
| Montana.....                    | 2,393                   | 630                         | 26.48                              | 50,459            | 48,423                  | 2,036                   |  | 286            | 279            |
| Idaho.....                      | 2,265                   | 470                         | 20.48                              | 42,827            | 40,811                  | 2,016                   |  | 289            | 280            |
| Wyoming.....                    | 1,222                   | 261                         | 22.01                              | 14,800            | 14,211                  | 589                     |  | 81             | 79             |
| Colorado.....                   | 6,705                   | 1,098                       | 16.33                              | 296,951           | 271,125                 | 25,826                  |  | 3,632          | 3,557          |
| New Mexico.....                 | 1,132                   | 241                         | 21.29                              | 24,325            | 23,208                  | 1,117                   |  | 180            | 154            |
| Arizona.....                    | 1,674                   | 240                         | 14.34                              | 28,778            | 28,639                  | 1,139                   |  | 155            | 153            |
| Utah.....                       | 2,923                   | 105                         | 21.04                              | 98,744            | 93,357                  | 5,387                   |  | 767            | 741            |
| Nevada.....                     | 888                     | 106                         | 11.94                              | 246,211           | 239,484                 | 6,727                   |  | 906            | 953            |
| <b>Pacific.....</b>             | <b>41,419</b>           | <b>8,490</b>                | <b>20.40</b>                       | <b>2,623,805</b>  | <b>2,545,683</b>        | <b>174,824</b>          |  | <b>24,676</b>  | <b>24,169</b>  |
| Washington.....                 | 11,472                  | 2,128                       | 18.55                              | 293,411           | 280,606                 | 12,805                  |  | 1,823          | 1,768          |
| Oregon.....                     | 6,247                   | 1,058                       | 16.94                              | 177,765           | 172,817                 | 5,448                   |  | 774            | 757            |
| California.....                 | 23,700                  | 5,264                       | 22.21                              | 2,052,631         | 1,992,060               | 156,571                 |  | 21,979         | 21,644         |
| <b>Alaska.....</b>              | <b>170</b>              | <b>61</b>                   | <b>35.88</b>                       | <b>4,214</b>      | <b>3,875</b>            | <b>338</b>              |  | <b>51</b>      | <b>47</b>      |
| <b>Hawaii.....</b>              | <b>768</b>              | <b>329</b>                  | <b>42.84</b>                       | <b>156,898</b>    | <b>137,380</b>          | <b>19,518</b>           |  | <b>2,695</b>   | <b>2,681</b>   |

<sup>1</sup> No income data reported; inactive corporations included with corporations showing no net income prior to 1927.<sup>2</sup> For amount of net loss for prior year allowed as a deduction from net income in computing taxable net income for 1923 to 1932, see table 188, p. 187; for 1933, no such deduction was allowed.

FOR UNITED STATES, 1923 TO 1933, AND BY STATES, 1933  
reporting no net income include inactive corporations prior to 1927

| Returns showing net income—Continued |                                   | Returns showing no net income  |                                    |              |                         |           | Inactive corporations <sup>1</sup> |                                    | Division and State or Territory |
|--------------------------------------|-----------------------------------|--------------------------------|------------------------------------|--------------|-------------------------|-----------|------------------------------------|------------------------------------|---------------------------------|
| Tax-Contd.                           | Percent distribution of total tax | Number reporting no net income | Percent of total number of returns | Gross income | Expenses and deductions | Deficit   | Number of returns                  | Percent of total number of returns |                                 |
| Excess profits                       |                                   |                                |                                    |              |                         |           |                                    |                                    |                                 |
|                                      |                                   | 185,594                        | 41.51                              | 21,106,184   | 23,119,739              | 2,013,555 |                                    |                                    | 1923.                           |
|                                      |                                   | 181,032                        | 43.37                              | 22,070,497   | 24,294,423              | 2,223,926 |                                    |                                    | 1924.                           |
|                                      |                                   | 177,738                        | 41.33                              | 20,568,068   | 22,530,606              | 1,962,628 |                                    |                                    | 1925.                           |
|                                      |                                   | 197,186                        | 43.31                              | 24,107,786   | 26,276,445              | 2,168,710 |                                    |                                    | 1926.                           |
|                                      |                                   | 165,826                        | 34.91                              | 29,074,012   | 31,545,751              | 2,471,739 | 49,356                             | 10.39                              | 1927.                           |
|                                      |                                   | 174,828                        | 35.26                              | 25,411,989   | 27,803,114              | 2,391,124 | 52,281                             | 10.64                              | 1928.                           |
|                                      |                                   | 186,591                        | 36.63                              | 30,987,717   | 33,901,846              | 2,914,128 | 53,415                             | 10.49                              | 1929.                           |
|                                      |                                   | 241,616                        | 46.58                              | 46,500,564   | 51,378,169              | 4,877,595 | 55,700                             | 10.74                              | 1930.                           |
|                                      |                                   | 283,806                        | 54.96                              | 55,464,204   | 62,435,117              | 6,970,913 | 56,700                             | 10.98                              | 1931.                           |
|                                      |                                   | 309,228                        | 72.59                              | 49,375,853   | 67,172,458              | 7,796,689 | 56,762                             | 11.16                              | 1932.                           |
|                                      |                                   | 337,056                        | 66.87                              | 36,880,065   | 42,423,394              | 5,533,339 | 67,238                             | 11.35                              | 1933.                           |
| 6,978                                | 100.00                            |                                |                                    |              |                         |           |                                    |                                    |                                 |
| 598                                  | 8.98                              | 28,187                         | 68.87                              | 2,893,556    | 3,279,649               | 386,098   | 2,519                              | 8.61                               | N. E.                           |
| 2                                    | .33                               | 2,454                          | 55.07                              | 189,082      | 227,148                 | 38,067    | 403                                | 12.28                              | Maine.                          |
| 13                                   | .17                               | 943                            | 66.78                              | 67,563       | 75,141                  | 7,488     | 69                                 | 4.89                               | N. H.                           |
| 6                                    | .07                               | 826                            | 69.76                              | 48,924       | 54,822                  | 5,898     | 67                                 | 6.66                               | Vt.                             |
| 451                                  | 5.99                              | 13,720                         | 68.70                              | 1,616,687    | 1,843,478               | 226,791   | 1,078                              | 5.40                               | Mass.                           |
| 56                                   | .75                               | 2,143                          | 65.50                              | 217,066      | 264,145                 | 37,079    | 283                                | 8.55                               | R. I.                           |
| 52                                   | 1.68                              | 6,101                          | 71.60                              | 754,143      | 824,915                 | 70,773    | 559                                | 6.56                               | Conn.                           |
| 2,299                                | 39.71                             | 117,245                        | 72.82                              | 16,502,497   | 17,899,164              | 1,396,668 | 15,130                             | 9.40                               | Mid. Atl.                       |
| 1,578                                | 27.97                             | 81,811                         | 74.08                              | 10,091,022   | 12,363,425              | 1,672,403 | 9,703                              | 8.79                               | N. Y.                           |
| 164                                  | 4.15                              | 17,072                         | 76.19                              | 1,551,898    | 1,867,142               | 315,246   | 2,331                              | 9.75                               | N. J.                           |
| 597                                  | 7.69                              | 17,462                         | 65.49                              | 3,259,577    | 3,668,596               | 409,019   | 3,096                              | 11.61                              | Pa.                             |
| 1,528                                | 21.74                             | 66,535                         | 66.86                              | 8,418,118    | 9,843,581               | 1,325,464 | 10,489                             | 10.55                              | E. N. C.                        |
| 428                                  | 5.85                              | 17,287                         | 69.84                              | 2,200,416    | 2,548,995               | 348,579   | 1,677                              | 6.76                               | Ohio.                           |
| 182                                  | 1.24                              | 7,423                          | 63.05                              | 480,611      | 551,772                 | 71,161    | 1,553                              | 13.19                              | Ind.                            |
| 579                                  | 7.40                              | 21,731                         | 67.35                              | 3,899,593    | 4,447,674               | 548,081   | 3,276                              | 10.15                              | Ill.                            |
| 184                                  | 6.98                              | 9,947                          | 67.22                              | 1,306,356    | 1,475,666               | 169,299   | 1,710                              | 11.55                              | Mich.                           |
| 155                                  | 1.27                              | 10,147                         | 64.01                              | 531,140      | 619,465                 | 88,324    | 2,283                              | 14.40                              | Wis.                            |
| 372                                  | 6.10                              | 30,978                         | 61.32                              | 2,423,988    | 2,768,374               | 344,387   | 7,662                              | 15.16                              | W. N. C.                        |
| 77                                   | 1.50                              | 6,855                          | 63.62                              | 651,229      | 754,263                 | 103,034   | 1,564                              | 14.49                              | Minn.                           |
| 50                                   | .62                               | 5,060                          | 56.15                              | 253,415      | 291,129                 | 37,714    | 1,964                              | 21.80                              | Iowa.                           |
| 186                                  | 3.30                              | 9,769                          | 62.65                              | 976,015      | 1,127,492               | 151,477   | 1,811                              | 11.61                              | Mo.                             |
| 4                                    | .04                               | 1,585                          | 53.95                              | 38,306       | 42,726                  | 4,419     | 704                                | 23.96                              | N. Dak.                         |
| 14                                   | .03                               | 1,734                          | 60.29                              | 42,327       | 46,343                  | 4,016     | 633                                | 22.01                              | S. Dak.                         |
| 3                                    | .33                               | 2,844                          | 83.58                              | 168,021      | 189,805                 | 21,783    | 449                                | 10.04                              | Neb.                            |
| 33                                   | .28                               | 3,131                          | 64.78                              | 294,673      | 316,617                 | 21,944    | 527                                | 10.91                              | Kans.                           |
| 718                                  | 9.79                              | 28,106                         | 80.93                              | 2,636,589    | 3,038,463               | 401,878   | 5,536                              | 12.00                              | S. Atl.                         |
| 123                                  | 2.08                              | 1,366                          | 64.89                              | 658,344      | 737,769                 | 79,425    | 278                                | 13.20                              | Del.                            |
| 80                                   | 1.83                              | 3,836                          | 80.78                              | 577,569      | 680,393                 | 102,824   | 824                                | 13.05                              | D. C.                           |
| 14                                   | .46                               | 1,564                          | 63.56                              | 211,133      | 241,059                 | 29,876    | 238                                | 9.73                               | Va.                             |
| 411                                  | 1.46                              | 4,211                          | 61.79                              | 266,697      | 329,037                 | 62,341    | 674                                | 9.89                               | N. Va.                          |
| 92                                   | .59                               | 2,831                          | 62.17                              | 205,260      | 231,865                 | 26,105    | 433                                | 6.50                               | W. Va.                          |
| 154                                  | 1.80                              | 3,206                          | 54.94                              | 215,408      | 237,772                 | 22,367    | 580                                | 9.94                               | N. C.                           |
| 70                                   | .52                               | 1,871                          | 57.66                              | 61,936       | 106,000                 | 14,064    | 296                                | 9.12                               | S. C.                           |
| 84                                   | .76                               | 5,349                          | 80.28                              | 202,500      | 222,829                 | 20,330    | 382                                | 6.87                               | Ga.                             |
| 48                                   | .29                               | 5,892                          | 63.60                              | 207,694      | 252,239                 | 44,546    | 1,830                              | 19.76                              | Fla.                            |
| 302                                  | 2.01                              | 10,197                         | 61.87                              | 706,678      | 796,230                 | 91,553    | 1,776                              | 10.78                              | E. S. C.                        |
| 110                                  | .81                               | 3,141                          | 61.55                              | 245,309      | 275,073                 | 29,766    | 523                                | 10.25                              | Ky.                             |
| 96                                   | .82                               | 3,179                          | 60.96                              | 223,299      | 252,852                 | 29,553    | 526                                | 10.09                              | Tenn.                           |
| 84                                   | .28                               | 2,416                          | 63.13                              | 180,538      | 182,041                 | 21,503    | 495                                | 12.93                              | Ala.                            |
| 12                                   | .10                               | 1,451                          | 62.52                              | 77,530       | 88,261                  | 10,731    | 232                                | 6.82                               | Miss.                           |
| 602                                  | 3.74                              | 18,963                         | 63.06                              | 1,361,528    | 1,618,183               | 226,655   | 3,274                              | 10.88                              | W. S. C.                        |
| 28                                   | .14                               | 1,490                          | 62.80                              | 82,670       | 91,619                  | 8,949     | 126                                | 5.37                               | Ark.                            |
| 83                                   | .72                               | 4,315                          | 63.33                              | 237,503      | 286,014                 | 48,511    | 788                                | 11.93                              | Okla.                           |
| 125                                  | .91                               | 3,892                          | 65.14                              | 492,528      | 554,997                 | 62,469    | 687                                | 11.60                              | La.                             |
| 366                                  | 1.97                              | 9,296                          | 60.29                              | 678,827      | 685,553                 | 106,728   | 1,674                              | 11.03                              | Tex.                            |
| 129                                  | 1.50                              | 11,928                         | 60.02                              | 647,039      | 644,435                 | 97,396    | 4,255                              | 21.41                              | Mont.                           |
| 7                                    | .07                               | 1,938                          | 66.08                              | 59,939       | 67,234                  | 7,295     | 365                                | 12.44                              | Idaho.                          |
| 9                                    | .07                               | 1,078                          | 46.97                              | 47,434       | 53,852                  | 6,418     | 747                                | 32.55                              | Wyo.                            |
| 1                                    | .02                               | 879                            | 66.49                              | 25,870       | 30,585                  | 4,715     | 136                                | 11.50                              | W. Va.                          |
| 75                                   | .80                               | 4,251                          | 65.40                              | 233,981      | 267,452                 | 33,471    | 1,356                              | 20.72                              | Colo.                           |
| 6                                    | .04                               | 650                            | 67.95                              | 20,541       | 23,970                  | 3,429     | 500                                | 29.57                              | N. Mex.                         |
| 2                                    | .04                               | 834                            | 55.79                              | 42,685       | 64,388                  | 11,701    | 300                                | 29.57                              | Ariz.                           |
| 16                                   | .18                               | 1,688                          | 67.75                              | 90,107       | 104,132                 | 14,025    | 320                                | 21.21                              | Utah.                           |
| 13                                   | .22                               | 502                            | 56.33                              | 26,832       | 42,824                  | 15,992    | 280                                | 31.53                              | Nev.                            |
| 407                                  | 5.61                              | 26,419                         | 69.79                              | 2,316,493    | 2,673,665               | 357,012   | 6,560                              | 15.81                              | Pacific.                        |
| 65                                   | .43                               | 7,206                          | 62.61                              | 401,664      | 452,671                 | 50,907    | 2,138                              | 18.64                              | Wash.                           |
| 17                                   | .18                               | 3,861                          | 61.81                              | 206,485      | 242,580                 | 37,095    | 1,323                              | 21.25                              | Oreg.                           |
| 335                                  | 5.20                              | 16,352                         | 64.78                              | 1,709,344    | 1,978,364               | 269,010   | 3,084                              | 13.01                              | Calif.                          |
| 7                                    | .01                               | 87                             | 51.18                              | 2,763        | 3,137                   | 374       | 22                                 | 12.94                              | Alaska.                         |
| 14                                   | .63                               | 413                            | 53.78                              | 50,813       | 56,691                  | 5,878     | 26                                 | 3.38                               | Hawaii.                         |

<sup>1</sup> For revisions in the 1932 figures published in the 1935 issue of the Statistical Abstract, see p. 196.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.



# No. 196.—CORPORATION INCOME TAX RETURNS: BY STATES AND TERRITORIES, 1930 TO 1933

[All figures in thousands of dollars]

| Division and State or Territory | Net income (corporations reporting net income) |           |           |           | Income tax |         |         |                   |
|---------------------------------|------------------------------------------------|-----------|-----------|-----------|------------|---------|---------|-------------------|
|                                 | 1930                                           | 1931      | 1932      | 1933      | 1930       | 1931    | 1932    | 1933 <sup>1</sup> |
| <b>Total</b> .....              | 6,423,813                                      | 3,683,368 | 2,153,113 | 2,985,972 | 711,704    | 398,994 | 285,576 | 423,068           |
| <b>New England</b> .....        | 398,787                                        | 267,431   | 163,574   | 268,530   | 48,392     | 29,081  | 21,635  | 37,917            |
| Maine.....                      | 24,232                                         | 13,355    | 7,924     | 10,119    | 2,497      | 1,304   | 1,084   | 1,402             |
| New Hampshire.....              | 7,455                                          | 4,166     | 2,151     | 5,005     | 720        | 362     | 277     | 702               |
| Vermont.....                    | 5,287                                          | 1,933     | 1,210     | 2,273     | 491        | 155     | 158     | 314               |
| Massachusetts.....              | 249,537                                        | 170,983   | 106,655   | 177,754   | 27,837     | 18,985  | 14,217  | 25,230            |
| Rhode Island.....               | 26,345                                         | 18,184    | 9,280     | 22,401    | 2,677      | 1,887   | 1,147   | 3,148             |
| Connecticut.....                | 84,911                                         | 58,810    | 35,344    | 50,068    | 9,170      | 6,398   | 4,752   | 7,121             |
| <b>Middle Atlantic</b> .....    | 2,881,947                                      | 1,622,987 | 970,772   | 1,183,373 | 328,465    | 179,688 | 130,769 | 167,890           |
| New York.....                   | 2,091,540                                      | 1,216,637 | 700,153   | 831,980   | 238,010    | 135,402 | 94,739  | 118,321           |
| New Jersey.....                 | 224,871                                        | 157,129   | 106,506   | 125,466   | 24,075     | 16,813  | 14,037  | 17,649            |
| Pennsylvania.....               | 565,536                                        | 249,231   | 164,050   | 225,937   | 64,380     | 27,371  | 21,983  | 32,120            |
| <b>East North Central</b> ..... | 1,451,953                                      | 773,689   | 343,724   | 646,869   | 161,205    | 83,854  | 48,767  | 91,968            |
| Ohio.....                       | 301,339                                        | 170,378   | 114,431   | 175,811   | 33,041     | 18,223  | 15,124  | 24,751            |
| Indiana.....                    | 71,467                                         | 50,362    | 23,414    | 36,804    | 7,250      | 4,888   | 3,108   | 5,265             |
| Illinois.....                   | 586,664                                        | 263,614   | 131,959   | 220,079   | 66,135     | 28,520  | 16,713  | 31,301            |
| Michigan.....                   | 389,343                                        | 230,140   | 54,022    | 176,827   | 43,858     | 27,123  | 7,219   | 25,294            |
| Wisconsin.....                  | 103,140                                        | 50,205    | 19,848    | 37,548    | 10,921     | 5,100   | 2,603   | 5,357             |
| <b>West North Central</b> ..... | 400,375                                        | 333,114   | 142,850   | 183,645   | 42,268     | 23,968  | 19,176  | 25,840            |
| Minnesota.....                  | 87,556                                         | 57,311    | 31,115    | 44,779    | 9,225      | 5,901   | 4,166   | 6,362             |
| Iowa.....                       | 46,439                                         | 25,509    | 11,230    | 18,543    | 4,574      | 2,361   | 1,603   | 2,634             |
| Missouri.....                   | 162,446                                        | 101,815   | 78,524    | 100,036   | 17,748     | 10,872  | 10,554  | 13,982            |
| North Dakota.....               | 2,721                                          | 1,651     | 827       | 1,267     | 133        | 64      | 102     | 178               |
| South Dakota.....               | 4,846                                          | 2,241     | 999       | 1,004     | 294        | 118     | 84      | 142               |
| Nebraska.....                   | 21,066                                         | 12,648    | 7,138     | 9,813     | 2,043      | 1,087   | 948     | 1,378             |
| Kansas.....                     | 74,321                                         | 32,430    | 13,303    | 8,203     | 8,241      | 3,435   | 1,819   | 1,104             |
| <b>South Atlantic</b> .....     | 534,441                                        | 377,084   | 239,763   | 284,879   | 69,012     | 41,602  | 32,496  | 41,427            |
| Delaware.....                   | 125,273                                        | 76,198    | 40,697    | 62,291    | 14,548     | 8,939   | 5,673   | 8,811             |
| Maryland.....                   | 116,375                                        | 76,622    | 56,117    | 55,447    | 13,226     | 8,736   | 7,712   | 7,738             |
| Dist. of Columbia.....          | 30,331                                         | 22,376    | 14,940    | 13,914    | 3,288      | 2,419   | 2,064   | 1,963             |
| Virginia.....                   | 110,076                                        | 76,746    | 38,692    | 43,882    | 12,519     | 8,662   | 4,972   | 6,174             |
| West Virginia.....              | 27,487                                         | 16,445    | 7,915     | 17,919    | 2,647      | 1,583   | 1,039   | 2,497             |
| North Carolina.....             | 73,172                                         | 71,193    | 62,687    | 54,469    | 8,334      | 8,148   | 8,665   | 7,636             |
| South Carolina.....             | 6,281                                          | 6,084     | 3,448     | 16,727    | 525        | 539     | 433     | 2,199             |
| Georgia.....                    | 23,925                                         | 18,624    | 10,767    | 22,769    | 2,262      | 1,664   | 1,354   | 3,199             |
| Florida.....                    | 20,922                                         | 12,806    | 6,481     | 8,471     | 1,873      | 909     | 784     | 1,210             |
| <b>East South Central</b> ..... | 89,064                                         | 51,468    | 30,733    | 59,402    | 8,906      | 4,796   | 3,953   | 8,484             |
| Kentucky.....                   | 38,453                                         | 18,965    | 14,468    | 23,633    | 3,982      | 1,843   | 1,873   | 3,426             |
| Tennessee.....                  | 33,117                                         | 22,090    | 12,997    | 24,473    | 3,364      | 2,274   | 1,700   | 3,467             |
| Alabama.....                    | 12,394                                         | 6,049     | 2,200     | 8,140     | 1,048      | 412     | 247     | 1,189             |
| Mississippi.....                | 6,000                                          | 3,486     | 1,128     | 2,856     | 512        | 267     | 133     | 402               |
| <b>West South Central</b> ..... | 208,323                                        | 94,072    | 77,905    | 109,786   | 21,145     | 8,935   | 9,320   | 15,794            |
| Arkansas.....                   | 6,755                                          | 3,946     | 1,900     | 3,981     | 571        | 303     | 231     | 573               |
| Louisiana.....                  | 33,217                                         | 23,234    | 14,929    | 21,130    | 3,096      | 2,150   | 1,765   | 3,045             |
| Oklahoma.....                   | 71,297                                         | 20,611    | 20,218    | 27,059    | 7,739      | 2,171   | 2,611   | 3,841             |
| Texas.....                      | 97,054                                         | 45,981    | 40,858    | 57,696    | 9,739      | 4,311   | 4,713   | 8,335             |
| <b>Mountain</b> .....           | 68,617                                         | 41,913    | 26,432    | 44,838    | 6,325      | 3,796   | 3,387   | 6,326             |
| Montana.....                    | 5,582                                          | 3,286     | 1,048     | 2,036     | 379        | 251     | 121     | 286               |
| Idaho.....                      | 4,943                                          | 2,819     | 1,258     | 2,046     | 403        | 226     | 177     | 289               |
| Wyoming.....                    | 3,066                                          | 1,701     | 628       | 690       | 203        | 91      | 59      | 81                |
| Colorado.....                   | 30,943                                         | 18,442    | 14,283    | 25,825    | 3,090      | 1,788   | 1,775   | 3,632             |
| New Mexico.....                 | 2,456                                          | 1,247     | 412       | 1,117     | 179        | 68      | 47      | 160               |
| Arizona.....                    | 4,766                                          | 2,522     | 868       | 1,110     | 421        | 104     | 106     | 155               |
| Utah.....                       | 11,323                                         | 5,056     | 1,573     | 5,387     | 1,055      | 426     | 206     | 767               |
| Nevada.....                     | 5,548                                          | 6,840     | 6,462     | 6,727     | 606        | 754     | 896     | 966               |
| <b>Pacific</b> .....            | 373,086                                        | 216,693   | 150,377   | 174,824   | 40,317     | 22,879  | 20,028  | 24,576            |
| Washington.....                 | 31,492                                         | 17,608    | 7,744     | 12,805    | 2,686      | 1,397   | 954     | 1,823             |
| Oregon.....                     | 17,010                                         | 8,936     | 3,056     | 5,448     | 1,517      | 768     | 371     | 774               |
| California.....                 | 324,584                                        | 190,149   | 139,673   | 156,571   | 36,114     | 20,714  | 18,703  | 21,979            |
| <b>Alaska</b> .....             | 503                                            | 333       | 260       | 337       | 35         | 18      | 24      | 52                |
| <b>Hawaii</b> .....             | 22,836                                         | 4,552     | 7,873     | 19,519    | 2,643      | 477     | 1,031   | 2,664             |

<sup>1</sup> Includes excess-profits tax.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

# No. 197.—CORPORATION INCOME TAX RETURNS: NUMBER, INCOME, AND TAX, BY INDUSTRIAL GROUPS AND INDUSTRIES, 1933

NOTE.—For totals for all corporations see table 195. Group totals include industries not shown separately. Gross income corresponds to total income as reported on face of the return plus cost of goods sold. Tax includes income and excess-profits tax

[All money figures in thousands of dollars]

| Industry                                                                                  | Returns showing net income |              |            |         | Returns showing no net income |              |           |
|-------------------------------------------------------------------------------------------|----------------------------|--------------|------------|---------|-------------------------------|--------------|-----------|
|                                                                                           | Number                     | Gross income | Net income | Tax     | Number                        | Gross income | Deficit   |
| Agriculture and related industries.....                                                   | 1,443                      | 178,040      | 14,894     | 2,166   | 7,818                         | 217,090      | 80,212    |
| Mining and quarrying.....                                                                 | 2,982                      | 555,679      | 71,686     | 10,201  | 8,898                         | 1,402,598    | 248,127   |
| Metal mining.....                                                                         | 134                        | 91,261       | 18,581     | 2,609   | 530                           | 298,935      | 54,552    |
| Anthracite.....                                                                           | 42                         | 77,661       | 3,006      | 443     | 93                            | 185,215      | 13,863    |
| Bituminous coal, lignite, peat, etc.....                                                  | 396                        | 137,659      | 7,243      | 1,029   | 1,455                         | 381,373      | 54,792    |
| Oil and gas.....                                                                          | 1,155                      | 122,014      | 22,768     | 3,315   | 2,711                         | 427,470      | 86,253    |
| Manufacturing.....                                                                        | 26,364                     | 22,288,285   | 1,460,632  | 207,362 | 63,293                        | 12,861,490   | 1,256,588 |
| Food and kindred products.....                                                            | 4,247                      | 5,536,520    | 284,066    | 37,537  | 7,934                         | 1,748,880    | 88,428    |
| Bakery and confectionery products.....                                                    | 873                        | 600,685      | 51,702     | 7,240   | 2,714                         | 379,914      | 19,466    |
| Canned products—fish, fruits, vegetables, poultry, etc.....                               | 663                        | 407,855      | 41,108     | 5,884   | 1,053                         | 162,408      | 10,365    |
| Mill products—bran, flour, feed, etc.....                                                 | 531                        | 605,167      | 24,940     | 3,517   | 635                           | 132,089      | 5,235     |
| Packing-house products—fresh meats, ham, lard, bacon; meat canning, by-products, etc..... | 315                        | 2,016,924    | 22,651     | 3,252   | 503                           | 471,680      | 9,254     |
| Sugar—beet, cane, maple, and products.....                                                | 117                        | 476,640      | 63,635     | 7,447   | 89                            | 149,061      | 14,770    |
| Liquors and beverages.....                                                                | 898                        | 484,487      | 78,363     | 10,696  | 1,648                         | 107,420      | 14,176    |
| Soft drinks, cider, mineral or spring water, etc.....                                     | 521                        | 93,803       | 13,692     | 1,926   | 1,234                         | 57,830       | 5,407     |
| Liquors—wines, beer, malt extract, malt yeast, alcohol, etc.....                          | 377                        | 390,684      | 59,771     | 8,670   | 414                           | 49,690       | 8,768     |
| Tobacco, cigarettes, cigars, snuff, etc.....                                              | 122                        | 837,949      | 65,224     | 9,007   | 261                           | 105,168      | 14,893    |
| Textiles and their products.....                                                          | 5,664                      | 3,183,894    | 203,733    | 28,774  | 9,310                         | 1,468,280    | 96,838    |
| Cotton goods—dress goods, plain cloth, etc., napping and dyeing.....                      | 488                        | 660,747      | 49,850     | 6,948   | 288                           | 103,638      | 18,022    |
| Woolen and worsted goods—wool yarn, dress goods; wool pulling, etc.....                   | 286                        | 317,811      | 26,315     | 3,782   | 242                           | 73,239       | 6,891     |
| Silk and rayon goods; spinning, etc.....                                                  | 258                        | 297,526      | 32,987     | 4,579   | 525                           | 182,994      | 14,728    |
| Carpets, floor coverings, tapestries, etc.....                                            | 38                         | 63,105       | 4,039      | 581     | 73                            | 41,612       | 2,223     |
| Clothing—custom-made, factory-made, coats, underwear, millinery, etc.....                 | 2,661                      | 976,224      | 32,380     | 4,664   | 5,014                         | 555,108      | 25,729    |
| Knit goods—sweaters, hosiery, etc.....                                                    | 580                        | 297,476      | 16,832     | 2,438   | 622                           | 163,005      | 10,954    |
| Leather and its manufactures.....                                                         | 973                        | 727,024      | 47,686     | 6,749   | 1,365                         | 261,236      | 20,761    |
| Boots, shoes, slippers, etc.....                                                          | 506                        | 475,482      | 29,936     | 4,209   | 654                           | 180,478      | 14,046    |
| Gloves, saddlery, harness, trunks, finishing and tanning leather, etc.....                | 467                        | 251,543      | 17,650     | 2,540   | 731                           | 80,758       | 6,715     |
| Rubber products.....                                                                      | 215                        | 300,313      | 13,339     | 1,919   | 330                           | 418,134      | 10,000    |
| Tires and tubes, etc.....                                                                 | 26                         | 199,339      | 6,966      | 1,011   | 52                            | 376,667      | 7,280     |
| Rubber boots, shoes, hose, and artificial rubber.....                                     | 153                        | 81,238       | 5,550      | 794     | 217                           | 33,236       | 2,204     |
| Bone, celluloid, and ivory products.....                                                  | 36                         | 19,736       | 823        | 114     | 61                            | 8,331        | 515       |
| Forest products.....                                                                      | 1,638                      | 407,146      | 22,745     | 3,272   | 4,882                         | 586,815      | 95,335    |
| Sawmill and planing mill products.....                                                    | 582                        | 131,293      | 6,058      | 856     | 2,252                         | 321,408      | 51,885    |
| Carriages, wagons, furniture, etc.....                                                    | 1,056                      | 275,853      | 16,687     | 2,416   | 2,630                         | 265,407      | 43,450    |
| Paper, pulp, and products.....                                                            | 993                        | 709,716      | 52,356     | 7,419   | 1,106                         | 453,368      | 36,060    |
| Printing, publishing, and allied industries.....                                          | 2,713                      | 977,340      | 71,079     | 9,977   | 8,886                         | 673,352      | 57,917    |
| Chemicals and allied products.....                                                        | 2,458                      | 4,094,654    | 272,909    | 38,776  | 4,696                         | 2,191,132    | 189,213   |
| Petroleum and other mineral oil refining.....                                             | 210                        | 2,206,990    | 58,358     | 8,385   | 432                           | 1,731,449    | 128,206   |
| Chemicals proper.....                                                                     | 173                        | 502,883      | 45,014     | 6,800   | 169                           | 17,665       | 2,464     |
| Allied chemical substances—drugs, oils, paints, soaps, etc.....                           | 1,995                      | 1,341,844    | 164,316    | 23,282  | 3,930                         | 388,036      | 53,706    |
| Fertilizers.....                                                                          | 110                        | 43,437       | 2,221      | 308     | 165                           | 59,981       | 4,837     |
| Stone, clay, glass and related products.....                                              | 642                        | 428,580      | 34,762     | 4,912   | 3,186                         | 290,009      | 55,635    |
| Metal and its products.....                                                               | 4,291                      | 4,059,694    | 287,192    | 40,942  | 13,849                        | 4,077,533    | 404,126   |
| Iron and steel—products of blast furnaces, rolling mills, foundries.....                  | 533                        | 309,320      | 14,488     | 2,064   | 1,835                         | 1,508,079    | 122,045   |
| Locomotives and railroad equipment.....                                                   | 22                         | 8,971        | 1,170      | 161     | 122                           | 78,463       | 20,841    |
| Motor vehicles, complete or parts.....                                                    | 178                        | 1,460,417    | 102,525    | 14,837  | 576                           | 738,908      | 69,053    |
| Factory machinery.....                                                                    | 390                        | 181,848      | 23,547     | 3,304   | 935                           | 159,115      | 27,630    |
| Agricultural machinery and equipment.....                                                 | 101                        | 150,989      | 6,102      | 865     | 352                           | 66,049       | 20,528    |
| Electrical machinery and equipment.....                                                   | 206                        | 269,592      | 10,225     | 1,437   | 373                           | 197,130      | 24,269    |
| Building, construction, gas, and mining machinery and equipment.....                      | 466                        | 139,704      | 8,930      | 1,285   | 1,847                         | 300,526      | 94,074    |
| Household machinery and equipment.....                                                    | 289                        | 242,756      | 14,785     | 2,124   | 763                           | 117,134      | 13,208    |
| Office equipment, etc.....                                                                | 72                         | 80,048       | 11,117     | 1,591   | 235                           | 107,718      | 6,737     |
| Metal building material and supplies.....                                                 | 227                        | 88,225       | 5,499      | 772     | 1,434                         | 231,046      | 29,721    |
| Hardware, tools, etc.....                                                                 | 631                        | 248,927      | 26,212     | 3,711   | 1,673                         | 249,941      | 34,768    |
| Precious metal products and processes.....                                                | 190                        | 119,678      | 4,003      | 573     | 672                           | 71,543       | 6,549     |

No. 197.—CORPORATION INCOME TAX RETURNS: NUMBER, INCOME, AND TAX,  
BY INDUSTRIAL GROUPS AND INDUSTRIES, 1933—Continued  
[All money figures in thousands of dollars]

| Industry                                                                                                              | Returns showing net income |                   |                |               | Returns showing no net income |                  |                  |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------|----------------|---------------|-------------------------------|------------------|------------------|
|                                                                                                                       | Number                     | Gross income      | Net income     | Tax           | Number                        | Gross income     | Deficit          |
| <b>Manufacturing—Continued.</b>                                                                                       |                            |                   |                |               |                               |                  |                  |
| Radios, complete or parts.....                                                                                        | 50                         | 29,787            | 1,193          | 183           | 134                           | 53,455           | 11,084           |
| Airplanes.....                                                                                                        | 13                         | 6,306             | 388            | 53            | 82                            | 19,017           | 5,492            |
| <b>Construction.....</b>                                                                                              | <b>2,140</b>               | <b>374,434</b>    | <b>23,838</b>  | <b>3,440</b>  | <b>14,112</b>                 | <b>704,116</b>   | <b>91,446</b>    |
| Building and construction above ground, installing machinery, moving, wrecking, razing, etc.....                      | 1,404                      | 131,353           | 5,303          | 803           | 10,195                        | 400,077          | 45,021           |
| Other construction underground and on surface—bridge building, water-front construction, related industries, etc..... | 699                        | 201,975           | 15,074         | 2,159         | 3,741                         | 270,597          | 42,030           |
| Shipbuilding and repairing.....                                                                                       | 37                         | 41,106            | 3,261          | 478           | 176                           | 24,440           | 4,394            |
| <b>Transportation and other public utilities.....</b>                                                                 | <b>7,422</b>               | <b>4,782,888</b>  | <b>667,272</b> | <b>92,581</b> | <b>14,349</b>                 | <b>6,826,661</b> | <b>743,116</b>   |
| Steam railroads.....                                                                                                  | 150                        | 497,841           | 65,515         | 9,091         | 382                           | 3,084,778        | 345,848          |
| Electric railways; Pullman cars; refrigerator, stock, poultry, and fruit cars; lessors.                               | 295                        | 219,781           | 72,943         | 10,070        | 330                           | 420,576          | 58,149           |
| Water transportation and related branches.                                                                            | 595                        | 186,985           | 17,973         | 2,560         | 1,107                         | 177,530          | 25,979           |
| Aerial transportation.....                                                                                            | 36                         | 42,637            | 2,385          | 353           | 487                           | 10,369           | 5,614            |
| Autobus lines, taxicabs, and sight-seeing companies.....                                                              | 423                        | 77,865            | 6,012          | 859           | 1,872                         | 102,203          | 13,571           |
| Cartage and storage; food storage, packing and shipping, local transportation, etc.....                               | 3,023                      | 290,580           | 24,008         | 3,413         | 5,829                         | 368,873          | 32,094           |
| Electric light and power companies.....                                                                               | 407                        | 1,492,998         | 237,025        | 33,407        | 461                           | 881,162          | 138,735          |
| Gas companies, artificial and natural.....                                                                            | 207                        | 525,450           | 56,440         | 8,018         | 349                           | 93,231           | 30,438           |
| Telephones and telegraph companies.....                                                                               | 1,085                      | 1,146,871         | 123,980        | 17,687        | 1,933                         | 188,016          | 24,747           |
| Radio broadcasting companies.....                                                                                     | 90                         | 20,672            | 1,582          | 221           | 257                           | 75,137           | 10,850           |
| Water companies.....                                                                                                  | 730                        | 115,324           | 12,856         | 1,797         | 642                           | 19,753           | 6,488            |
| <b>Trade.....</b>                                                                                                     | <b>38,275</b>              | <b>14,976,095</b> | <b>435,820</b> | <b>62,189</b> | <b>93,621</b>                 | <b>9,222,949</b> | <b>476,184</b>   |
| Wholesale.....                                                                                                        | 10,187                     | 5,062,949         | 148,602        | 21,264        | 14,716                        | 2,841,540        | 104,026          |
| Retail.....                                                                                                           | 21,695                     | 6,076,528         | 227,000        | 32,349        | 59,536                        | 4,821,823        | 280,619          |
| Wholesale and retail.....                                                                                             | 3,439                      | 1,340,533         | 33,546         | 4,746         | 6,372                         | 958,165          | 44,254           |
| Commission.....                                                                                                       | 2,004                      | 452,026           | 19,289         | 2,787         | 3,834                         | 250,130          | 13,661           |
| <b>Service.....</b>                                                                                                   | <b>7,666</b>               | <b>898,980</b>    | <b>60,962</b>  | <b>1,871</b>  | <b>35,419</b>                 | <b>1,952,228</b> | <b>378,023</b>   |
| Domestic service—laundries, hotels, restaurants, etc.....                                                             | 2,193                      | 287,453           | 14,825         | 2,078         | 16,489                        | 1,072,344        | 210,474          |
| <b>Amusements.....</b>                                                                                                | <b>1,443</b>               | <b>213,285</b>    | <b>16,564</b>  | <b>2,414</b>  | <b>6,387</b>                  | <b>524,723</b>   | <b>112,267</b>   |
| Theaters, legitimate, vaudeville, etc.....                                                                            | 87                         | 5,577             | 499            | 73            | 308                           | 16,392           | 7,153            |
| Motion-picture producers.....                                                                                         | 42                         | 27,176            | 3,198          | 477           | 158                           | 135,231          | 40,354           |
| Motion-picture theaters.....                                                                                          | 773                        | 159,032           | 10,726         | 1,549         | 2,076                         | 284,884          | 44,927           |
| Other amusements—circuses, golf links, race tracks, etc.....                                                          | 541                        | 21,501            | 2,140          | 316           | 3,845                         | 88,217           | 19,868           |
| Professional—curative, educational, engineering, legal, etc.....                                                      | 1,264                      | 60,741            | 6,142          | 1,875         | 5,008                         | 90,940           | 23,562           |
| Business service—detective bureaus, trade shows, mimeographing, publishing directories, advertising, etc.....         | 1,429                      | 230,563           | 18,533         | 2,657         | 4,184                         | 182,533          | 16,760           |
| <b>Finance.....</b>                                                                                                   | <b>22,369</b>              | <b>2,725,288</b>  | <b>260,669</b> | <b>38,352</b> | <b>99,314</b>                 | <b>4,995,492</b> | <b>2,273,806</b> |
| National banks.....                                                                                                   | 618                        | 47,777            | 9,209          | 1,282         | 4,932                         | 581,496          | 244,520          |
| State and private banks, savings banks, loan and trust companies.....                                                 | 1,607                      | 91,247            | 8,976          | 1,219         | 10,255                        | 731,288          | 326,519          |
| Joint-stock land banks.....                                                                                           |                            |                   |                |               | 31                            | 2,840            | 18,442           |
| Stock and bond brokers, investment brokers, investment bankers, and investment trusts.....                            | 1,023                      | 703,455           | 24,302         | 3,479         | 2,761                         | 636,866          | 252,145          |
| Real estate and realty holding companies—realty development, holding or leasing, realty trust, etc.....               | 11,243                     | 268,652           | 54,611         | 7,566         | 61,814                        | 857,450          | 491,828          |
| Insurance companies.....                                                                                              | 637                        | 1,154,910         | 66,370         | 9,188         | 1,276                         | 1,168,028        | 247,829          |
| Life insurance—mutual or stock.....                                                                                   | 172                        | 360,182           | 17,841         | 2,451         | 420                           | 469,193          | 48,697           |
| Other insurance.....                                                                                                  | 465                        | 794,727           | 48,530         | 6,737         | 856                           | 698,835          | 199,132          |

<sup>1</sup> See note below regarding revisions in the 1932 figures published in the 1935 issue of the Statistical Abstract.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

Revisions in 1932 data relating to corporation income tax returns published in the 1935 issue of the Statistical Abstract (items not repeated in this issue only).—Tables 189, 195, and 197: "Net loss for prior year" and "Income tax" for one corporation in the "Public service (professional)" group in Wisconsin were reduced by \$402,000 and \$458,000, respectively. Table 189: In the "Tobacco products" group "Gross sales" were increased by \$194,918,000 and "Gross receipts from other operations" decreased by that amount. "Cost of goods sold" was increased by \$133,030,000 and "Miscellaneous deductions" reduced by that amount. Table 193: In the "Finance" group, \$88,600,000 was subtracted from "Bonded debt and mortgages" and a like sum added to "Miscellaneous liabilities."

# **No. 198.—CORPORATION INCOME TAX RETURNS: NUMBER, NET INCOME, AND TAX, BY INDUSTRIAL GROUPS**

**NOTE.**—All money figures in thousands of dollars. Inactive corporations are not included beginning 1927. Tax for 1933 includes excess-profits tax (effective June 30, 1933, under provisions of the National Industrial Recovery Act)

| Year                                            | Returns showing net income |            |           | Returns showing no net income <sup>1</sup> |           | Returns showing net income                  |            |         | Returns showing no net income <sup>1</sup> |           |
|-------------------------------------------------|----------------------------|------------|-----------|--------------------------------------------|-----------|---------------------------------------------|------------|---------|--------------------------------------------|-----------|
|                                                 | Number                     | Net income | Tax       | Number                                     | Deficit   | Number                                      | Net income | Tax     | Number                                     | Deficit   |
| All corporations                                |                            |            |           |                                            |           | Agriculture and related industries          |            |         |                                            |           |
| 1926                                            | 258,134                    | 9,673,408  | 1,229,797 | 197,186                                    | 2,188,710 | 4,698                                       | 70,812     | 8,176   | 5,990                                      | 55,665    |
| 1927                                            | 259,849                    | 8,981,884  | 1,130,674 | 165,828                                    | 2,471,739 | 4,445                                       | 78,577     | 9,054   | 4,460                                      | 61,893    |
| 1928                                            | 268,783                    | 10,617,741 | 1,184,142 | 174,828                                    | 2,391,124 | 4,504                                       | 80,476     | 8,217   | 4,679                                      | 50,092    |
| 1929                                            | 269,430                    | 11,653,886 | 1,193,436 | 186,591                                    | 2,914,128 | 4,407                                       | 72,801     | 6,783   | 5,023                                      | 53,543    |
| 1930                                            | 221,420                    | 8,428,813  | 711,704   | 241,616                                    | 4,877,595 | 3,475                                       | 40,484     | 4,041   | 6,481                                      | 86,370    |
| 1931                                            | 176,898                    | 3,683,368  | 398,994   | 283,806                                    | 6,070,913 | 2,546                                       | 10,092     | 1,201   | 7,354                                      | 98,778    |
| 1932                                            | 82,648                     | 2,153,113  | 285,576   | 360,238                                    | 7,796,687 | 1,153                                       | 5,979      | 675     | 8,615                                      | 94,962    |
| 1933                                            | 109,786                    | 2,986,972  | 423,068   | 337,056                                    | 5,533,339 | 1,443                                       | 14,894     | 2,156   | 7,818                                      | 60,212    |
| Mining and quarrying                            |                            |            |           |                                            |           | Manufacturing—Total <sup>2</sup>            |            |         |                                            |           |
| 1926                                            | 6,006                      | 455,798    | 57,308    | 13,246                                     | 183,474   | 55,094                                      | 4,494,790  | 584,507 | 38,150                                     | 786,687   |
| 1927                                            | 5,232                      | 276,309    | 34,896    | 7,804                                      | 246,924   | 53,620                                      | 3,938,647  | 507,735 | 36,196                                     | 851,053   |
| 1928                                            | 5,153                      | 332,679    | 36,751    | 7,760                                      | 207,416   | 55,007                                      | 4,744,261  | 544,937 | 36,566                                     | 838,735   |
| 1929                                            | 5,211                      | 430,527    | 44,319    | 7,291                                      | 198,440   | 56,488                                      | 5,216,018  | 644,053 | 38,742                                     | 810,244   |
| 1930                                            | 4,700                      | 194,118    | 21,474    | 7,633                                      | 238,469   | 40,641                                      | 2,757,508  | 316,902 | 60,863                                     | 1,639,844 |
| 1931                                            | 3,832                      | 71,154     | 7,211     | 8,291                                      | 325,903   | 30,270                                      | 1,464,619  | 165,311 | 58,815                                     | 2,287,589 |
| 1932                                            | 2,868                      | 62,675     | 7,445     | 9,178                                      | 287,042   | 14,985                                      | 1,677,501  | 99,949  | 72,931                                     | 2,563,856 |
| 1933                                            | 2,982                      | 71,686     | 10,201    | 8,866                                      | 248,127   | 26,364                                      | 1,460,632  | 207,362 | 62,295                                     | 1,256,666 |
| Manufacturing—Continued                         |                            |            |           |                                            |           |                                             |            |         |                                            |           |
| Food products, including beverages <sup>3</sup> |                            |            |           |                                            |           | Tobacco products                            |            |         |                                            |           |
| 1926                                            | 8,950                      | 475,074    | 61,420    | 6,058                                      | 93,062    | 289                                         | 117,366    | 15,718  | 208                                        | 2,257     |
| 1927                                            | 8,971                      | 461,046    | 50,049    | 5,461                                      | 105,716   | 281                                         | 124,775    | 16,745  | 169                                        | 2,475     |
| 1928                                            | 8,844                      | 518,062    | 58,891    | 5,405                                      | 77,818    | 238                                         | 121,678    | 14,548  | 181                                        | 2,147     |
| 1929                                            | 9,045                      | 540,183    | 66,809    | 5,380                                      | 87,721    | 243                                         | 132,682    | 14,554  | 177                                        | 4,942     |
| 1930                                            | 7,897                      | 436,461    | 49,869    | 6,328                                      | 128,498   | 195                                         | 143,788    | 17,216  | 197                                        | 6,805     |
| 1931                                            | 6,466                      | 326,610    | 36,823    | 7,524                                      | 208,478   | 155                                         | 142,494    | 17,066  | 211                                        | 5,605     |
| 1932                                            | 3,626                      | 199,837    | 25,201    | 10,653                                     | 207,211   | 114                                         | 138,399    | 19,061  | 256                                        | 5,161     |
| 1933                                            | 5,145                      | 337,969    | 48,133    | 9,582                                      | 100,603   | 122                                         | 65,224     | 9,007   | 201                                        | 14,893    |
| Textiles and their products                     |                            |            |           |                                            |           | Leather and its manufactures                |            |         |                                            |           |
| 1926                                            | 7,708                      | 314,649    | 39,829    | 5,728                                      | 195,164   | 1,413                                       | 73,859     | 9,358   | 1,078                                      | 27,436    |
| 1927                                            | 8,240                      | 417,484    | 50,341    | 5,343                                      | 120,816   | 1,448                                       | 99,072     | 12,229  | 903                                        | 21,708    |
| 1928                                            | 8,076                      | 351,850    | 39,355    | 6,098                                      | 155,729   | 1,362                                       | 77,425     | 8,892   | 1,015                                      | 28,038    |
| 1929                                            | 8,104                      | 323,974    | 33,197    | 6,236                                      | 103,069   | 1,349                                       | 76,803     | 8,109   | 1,084                                      | 36,383    |
| 1930                                            | 5,678                      | 105,610    | 11,122    | 8,753                                      | 369,890   | 894                                         | 38,691     | 4,389   | 1,515                                      | 64,124    |
| 1931                                            | 4,875                      | 77,830     | 7,351     | 9,503                                      | 342,637   | 754                                         | 30,091     | 3,340   | 1,487                                      | 64,737    |
| 1932                                            | 2,467                      | 41,062     | 5,047     | 11,872                                     | 332,249   | 468                                         | 18,687     | 2,404   | 1,816                                      | 61,791    |
| 1933                                            | 5,664                      | 203,733    | 28,774    | 9,310                                      | 96,838    | 973                                         | 47,586     | 6,749   | 1,365                                      | 20,761    |
| Rubber products                                 |                            |            |           |                                            |           | Forest products                             |            |         |                                            |           |
| 1926                                            | 839                        | 37,501     | 4,867     | 341                                        | 24,764    | 4,691                                       | 172,972    | 21,607  | 3,271                                      | 69,196    |
| 1927                                            | 335                        | 70,363     | 8,849     | 284                                        | 19,356    | 4,178                                       | 125,408    | 15,612  | 3,353                                      | 94,296    |
| 1928                                            | 349                        | 44,645     | 5,149     | 331                                        | 45,987    | 4,260                                       | 142,197    | 15,210  | 3,367                                      | 71,409    |
| 1929                                            | 311                        | 56,324     | 6,055     | 303                                        | 30,191    | 4,195                                       | 135,612    | 13,437  | 3,294                                      | 68,498    |
| 1930                                            | 227                        | 12,242     | 1,836     | 354                                        | 63,876    | 2,340                                       | 36,825     | 5,691   | 4,868                                      | 152,460   |
| 1931                                            | 174                        | 14,004     | 1,371     | 361                                        | 38,154    | 1,525                                       | 14,966     | 1,879   | 5,150                                      | 199,138   |
| 1932                                            | 96                         | 2,779      | 301       | 426                                        | 41,517    | 541                                         | 5,271      | 666     | 5,929                                      | 212,389   |
| 1933                                            | 215                        | 13,339     | 1,619     | 330                                        | 10,000    | 1,688                                       | 22,745     | 3,272   | 4,882                                      | 95,335    |
| Paper, pulp, and products                       |                            |            |           |                                            |           | Printing, publishing, and allied industries |            |         |                                            |           |
| 1926                                            | 1,365                      | 120,460    | 15,610    | 659                                        | 14,362    | 6,931                                       | 203,507    | 25,858  | 3,614                                      | 31,006    |
| 1927                                            | 1,386                      | 123,988    | 16,038    | 642                                        | 13,614    | 6,734                                       | 198,476    | 25,123  | 3,629                                      | 34,768    |
| 1928                                            | 1,345                      | 118,590    | 13,768    | 678                                        | 14,959    | 7,070                                       | 243,650    | 27,310  | 3,703                                      | 34,104    |
| 1929                                            | 1,406                      | 124,347    | 13,222    | 673                                        | 19,893    | 7,331                                       | 270,829    | 28,017  | 3,839                                      | 47,749    |
| 1930                                            | 1,114                      | 73,641     | 8,475     | 953                                        | 36,379    | 6,098                                       | 176,137    | 19,641  | 5,271                                      | 54,512    |
| 1931                                            | 832                        | 37,472     | 4,239     | 1,200                                      | 63,776    | 4,593                                       | 115,795    | 12,895  | 6,810                                      | 77,802    |
| 1932                                            | 473                        | 16,600     | 2,237     | 1,582                                      | 81,073    | 2,155                                       | 58,804     | 7,795   | 9,510                                      | 96,170    |
| 1933                                            | 993                        | 52,356     | 7,419     | 1,106                                      | 36,090    | 2,713                                       | 71,079     | 9,977   | 8,886                                      | 57,917    |

<sup>1</sup> Includes inactive concerns prior to 1927; for number of inactive concerns in 1927 to 1933 see table 195.

<sup>2</sup> Includes all other manufacturing not shown separately.

<sup>3</sup> For "Food products, excluding beverages" and "Liquors and beverages", tabulated separately for 1933, see table 197.

# No. 198.—CORPORATION INCOME TAX RETURNS: NUMBER, NET INCOME, AND TAX, BY INDUSTRIAL GROUPS—Continued

| Year                                      | Returns showing net income |            |         | Returns showing no net income |           | Returns showing net income       |            |         | Returns showing no net income |           |
|-------------------------------------------|----------------------------|------------|---------|-------------------------------|-----------|----------------------------------|------------|---------|-------------------------------|-----------|
|                                           | Number                     | Net income | Tax     | Number                        | Deficit   | Number                           | Net income | Tax     | Number                        | Deficit   |
| Manufacturing—Continued                   |                            |            |         |                               |           |                                  |            |         |                               |           |
| Chemicals and allied products             |                            |            |         |                               |           | Stone, clay, and glass products  |            |         |                               |           |
| 1926                                      | 4,076                      | 785,155    | 102,964 | 3,210                         | 69,279    | 2,782                            | 195,166    | 25,542  | 1,844                         | 22,112    |
| 1927                                      | 5,960                      | 495,857    | 64,787  | 2,882                         | 110,389   | 2,587                            | 157,293    | 20,564  | 1,876                         | 28,359    |
| 1928                                      | 4,231                      | 848,127    | 99,002  | 2,820                         | 59,789    | 2,676                            | 172,007    | 19,770  | 1,938                         | 32,618    |
| 1929                                      | 4,073                      | 911,512    | 98,124  | 2,968                         | 56,976    | 2,572                            | 163,646    | 17,268  | 1,969                         | 35,439    |
| 1930                                      | 3,287                      | 534,077    | 62,961  | 3,727                         | 175,469   | 1,805                            | 92,812     | 10,487  | 2,713                         | 53,374    |
| 1931                                      | 2,797                      | 251,493    | 29,409  | 4,047                         | 318,864   | 1,149                            | 41,688     | 4,614   | 3,076                         | 79,171    |
| 1932                                      | 1,741                      | 167,778    | 23,645  | 5,315                         | 223,206   | 424                              | 18,270     | 1,760   | 3,085                         | 110,098   |
| 1933                                      | 2,458                      | 272,909    | 38,776  | 4,696                         | 189,213   | 642                              | 34,702     | 4,912   | 3,186                         | 55,635    |
| Manufacturing—Con.—Metal and its products |                            |            |         |                               |           | Construction                     |            |         |                               |           |
| 1926                                      | 11,989                     | 1,803,444  | 237,077 | 8,065                         | 192,574   | 10,075                           | 182,569    | 19,146  | 6,695                         | 53,621    |
| 1927                                      | 11,412                     | 1,501,274  | 198,066 | 8,227                         | 241,305   | 10,071                           | 171,160    | 20,078  | 6,281                         | 59,417    |
| 1928                                      | 12,252                     | 1,910,004  | 221,838 | 7,479                         | 254,975   | 10,179                           | 170,906    | 17,176  | 7,117                         | 71,309    |
| 1929                                      | 12,864                     | 2,291,787  | 286,494 | 7,292                         | 170,113   | 10,462                           | 178,376    | 16,519  | 7,896                         | 70,096    |
| 1930                                      | 8,188                      | 1,003,020  | 116,149 | 11,904                        | 400,375   | 8,871                            | 160,548    | 15,210  | 9,674                         | 82,488    |
| 1931                                      | 4,744                      | 355,221    | 40,624  | 14,174                        | 760,951   | 8,457                            | 80,999     | 7,625   | 11,675                        | 111,043   |
| 1932                                      | 1,917                      | 71,098     | 9,558   | 16,191                        | 1,054,666 | 2,115                            | 30,891     | 3,639   | 15,204                        | 141,060   |
| 1933                                      | 4,391                      | 287,192    | 40,942  | 13,849                        | 494,126   | 2,140                            | 23,638     | 3,440   | 14,112                        | 91,445    |
| Transportation and other public utilities |                            |            |         |                               |           | Trade                            |            |         |                               |           |
| 1926                                      | 15,444                     | 1,723,399  | 228,662 | 9,656                         | 120,174   | 71,403                           | 1,165,558  | 140,523 | 41,302                        | 330,098   |
| 1927                                      | 13,855                     | 1,588,880  | 210,878 | 6,982                         | 197,472   | 74,747                           | 1,156,870  | 137,352 | 44,931                        | 362,339   |
| 1928                                      | 13,882                     | 1,813,088  | 211,681 | 7,422                         | 173,170   | 79,745                           | 1,246,862  | 126,332 | 46,802                        | 355,514   |
| 1929                                      | 18,614                     | 2,062,654  | 222,483 | 7,994                         | 190,692   | 78,606                           | 1,149,235  | 107,149 | 50,483                        | 419,398   |
| 1930                                      | 12,109                     | 1,334,220  | 166,573 | 9,522                         | 383,528   | 69,741                           | 651,097    | 64,166  | 71,746                        | 738,695   |
| 1931                                      | 10,933                     | 902,635    | 105,585 | 10,622                        | 605,249   | 45,049                           | 480,035    | 45,708  | 86,799                        | 1,025,431 |
| 1932                                      | 6,700                      | 708,168    | 98,118  | 14,951                        | 839,051   | 20,951                           | 234,874    | 30,644  | 111,363                       | 1,039,924 |
| 1933                                      | 7,429                      | 657,272    | 92,581  | 14,349                        | 743,116   | 39,275                           | 435,820    | 62,189  | 98,621                        | 478,184   |
| Public service                            |                            |            |         |                               |           | Finance—Banking, insurance, etc. |            |         |                               |           |
| 1926                                      | 17,755                     | 260,981    | 31,040  | 14,502                        | 103,772   | 76,819                           | 1,336,893  | 180,215 | 53,614                        | 528,032   |
| 1927                                      | 18,287                     | 244,464    | 28,626  | 12,859                        | 117,065   | 78,100                           | 1,522,834  | 181,706 | 44,582                        | 566,177   |
| 1928                                      | 19,008                     | 254,186    | 25,501  | 14,518                        | 126,709   | 80,315                           | 1,971,343  | 213,288 | 48,824                        | 566,199   |
| 1929                                      | 20,230                     | 314,426    | 29,832  | 15,737                        | 154,215   | 80,260                           | 2,197,539  | 222,403 | 53,677                        | 1,008,827 |
| 1930                                      | 18,741                     | 234,227    | 23,705  | 19,472                        | 179,230   | 72,102                           | 1,064,816  | 109,455 | 64,477                        | 1,606,677 |
| 1931                                      | 15,637                     | 117,925    | 11,081  | 22,588                        | 241,288   | 59,129                           | 570,802    | 55,166  | 76,434                        | 2,256,843 |
| 1932                                      | 7,140                      | 64,392     | 8,396   | 36,142                        | 480,481   | 25,935                           | 287,992    | 36,576  | 98,725                        | 2,335,500 |
| 1933                                      | 7,506                      | 60,982     | 8,717   | 35,419                        | 378,023   | 22,369                           | 260,569    | 36,352  | 99,314                        | 2,273,808 |

## No. 199.—FEDERAL ESTATE TAX RETURNS: SUMMARY

NOTE.—Money figures in thousands of dollars. Returns are required in case of resident decedents if gross estate exceeds \$50,000 for deaths prior to Feb. 20, 1926, and subsequent to June 6, 1932, and \$100,000 for the intervening period; and for every nonresident decedent who owns property in the United States

| Year                        | Returns filed      |                        | Gross estate       |                        | Net taxable estate |                        | Tax                |                        |
|-----------------------------|--------------------|------------------------|--------------------|------------------------|--------------------|------------------------|--------------------|------------------------|
|                             | Resident decedents | Non-resident decedents | Resident decedents | Non-resident decedents | Resident decedents | Non-resident decedents | Resident decedents | Non-resident decedents |
| Sept. 9, 1916-Jan. 15, 1922 | 42,230             | 2,896                  | 8,785,642          | 107,597                | 5,407,674          | 101,849                | 351,138            | 5,378                  |
| Jan. 15-Dec. 31, 1922       | 12,563             | 1,813                  | 2,955,959          | 58,113                 | 1,662,832          | 52,142                 | 117,624            | 2,938                  |
| 1923                        | 13,963             | 1,156                  | 2,774,741          | 29,587                 | 1,504,621          | 27,440                 | 88,384             | 726                    |
| 1924                        | 13,011             | 1,602                  | 2,540,922          | 25,600                 | 1,372,421          | 23,395                 | 71,451             | 488                    |
| 1925                        | 14,013             | 2,006                  | 2,958,364          | 42,725                 | 1,621,008          | 37,861                 | 86,223             | 1,099                  |
| 1926                        | 13,142             | 1,425                  | 3,386,267          | 21,666                 | 1,951,969          | 20,567                 | 101,324            | 481                    |
| 1927                        | 9,853              | 1,947                  | 3,146,290          | 26,945                 | 1,735,840          | 25,777                 | 40,931             | 755                    |
| 1928                        | 8,079              | 2,157                  | 3,503,289          | 51,032                 | 1,943,429          | 49,075                 | 40,561             | 1,398                  |
| 1929                        | 8,552              | 1,761                  | 3,843,514          | 49,732                 | 2,268,323          | 45,653                 | 43,303             | 1,085                  |
| 1930                        | 8,798              | 1,684                  | 4,108,517          | 67,106                 | 2,376,973          | 50,481                 | 39,003             | 2,614                  |
| 1931                        | 8,333              | 1,550                  | 4,042,381          | 33,195                 | 2,327,319          | 29,013                 | 44,540             | 660                    |
| 1932                        | 7,113              | 1,394                  | 2,798,818          | 34,570                 | 1,391,569          | 31,868                 | 22,564             | 1,310                  |
| 1933                        | 5,727              | 1,648                  | 2,026,931          | 34,025                 | 1,798,246          | 30,056                 | 159,429            | 1,986                  |
| 1934                        | 10,353             | 1,800                  | 2,244,107          | 23,000                 | 1,882,712          | 20,033                 | 195,228            | 958                    |

<sup>1</sup> The net estate is shown under provisions of Revenue Act of 1926, whereas the tax is under the provisions of that act plus the additional tax under Revenue Act of 1932 or 1934 (see note 1, table 200).

Source of tables 198 and 199: Statistics of Income, Report of the Commissioner of Internal Revenue.

**No. 200.—FEDERAL ESTATE TAX RETURNS: RETURNS OF RESIDENT DECEDENTS FILED DURING 1934, DISTRIBUTED BY SIZE OF NET ESTATE, AND SUMMARY FOR PRIOR YEARS**

[All money figures and estate classes in thousands of dollars. See headnote, table 199]

|                                                                     | 1929      | 1930      | 1931      | 1932      | 1933      | 1934      |
|---------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Number of returns.....                                              | 8,582     | 8,798     | 8,333     | 7,113     | 8,727     | 10,368    |
| Gross estate, total.....                                            | 3,843,514 | 4,108,517 | 4,042,381 | 2,795,818 | 2,028,931 | 2,244,107 |
| Real estate.....                                                    | 570,068   | 503,855   | 542,842   | 433,374   | 385,831   | 378,510   |
| Bonds exempt or partially exempt.....                               | 240,338   | 301,578   | 355,540   | 287,305   | 281,429   | 322,782   |
| Other bonds.....                                                    | 263,142   | 281,733   | 255,331   | 194,843   | 170,499   | 178,403   |
| Capital stock in corporations.....                                  | 1,880,798 | 1,969,855 | 1,909,492 | 1,056,766 | 643,050   | 734,219   |
| Mortgages, notes, cash, etc.....                                    | 351,108   | 396,015   | 388,700   | 341,121   | 322,913   | 323,056   |
| Insurance (gross).....                                              | 124,740   | 128,584   | 133,766   | 135,359   | 134,358   | 143,788   |
| All other.....                                                      | 403,326   | 476,846   | 454,708   | 337,571   | 105,651   | 112,948   |
| Deductions, total.....                                              | 1,841,316 | 1,799,570 | 1,799,097 | 1,521,810 | 1,482,517 | 1,697,085 |
| Specific exemption under 1926 Act.....                              | 846,750   | 876,050   | 830,150   | 696,850   | 865,400   | 1,034,250 |
| Charitable, public, and similar bequests.....                       | 153,678   | 223,490   | 219,940   | 190,916   | 96,201    | 146,102   |
| Property from an estate taxed within 6 years.....                   | 85,128    | 94,101    | 110,440   | 83,525    | 45,008    | 41,210    |
| Funeral and administrative expenses, debts, mortgages, etc.....     | 501,537   | 551,725   | 586,223   | 503,954   | 401,963   | 415,776   |
| Insurance exemption.....                                            | 54,223    | 54,204    | 52,335    | 46,565    | 53,945    | 59,748    |
| Net estate under 1926 Act <sup>1</sup> .....                        | 2,268,323 | 2,376,973 | 2,327,319 | 1,391,569 | 798,246   | 882,712   |
| Tax under Revenue Act of 1926.....                                  | 165,413   | 152,391   | 182,202   | 84,006    | 36,471    | 43,693    |
| Additional tax under Revenue Act of 1932 or 1934 <sup>1</sup> ..... | 165,413   | 152,391   | 182,202   | 84,006    | 51,254    | 85,503    |
| Total tax.....                                                      | 122,110   | 113,388   | 137,668   | 61,642    | 28,295    | 33,998    |
| Tax credits <sup>2</sup> .....                                      | 43,303    | 39,003    | 44,540    | 22,364    | 59,429    | 95,228    |
| Net tax.....                                                        |           |           |           |           |           |           |

|                                                                     | 1934: No net estate under 1926, 1932, or 1934 Act | 1934: No net estate under 1926 Act but taxable under 1932 or 1934 Act | 1934: Net estate classes under Revenue Act of 1926 (taxable under both 1926 and 1932 or 1934 Acts) |         |         |           |             |                |
|---------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------|---------|-----------|-------------|----------------|
|                                                                     |                                                   |                                                                       | Under 50                                                                                           | 50-200  | 200-600 | 600-1,000 | 1,000-5,000 | 5,000 and over |
| Number of returns.....                                              | 2,372                                             | 4,037                                                                 | 1,567                                                                                              | 1,400   | 648     | 162       | 161         | 6              |
| Gross estate, total.....                                            | 218,695                                           | 376,730                                                               | 243,710                                                                                            | 373,218 | 364,374 | 174,188   | 414,503     | 79,688         |
| Real estate.....                                                    | 73,591                                            | 91,282                                                                | 49,099                                                                                             | 58,895  | 51,681  | 18,173    | 32,248      | 3,540          |
| Bonds exempt or partially exempt.....                               | 7,161                                             | 22,210                                                                | 19,634                                                                                             | 35,618  | 43,544  | 32,893    | 129,071     | 32,653         |
| Other bonds.....                                                    | 10,201                                            | 30,962                                                                | 23,705                                                                                             | 37,626  | 36,240  | 15,397    | 25,011      | 362            |
| Capital stock in corporations.....                                  | 53,369                                            | 94,517                                                                | 71,543                                                                                             | 130,950 | 152,191 | 72,009    | 168,974     | 40,677         |
| Mortgages, notes, cash, etc.....                                    | 30,097                                            | 84,471                                                                | 48,923                                                                                             | 64,567  | 41,358  | 19,068    | 33,294      | 1,279          |
| Insurance (gross).....                                              | 31,913                                            | 32,198                                                                | 17,308                                                                                             | 25,637  | 21,691  | 6,930     | 7,819       | 283            |
| All other.....                                                      | 12,374                                            | 20,091                                                                | 13,498                                                                                             | 20,025  | 17,667  | 9,709     | 18,087      | 895            |
| Deductions, total.....                                              | 434,448                                           | 495,667                                                               | 210,476                                                                                            | 222,797 | 142,272 | 51,695    | 120,032     | 19,697         |
| Specific exemption under 1926 Act.....                              | 236,700                                           | 403,700                                                               | 156,400                                                                                            | 139,750 | 64,800  | 16,200    | 18,100      | 600            |
| Charitable, public, and similar bequests.....                       | 18,157                                            | 12,960                                                                | 6,689                                                                                              | 14,442  | 15,571  | 7,105     | 58,103      | 13,072         |
| Property from an estate taxed within 5 years.....                   | 2,888                                             | 906                                                                   | 5,614                                                                                              | 10,322  | 6,811   | 6,928     | 7,741       | -----          |
| Funeral and administrative expenses, debts, mortgages, etc.....     | 160,701                                           | 60,565                                                                | 33,439                                                                                             | 48,651  | 49,685  | 19,991    | 36,750      | 5,992          |
| Insurance exemption.....                                            | 16,003                                            | 17,537                                                                | 3,334                                                                                              | 9,632   | 5,408   | 1,470     | 1,837       | 32             |
| Net estate under 1926 Act <sup>1</sup> .....                        |                                                   |                                                                       | 33,234                                                                                             | 150,418 | 232,101 | 122,494   | 294,474     | 59,992         |
| Tax under Revenue Act of 1926.....                                  |                                                   |                                                                       | 334                                                                                                | 2,613   | 6,775   | 5,214     | 20,371      | 8,386          |
| Additional tax under Revenue Act of 1932 or 1934 <sup>1</sup> ..... | 1,630                                             | 4,040                                                                 | 11,481                                                                                             | 16,617  | 10,020  | 30,745    | 10,961      |                |
| Total tax.....                                                      | 1,630                                             | 4,383                                                                 | 14,094                                                                                             | 23,392  | 15,234  | 51,116    | 19,347      |                |
| Tax credits <sup>2</sup> .....                                      | 3                                                 | 259                                                                   | 2,034                                                                                              | 5,306   | 3,936   | 15,770    | 6,660       |                |
| Net tax.....                                                        | 1,628                                             | 4,124                                                                 | 12,060                                                                                             | 18,086  | 11,298  | 35,346    | 12,687      |                |

<sup>1</sup> Under the 1926 act a specific exemption of \$100,000 is allowed in arriving at net estate, whereas in computing net estate to which the additional tax under the 1932 or 1934 act applies the exemption is \$50,000.

<sup>2</sup> In arriving at net estate the gross estate and deductions are diminished by amount of gross estate and deductions for "no net estate."

<sup>3</sup> Credit for estate, inheritance, legacy, or succession taxes paid to any of the several States, Territories, or District of Columbia and gift taxes paid to the Federal Government.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

## No. 201.—PUBLIC DEBT OF THE UNITED STATES: 1800 to 1936

[All figures except per capita in thousands of dollars]

| June 30— | Gross debt <sup>1</sup> |            | Interest bearing <sup>2</sup> | Matured | Non-interest bearing <sup>1</sup> | June 30— | Gross debt <sup>1</sup> |            | Interest bearing <sup>2</sup> | Matured | Non-interest bearing <sup>1</sup> |
|----------|-------------------------|------------|-------------------------------|---------|-----------------------------------|----------|-------------------------|------------|-------------------------------|---------|-----------------------------------|
|          | Amount                  | Per capita |                               |         |                                   |          | Amount                  | Per capita |                               |         |                                   |
| 1800.    | 82,976                  | \$15.87    | —                             | —       | —                                 | 1901.    | 1,221,672               | \$15.71    | 987,141                       | 1,416   | 233,016                           |
| 1810.    | 53,173                  | 7.46       | —                             | —       | —                                 | 1902.    | 1,178,031               | 14.89      | 931,070                       | 1,281   | 245,680                           |
| 1820.    | 91,016                  | 9.58       | —                             | —       | —                                 | 1903.    | 1,159,406               | 14.40      | 914,541                       | 1,205   | 243,669                           |
| 1830.    | 48,565                  | 3.83       | —                             | —       | —                                 | 1904.    | 1,136,250               | 13.88      | 895,187                       | 1,971   | 239,131                           |
| 1840.    | 3,573                   | .21        | —                             | —       | —                                 | 1905.    | 1,132,457               | 13.60      | 895,158                       | 1,370   | 235,320                           |
| 1850.    | 63,453                  | 2.77       | —                             | —       | —                                 | 1906.    | 1,142,523               | 13.50      | 895,159                       | 1,128   | 246,236                           |
| 1855.    | 35,588                  | 1.32       | 85,418                        | 170     | —                                 | 1907.    | 1,147,178               | 13.33      | 894,834                       | 1,087   | 251,257                           |
| 1860.    | 64,844                  | 2.09       | 84,683                        | 161     | —                                 | 1908.    | 1,177,690               | 13.46      | 897,504                       | 4,130   | 276,056                           |
| 1865.    | 2,677,929               | 77.07      | 2,217,709                     | 2,129   | 458,090                           | 1909.    | 1,148,315               | 12.91      | 913,317                       | 2,884   | 232,114                           |
| 1870.    | 2,436,453               | 63.19      | 2,036,881                     | 3,570   | 397,003                           | 1910.    | 1,140,940               | 12.69      | 913,317                       | 2,126   | 231,498                           |
| 1874.    | 2,159,933               | 50.47      | 1,724,931                     | 3,216   | 431,780                           | 1911.    | 1,153,985               | 12.28      | 916,353                       | 1,880   | 230,762                           |
| 1875.    | 2,156,277               | 49.06      | 1,708,676                     | 11,426  | 438,175                           | 1912.    | 1,193,839               | 12.48      | 963,777                       | 1,760   | 228,301                           |
| 1876.    | 2,130,846               | 47.21      | 1,695,085                     | 8,902   | 430,258                           | 1913.    | 1,193,048               | 12.26      | 965,707                       | 1,660   | 225,682                           |
| 1877.    | 2,107,760               | 45.47      | 1,697,888                     | 10,646  | 393,223                           | 1914.    | 1,188,235               | 12.00      | 967,953                       | 1,553   | 218,730                           |
| 1878.    | 2,169,418               | 45.37      | 1,780,736                     | 5,564   | 373,080                           | 1915.    | 1,191,264               | 11.83      | 909,769                       | 1,507   | 219,998                           |
| 1879.    | 2,298,913               | 47.05      | 1,887,716                     | 37,015  | 374,181                           | 1916.    | 1,225,146               | 11.96      | 971,563                       | 1,473   | 252,110                           |
| 1880.    | 2,090,909               | 41.69      | 1,709,993                     | 7,621   | 373,295                           | 1917.    | 2,976,619               | 28.57      | 2,712,540                     | 14,232  | 246,337                           |
| 1881.    | 2,019,286               | 39.35      | 1,625,568                     | 6,724   | 386,994                           | 1918.    | 12,243,620              | 115.05     | 11,085,882                    | 20,243  | 237,504                           |
| 1882.    | 1,850,916               | 35.37      | 1,449,810                     | 10,261  | 300,845                           | 1919.    | 25,482,034              | 240.09     | 23,254,496                    | 11,109  | 236,429                           |
| 1883.    | 1,721,959               | 32.07      | 1,324,229                     | 7,831   | 389,890                           | 1920.    | 24,297,918              | 228.32     | 24,061,095                    | 6,748   | 230,075                           |
| 1884.    | 1,625,307               | 29.60      | 1,212,564                     | 19,056  | 363,088                           | 1921.    | 23,978,251              | 221.09     | 23,737,352                    | 10,940  | 227,959                           |
| 1885.    | 1,678,551               | 28.11      | 1,182,151                     | 4,101   | 362,299                           | 1922.    | 22,964,079              | 208.97     | 22,711,086                    | 25,251  | 227,793                           |
| 1886.    | 1,555,660               | 27.10      | 1,132,014                     | 9,704   | 413,941                           | 1923.    | 22,349,688              | 200.10     | 22,007,591                    | 98,172  | 233,926                           |
| 1887.    | 1,465,485               | 24.97      | 1,007,692                     | 6,115   | 461,678                           | 1924.    | 21,251,120              | 186.86     | 20,981,586                    | 30,241  | 239,293                           |
| 1888.    | 1,384,632               | 23.09      | 936,522                       | 2,498   | 445,103                           | 1925.    | 20,516,272              | 177.82     | 20,210,908                    | 30,243  | 275,123                           |
| 1889.    | 1,249,471               | 20.39      | 815,854                       | 1,911   | 431,705                           | 1926.    | 19,643,183              | 167.70     | 19,383,771                    | 13,328  | 246,084                           |
| 1890.    | 1,122,397               | 17.92      | 771,313                       | 1,810   | 409,288                           | 1927.    | 18,510,174              | 156.04     | 18,280,944                    | 14,707  | 244,523                           |
| 1891.    | 1,005,807               | 15.75      | 610,526                       | 1,613   | 393,603                           | 1928.    | 17,604,291              | 146.69     | 17,317,695                    | 45,332  | 241,264                           |
| 1892.    | 968,219                 | 14.58      | 585,029                       | 2,769   | 380,404                           | 1929.    | 16,931,198              | 139.40     | 16,638,941                    | 50,761  | 241,505                           |
| 1893.    | 961,432                 | 14.49      | 585,037                       | 2,694   | 374,301                           | 1930.    | 16,185,308              | 131.49     | 15,921,892                    | 31,715  | 231,701                           |
| 1894.    | 1,016,898               | 15.04      | 635,042                       | 1,851   | 380,005                           | 1931.    | 16,801,485              | 135.37     | 16,519,589                    | 61,823  | 230,074                           |
| 1895.    | 1,096,913               | 15.81      | 716,202                       | 1,722   | 378,939                           | 1932.    | 19,487,010              | 155.93     | 19,161,274                    | 60,087  | 266,510                           |
| 1896.    | 1,222,729               | 17.40      | 847,364                       | 1,637   | 373,729                           | 1933.    | 22,838,072              | 179.21     | 22,157,643                    | 65,911  | 216,118                           |
| 1897.    | 1,225,794               | 17.14      | 847,365                       | 1,347   | 378,082                           | 1934.    | 27,053,089              | 213.05     | 26,480,488                    | 54,266  | 618,332                           |
| 1898.    | 1,232,748               | 16.80      | 847,367                       | 1,263   | 384,113                           | 1935.    | 28,701,187              | 225.07     | 27,645,230                    | 230,663 | 525,274                           |
| 1899.    | 1,436,701               | 19.33      | 1,046,049                     | 1,218   | 389,434                           | 1936.    | 33,778,543              | 263.05     | 32,988,790                    | 169,363 | 620,390                           |
| 1900.    | 1,263,417               | 16.66      | 1,023,470                     | 1,176   | 238,762                           |          |                         |            |                               |         |                                   |

  

| Date                       | Gross debt <sup>1</sup> | Interest-bearing debt    |                                         |                                           |                              |                                             | Matured debt on which interest has ceased | Debt bearing no interest <sup>1</sup> |
|----------------------------|-------------------------|--------------------------|-----------------------------------------|-------------------------------------------|------------------------------|---------------------------------------------|-------------------------------------------|---------------------------------------|
|                            |                         | Pre-war loans un-matured | Liberty and Treasury bonds <sup>4</sup> | Notes (Victory Liberty loan and Treasury) | Certificates of indebtedness | Treasury bills, maturity value <sup>5</sup> |                                           |                                       |
| Apr. 5, 1917               | 1,281,969               | 1,023,557                | —                                       | —                                         | —                            | —                                           | 1,459                                     | 256,952                               |
| Aug. 31, 1919              | 20,594,268              | 883,463                  | 16,219,899                              | 4,113,405                                 | 4,201,209                    | 931,302                                     | 9,914                                     | 235,676                               |
| June 30, 1920              | 24,297,918              | 883,549                  | 15,334,830                              | 4,246,365                                 | 2,768,926                    | 827,419                                     | 6,748                                     | 230,075                               |
| June 30, 1921              | 23,978,251              | 882,728                  | 15,235,216                              | 4,224,972                                 | 2,699,330                    | 604,105                                     | 10,940                                    | 227,959                               |
| June 30, 1922              | 22,964,079              | 883,840                  | 15,081,613                              | 4,237,780                                 | 1,828,787                    | 679,015                                     | 25,251                                    | 227,793                               |
| June 30, 1923              | 22,349,688              | 883,670                  | 15,051,108                              | 4,104,195                                 | 1,031,418                    | 337,199                                     | 98,172                                    | 243,926                               |
| June 30, 1924              | 21,251,120              | 883,704                  | 15,141,756                              | 3,735,309                                 | 807,514                      | 413,304                                     | 30,241                                    | 239,293                               |
| June 30, 1925              | 20,516,272              | 765,318                  | 16,076,674                              | 2,404,241                                 | 576,685                      | 385,690                                     | 30,243                                    | 275,123                               |
| June 30, 1926              | 19,643,183              | 765,660                  | 16,162,418                              | 1,612,404                                 | 483,279                      | 359,810                                     | 18,328                                    | 246,084                               |
| June 30, 1927              | 18,510,174              | 769,550                  | 14,453,845                              | 2,019,195                                 | 702,096                      | 306,259                                     | 14,707                                    | 244,523                               |
| June 30, 1928              | 17,604,291              | 739,133                  | 12,252,085                              | 2,900,001                                 | 1,252,408                    | 144,469                                     | 45,332                                    | 241,264                               |
| June 30, 1929              | 16,931,198              | 770,207                  | 11,354,496                              | 2,861,012                                 | 1,640,200                    | 13,028                                      | 50,761                                    | 241,505                               |
| June 30, 1930              | 16,185,308              | 772,545                  | 11,338,791                              | 2,390,287                                 | 1,264,355                    | 155,916                                     | 31,715                                    | 231,701                               |
| June 30, 1931              | 16,801,485              | 776,155                  | 12,754,368                              | 620,908                                   | 1,923,578                    | 444,580                                     | 51,823                                    | 230,074                               |
| June 30, 1932              | 19,487,010              | 789,567                  | 13,460,091                              | 1,465,264                                 | 2,380,730                    | 615,632                                     | 60,087                                    | 266,510                               |
| June 30, 1933              | 22,538,672              | 805,018                  | 13,417,250                              | 4,779,555                                 | 2,200,328                    | 954,499                                     | 65,911                                    | 315,118                               |
| June 30, 1934              | 27,053,089              | 831,350                  | 15,078,507                              | 6,931,551                                 | 1,635,045                    | 1,404,035                                   | 54,266                                    | 518,332                               |
| Dec. 31, 1934              | 28,479,297              | 842,004                  | 15,403,185                              | 9,586,377                                 | 1,58,300                     | 1,954,168                                   | 50,715                                    | 484,548                               |
| June 30, 1935              | 28,701,187              | 855,263                  | 14,080,574                              | 10,500,994                                | 155,500                      | 2,052,898                                   | 230,663                                   | 525,274                               |
| Dec. 31, 1935              | 30,557,579              | 200,515                  | 14,471,198                              | 12,273,599                                | 246,800                      | 2,404,192                                   | 224,374                                   | 736,701                               |
| June 30, 1936 <sup>1</sup> | 33,778,543              | 199,576                  | 18,428,572                              | 11,861,418                                | 145,709                      | 2,533,516                                   | 169,363                                   | 620,390                               |

<sup>1</sup> After deducting gold reserve. Figures for 1800 to 1850, inclusive, are as of Jan. 1.<sup>2</sup> Exclusive of bonds issued to the Pacific railways and the Navy pension fund.<sup>3</sup> Preliminary.<sup>4</sup> The last Liberty bonds outstanding were called for redemption Oct. 15, 1935.<sup>5</sup> Treasury only beginning 1923. Victory notes matured May 20, 1923.<sup>6</sup> For 1918 to 1923, Treasury (war) savings securities.<sup>7</sup> Includes United States savings bonds.

Source: Reports of the Treasury Department.

**No. 202.—PUBLIC DEBT OF THE UNITED STATES: DESCRIPTION OF ISSUES  
OUTSTANDING ON DECEMBER 31, 1935**

| Security                                                                                   | Rate of interest | Redeemable (on and after) <sup>1</sup>  | Payable                                          | Amount outstanding |
|--------------------------------------------------------------------------------------------|------------------|-----------------------------------------|--------------------------------------------------|--------------------|
|                                                                                            | Percent          |                                         |                                                  | 1,000 dollars      |
| <b>Total gross debt.....</b>                                                               |                  |                                         |                                                  | <b>30,587,379</b>  |
| <b>Interest-bearing debt outstanding.....</b>                                              |                  |                                         |                                                  | <b>29,596,306</b>  |
| <b>Bonds:</b>                                                                              |                  |                                         |                                                  |                    |
| Panama Canal loan of 1901.....                                                             | 3                |                                         | June 1, 1901.....                                | 49,800             |
| Conversion bonds of 1946-47.....                                                           | 3                |                                         | Jan. 1, 1946-47.....                             | 28,895             |
| Postal savings bonds, series 10-40.....                                                    | 2½               | Jan. 1, 1916-July 1, 1935. <sup>2</sup> | Jan. 1, 1935-July 1, 1954. <sup>2</sup>          | 121,821            |
| <b>Treasury bonds:</b>                                                                     |                  |                                         |                                                  |                    |
| 4½ percent of 1947-52.....                                                                 | 4½               | Oct. 15, 1947.....                      | Oct. 15, 1952.....                               | 758,955            |
| 4 percent of 1944-54.....                                                                  | 4                | Dec. 15, 1944.....                      | Dec. 15, 1954.....                               | 1,036,762          |
| 3½ percent of 1946-56.....                                                                 | 3½               | Mar. 15, 1946.....                      | Mar. 15, 1956.....                               | 489,087            |
| 3½ percent of 1943-47.....                                                                 | 3½               | June 15, 1943.....                      | June 15, 1947.....                               | 454,135            |
| 3½ percent of 1940-43.....                                                                 | 3½               | June 15, 1940.....                      | June 15, 1943.....                               | 352,994            |
| 3½ percent of 1941-43.....                                                                 | 3½               | Mar. 15, 1941.....                      | Mar. 15, 1943.....                               | 544,914            |
| 3½ percent of 1946-49.....                                                                 | 3½               | June 15, 1946.....                      | June 15, 1949.....                               | 818,646            |
| 3 percent of 1951-55.....                                                                  | 3                | Sept. 15, 1951.....                     | Sept. 15, 1955.....                              | 755,476            |
| 3½ percent of 1941.....                                                                    | 3½               |                                         | Aug. 1, 1941.....                                | 834,474            |
| 3½ percent of 1943-45.....                                                                 | 3½               | Oct. 15, 1943.....                      | Oct. 15, 1945.....                               | 1,400,571          |
| 3½ percent of 1944-46.....                                                                 | 3½               | Apr. 15, 1944.....                      | Apr. 15, 1946.....                               | 1,518,859          |
| 3 percent of 1946-48.....                                                                  | 3                | June 15, 1946.....                      | June 15, 1948.....                               | 1,035,885          |
| 3½ percent of 1940-52.....                                                                 | 3½               | Dec. 15, 1940.....                      | Dec. 15, 1952.....                               | 491,377            |
| 2½ percent of 1953-60.....                                                                 | 2½               | Mar. 15, 1955.....                      | Mar. 15, 1960.....                               | 2,611,159          |
| 2½ percent of 1945-47.....                                                                 | 2½               | Sept. 15, 1945.....                     | Sept. 15, 1947.....                              | 1,214,454          |
| United States savings bonds, series A <sup>3</sup> .....                                   | 2.9              |                                         | Various dates from Mar. 1, 1945.....             | 153,463            |
| <b>Treasury notes:</b>                                                                     |                  |                                         |                                                  |                    |
| Series A-1936.....                                                                         | 3½               |                                         | Aug. 1, 1936.....                                | 304,138            |
| Series B-1936.....                                                                         | 2½               |                                         | Dec. 15, 1936.....                               | 357,921            |
| Series O-1936.....                                                                         | 2½               |                                         | Apr. 15, 1936.....                               | 558,819            |
| Series D-1936.....                                                                         | 1½               |                                         | Sept. 15, 1936.....                              | 514,065            |
| Series E-1936.....                                                                         | 1½               |                                         | June 15, 1936.....                               | 680,616            |
| Series A-1937.....                                                                         | 3½               |                                         | Sept. 15, 1937.....                              | 817,484            |
| Series B-1937.....                                                                         | 3                |                                         | Apr. 15, 1937.....                               | 502,362            |
| Series O-1937.....                                                                         | 3                |                                         | Feb. 15, 1937.....                               | 428,731            |
| Series A-1938.....                                                                         | 2½               |                                         | Feb. 1, 1938.....                                | 276,680            |
| Series B-1938.....                                                                         | 2½               |                                         | June 15, 1938.....                               | 618,067            |
| Series O-1938.....                                                                         | 3                |                                         | Mar. 15, 1938.....                               | 455,176            |
| Series D-1938.....                                                                         | 2½               |                                         | Sept. 15, 1938.....                              | 590,410            |
| Series A-1939.....                                                                         | 2½               |                                         | June 15, 1939.....                               | 1,293,714          |
| Series B-1939.....                                                                         | 1½               |                                         | Dec. 15, 1939.....                               | 526,233            |
| Series O-1939.....                                                                         | 1½               |                                         | Mar. 15, 1939.....                               | 941,614            |
| Series A-1940.....                                                                         | 1½               |                                         | Mar. 15, 1940.....                               | 1,378,364          |
| Series B-1940.....                                                                         | 1½               |                                         | June 15, 1940.....                               | 738,423            |
| Series O-1940.....                                                                         | 1½               |                                         | Dec. 15, 1940.....                               | 787,151            |
| Civil Service, Foreign Service, and Canal Zone retirement funds. <sup>4</sup>              | 4                | (5)                                     | (5)                                              | 281,630            |
| Postal Savings System series <sup>4</sup> .....                                            | 2                | (5)                                     |                                                  | 100,000            |
| Federal Deposit Insurance Corporation <sup>4</sup> .....                                   | 2                | Dec. 1, 1935.....                       | Dec. 1, 1939.....                                | 100,000            |
| Certificates of indebtedness—Special, adjusted-service certificates fund, series 1936..... | 4                | On demand.....                          | Jan. 1, 1936.....                                | 246,800            |
| Treasury bills (maturity value).....                                                       | 0.052<br>0.253   |                                         | Various dates from Jan. 1 to Sept. 30, 1936..... | 2,404,192          |
| <b>Matured debt on which interest has ceased.....</b>                                      |                  |                                         | <b>On presentation.....</b>                      | <b>294,374</b>     |
| <b>Debt bearing no interest:</b>                                                           |                  |                                         |                                                  |                    |
| United States (legal-tender) notes (\$346,681,000) less gold reserve (\$156,039,000).....  |                  |                                         | do.....                                          | 786,701            |
| Old demand notes.....                                                                      |                  |                                         | do.....                                          | 190,642            |
| National and Federal Reserve bank notes <sup>7</sup> .....                                 |                  |                                         | do.....                                          | 53                 |
| Fractional currency.....                                                                   |                  |                                         | do.....                                          | 540,742            |
| Thrift and Treasury savings stamps.....                                                    |                  |                                         | do.....                                          | 1,982              |
|                                                                                            |                  |                                         |                                                  | 3,282              |

<sup>1</sup> Except where otherwise indicated.

<sup>2</sup> Callable 1 year from date of issue, payable 20 years from date of issue. Redeemable and payable dates for all issues of postal savings bonds outstanding fall within the periods indicated.

<sup>3</sup> At cost or redemption value. Bonds are sold at a discount, payable at par on maturity; they are redeemable at option of holder at any time after 60 days from date of purchase, payable 10 years after date of purchase. Interest rate is approximate yield if held to maturity.

<sup>4</sup> Special issues for investment of funds administered by the Treasury. These issues are redeemable 1 year from date of issue and payable 4 to 5 years from date of issue; they will be outstanding indefinitely in varying amounts.

<sup>5</sup> Maturities various and nominal; see note 4.

<sup>6</sup> Treasury bills are noninterest-bearing short-term securities sold on a discount basis with competitive bids for each issue. The average sales price gives an approximate yield on a bank-discount basis. Yields on all issues outstanding Dec. 31, 1935, ranged between the percents given above.

<sup>7</sup> Assumed by the United States on deposit of lawful money for their retirement.

Source: Reports of the Treasury Department.



# No. 203.—PUBLIC DEBT OF THE UNITED STATES: TRANSACTIONS DURING THE YEARS ENDED JUNE 30, 1930 TO 1935

[In thousands of dollars. "Debt bearing no interest" is amount after deducting gold reserve]

|                                                                 | 1930         | 1931         | 1932         | 1933         | 1934         | 1935         |
|-----------------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Gross debt outstanding at beginning of year.....                | 18, 831, 198 | 18, 185, 308 | 18, 801, 485 | 19, 487, 010 | 22, 538, 872 | 27, 053, 086 |
| Interest-bearing debt.....                                      | 16, 638, 941 | 16, 921, 892 | 16, 519, 589 | 19, 161, 274 | 22, 157, 843 | 26, 480, 488 |
| Matured debt on which interest has ceased.....                  | 50, 751      | 31, 715      | 51, 823      | 80, 087      | 65, 911      | 54, 266      |
| Debt bearing no interest.....                                   | 241, 505     | 231, 701     | 230, 074     | 265, 650     | 315, 118     | 613, 332     |
| Public debt issues.....                                         | 3, 723, 970  | 6, 573, 116  | 9, 634, 226  | 9, 697, 083  | 13, 582, 827 | 13, 125, 791 |
| Pre-war issues.....                                             | 2, 338       | 3, 610       | 13, 872      | 18, 380      | 27, 580      | 25, 710      |
| Certificates of indebtedness.....                               | 3, 201, 502  | 3, 769, 219  | 5, 100, 807  | 2, 560, 223  | 1, 875, 251  | 213, 690     |
| Treasury bills.....                                             | 312, 024     | 1, 059, 761  | 2, 335, 649  | 3, 061, 895  | 4, 385, 975  | 4, 007, 086  |
| Treasury notes.....                                             | 178, 986     | 309, 525     | 1, 810, 807  | 3, 902, 694  | 2, 796, 255  | 4, 911, 170  |
| United States Saving bonds.....                                 | —            | —            | —            | —            | —            | 62, 567      |
| Treasury bonds.....                                             | —            | 1, 415, 636  | 800, 424     | —            | 4, 177, 903  | 3, 351, 393  |
| Treasury (war) savings securities.....                          | 550          | 3            | —            | 2            | 1            | —            |
| National and Fed. Res. bank notes, deposits for retirement..... | 27, 510      | 25, 364      | 73, 067      | 93, 884      | 319, 963     | 554, 277     |
| Public debt redemptions.....                                    | 4, 488, 860  | 5, 956, 941  | 6, 948, 701  | 6, 645, 420  | 9, 068, 514  | 11, 477, 710 |
| Pre-war issues.....                                             | 202          | 72           | 608          | 2, 016       | 2, 242       | 1, 801       |
| Certificates of indebtedness.....                               | 3, 578, 008  | 3, 107, 279  | 4, 172, 352  | 3, 181, 089  | 2, 450, 049  | 1, 698, 370  |
| Treasury bills.....                                             | 150, 046     | 771, 149     | 2, 150, 724  | 2, 719, 362  | 3, 920, 410  | 3, 326, 500  |
| First Liberty loan.....                                         | 5, 597       | 24           | 814          | 2            | 2            | 1, 788, 407  |
| Second Liberty loan.....                                        | 4, 093       | 1, 618       | 913          | —            | 712          | 280          |
| Third Liberty loan.....                                         | 10, 789      | 3, 151       | 1, 447       | 1, 094       | 412          | 456          |
| Fourth Liberty loan.....                                        | 10, 108      | 83           | 113          | 5            | 1, 856, 531  | 3, 077, 696  |
| Victory Liberty loan.....                                       | 280          | 179          | 393          | 162          | 111          | 70           |
| Treasury notes.....                                             | 649, 919     | 2, 045, 999  | 490, 070     | 653, 015     | 645, 457     | 1, 335, 020  |
| Treasury bonds.....                                             | —            | 1            | 94, 270      | 42, 834      | 61, 113      | 565          |
| United States Savings bonds.....                                | —            | —            | —            | —            | —            | 531          |
| Treasury (war) savings securities.....                          | 15, 572      | 585          | 392          | 210          | 143          | 123          |
| National bank and Federal Reserve bank notes, retirements.....  | 37, 276      | 26, 946      | 37, 454      | 44, 383      | 116, 725     | 247, 310     |
| Misc. noninterest-bearing debt.....                             | 1            | 1            | 1            | 2            | 2            | 2            |
| Gross debt outstanding at close of year.....                    | 16, 185, 308 | 16, 801, 485 | 19, 487, 010 | 22, 538, 872 | 27, 053, 086 | 28, 701, 187 |
| Interest-bearing.....                                           | 15, 921, 892 | 16, 519, 589 | 19, 161, 274 | 22, 157, 843 | 26, 480, 488 | 27, 845, 230 |
| Matured debt on which interest has ceased.....                  | 31, 715      | 51, 823      | 80, 087      | 65, 911      | 54, 266      | 230, 663     |
| Debt bearing no interest.....                                   | 231, 701     | 230, 074     | 266, 650     | 315, 118     | 518, 332     | 825, 274     |

## No. 204.—CONTINGENT LIABILITIES OF THE UNITED STATES: PRINCIPAL AMOUNTS OF OBLIGATIONS OUTSTANDING AS OF DECEMBER 31, 1934 AND 1935

[All figures in thousands of dollars]

| Title                                                 | 1934        | 1935        | Title                                                  | 1934        | 1935        |
|-------------------------------------------------------|-------------|-------------|--------------------------------------------------------|-------------|-------------|
| Guaranteed by United States, total <sup>1</sup> ..... | 3, 063, 227 | 4, 494, 290 | Guaranteed by U. S.—Contd.<br>H. O. L. C. bonds—Contd. |             |             |
| Federal Farm, Mortgage Corporation bonds.....         | 979, 813    | 1, 387, 254 | 2 percent, Series E, 1933.....                         | 49, 532     | 49, 532     |
| 2 percent of 1935.....                                | 38, 900     | —           | 1½ percent, Series F, 1939.....                        | —           | 325, 255    |
| 3 percent of 1944-49.....                             | 842, 679    | 862, 086    | 2¼ percent, Series G, 1942.....                        | —           | 30, 951     |
| 5¼ percent of 1944-64.....                            | 98, 034     | 98, 029     | Reconstruction Finance Corporation notes.....          | 249, 337    | 252, 460    |
| 3 percent of 1942-47.....                             | —           | 230, 613    | 2¼ percent, Series E.....                              | 149, 622    | —           |
| 1¼ percent of 1937.....                               | —           | 22, 325     | 2 percent, Series F.....                               | 64, 093     | —           |
| 2¼ percent of 1942-47.....                            | —           | 68, 080     | 3 percent, Series G.....                               | 16, 000     | 16, 000     |
| 1½ percent of 1939.....                               | —           | 100, 122    | 2 percent, Series H.....                               | 19, 622     | 87, 288     |
| Home Owners' Loan Corporation bonds.....              | 1, 834, 277 | 2, 854, 577 | 1½ percent, Series K.....                              | —           | 149, 172    |
| 3 percent, Series A, 1944-52.....                     | 1, 095, 660 | 1, 114, 475 | On credit of United States, total.....                 | 1, 298, 008 | 1, 201, 391 |
| 2¼ percent, Series B, 1936-49.....                    | 589, 506    | 1, 228, 785 | Secretary of Agriculture.....                          | 88, 500     | —           |
| 1½ percent, Series C, 1936.....                       | 49, 736     | 49, 736     | Postal Savings System:                                 |             |             |
| 1¼ percent, Series D, 1937.....                       | 49, 843     | 49, 843     | Funds due depositors <sup>4</sup> .....                | 1, 207, 506 | 1, 201, 391 |
|                                                       |             |             | Other obligations:                                     |             |             |
|                                                       |             |             | Federal reserve notes <sup>5</sup> .....               | 3, 202, 047 | 3, 691, 630 |

<sup>1</sup> Guaranteed as to principal and interest. Accrued interest on these obligations, after deducting funds deposited with the Treasury to meet interest payments, amounted to \$15,579,000 on Dec. 31, 1934, and \$30,479,000 on Dec. 31, 1935.

<sup>2</sup> Does not include notes held by the Treasury and reflected in the public debt amounting to \$3,585,000,000 on December 31, 1934, and \$4,095,000,000 on December 31, 1935.

<sup>3</sup> Funds borrowed by the Secretary of Agriculture upon cotton is his possession or control and secured by warehouse receipts for such cotton.

<sup>4</sup> Offset by assets of the Postal Savings System. As of December 31, 1935, assets included cash in depository banks, \$286,538,000 (secured by the pledge of \$286,738,000 collateral); cash in possession of System, \$92,313,000; Government securities held as investments, \$846,110,000; and miscellaneous items.

<sup>5</sup> In actual circulation. As of December 31, 1935, Federal reserve notes were secured by \$3,970,843,000 in gold certificates, \$127,500,000 in U. S. Government securities, and \$2,715,000 in commercial paper.

Source of tables 203 and 204: Reports of the Treasury Department.

**No. 205.—INDEBTEDNESS OF FOREIGN GOVERNMENTS TO UNITED STATES**

NOTE.—All figures in thousands of dollars. Indebtedness includes accrued interest. The indebtedness of the German Government to the United States on account of costs of the American Army of Occupation and awards of the Mixed Claims Commission is not included. On Dec. 31, 1935, this totaled \$1,232,250,000 (reichmarks converted to dollars at par). Payments by Germany to Dec. 31, 1935, amounted to \$33,588,000

| Country             | Total indebtedness, Dec. 31, 1935 | Payments to Dec. 31, 1935 |           |           | Payments during year ended Dec. 31, 1935 | Amounts not paid according to contract terms, as of Dec. 31, 1935 <sup>1</sup> |                    |                       |        |
|---------------------|-----------------------------------|---------------------------|-----------|-----------|------------------------------------------|--------------------------------------------------------------------------------|--------------------|-----------------------|--------|
|                     |                                   | Total                     | Principal | Interest  |                                          | Total                                                                          | Funding agreements | Moratorium agreements |        |
| Total.....          | 12,437,758                        | 2,747,687                 | 757,400   | 1,990,287 | 398                                      | 970,597                                                                        | 269,558            | 626,178               | 74,895 |
| Armenia.....        | 21,509                            |                           |           |           |                                          | (1)                                                                            |                    |                       |        |
| Austria.....        | 23,822                            | 868                       | 868       |           |                                          | (2)                                                                            |                    |                       |        |
| Belgium.....        | 423,480                           | 52,191                    | 19,158    | 33,034    |                                          | 33,630                                                                         | 12,800             | 18,408                | 2,422  |
| Cuba.....           |                                   | 12,287                    | 10,000    | 2,287     |                                          |                                                                                |                    |                       |        |
| Czechoslovakia..... | 165,483                           | 20,134                    | 19,830    | 304       |                                          | 9,584                                                                          | 8,670              |                       | 914    |
| Estonia.....        | 18,970                            | 1,248                     |           | 1,248     |                                          | 2,612                                                                          | 406                | 1,993                 | 183    |
| Finland.....        | 8,544                             | 4,310                     | 655       | 3,655     | 396                                      |                                                                                |                    |                       |        |
| France.....         | 4,041,152                         | 486,076                   | 226,040   | 260,036   |                                          | 250,292                                                                        | 100,228            | 134,830               | 15,234 |
| Great Britain.....  | 4,950,595                         | 2,024,849                 | 434,182   | 1,590,667 |                                          | 582,803                                                                        | 95,000             | 438,190               | 48,604 |
| Greece.....         | 33,278                            | 3,430                     | 984       | 2,446     |                                          | 4,263                                                                          | 2,606              | 1,282                 | 336    |
| Hungary.....        | 2,189                             | 468                       | 74        | 394       |                                          | 290                                                                            | 51                 | 218                   | 21     |
| Italy.....          | 2,014,066                         | 100,830                   | 37,464    | 63,366    |                                          | 47,853                                                                         | 37,900             | 5,473                 | 4,481  |
| Latvia.....         | 7,808                             | 762                       | 9         | 752       |                                          | 662                                                                            | 184                | 702                   | 76     |
| Liberia.....        |                                   | 36                        | 26        | 10        |                                          |                                                                                |                    |                       |        |
| Lithuania.....      | 6,985                             | 1,238                     | 235       | 1,003     |                                          | 776                                                                            | 124                | 584                   | 68     |
| Nicaragua.....      | 451                               | 189                       | 142       | 27        |                                          | (1)                                                                            |                    |                       |        |
| Poland.....         | 237,391                           | 22,646                    | 1,287     | 21,359    |                                          | 32,536                                                                         | 5,687              | 24,568                | 2,281  |
| Rumania.....        | 63,925                            | 4,791                     | 4,499     | 292       |                                          | 3,844                                                                          | 3,600              |                       | 244    |
| Russia.....         | 356,482                           | 3,759                     |           | 8,750     |                                          | (1)                                                                            |                    |                       |        |
| Yugoslavia.....     | 61,625                            | 2,589                     | 1,953     | 636       |                                          | 1,150                                                                          | 1,150              |                       |        |

<sup>1</sup> Amounts due from Armenia, Nicaragua, and Russia are not included; there have been no funding agreements with these countries.

<sup>2</sup> Payments postponed under provisions of funding and moratorium agreements with Austria.

<sup>3</sup> Represents proceeds of liquidation of financial affairs of Russian Government in this country.

Source: Treasury Department.

**No. 206.—SECURITIES OWNED BY THE UNITED STATES GOVERNMENT, AS OF DEC. 31, 1935**

NOTE.—All figures in thousands of dollars. This statement is made up on the basis of the face value of the securities as received by the United States, with due allowance for repayments. It does not include securities which the United States holds as collateral, or as the result of the investment of trust funds

| Security                                                                                    | Amount     | Security                                                                           | Amount    |
|---------------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|-----------|
| Grand total.....                                                                            | 17,999,780 | Capital stock, etc.—Continued.                                                     |           |
| Foreign obligations.....                                                                    | 12,014,922 | Federal Deposit Insurance Corp'n.....                                              | 150,000   |
| Received under debt settlement.....                                                         | 11,165,717 | Federal Farm Mortgage Corporation.....                                             | 200,000   |
| All other.....                                                                              | 859,205    | Federal home loan banks.....                                                       | 94,196    |
| Capital stock of war emergency corporations: <sup>1</sup>                                   |            | Federal intermediate credit banks (capital stock and paid-in surplus).....         | 100,000   |
| U. S. Shipping Board Merchant Fleet Corporation.....                                        | 50,000     | Federal land banks (capital stock and paid-in surplus).....                        | 214,559   |
| U. S. Housing Corporation.....                                                              | 33,532     | Federal savings and loan associations (preferred and full paid income shares)..... | 48,288    |
| U. S. Spruce Production Corporation.....                                                    | 100        | Federal savings and loan insurance corporation.....                                | 100,000   |
| War Finance Corp'n. (in liquidation).....                                                   | 10         | Fed. Subsistence Homesteads Corp'n.....                                            | 10        |
| Capital stock (except as indicated) of other corporations and credit agencies: <sup>1</sup> |            | Home Owners' Loan Corporation.....                                                 | 100,000   |
| Banks for cooperatives.....                                                                 | 64,000     | Inland Waterways Corporation.....                                                  | 12,000    |
| Central Bank for Cooperatives.....                                                          | 70,000     | Panama Railroad Company.....                                                       | 7,000     |
| Commodity Credit Corporation.....                                                           | 3,000      | Production credit corporations.....                                                | 120,000   |
| Electric Home and Farm Authority.....                                                       | 850        | Reconstruction Finance Corporation (capital stock and notes).....                  | 3,926,958 |
| Export-Import Bank of Washington.....                                                       | 11,000     | R. F. C. Mortgage Company.....                                                     | 10,000    |
| Second Export-Import Bank of Washington.....                                                | 250        | Regional agricultural credit corp'ns.....                                          | 34,500    |

<sup>1</sup> Cash on deposit with the Treasurer of the United States to the credit of all war emergency corporations having such deposits amounted to \$18,279,000, and of all other corporations, to \$227,964,000.

<sup>2</sup> Balance after deducting amounts retired and cash deposited in Treasury on account of repayments on capital stock.

<sup>3</sup> Includes \$10,000,000 Reconstruction Finance Corporation funds.

<sup>4</sup> Reconstruction Finance Corporation funds.

<sup>5</sup> Includes \$40,000,000 Reconstruction Finance Corporation funds.

<sup>6</sup> Home Owners' Loan Corporation funds, acquired from Reconstruction Finance Corporation, made available for capital stock-subscriptions.

<sup>7</sup> Balance after deducting \$100,000,000 expended for subscriptions to capital stock of Federal Savings and Loan Insurance Corporation.

<sup>8</sup> Includes \$45,000,000 Reconstruction Finance Corporation funds.

<sup>9</sup> Balance after deducting funds expended for subscriptions to capital stock of other governmental corporations and funds disbursed to other governmental agencies shown in this statement amounting to \$633,669,000 and \$34,346,000, respectively, which are included in securities shown for the corporations and agencies.

# No. 206.—SECURITIES OWNED BY THE UNITED STATES GOVERNMENT AS OF Dec. 31, 1935—Continued

[All figures in thousands of dollars]

|                                                                                                                                      | Amount  |                                                                                  | Amount  |
|--------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------------------------------------------|---------|
| Railroad obligations.....                                                                                                            | 30,915  | Securities received by U. S. Shipping Bd. on account of sales of ships, etc..... | 111,906 |
| Obligations acquired by Fed. Emergency Administration of Public Works.....                                                           | 188,519 | Obligations of farmers: Feed, seed, and drought-relief loans.....                | 138,441 |
| Notes received by Farm Credit Administration evidencing outstanding advances from the Agricultural Marketing Act revolving fund..... | 115,859 | Crop-production loans.....                                                       | 34,048  |
| Securities received by War and Navy Departments on account of sales of surplus war supplies and property.....                        | 5,489   | Obligations of joint stock land banks.....                                       | 298     |
|                                                                                                                                      |         | Securities received by the Resettlement Administration.....                      | 8,120   |
|                                                                                                                                      |         | Securities received by Rural Electrification Administration.....                 | 10      |

<sup>1</sup> Reconstruction Finance Corporation funds.

# No. 207.—TAX-EXEMPT SECURITIES: AMOUNTS OUTSTANDING, INTEREST ON WHICH IS WHOLLY OR PARTIALLY EXEMPT FROM FEDERAL INCOME TAXES

NOTE.—In millions of dollars. Data are revised figures as of June 30

| Interest exempt from normal income tax and surtax (estimated amounts) |                          |                                |                  |                             |                                       |                                     |                                |                  |                             |                                       |
|-----------------------------------------------------------------------|--------------------------|--------------------------------|------------------|-----------------------------|---------------------------------------|-------------------------------------|--------------------------------|------------------|-----------------------------|---------------------------------------|
| June 30—                                                              | Total outstanding issues |                                |                  |                             |                                       | Net outstanding issues <sup>1</sup> |                                |                  |                             |                                       |
|                                                                       | Total                    | States, counties, cities, etc. | U. S. Government | Territories and possessions | Federal farm loan system <sup>2</sup> | Total                               | States, counties, cities, etc. | U. S. Government | Territories and possessions | Federal farm loan system <sup>2</sup> |
| 1913.....                                                             | 5,531                    | 4,528                          | 966              | 37                          | -----                                 | 4,889                               | 3,887                          | 966              | 36                          | -----                                 |
| 1914.....                                                             | 5,954                    | 4,949                          | 968              | 37                          | -----                                 | 5,245                               | 4,242                          | 967              | 36                          | -----                                 |
| 1915.....                                                             | 6,427                    | 5,417                          | 970              | 40                          | -----                                 | 5,552                               | 4,544                          | 969              | 39                          | -----                                 |
| 1916.....                                                             | 6,887                    | 5,875                          | 972              | 40                          | -----                                 | 6,068                               | 5,049                          | 970              | 39                          | -----                                 |
| 1917.....                                                             | 9,045                    | 6,290                          | 2,713            | 46                          | -----                                 | 8,127                               | 6,371                          | 2,711            | 46                          | -----                                 |
| 1918.....                                                             | 9,187                    | 6,643                          | 2,387            | 46                          | -----                                 | 8,104                               | 6,322                          | 2,383            | 45                          | 54                                    |
| 1919.....                                                             | 10,159                   | 7,042                          | 2,796            | 47                          | 274                                   | 8,925                               | 6,951                          | 2,791            | 46                          | 137                                   |
| 1920.....                                                             | 11,308                   | 7,746                          | 3,112            | 49                          | 401                                   | 10,535                              | 6,645                          | 3,105            | 48                          | 137                                   |
| 1921.....                                                             | 11,922                   | 8,476                          | 2,635            | 61                          | 450                                   | 10,510                              | 7,268                          | 2,927            | 57                          | 235                                   |
| 1922.....                                                             | 12,904                   | 9,893                          | 2,294            | 77                          | 736                                   | 11,368                              | 8,415                          | 2,286            | 76                          | 207                                   |
| 1923.....                                                             | 14,074                   | 10,568                         | 2,294            | 120                         | 1,062                                 | 12,378                              | 9,015                          | 2,285            | 118                         | 960                                   |
| 1924.....                                                             | 15,290                   | 11,633                         | 2,294            | 132                         | 1,231                                 | 13,459                              | 9,921                          | 2,284            | 125                         | 1,128                                 |
| 1925.....                                                             | 16,645                   | 12,830                         | 2,175            | 134                         | 1,506                                 | 14,649                              | 10,975                         | 2,165            | 125                         | 1,584                                 |
| 1926.....                                                             | 17,035                   | 13,694                         | 2,164            | 146                         | 1,659                                 | 15,487                              | 11,672                         | 2,154            | 133                         | 1,628                                 |
| 1927.....                                                             | 18,844                   | 14,736                         | 2,164            | 156                         | 1,789                                 | 16,587                              | 12,610                         | 2,154            | 138                         | 1,685                                 |
| 1928.....                                                             | 19,891                   | 15,699                         | 2,166            | 160                         | 1,866                                 | 17,615                              | 13,462                         | 2,155            | 146                         | 1,702                                 |
| 1929.....                                                             | 20,958                   | 16,760                         | 2,168            | 163                         | 1,867                                 | 18,423                              | 14,358                         | 2,157            | 146                         | 1,702                                 |
| 1930.....                                                             | 23,789                   | 17,985                         | 3,764            | 169                         | 1,871                                 | 21,346                              | 15,387                         | 3,540            | 154                         | 1,766                                 |
| 1931.....                                                             | 25,631                   | 19,685                         | 4,643            | 165                         | 1,885                                 | 23,768                              | 17,457                         | 4,384            | 145                         | 1,779                                 |
| 1932.....                                                             | 28,623                   | 19,168                         | 7,046            | 162                         | 1,780                                 | 26,409                              | 17,628                         | 6,771            | 136                         | 1,674                                 |
| 1933.....                                                             | 31,092                   | 19,107                         | 10,133           | 158                         | 1,604                                 | 28,556                              | 17,072                         | 9,765            | 131                         | 1,588                                 |
| 1934.....                                                             | 33,474                   | 18,942                         | 12,194           | 151                         | 2,187                                 | 30,400                              | 16,771                         | 11,645           | 123                         | 1,870                                 |
| 1935.....                                                             | 36,387                   | 19,277                         | 13,565           | 146                         | 2,399                                 | 31,285                              | 16,895                         | 12,801           | 118                         | 1,471                                 |

| Interest exempt from normal tax but not from surtax |                                                    |                                     |           |                          |                  |                                    |                                     |                  |                                    |       |
|-----------------------------------------------------|----------------------------------------------------|-------------------------------------|-----------|--------------------------|------------------|------------------------------------|-------------------------------------|------------------|------------------------------------|-------|
| June 30—                                            | Total outstanding issues, U. S. Gov't <sup>3</sup> | Net outstanding issues <sup>3</sup> | June 30—  | Total outstanding issues |                  |                                    | Net outstanding issues <sup>1</sup> |                  |                                    |       |
|                                                     |                                                    |                                     |           | Total                    | U. S. Government | Governmental agencies <sup>4</sup> | Total                               | U. S. Government | Governmental agencies <sup>4</sup> |       |
| 1918.....                                           | 9,599                                              | 9,560                               | 1927..... | 16,087                   | 16,087           | -----                              | 15,358                              | 15,358           | -----                              | ----- |
| 1919.....                                           | 22,439                                             | 22,313                              | 1928..... | 16,152                   | 16,152           | -----                              | 14,867                              | 14,867           | -----                              | ----- |
| 1920.....                                           | 20,949                                             | 20,756                              | 1929..... | 14,471                   | 14,471           | -----                              | 13,016                              | 13,016           | -----                              | ----- |
| 1921.....                                           | 20,803                                             | 20,491                              | 1930..... | 12,158                   | 12,158           | -----                              | 11,429                              | 11,429           | -----                              | ----- |
| 1922.....                                           | 20,417                                             | 20,076                              | 1931..... | 11,876                   | 11,876           | -----                              | 11,714                              | 11,714           | -----                              | ----- |
| 1923.....                                           | 19,714                                             | 19,351                              | 1932..... | 12,466                   | 12,116           | 350                                | 11,902                              | 11,902           | -----                              | ----- |
| 1924.....                                           | 18,688                                             | 18,343                              | 1933..... | 15,610                   | 12,025           | 1,585                              | 11,848                              | 11,848           | -----                              | ----- |
| 1925.....                                           | 18,036                                             | 17,572                              | 1934..... | 18,834                   | 14,280           | 4,548                              | 14,874                              | 13,678           | -----                              | 1,196 |
| 1926.....                                           | 17,220                                             | 16,635                              | 1935..... | 21,569                   | 14,081           | 7,778                              | 17,135                              | 13,336           | -----                              | 3,799 |

<sup>1</sup> Excludes amounts held in U. S. Government trust funds or owned by U. S. Government or by governmental agencies and also, for States, counties, cities, etc., and Territories and possessions, amounts held in sinking funds. The United States and its agencies issuing this type of bonds maintain no sinking fund in which bonds are held alive.

<sup>2</sup> Includes Federal land bank bonds (those issued by individual banks and the consolidated series), Federal intermediate credit bank debentures, and joint stock land bank bonds. Does not include stocks.

<sup>3</sup> No securities of this type were outstanding prior to 1918.

<sup>4</sup> Reconstruction Finance Corporation, Home Owners' Loan Corporation, and Federal Farm Mortgage Corporation.

Source of tables 206 and 207: Reports of the Treasury Department.

# 10. STATE AND LOCAL GOVERNMENT FINANCES

## No. 208.—REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS AND DEBT: ALL CLASSES OF GOVERNMENT ORGANIZATIONS IN THE UNITED STATES

[Total amounts in millions and tenths of millions of dollars; per capita in dollars]

|                                             | Aggregate |            | National Government   |            | States  |            | Counties |            | Cities, towns, villages, and boroughs |                    | All other civil divisions <sup>1</sup> |
|---------------------------------------------|-----------|------------|-----------------------|------------|---------|------------|----------|------------|---------------------------------------|--------------------|----------------------------------------|
|                                             | Total     | Per capita | Total                 | Per capita | Total   | Per capita | Total    | Per capita | Total                                 | Per capita         |                                        |
| <b>Revenue receipts:</b>                    |           |            |                       |            |         |            |          |            |                                       |                    |                                        |
| 1912.....                                   | 2,789.9   | 28.74      | <sup>1</sup> 953.6    | 9.82       | 367.6   | 3.80       | 370.0    | 4.32       | <sup>2</sup> 1,098.7                  | <sup>2</sup> 24.33 | ( <sup>1</sup> )                       |
| 1932.....                                   | 11,477.3  | 92.18      | <sup>2</sup> 2,625.3  | 20.97      | 2,207.9 | 17.83      | 1,313.8  | 11.99      | 3,373.6                               | 42.64              | 1,956.6                                |
| <b>Governmental-cost payments:</b>          |           |            |                       |            |         |            |          |            |                                       |                    |                                        |
| 1912.....                                   | 2,957.4   | 30.46      | <sup>1</sup> 952.6    | 9.81       | 382.6   | 3.95       | 385.2    | 4.49       | <sup>2</sup> 1,237.1                  | <sup>2</sup> 27.40 | ( <sup>1</sup> )                       |
| 1932.....                                   | 13,469.2  | 108.18     | <sup>2</sup> 3,906.6  | 31.20      | 2,505.8 | 20.24      | 1,411.8  | 12.88      | 3,594.6                               | 45.32              | 2,050.3                                |
| <b>Gross debt less sinking fund assets:</b> |           |            |                       |            |         |            |          |            |                                       |                    |                                        |
| 1902.....                                   | 2,838.9   | 35.93      | <sup>1</sup> 969.5    | 12.22      | 239.4   | 3.03       | 196.6    | 2.80       | 1,346.8                               | ( <sup>1</sup> )   | 86.7                                   |
| 1912.....                                   | 4,860.5   | 49.97      | <sup>1</sup> 1,028.6  | 10.59      | 345.9   | 3.57       | 371.5    | 4.33       | 2,871.6                               | 54.29              | 232.7                                  |
| 1922.....                                   | 30,845.6  | 283.70     | <sup>2</sup> 22,155.9 | 203.78     | 935.5   | 8.84       | 1,273.3  | 13.19      | 4,079.4                               | 71.26              | 1,801.5                                |
| 1932.....                                   | 39,411.4  | 315.53     | <sup>2</sup> 21,834.6 | 174.40     | 2,361.0 | 19.07      | 2,390.8  | 21.82      | 8,892.2                               | 111.45             | 3,982.9                                |

<sup>1</sup> Independent school districts, townships, bridge, dike, drainage, irrigation, road, etc., districts.

<sup>2</sup> Data for years ended June 30, 1913 and 1933. Postal revenues and postal expenditures chargeable against them are included in receipts and expenditures, respectively. Further differences between figures in this table and totals in Tables 170 to 174 are as follows: Receipts here shown exclude trust funds and other nonrevenue receipts while expenditures exclude public debt retirements, trust funds, District of Columbia, refunds of customs and internal revenue and other non-governmental costs.

<sup>3</sup> Cities, towns, etc., with a population of 2,500 and over; comparable data for 1932 are: Revenue receipts, \$3,221,900,000 (per capita, \$45.99); governmental-cost payments, \$3,449,600,000 (per capita, \$49.24).

<sup>4</sup> Not available.

<sup>5</sup> Gross debt less cash in Treasury as of June 30 following the year stated in stub.

## No. 209.—REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF STATE AND LOCAL GOVERNMENTS, 1932

NOTE.—All figures, except per capita, in thousands of dollars. Data are for the fiscal year closing between July 1, 1931, and June 30, 1932, except for a few States for which June 30, 1931, figures were used

|                                                                     | States    | Counties         | Cities, towns, villages, boroughs | Other local      |
|---------------------------------------------------------------------|-----------|------------------|-----------------------------------|------------------|
| <b>Revenue receipts, total.....</b>                                 | 2,207,985 | 1,313,832        | 3,373,594                         | 1,956,566        |
| Per capita.....                                                     | \$17.88   | \$11.99          | \$42.64                           | ( <sup>1</sup> ) |
| <b>From taxes, total.....</b>                                       | 1,641,850 | 1,020,835        | 2,251,289                         | 1,443,773        |
| General property.....                                               | 328,477   | 877,142          | 2,057,495                         | 1,426,670        |
| Inheritance.....                                                    | 143,959   | 1,547            | 3,648                             | 202              |
| Income.....                                                         | 47,852    | 1,591            | 49,600                            | 2,682            |
| All other special.....                                              | 141,856   | 3,193            | 19,304                            | 2,647            |
| Poll.....                                                           | 5,321     | 5,312            | 4,607                             | 3,218            |
| Licenses and permits.....                                           | 979,385   | 182,050          | 116,635                           | 8,294            |
| <b>Special assessments.....</b>                                     | 26,060    | 32,146           | 226,430                           | 36,529           |
| Fines, forfeits, and escheats.....                                  | 5,833     | 10,314           | 19,421                            | 745              |
| Subventions and grants.....                                         | 249,232   | 189,077          | 137,768                           | 341,726          |
| Donations, gifts, and pension assessments.....                      | 32,034    | 2,334            | 33,303                            | 2,607            |
| Highway privileges, rents, and interest.....                        | 87,966    | 19,149           | 130,951                           | 18,010           |
| Earnings of general departments.....                                | 154,701   | 88,955           | 87,416                            | 80,809           |
| Earnings of public service enterprises.....                         | 10,179    | 821              | 487,001                           | 81,997           |
| <b>Governmental-cost payments, total.....</b>                       | 2,506,835 | 1,411,828        | 3,594,647                         | 2,050,307        |
| Per capita.....                                                     | \$20.24   | \$13.88          | \$45.32                           | ( <sup>1</sup> ) |
| <b>Operation and maintenance of general departments.....</b>        | 1,501,393 | 981,192          | 2,070,192                         | 1,406,331        |
| General government.....                                             | 123,353   | 251,150          | ( <sup>3</sup> )                  | ( <sup>2</sup> ) |
| Protection to person and property.....                              | 85,875    | 44,281           | ( <sup>3</sup> )                  | ( <sup>2</sup> ) |
| Health and sanitation.....                                          | 37,292    | 32,775           | ( <sup>3</sup> )                  | ( <sup>2</sup> ) |
| Highways.....                                                       | 235,690   | 235,350          | ( <sup>3</sup> )                  | ( <sup>2</sup> ) |
| Charities, hospitals, and corrections.....                          | 274,920   | 132,120          | ( <sup>3</sup> )                  | ( <sup>2</sup> ) |
| Schools.....                                                        | 602,065   | 178,406          | ( <sup>3</sup> )                  | ( <sup>2</sup> ) |
| Libraries.....                                                      | 2,405     | 3,772            | ( <sup>3</sup> )                  | ( <sup>2</sup> ) |
| Recreation.....                                                     | 5,054     | 7,618            | ( <sup>3</sup> )                  | ( <sup>2</sup> ) |
| Development and conservation of natural resources.....              | 72,965    | ( <sup>3</sup> ) | ( <sup>3</sup> )                  | ( <sup>2</sup> ) |
| Miscellaneous.....                                                  | 57,794    | 44,767           | ( <sup>3</sup> )                  | ( <sup>2</sup> ) |
| <b>Operation and maintenance of public service enterprises.....</b> | 6,330     | 489              | 282,891                           | 18,234           |
| Interest.....                                                       | 112,268   | 118,875          | 424,139                           | 188,596          |
| Outlays.....                                                        | 885,564   | 311,270          | 817,425                           | 347,146          |

<sup>1</sup> Not computed.

<sup>2</sup> Not available.

Source of tables 208 and 209: Bureau of the Census, Department of Commerce.

## No. 210.—REVENUES AND EXPENDITURES OF STATE GOVERNMENTS

NOTE.—Both receipts and expenditures are net figures, excluding temporary and special transactions which represent virtually duplication. Revenue receipts do not include any receipts from borrowing of money. Outlays, which enter into the total for governmental-cost payments, represent capital investments, including those made with the proceeds of borrowed money. The excess of governmental-cost payments over revenue receipts represents, approximately, increase of indebtedness.

|                                                   | 1930                                     |                                 |                             | 1931                                     |                                 |                             | 1932 <sup>1</sup>                        |                                 |                             |
|---------------------------------------------------|------------------------------------------|---------------------------------|-----------------------------|------------------------------------------|---------------------------------|-----------------------------|------------------------------------------|---------------------------------|-----------------------------|
|                                                   | Amount<br>(thou-<br>sands of<br>dollars) | Per<br>capita<br>(dol-<br>lars) | Per-<br>cent<br>of<br>total | Amount<br>(thou-<br>sands of<br>dollars) | Per<br>capita<br>(dol-<br>lars) | Per-<br>cent<br>of<br>total | Amount<br>(thou-<br>sands of<br>dollars) | Per<br>capita<br>(dol-<br>lars) | Per-<br>cent<br>of<br>total |
| Revenue receipts, total                           | 2,843,110                                | 13.88                           | 100.0                       | 2,324,522                                | 18.87                           | 100.0                       | 2,207,935                                | 17.83                           | 100.0                       |
| From taxes                                        | 1,780,339                                | 14.59                           | 79.4                        | 1,778,484                                | 14.43                           | 76.5                        | 1,641,850                                | 13.26                           | 74.4                        |
| General property                                  | 345,137                                  | 2.83                            | 15.4                        | 371,410                                  | 3.01                            | 16.0                        | 323,477                                  | 2.61                            | 14.7                        |
| Special property                                  | 66,451                                   | .79                             | 4.3                         | 112,216                                  | .91                             | 4.8                         | (2)                                      | (2)                             | (2)                         |
| Inheritance                                       | 180,794                                  | 1.48                            | 8.1                         | 182,653                                  | 1.48                            | 7.9                         | 143,959                                  | 1.16                            | 6.5                         |
| Income                                            | 76,530                                   | .63                             | 3.4                         | 51,059                                   | .41                             | 2.2                         | 47,852                                   | .39                             | 2.2                         |
| Other special taxes                               | 70,098                                   | .57                             | 3.1                         | 41,831                                   | .34                             | 1.8                         | 141,856                                  | 1.15                            | 6.4                         |
| Poll taxes                                        | 4,068                                    | .03                             | .2                          | 5,450                                    | .04                             | .2                          | 5,321                                    | .04                             | .2                          |
| Motor fuel                                        | 309,523                                  | 3.27                            | 17.8                        | 423,397                                  | 3.44                            | 18.2                        |                                          |                                 |                             |
| Motor vehicle licenses                            | 296,424                                  | 2.43                            | 13.2                        | 281,517                                  | 2.23                            | 12.1                        | 979,385                                  | 7.91                            | 44.4                        |
| All other licenses                                | 311,279                                  | 2.56                            | 13.9                        | 308,952                                  | 2.51                            | 13.3                        |                                          |                                 |                             |
| Special assessments                               | 26,427                                   | .22                             | 1.2                         | 24,699                                   | .20                             | 1.1                         | 26,080                                   | .21                             | 1.2                         |
| Fines, forfeits, and escheats                     | 7,918                                    | .06                             | .4                          | 7,081                                    | .06                             | .3                          | 5,833                                    | .05                             | .3                          |
| Subventions, donations, and pension assessments   | 150,155                                  | 1.23                            | 6.7                         | 242,623                                  | 1.97                            | 10.4                        | 281,316                                  | 2.27                            | 12.7                        |
| Interest, rents, and highway privileges           | 102,216                                  | .84                             | 4.6                         | 95,440                                   | .77                             | 4.1                         | 87,996                                   | .71                             | 4.0                         |
| Earnings of general departments                   | 157,098                                  | 1.20                            | 7.0                         | 153,712                                  | 1.29                            | 6.8                         | 154,701                                  | 1.25                            | 7.0                         |
| Earnings of public-service enterprises            | 18,367                                   | .15                             | .8                          | 17,477                                   | .14                             | .8                          | 10,179                                   | .08                             | .6                          |
| Governmental-cost payments, total                 | 2,290,270                                | 18.78                           | 100.0                       | 2,508,744                                | 20.36                           | 100.0                       | 2,505,835                                | 20.24                           | 100.0                       |
| Operation and maintenance                         | 1,400,085                                | 11.48                           | 61.1                        | 1,456,083                                | 11.82                           | 58.0                        | 1,507,723                                | 12.18                           | 60.2                        |
| General departments                               | 1,300,505                                | 11.40                           | 60.7                        | 1,447,286                                | 11.75                           | 57.7                        | 1,501,393                                | 12.12                           | 59.5                        |
| General government                                | 110,300                                  | .90                             | 4.8                         | 126,637                                  | 1.03                            | 5.0                         | 123,333                                  | 1.00                            | 4.9                         |
| Protection to person and property                 | 79,538                                   | .65                             | 3.5                         | 84,117                                   | .69                             | 3.4                         | 86,875                                   | .70                             | 3.5                         |
| Development and conservation of natural resources | 74,366                                   | .61                             | 3.2                         | 74,538                                   | .61                             | 3.0                         | 72,905                                   | .59                             | 2.9                         |
| Health and sanitation                             | 33,588                                   | .28                             | 1.5                         | 36,894                                   | .30                             | 1.5                         | 37,292                                   | .30                             | 1.5                         |
| Highways                                          | 251,311                                  | 2.05                            | 11.0                        | 239,873                                  | 1.95                            | 9.6                         | 235,660                                  | 1.90                            | 9.4                         |
| Charities, hospitals, and corrections             | 223,679                                  | 1.83                            | 9.8                         | 230,200                                  | 1.87                            | 9.2                         | 274,920                                  | 2.22                            | 11.0                        |
| Education                                         | 557,967                                  | 4.57                            | 24.4                        | 591,555                                  | 4.80                            | 23.6                        | 604,470                                  | 4.88                            | 24.1                        |
| Recreation                                        | 5,546                                    | .05                             | .2                          | 6,350                                    | .05                             | .3                          | 8,054                                    | .07                             | .3                          |
| Miscellaneous                                     | 54,220                                   | .45                             | 2.4                         | 57,116                                   | .46                             | 2.3                         | 57,794                                   | .47                             | 2.3                         |
| Public-service enterprises                        | 9,500                                    | .08                             | .4                          | 8,797                                    | .07                             | .4                          | 6,330                                    | .05                             | .3                          |
| Interest                                          | 101,431                                  | .83                             | 4.4                         | 110,821                                  | .90                             | 4.4                         | 112,258                                  | .91                             | 4.5                         |
| Outlays                                           | 738,774                                  | 6.47                            | 34.4                        | 941,840                                  | 7.64                            | 37.5                        | 885,854                                  | 7.16                            | 35.4                        |
| Highway construction                              | 635,203                                  | 5.21                            | 27.7                        | 767,535                                  | 6.15                            | 30.2                        |                                          |                                 |                             |
| All other                                         | 153,571                                  | 1.26                            | 6.7                         | 184,005                                  | 1.49                            | 7.3                         |                                          |                                 |                             |

<sup>1</sup> Includes 1931 figures for 18 States (see Table 215).

<sup>2</sup> "Other special taxes" includes special property.

## No. 211.—REVENUES AND EXPENDITURES OF STATE GOVERNMENTS

NOTE.—All figures in thousands of dollars. See headnote, Table 209

| Year              | Revenue receipts, total | Governmental-cost payments |                                      |                           |          | Outlays for permanent improvements |
|-------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|----------|------------------------------------|
|                   |                         | Total                      | Operation, maintenance, and interest |                           |          |                                    |
|                   |                         |                            | Total                                | Operation and maintenance | Interest |                                    |
| 1916              | 458,233                 | 494,907                    | 399,714                              | 381,108                   | 18,546   | 95,193                             |
| 1919              | 575,217                 | 640,403                    | 599,258                              | 545,178                   | 24,080   | 71,145                             |
| 1922              | 1,159,527               | 1,280,320                  | 962,275                              | 920,967                   | 41,308   | 315,045                            |
| 1925              | 1,055,495               | 1,614,538                  | 1,120,180                            | 1,049,310                 | 76,870   | 488,358                            |
| 1928              | 1,935,432               | 1,889,173                  | 1,304,650                            | 1,217,721                 | 86,929   | 524,522                            |
| 1929              | 2,069,327               | 2,031,017                  | 1,402,011                            | 1,307,874                 | 94,137   | 559,006                            |
| 1930              | 2,243,110               | 2,290,270                  | 1,501,496                            | 1,400,995                 | 101,431  | 788,774                            |
| 1931              | 2,324,522               | 2,508,744                  | 1,566,904                            | 1,456,083                 | 110,821  | 941,840                            |
| 1932 <sup>1</sup> | 2,207,935               | 2,505,835                  | 1,619,981                            | 1,507,723                 | 112,258  | 885,854                            |

<sup>1</sup> Includes 1931 figures for 18 States.

Source of tables 210 and 211: Bureau of the Census, Department of Commerce.

No. 212.—STATE REVENUES AND EXPENDITURES PER CAPITA

| Year              | Per capita revenue receipts |            |                        | Per capita governmental-cost payments for operation, maintenance, and interest |                               |              |
|-------------------|-----------------------------|------------|------------------------|--------------------------------------------------------------------------------|-------------------------------|--------------|
|                   | Total                       | From taxes | From all other revenue | Total                                                                          | For operation and maintenance | For interest |
| 1915              | \$4.66                      | \$3.71     | \$0.94                 | \$4.06                                                                         | \$3.87                        | \$0.19       |
| 1919              | 6.43                        | 5.02       | 1.40                   | 5.42                                                                           | 5.18                          | .23          |
| 1922              | 10.71                       | 7.93       | 2.79                   | 8.89                                                                           | 8.50                          | .38          |
| 1926              | 14.29                       | 10.91      | 3.37                   | 9.72                                                                           | 9.06                          | .66          |
| 1928              | 16.31                       | 12.70      | 3.61                   | 10.99                                                                          | 10.26                         | .73          |
| 1929              | 17.11                       | 13.39      | 3.72                   | 11.65                                                                          | 10.87                         | .78          |
| 1930              | 18.39                       | 14.59      | 3.79                   | 12.31                                                                          | 11.48                         | .83          |
| 1931              | 18.87                       | 14.43      | 4.43                   | 12.72                                                                          | 11.62                         | .90          |
| 1932 <sup>1</sup> | 17.83                       | 13.26      | 4.57                   | 13.09                                                                          | 12.18                         | .91          |

<sup>1</sup> Includes 1931 figures for 18 States (see Table 216).

No. 213.—ASSESSED VALUATION OF PROPERTY SUBJECT TO GENERAL PROPERTY TAX

NOTE.—Property belonging to railroads, telegraph companies, and a number of similar corporations is in some States distinguished as real or personal, but in a number of States it is treated as a single total. In the latter case, figures for such corporations and also other property and franchise valuations of corporations for which data were insufficient for a complete distinction of real from personal are not shown separately but are included in the totals. Figures do not show the relative wealth of the different States owing to differences in the bases of assessments and practices thereunder

[All figures in millions of dollars]

| Division and State | 1922, total | 1932               |               |                   | Division and State  | 1922, total | 1932               |               |                   |
|--------------------|-------------|--------------------|---------------|-------------------|---------------------|-------------|--------------------|---------------|-------------------|
|                    |             | Total <sup>1</sup> | Real property | Personal property |                     |             | Total <sup>1</sup> | Real property | Personal property |
| Grand total        | 128,441     | 161,472            | 124,706       | 29,897            | South Atlantic—Con. |             |                    |               |                   |
| New England        | 10,250      | 13,918             | 11,621        | 2,188             | Virginia            | 1,826       | 2,353              | 1,178         | 964               |
| Maine              | 637         | 757                | 641           | 116               | West Virginia       | 2,093       | 1,878              | 1,010         | 296               |
| New Hampshire      | 618         | 679                | 556           | 67                | North Carolina      | 2,521       | 2,831              | 2,096         | 466               |
| Vermont            | 307         | 441                | 246           | 142               | South Carolina      | 436         | 2,408              | 212           | 196               |
| Massachusetts      | 5,678       | 7,443              | 6,384         | 1,059             | Georgia             | 1,192       | 1,268              | 753           | 297               |
| Rhode Island       | 1,047       | 1,447              | 984           | 463               | Florida             | 421         | 520                | 405           | 51                |
| Connecticut        | 1,963       | 3,161              | 2,810         | 341               | East South Central  | 5,787       | 6,627              | 4,098         | 1,918             |
| Middle Atlantic    | 29,260      | 49,142             | 44,070        | 4,566             | Kentucky            | 2,404       | 3,060              | 1,562         | 1,498             |
| New York           | 15,391      | 29,560             | 29,182        | 378               | Tennessee           | 1,731       | 1,664              | 1,285         | 114               |
| New Jersey         | 4,102       | 6,819              | 5,451         | 852               | Alabama             | 944         | 1,211              | 775           | 194               |
| Pennsylvania       | 9,767       | 12,763             | 9,437         | 3,326             | Mississippi         | 708         | 692                | 474           | 110               |
| East North Central | 30,669      | 39,132             | 28,898        | 6,589             | West South Central  | 7,209       | 8,216              | 5,671         | 2,237             |
| Ohio               | 10,407      | 13,453             | 9,376         | 4,077             | Arkansas            | 578         | 555                | 388           | 187               |
| Indiana            | 5,226       | 5,073              | 3,785         | 1,288             | Louisiana           | 1,562       | 1,666              | 1,068         | 568               |
| Illinois           | 4,000       | 7,299              | 5,064         | 1,479             | Oklahoma            | 1,687       | 1,754              | 1,094         | 252               |
| Michigan           | 5,930       | 8,293              | 6,542         | 1,313             | Texas               | 3,382       | 4,241              | 2,991         | 1,250             |
| Wisconsin          | 5,106       | 5,074              | 3,932         | 432               | Mountain            | 4,748       | 4,589              | 2,903         | 969               |
| West North Central | 18,798      | 17,292             | 12,046        | 4,067             | Montana             | 461         | 411                | 235           | 77                |
| Minnesota          | 2,354       | 2,308              | 1,680         | 628               | Idaho               | 478         | 2,428              | 288           | 23                |
| Iowa               | 1,766       | 1,464              | 763           | 615               | Wyoming             | 366         | 2,419              | 224           | 78                |
| Missouri           | 4,633       | 4,789              | 3,519         | 791               | Colorado            | 1,551       | 1,447              | 917           | 530               |
| North Dakota       | 1,308       | 880                | 613           | 267               | New Mexico          | 330         | 334                | 146           | 45                |
| South Dakota       | 1,977       | 1,509              | 1,136         | 373               | Arizona             | 734         | 675                | 585           | 90                |
| Nebraska           | 3,203       | 2,676              | 1,975         | 701               | Utah                | 630         | 618                | 332           | 85                |
| Kansas             | 3,555       | 3,666              | 2,360         | 692               | Nevada              | 196         | 2,207              | 176           | 31                |
| South Atlantic     | 10,401      | 12,312             | 7,899         | 3,079             | Pacific             | 6,323       | 10,294             | 7,801         | 2,306             |
| Delaware           | 227         | 292                | 292           | ( <sup>2</sup> )  | Washington          | 1,112       | 1,250              | 1,021         | 229               |
| Maryland           | 1,686       | 2,762              | 1,953         | 809               | Oregon              | 1,010       | 1,093              | 802           | 104               |
|                    |             |                    |               |                   | California          | 4,201       | 7,961              | 5,978         | 1,973             |

<sup>1</sup> See headnote.

<sup>2</sup> Data for 1931.

<sup>3</sup> Valuation of personal property included with that of real property.

Source of tables 212 and 213: Bureau of the Census, Department of Commerce,

## No. 214.—LOCAL GOVERNMENT FINANCES: REVENUE

[All figures, except per capita,

| Division and State         | All local <sup>1</sup> |            |            |                  |                            |            |                                      | Counties         |            |
|----------------------------|------------------------|------------|------------|------------------|----------------------------|------------|--------------------------------------|------------------|------------|
|                            | Revenue receipts       |            |            |                  | Governmental-cost payments |            |                                      | Revenue receipts |            |
|                            | Total                  | Per capita | From taxes |                  | Total                      | Per capita | Operation, maintenance, and interest | Total            | Per capita |
|                            |                        |            | Total      | General property |                            |            |                                      |                  |            |
| 1 Grand total.....         | 6,643,982              | \$55.38    | 4,715,897  | 4,361,307        | 7,058,780                  | \$56.68    | 5,580,939                            | 1,313,832        | \$11.99    |
| 2 New England.....         | 508,457                | 61.88      | 411,739    | 364,045          | 551,376                    | 68.88      | 439,536                              | 17,149           | 2.57       |
| 3 Maine.....               | 33,988                 | 42.49      | 25,146     | 24,011           | 36,944                     | 46.18      | 20,375                               | 1,961            | 2.45       |
| 4 New Hampshire.....       | 26,614                 | 56.87      | 21,410     | 19,275           | 24,870                     | 53.14      | 21,012                               | 1,805            | 3.86       |
| 5 Vermont.....             | 14,146                 | 39.29      | 10,084     | 9,996            | 14,265                     | 39.63      | 12,207                               | 73               | 2.20       |
| 6 Massachusetts.....       | 309,959                | 72.26      | 252,171    | 212,413          | 339,096                    | 79.04      | 256,827                              | 11,396           | 3.35       |
| 7 Rhode Island.....        | 32,939                 | 47.35      | 26,561     | 26,250           | 38,717                     | 55.63      | 29,069                               |                  |            |
| 8 Connecticut.....         | 90,751                 | 55.68      | 70,367     | 72,101           | 97,485                     | 59.81      | 82,046                               | 1,916            | 1.17       |
| 9 Middle Atlantic.....     | 1,923,176              | 72.12      | 1,407,208  | 1,317,835        | 2,210,898                  | 82.90      | 1,653,038                            | 207,806          | 11.80      |
| 10 New York.....           | 1,131,165              | 88.29      | 844,738    | 777,300          | 1,277,196                  | 99.69      | 945,031                              | 86,587           | 15.13      |
| 11 New Jersey.....         | 335,288                | 81.14      | 213,854    | 200,163          | 417,468                    | 101.03     | 306,325                              | 67,676           | 13.96      |
| 12 Pennsylvania.....       | 456,723                | 46.97      | 348,616    | 340,372          | 516,234                    | 53.09      | 402,682                              | 63,542           | 8.20       |
| 13 East North Central..... | 1,584,389              | 61.68      | 1,106,983  | 1,040,889        | 1,565,278                  | 61.72      | 1,254,000                            | 307,745          | 11.98      |
| 14 Ohio.....               | 418,206                | 62.08      | 301,392    | 273,928          | 416,417                    | 61.81      | 324,548                              | 90,609           | 13.45      |
| 15 Indiana.....            | 193,137                | 49.89      | 127,632    | 125,802          | 158,878                    | 48.59      | 131,780                              | 32,830           | 10.04      |
| 16 Illinois.....           | 469,902                | 60.66      | 333,420    | 314,759          | 484,550                    | 62.55      | 365,602                              | 46,330           | 5.98       |
| 17 Michigan.....           | 341,703                | 68.86      | 214,095    | 208,201          | 328,808                    | 68.27      | 279,417                              | 82,046           | 16.53      |
| 18 Wisconsin.....          | 191,441                | 64.46      | 130,453    | 118,169          | 196,625                    | 66.20      | 152,563                              | 55,930           | 18.83      |
| 19 West North Central..... | 693,931                | 49.66      | 492,342    | 438,472          | 667,936                    | 49.95      | 538,504                              | 185,388          | 14.78      |
| 20 Minnesota.....          | 156,278                | 60.53      | 107,486    | 102,525          | 148,001                    | 67.32      | 119,034                              | 40,357           | 15.63      |
| 21 Iowa.....               | 149,032                | 60.14      | 118,683    | 83,831           | 150,670                    | 60.80      | 113,190                              | 68,843           | 26.97      |
| 22 Missouri.....           | 132,580                | 36.30      | 99,610     | 93,697           | 148,668                    | 40.71      | 116,178                              | 19,202           | 5.81       |
| 23 North Dakota.....       | 27,781                 | 40.62      | 22,676     | 20,682           | 28,464                     | 41.61      | 25,494                               | 8,122            | 11.87      |
| 24 South Dakota.....       | 34,760                 | 49.71      | 27,354     | 25,323           | 31,875                     | 45.60      | 27,719                               | 10,317           | 14.76      |
| 25 Nebraska.....           | 64,840                 | 48.78      | 43,682     | 40,707           | 64,363                     | 46.44      | 56,812                               | 16,017           | 11.56      |
| 26 Kansas.....             | 98,670                 | 52.15      | 72,951     | 71,707           | 95,896                     | 60.68      | 81,077                               | 24,530           | 12.97      |
| 27 South Atlantic.....     | 499,943                | 31.29      | 348,826    | 318,328          | 502,462                    | 31.45      | 432,696                              | 167,978          | 12.04      |
| 28 Delaware.....           | 10,829                 | 45.12      | 5,446      | 5,307            | 10,993                     | 45.83      | 7,831                                | 3,264            | 13.60      |
| 29 Maryland.....           | 71,026                 | 43.05      | 52,762     | 47,031           | 83,186                     | 60.42      | 63,577                               | 18,673           | 22.42      |
| 30 Dist. of Columbia.....  | 45,264                 | 92.04      | 20,929     | 24,697           | 48,134                     | 97.83      | 34,433                               |                  |            |
| 31 Virginia.....           | 68,982                 | 26.29      | 43,826     | 37,018           | 64,230                     | 26.40      | 55,709                               | 26,217           | 15.26      |
| 32 West Virginia.....      | 62,497                 | 29.90      | 47,134     | 46,655           | 53,490                     | 30.46      | 44,483                               | 17,032           | 9.70       |
| 33 North Carolina.....     | 79,384                 | 24.55      | 56,369     | 52,479           | 82,494                     | 25.52      | 76,162                               | 42,052           | 13.01      |
| 34 South Carolina.....     | 36,783                 | 21.09      | 23,741     | 22,211           | 30,533                     | 17.51      | 28,968                               | 12,735           | 7.30       |
| 35 Georgia.....            | 59,490                 | 20.43      | 39,898     | 34,947           | 56,880                     | 19.55      | 52,472                               | 17,863           | 6.14       |
| 36 Florida.....            | 80,714                 | 53.14      | 49,722     | 45,083           | 72,517                     | 47.74      | 60,055                               | 30,152           | 19.85      |
| 37 East South Central..... | 221,754                | 22.20      | 147,008    | 129,434          | 229,890                    | 23.02      | 195,927                              | 99,548           | 9.97       |
| 38 Kentucky.....           | 55,182                 | 20.94      | 39,699     | 37,482           | 57,023                     | 21.64      | 47,578                               | 11,864           | 4.50       |
| 39 Tennessee.....          | 65,046                 | 24.82      | 42,874     | 39,350           | 69,889                     | 26.42      | 59,051                               | 32,419           | 12.26      |
| 40 Alabama.....            | 51,609                 | 10.28      | 28,725     | 24,426           | 53,626                     | 20.03      | 45,635                               | 32,406           | 12.10      |
| 41 Mississippi.....        | 49,317                 | 24.27      | 35,709     | 28,176           | 49,392                     | 24.31      | 44,663                               | 22,860           | 11.25      |
| 42 West South Central..... | 368,932                | 29.66      | 242,415    | 229,812          | 401,220                    | 32.43      | 324,212                              | 88,462           | 7.26       |
| 43 Arkansas.....           | 30,746                 | 16.49      | 16,840     | 15,526           | 29,283                     | 15.70      | 27,396                               | 11,851           | 6.35       |
| 44 Louisiana.....          | 68,762                 | 32.25      | 45,925     | 41,392           | 79,080                     | 37.09      | 60,070                               | 6,136            | 3.72       |
| 45 Oklahoma.....           | 76,818                 | 31.57      | 48,946     | 47,881           | 88,375                     | 36.32      | 73,694                               | 20,382           | 8.38       |
| 46 Texas.....              | 190,808                | 32.07      | 130,904    | 121,613          | 204,482                    | 34.41      | 163,052                              | 48,043           | 8.08       |
| 47 Mountain.....           | 203,671                | 54.45      | 133,350    | 123,225          | 200,979                    | 53.73      | 179,492                              | 62,605           | 18.16      |
| 48 Montana.....            | 29,193                 | 64.30      | 22,942     | 21,477           | 28,210                     | 52.47      | 25,208                               | 11,262           | 20.95      |
| 49 Idaho.....              | 26,882                 | 60.27      | 18,193     | 18,593           | 24,887                     | 55.80      | 23,310                               | 7,824            | 17.54      |
| 50 Wyoming.....            | 13,912                 | 60.75      | 8,633      | 8,053            | 13,161                     | 57.47      | 12,247                               | 4,780            | 20.87      |
| 51 Colorado.....           | 62,898                 | 60.13      | 40,096     | 38,808           | 63,124                     | 60.35      | 54,820                               | 15,299           | 20.28      |
| 52 New Mexico.....         | 12,516                 | 29.11      | 8,518      | 8,298            | 12,007                     | 27.92      | 10,846                               | 2,371            | 5.51       |
| 53 Arizona.....            | 30,628                 | 67.33      | 16,728     | 15,480           | 29,490                     | 66.12      | 26,615                               | 12,513           | 28.06      |
| 54 Utah.....               | 20,061                 | 40.08      | 13,225     | 12,930           | 22,637                     | 44.04      | 18,769                               | 4,401            | 8.56       |
| 55 Nevada.....             | 7,639                  | 83.03      | 5,010      | 4,588            | 7,463                      | 81.12      | 5,677                                | 4,135            | 45.49      |
| 56 Pacific.....            | 671,726                | 79.39      | 426,016    | 401,797          | 708,701                    | 83.52      | 562,584                              | 179,152          | 22.95      |
| 57 Washington.....         | 103,964                | 65.63      | 55,445     | 54,519           | 113,451                    | 71.62      | 86,996                               | 20,172           | 12.73      |
| 58 Oregon.....             | 65,618                 | 57.27      | 37,682     | 36,586           | 55,541                     | 57.20      | 46,405                               | 15,725           | 16.19      |
| 59 California.....         | 512,152                | 86.72      | 332,589    | 310,662          | 537,709                    | 91.04      | 420,133                              | 143,255          | 27.29      |

<sup>1</sup> Includes school districts, townships, and other civil divisions not shown separately.

## RECEIPTS AND GOVERNMENTAL-COST PAYMENTS, 1932

in thousands of dollars]

| Counties—Continued    |                  |                            |            |                                      | Cities, towns, villages, and boroughs |            |            |                  |                            |            |                                      |    |
|-----------------------|------------------|----------------------------|------------|--------------------------------------|---------------------------------------|------------|------------|------------------|----------------------------|------------|--------------------------------------|----|
| Revenue receipts—Con. |                  | Governmental-cost payments |            |                                      | Revenue receipts                      |            |            |                  | Governmental-cost payments |            |                                      |    |
| From taxes            |                  | Total                      | Per capita | Operation, maintenance, and interest | Total                                 | Per capita | From taxes |                  | Total                      | Per capita | Operation, maintenance, and interest |    |
| Total                 | General property |                            |            |                                      |                                       |            | Total      | General property |                            |            |                                      |    |
| 1,030,856             | 877,142          | 1,411,826                  | \$12.88    | 1,100,556                            | 3,373,594                             | \$42.54    | 2,261,859  | 2,057,486        | 3,584,647                  | \$45.32    | 2,777,222                            | 1  |
| 14,046                | 13,414           | 17,828                     | 2.88       | 13,586                               | 412,750                               | 60.85      | 337,798    | 283,995          | 452,980                    | 68.79      | 359,821                              | 2  |
| 1,567                 | 1,567            | 2,066                      | 2.58       | 1,680                                | 12,171                                | 36.49      | 9,838      | 9,267            | 13,041                     | 39.10      | 11,152                               | 3  |
| 1,618                 | 1,618            | 2,265                      | 4.84       | 2,076                                | 10,751                                | 46.14      | 9,110      | 7,990            | 10,280                     | 44.12      | 8,605                                | 4  |
| 69                    | 66               | 112                        | 3.1        | 77                                   | 4,969                                 | 31.08      | 3,275      | 3,249            | 4,938                      | 30.89      | 4,159                                | 5  |
| 9,475                 | 9,190            | 11,655                     | 3.43       | 7,992                                | 237,912                               | 69.28      | 242,833    | 203,010          | 326,830                    | 76.00      | 257,316                              | 6  |
|                       |                  |                            |            |                                      | 32,672                                | 46.84      | 26,401     | 26,090           | 38,418                     | 55.07      | 28,827                               | 7  |
| 1,320                 | 1,063            | 1,728                      | 1.06       | 1,711                                | 54,275                                | 51.28      | 46,781     | 44,389           | 59,473                     | 56.20      | 49,762                               | 8  |
| 170,546               | 149,426          | 271,776                    | 15.44      | 173,845                              | 1,292,323                             | 60.43      | 955,174    | 892,138          | 1,423,563                  | 66.56      | 1,104,776                            | 9  |
| 72,359                | 60,176           | 119,906                    | 20.96      | 64,662                               | 916,550                               | 82.57      | 688,945    | 638,048          | 976,060                    | 88.02      | 763,310                              | 10 |
| 41,765                | 38,585           | 71,451                     | 17.29      | 53,426                               | 185,584                               | 58.26      | 136,805    | 126,860          | 228,068                    | 67.94      | 180,158                              | 11 |
| 50,422                | 50,395           | 80,418                     | 10.37      | 54,757                               | 181,189                               | 26.10      | 129,424    | 127,228          | 219,705                    | 31.65      | 159,307                              | 12 |
| 208,340               | 186,884          | 303,477                    | 11.81      | 239,990                              | 659,273                               | 34.24      | 375,479    | 338,055          | 670,986                    | 34.85      | 518,703                              | 13 |
| 99,280                | 60,964           | 87,683                     | 13.02      | 62,121                               | 169,444                               | 33.37      | 91,116     | 74,459           | 171,522                    | 33.78      | 126,006                              | 14 |
| 25,800                | 26,481           | 30,771                     | 9.41       | 25,109                               | 47,634                                | 22.31      | 28,543     | 27,908           | 47,513                     | 22.25      | 36,726                               | 15 |
| 25,630                | 18,745           | 54,198                     | 7.00       | 40,484                               | 174,150                               | 27.33      | 85,829     | 73,877           | 180,332                    | 28.31      | 130,556                              | 16 |
| 52,746                | 47,860           | 68,362                     | 13.78      | 66,699                               | 169,249                               | 44.76      | 99,724     | 98,745           | 171,283                    | 45.30      | 145,695                              | 17 |
| 35,928                | 33,834           | 62,433                     | 21.02      | 46,917                               | 98,796                                | 52.31      | 70,467     | 61,066           | 100,816                    | 53.11      | 77,720                               | 18 |
| 152,332               | 108,923          | 198,787                    | 15.69      | 134,743                              | 220,583                               | 28.74      | 131,350    | 122,330          | 217,452                    | 28.33      | 167,690                              | 19 |
| 27,770                | 24,156           | 34,848                     | 13.50      | 23,479                               | 69,971                                | 43.37      | 45,194     | 43,863           | 68,202                     | 42.27      | 54,225                               | 20 |
| 68,367                | 24,351           | 75,369                     | 30.42      | 43,958                               | 20,094                                | 19.95      | 16,773     | 15,927           | 26,740                     | 18.34      | 21,190                               | 21 |
| 17,031                | 16,877           | 24,674                     | 8.74       | 17,249                               | 61,573                                | 27.05      | 39,704     | 34,021           | 69,557                     | 30.60      | 49,027                               | 22 |
| 7,497                 | 5,991            | 8,741                      | 12.93      | 6,731                                | 4,538                                 | 17.87      | 2,124      | 2,047            | 3,955                      | 15.57      | 3,568                                | 23 |
| 9,799                 | 7,872            | 10,435                     | 14.78      | 8,144                                | 6,715                                 | 24.03      | 3,684      | 3,598            | 6,050                      | 21.65      | 5,047                                | 24 |
| 11,971                | 9,452            | 17,695                     | 12.77      | 14,603                               | 18,956                                | 24.86      | 10,212     | 9,826            | 16,713                     | 21.92      | 13,983                               | 25 |
| 19,897                | 19,324           | 25,025                     | 13.23      | 20,579                               | 29,738                                | 28.81      | 13,659     | 13,048           | 25,935                     | 25.12      | 20,060                               | 26 |
| 139,135               | 115,231          | 168,723                    | 11.95      | 149,499                              | 247,441                               | 35.40      | 155,827    | 137,512          | 263,718                    | 36.30      | 208,722                              | 27 |
| 2,289                 | 2,272            | 3,132                      | 13.05      | 2,591                                | 7,472                                 | 48.38      | 3,064      | 2,942            | 7,797                      | 50.48      | 5,171                                | 28 |
| 15,191                | 14,099           | 19,962                     | 23.96      | 16,700                               | 50,977                                | 48.02      | 37,262     | 33,532           | 61,087                     | 57.54      | 45,859                               | 29 |
|                       |                  |                            |            |                                      | 45,284                                | 92.04      | 29,929     | 24,697           | 48,134                     | 97.83      | 34,433                               | 30 |
| 19,192                | 15,482           | 25,519                     | 14.86      | 22,900                               | 37,660                                | 41.04      | 24,569     | 21,472           | 38,469                     | 41.92      | 32,655                               | 31 |
| 15,713                | 15,479           | 17,433                     | 9.93       | 12,760                               | 8,153                                 | 12.45      | 5,856      | 5,615            | 8,192                      | 12.51      | 6,808                                | 32 |
| 34,152                | 31,455           | 46,439                     | 14.37      | 43,151                               | 27,061                                | 24.90      | 13,745     | 12,568           | 25,083                     | 23.08      | 23,138                               | 33 |
| 7,389                 | 6,971            | 9,561                      | 5.48       | 8,839                                | 9,404                                 | 18.29      | 5,972      | 5,060            | 8,377                      | 16.29      | 7,837                                | 34 |
| 15,163                | 13,723           | 16,829                     | 5.78       | 15,119                               | 25,851                                | 21.74      | 15,580     | 13,074           | 24,441                     | 20.56      | 22,554                               | 35 |
| 19,031                | 15,750           | 27,848                     | 18.33      | 27,309                               | 35,579                                | 38.70      | 19,850     | 18,552           | 32,138                     | 34.95      | 30,269                               | 36 |
| 72,094                | 62,225           | 102,396                    | 10.25      | 91,408                               | 86,432                                | 26.85      | 56,940     | 60,023           | 95,218                     | 27.31      | 76,453                               | 37 |
| 10,808                | 10,304           | 11,688                     | 4.44       | 10,905                               | 25,778                                | 25.92      | 17,621     | 16,145           | 28,452                     | 28.61      | 21,417                               | 38 |
| 22,985                | 20,874           | 33,643                     | 12.72      | 30,059                               | 30,693                                | 29.59      | 19,458     | 18,048           | 33,738                     | 32.53      | 27,076                               | 39 |
| 17,817                | 16,974           | 32,944                     | 12.31      | 29,217                               | 19,204                                | 20.62      | 10,909     | 7,452            | 20,682                     | 22.21      | 16,418                               | 40 |
| 20,416                | 14,073           | 24,121                     | 11.87      | 21,222                               | 13,757                                | 26.29      | 8,952      | 8,378            | 12,344                     | 23.59      | 11,542                               | 41 |
| 65,724                | 55,497           | 82,958                     | 7.81       | 76,249                               | 128,012                               | 21.86      | 74,713     | 70,557           | 133,745                    | 23.77      | 102,861                              | 42 |
| 5,426                 | 5,015            | 7,165                      | 6.30       | 11,073                               | 3,627                                 | 6.40       | 2,374      | 1,671            | 3,273                      | 5.94       | 2,979                                | 43 |
| 5,329                 | 4,664            | 6,384                      | 3.84       | 6,117                                | 31,978                                | 32.58      | 19,633     | 17,803           | 36,433                     | 37.12      | 27,011                               | 44 |
| 11,622                | 11,413           | 23,432                     | 9.63       | 18,949                               | 23,174                                | 19.68      | 12,252     | 11,396           | 23,855                     | 20.26      | 18,731                               | 45 |
| 43,347                | 34,405           | 51,391                     | 8.65       | 40,101                               | 64,333                                | 22.06      | 40,424     | 39,987           | 70,184                     | 24.07      | 53,640                               | 46 |
| 52,417                | 47,684           | 61,277                     | 17.77      | 57,196                               | 51,690                                | 28.33      | 26,445     | 24,635           | 62,491                     | 28.74      | 40,897                               | 47 |
| 10,154                | 8,820            | 10,905                     | 20.28      | 10,016                               | 5,599                                 | 22.06      | 2,866      | 2,735            | 4,998                      | 19.80      | 4,537                                | 48 |
| 7,225                 | 0,186            | 4,756                      | 17.39      | 7,265                                | 4,124                                 | 20.00      | 2,174      | 2,127            | 3,696                      | 17.92      | 3,460                                | 49 |
| 4,100                 | 3,694            | 4,780                      | 19.59      | 4,133                                | 3,122                                 | 26.31      | 1,524      | 1,413            | 2,749                      | 23.16      | 2,494                                | 50 |
| 11,948                | 11,264           | 15,151                     | 20.13      | 13,931                               | 22,904                                | 35.47      | 11,376     | 10,798           | 23,114                     | 35.80      | 17,593                               | 51 |
| 1,999                 | 1,993            | 2,364                      | 5.50       | 2,299                                | 2,389                                 | 17.15      | 1,158      | 948              | 2,050                      | 14.84      | 1,585                                | 52 |
| 9,791                 | 8,755            | 12,155                     | 27.25      | 11,093                               | 5,599                                 | 31.38      | 2,697      | 2,455            | 5,805                      | 32.64      | 4,317                                | 53 |
| 3,684                 | 3,664            | 4,569                      | 8.80       | 4,033                                | 6,778                                 | 18.38      | 3,754      | 3,479            | 8,733                      | 23.68      | 5,883                                | 54 |
| 3,512                 | 3,308            | 3,891                      | 42.29      | 3,723                                | 1,225                                 | 22.42      | 928        | 710              | 1,346                      | 24.64      | 1,028                                | 55 |
| 165,291               | 138,758          | 198,607                    | 25.45      | 175,474                              | 277,090                               | 45.10      | 137,563    | 129,952          | 294,218                    | 47.89      | 200,400                              | 56 |
| 17,431                | 16,989           | 21,918                     | 13.84      | 18,980                               | 47,998                                | 46.84      | 17,989     | 17,600           | 52,616                     | 51.35      | 33,569                               | 57 |
| 12,413                | 11,850           | 16,852                     | 17.36      | 12,926                               | 19,080                                | 31.90      | 9,732      | 9,399            | 18,042                     | 30.17      | 14,570                               | 58 |
| 126,447               | 110,439          | 159,837                    | 30.45      | 143,568                              | 210,012                               | 46.45      | 109,842    | 102,953          | 223,558                    | 49.44      | 152,261                              | 59 |

Source: Bureau of the Census, Department of Commerce.



# No. 215.—TAXES: TOTAL LEVIES OF AD VALOREM GENERAL PROPERTY TAXES OF STATES, COUNTIES, AND MINOR CIVIL DIVISIONS

NOTE.—The data represent the total levies of general property taxes of States, counties, cities, villages, towns, boroughs, townships, school districts, etc., and for all purposes. They do not cover "special assessments" on property benefited by specific improvements nor special property taxes applying only to limited classes, nor taxes based on other standards than property, such as income, volume of business, inheritance, etc., which have been steadily growing in relative importance. The change in buying power of money affects materially the comparability of the figures. For data for 1880, 1870, and 1890, by States, see Table 437, Statistical Abstract of 1922

| Division and State      | Levies of general property taxes (thousands of dollars) |         |           |           |           | Amount per capita (dollars) |       |       |       |       |
|-------------------------|---------------------------------------------------------|---------|-----------|-----------|-----------|-----------------------------|-------|-------|-------|-------|
|                         | 1880                                                    | 1902    | 1912      | 1922      | 1932      | 1880                        | 1902  | 1912  | 1922  | 1932  |
| Grand total.....        | 513,921                                                 | 724,737 | 1,340,841 | 3,503,725 | 5,026,763 | 6.26                        | 8.22  | 13.91 | 32.23 | 40.37 |
| New England.....        | 42,499                                                  | 76,306  | 127,232   | 270,516   | 399,504   | 10.60                       | 13.29 | 18.63 | 36.69 | 48.46 |
| Maine.....              | 6,182                                                   | 6,866   | 8,987     | 22,295    | 31,308    | 7.99                        | 9.78  | 11.86 | 28.83 | 39.13 |
| New Hampshire.....      | 3,179                                                   | 4,166   | 6,978     | 15,029    | 20,320    | 9.16                        | 9.95  | 15.98 | 33.71 | 43.42 |
| Vermont.....            | 1,745                                                   | 1,911   | 4,020     | 9,188     | 12,101    | 5.25                        | 5.52  | 11.17 | 26.07 | 33.61 |
| Massachusetts.....      | 24,327                                                  | 49,219  | 82,566    | 156,285   | 231,212   | 13.64                       | 17.06 | 23.27 | 30.33 | 53.90 |
| Rhode Island.....       | 2,603                                                   | 6,133   | 8,192     | 19,925    | 28,953    | 9.74                        | 13.65 | 14.13 | 32.12 | 41.60 |
| Connecticut.....        | 5,366                                                   | 8,021   | 16,489    | 47,794    | 76,610    | 8.62                        | 8.53  | 13.95 | 33.30 | 46.39 |
| Middle Atlantic.....    | 94,130                                                  | 211,936 | 384,266   | 840,028   | 1,494,289 | 8.97                        | 13.17 | 17.71 | 36.66 | 54.91 |
| New York.....           | 50,393                                                  | 132,711 | 221,467   | 454,878   | 824,022   | 11.09                       | 17.49 | 22.80 | 42.72 | 64.32 |
| New Jersey.....         | 8,958                                                   | 20,956  | 49,424    | 145,355   | 269,595   | 7.92                        | 10.57 | 17.98 | 44.27 | 65.25 |
| Pennsylvania.....       | 28,779                                                  | 58,269  | 93,375    | 239,795   | 370,672   | 6.72                        | 8.95  | 11.62 | 28.70 | 38.12 |
| East North Central..... | 78,502                                                  | 172,421 | 292,021   | 869,682   | 1,220,670 | 7.00                        | 10.47 | 15.38 | 38.27 | 47.52 |
| Ohio.....               | 25,757                                                  | 47,460  | 70,697    | 224,423   | 302,861   | 8.05                        | 11.15 | 15.45 | 37.63 | 45.42 |
| Indiana.....            | 11,943                                                  | 27,998  | 45,644    | 117,138   | 138,341   | 6.04                        | 10.84 | 16.53 | 30.26 | 42.31 |
| Illinois.....           | 24,586                                                  | 53,013  | 84,834    | 250,380   | 391,159   | 7.99                        | 10.50 | 14.37 | 37.60 | 60.49 |
| Michigan.....           | 8,628                                                   | 23,477  | 47,998    | 168,797   | 266,718   | 5.27                        | 9.48  | 16.34 | 43.90 | 53.75 |
| Wisconsin.....          | 7,588                                                   | 20,503  | 36,848    | 108,944   | 121,591   | 5.77                        | 9.61  | 15.23 | 40.45 | 40.94 |
| West North Central..... | 35,490                                                  | 95,010  | 180,440   | 480,829   | 511,566   | 5.76                        | 9.00  | 15.06 | 38.52 | 38.25 |
| Minnesota.....          | 4,346                                                   | 17,761  | 38,108    | 107,325   | 120,345   | 5.57                        | 9.65  | 17.47 | 43.78 | 46.61 |
| Iowa.....               | 11,062                                                  | 22,603  | 36,670    | 105,842   | 101,197   | 6.81                        | 10.17 | 16.45 | 43.36 | 40.84 |
| Missouri.....           | 11,832                                                  | 21,788  | 35,491    | 91,445    | 103,234   | 5.46                        | 6.82  | 10.58 | 26.64 | 23.27 |
| North Dakota.....       | 1,478                                                   | 4,186   | 11,876    | 31,167    | 27,931    | 3.54                        | 11.44 | 17.97 | 47.13 | 40.84 |
| South Dakota.....       | 1,478                                                   | 4,329   | 10,720    | 32,483    | 29,976    | 3.54                        | 10.69 | 16.67 | 50.18 | 42.88 |
| Nebraska.....           | 2,792                                                   | 9,499   | 19,781    | 53,236    | 48,522    | 6.17                        | 8.89  | 16.04 | 40.26 | 35.01 |
| Kansas.....             | 4,960                                                   | 14,847  | 27,895    | 69,331    | 80,362    | 5.00                        | 10.14 | 16.55 | 38.83 | 42.47 |
| South Atlantic.....     | 21,553                                                  | 48,386  | 91,186    | 265,316   | 359,097   | 2.84                        | 4.31  | 7.15  | 17.73 | 22.48 |
| Delaware.....           | 604                                                     | 1,317   | 1,791     | 4,841     | 5,915     | 4.12                        | 7.00  | 8.61  | 21.20 | 24.65 |
| Maryland.....           | 5,437                                                   | 10,698  | 16,360    | 40,026    | 55,158    | 5.82                        | 8.79  | 12.30 | 26.95 | 33.43 |
| Dist. of Col.....       | 1,469                                                   | 3,361   | 6,399     | 12,366    | 26,254    | 8.27                        | 11.62 | 15.61 | 28.28 | 51.33 |
| Virginia.....           | 4,694                                                   | 8,893   | 13,822    | 33,878    | 43,386    | 3.10                        | 3.64  | 6.49  | 14.32 | 17.83 |
| West Virginia.....      | 1,984                                                   | 5,507   | 10,026    | 38,436    | 50,867    | 3.22                        | 5.52  | 7.97  | 25.89 | 28.86 |
| North Carolina.....     | 1,916                                                   | 3,975   | 9,989     | 37,017    | 47,711    | 1.37                        | 2.04  | 4.33  | 13.98 | 14.70 |
| South Carolina.....     | 1,840                                                   | 3,736   | 6,899     | 20,886    | 27,379    | 1.85                        | 2.73  | 4.39  | 12.09 | 15.70 |
| Georgia.....            | 3,014                                                   | 8,204   | 18,414    | 35,673    | 45,540    | 1.95                        | 3.58  | 6.73  | 12.01 | 15.65 |
| Florida.....            | 585                                                     | 2,081   | 8,438     | 32,194    | 58,097    | 2.17                        | 4.79  | 10.22 | 31.44 | 38.25 |
| East South Central..... | 11,896                                                  | 27,167  | 51,663    | 125,781   | 180,478   | 2.15                        | 3.50  | 5.95  | 13.98 | 16.07 |
| Kentucky.....           | 5,201                                                   | 10,462  | 17,669    | 37,822    | 51,063    | 3.15                        | 4.74  | 7.56  | 15.28 | 19.38 |
| Tennessee.....          | 2,516                                                   | 7,626   | 14,112    | 35,127    | 43,989    | 1.63                        | 3.68  | 6.61  | 14.53 | 16.63 |
| Alabama.....            | 2,062                                                   | 4,899   | 9,971     | 22,684    | 32,790    | 1.63                        | 2.69  | 4.45  | 9.46  | 12.25 |
| Mississippi.....        | 2,217                                                   | 4,180   | 9,011     | 30,648    | 32,636    | 1.96                        | 2.61  | 5.28  | 17.12 | 16.06 |
| West South Central..... | 10,794                                                  | 29,985  | 77,783    | 222,351   | 320,028   | 3.24                        | 4.35  | 8.17  | 21.06 | 25.87 |
| Arkansas.....           | 1,839                                                   | 4,446   | 10,621    | 17,476    | 20,382    | 2.29                        | 3.30  | 6.40  | 9.77  | 10.93 |
| Louisiana.....          | 4,386                                                   | 8,478   | 14,432    | 41,662    | 56,053    | 4.67                        | 5.91  | 8.27  | 22.65 | 25.82 |
| Oklahoma.....           | 1,877                                                   | 19,705  | 54,070    | 68,944    | 68,944    | 3.87                        | 8.77  | 10.16 | 25.69 | 23.34 |
| Texas.....              | 4,559                                                   | 13,684  | 32,965    | 109,234   | 176,649   | 2.87                        | 4.26  | 7.90  | 22.60 | 29.56 |
| Mountain.....           | 4,717                                                   | 24,312  | 54,327    | 144,488   | 180,820   | 7.22                        | 13.78 | 18.45 | 41.23 | 42.99 |
| Montana.....            | 384                                                     | 4,092   | 11,245    | 26,008    | 26,317    | 9.80                        | 16.53 | 26.83 | 43.94 | 48.95 |
| Idaho.....              | 187                                                     | 1,895   | 6,952     | 18,569    | 19,109    | 5.73                        | 11.11 | 18.35 | 40.68 | 42.85 |
| Wyoming.....            | 230                                                     | 1,074   | 2,610     | 8,365     | 10,938    | 11.07                       | 11.16 | 15.98 | 40.68 | 47.76 |
| Colorado.....           | 2,152                                                   | 10,741  | 16,931    | 44,588    | 44,887    | 11.07                       | 19.34 | 19.17 | 45.75 | 42.91 |
| New Mexico.....         | 184                                                     | 1,410   | 3,426     | 8,305     | 11,908    | 1.37                        | 7.15  | 9.26  | 23.39 | 27.09 |
| Arizona.....            | 293                                                     | 1,635   | 4,358     | 15,352    | 21,807    | 7.25                        | 12.69 | 13.88 | 42.54 | 48.90 |
| Utah.....               | 435                                                     | 2,848   | 6,529     | 17,711    | 19,676    | 3.02                        | 9.81  | 16.13 | 37.82 | 38.23 |
| Nevada.....             | 872                                                     | 617     | 2,276     | 5,068     | 6,178     | 14.00                       | 14.57 | 24.02 | 65.47 | 67.15 |
| Pacific.....            | 14,247                                                  | 41,235  | 111,053   | 294,756   | 430,311   | 12.78                       | 18.42 | 23.28 | 48.61 | 50.88 |
| Washington.....         | 505                                                     | 9,903   | 31,205    | 69,283    | 73,131    | 6.73                        | 16.43 | 23.21 | 47.13 | 46.17 |
| Oregon.....             | 1,114                                                   | 4,920   | 17,139    | 40,090    | 41,488    | 6.87                        | 11.43 | 22.64 | 49.55 | 42.73 |
| California.....         | 12,628                                                  | 27,312  | 62,689    | 178,383   | 315,692   | 14.60                       | 17.81 | 23.50 | 48.97 | 53.45 |

<sup>1</sup> Dakota Territory.

<sup>2</sup> Oklahoma and Indian Territory combined.

Source: Bureau of the Census, Department of Commerce.

## No. 216.—STATE FINANCES: REVENUES AND EXPENDITURES BY STATES, 1932

[All figures, except per capita, in thousands of dollars]

| Division and State   | Revenue receipts |            |                    |                  |             |         |                                   | Governmental-cost payments |            |                                      |          |
|----------------------|------------------|------------|--------------------|------------------|-------------|---------|-----------------------------------|----------------------------|------------|--------------------------------------|----------|
|                      | Total            |            | From taxes         |                  |             |         |                                   | Total                      |            | Operation, maintenance, and interest | Outlays  |
|                      | Amount           | Per capita | Total <sup>1</sup> | General property | Inheritance | Income  | Licenses and permits <sup>2</sup> | Amount                     | Per capita |                                      |          |
| Grand total.....     | 2, 207, 985      | \$17. 83   | 1, 641, 850        | 323, 477         | 143, 969    | 47, 852 | 979, 385                          | 2, 506, 835                | \$20. 24   | 1, 619, 981                          | 385, 854 |
| New England.....     | 166, 888         | 20. 64     | 181, 463           | 19, 362          | 18, 638     | 1, 217  | 70, 155                           | 178, 747                   | 21. 72     | 110, 176                             | 68, 671  |
| Maine.....           | 22, 672          | 28. 72     | 17, 408            | 4, 886           | 921         | —       | 10, 490                           | 26, 785                    | 33. 48     | 15, 763                              | 11, 022  |
| N. Hampshire.....    | 11, 398          | 24. 46     | 8, 859             | 2, 812           | 380         | —       | 5, 573                            | 13, 064                    | 28. 01     | 10, 715                              | 2, 341   |
| Vermont.....         | 10, 884          | 30. 23     | 8, 777             | 1, 138           | 432         | 496     | 4, 877                            | 10, 260                    | 28. 50     | 6, 933                               | 3, 677   |
| Massachusetts.....   | 74, 020          | 17. 30     | 56, 269            | 7, 500           | 11, 083     | 721     | 23, 869                           | 74, 068                    | 17. 31     | 44, 884                              | 29, 174  |
| Rhode Island.....    | 13, 141          | 18. 88     | 10, 326            | 1, 185           | 1, 120      | —       | 5, 494                            | 13, 189                    | 18. 95     | 8, 812                               | 4, 377   |
| Connecticut.....     | 37, 471          | 22. 99     | 29, 824            | 1, 842           | 4, 097      | —       | 19, 855                           | 41, 401                    | 25. 40     | 23, 321                              | 18, 080  |
| Middle Atlantic..... | 519, 828         | 18. 60     | 415, 325           | 37, 891          | 75, 072     | 19, 473 | 201, 694                          | 647, 457                   | 24. 28     | 460, 315                             | 187, 143 |
| New York.....        | 267, 669         | 20. 10     | 206, 894           | 2, 230           | 45, 802     | 19, 473 | 102, 574                          | 362, 210                   | 28. 27     | 261, 516                             | 100, 694 |
| New Jersey.....      | 92, 418          | 22. 37     | 75, 792            | 35, 661          | 10, 837     | —       | 26, 612                           | 119, 559                   | 28. 53     | 74, 717                              | 44, 839  |
| Pennsylvania.....    | 160, 841         | 17. 48     | 132, 639           | —                | 18, 939     | —       | 73, 508                           | 165, 691                   | 17. 05     | 124, 032                             | 41, 669  |
| E. N. Central.....   | 403, 015         | 15. 71     | 316, 364           | 61, 270          | 21, 543     | 7, 815  | 187, 428                          | 408, 995                   | 15. 98     | 270, 729                             | 139, 266 |
| Ohio.....            | 88, 328          | 13. 19     | 64, 151            | 5, 000           | 3, 789      | —       | 49, 718                           | 70, 977                    | 11. 47     | 50, 606                              | 26, 371  |
| Indiana.....         | 58, 410          | 17. 93     | 43, 706            | 14, 510          | 1, 944      | —       | 26, 449                           | 50, 155                    | 15. 89     | 29, 748                              | 20, 407  |
| Illinois.....        | 88, 998          | 11. 49     | 73, 866            | 18, 154          | 6, 534      | —       | 44, 973                           | 107, 805                   | 13. 92     | 70, 430                              | 37, 376  |
| Michigan.....        | 102, 263         | 20. 61     | 84, 026            | 36, 080          | 5, 890      | —       | 34, 820                           | 102, 185                   | 20. 69     | 70, 442                              | 25, 746  |
| Wisconsin.....       | 65, 016          | 21. 89     | 50, 616            | 7, 540           | 3, 696      | 7, 815  | 31, 468                           | 72, 870                    | 24. 84     | 43, 503                              | 29, 367  |
| W. N. Central.....   | 245, 219         | 18. 35     | 164, 396           | 45, 843          | 5, 898      | 3, 635  | 106, 122                          | 282, 882                   | 21. 16     | 157, 431                             | 125, 451 |
| Minnesota.....       | 60, 678          | 23. 46     | 40, 836            | 9, 921           | 1, 594      | —       | 29, 319                           | 74, 983                    | 29. 04     | 44, 630                              | 30, 357  |
| Iowa.....            | 43, 028          | 17. 36     | 32, 470            | 9, 852           | 808         | —       | 21, 681                           | 40, 466                    | 19. 86     | 24, 256                              | 25, 208  |
| Missouri.....        | 51, 485          | 14. 12     | 36, 756            | 5, 889           | 2, 753      | 3, 419  | 22, 068                           | 64, 611                    | 17. 72     | 32, 723                              | 31, 885  |
| N. Dakota.....       | 16, 831          | 22. 49     | 6, 070             | 2, 628           | 15          | 216     | 3, 204                            | 16, 302                    | 28. 93     | 12, 455                              | 3, 849   |
| South Dakota.....    | 17, 330          | 24. 79     | 9, 492             | 4, 304           | 241         | —       | 4, 933                            | 15, 412                    | 26. 84     | 11, 881                              | 6, 531   |
| Nebraska.....        | 23, 562          | 17. 00     | 15, 155            | 5, 928           | 50          | —       | 9, 019                            | 25, 443                    | 18. 36     | 19, 809                              | 11, 634  |
| Kansas.....          | 33, 665          | 17. 89     | 23, 617            | 7, 321           | 431         | —       | 15, 360                           | 33, 635                    | 17. 79     | 17, 771                              | 15, 864  |
| South Atlantic.....  | 247, 751         | 16. 01     | 186, 291           | 28, 722          | 6, 173      | 13, 659 | 126, 096                          | 273, 696                   | 17. 69     | 178, 794                             | 93, 909  |
| Delaware.....        | 12, 471          | 51. 66     | 10, 191            | 3                | 2, 067      | 577     | 2, 540                            | 13, 914                    | 57. 98     | 7, 472                               | 6, 442   |
| Maryland.....        | 33, 678          | 20. 43     | 24, 074            | 6, 068           | 2, 162      | —       | 14, 896                           | 33, 684                    | 20. 50     | 23, 101                              | 10, 479  |
| Virginia.....        | 42, 199          | 17. 34     | 30, 990            | 3, 480           | 518         | 2, 834  | 22, 393                           | 42, 498                    | 17. 47     | 37, 014                              | 1, 483   |
| West Virginia.....   | 24, 118          | 13. 73     | 18, 481            | 3, 395           | 418         | —       | 13, 316                           | 31, 628                    | 18. 01     | 17, 907                              | 13, 716  |
| N. Carolina.....     | 44, 062          | 13. 63     | 35, 687            | 3, 306           | 428         | 7, 154  | 23, 046                           | 47, 006                    | 14. 34     | 40, 085                              | 6, 923   |
| S. Carolina.....     | 26, 080          | 14. 39     | 17, 876            | 2, 834           | 132         | 1, 715  | 12, 528                           | 38, 297                    | 21. 87     | 17, 349                              | 20, 951  |
| Georgia.....         | 46, 369          | 13. 88     | 28, 479            | 6, 222           | 278         | 1, 379  | 19, 953                           | 40, 662                    | 14. 08     | 22, 384                              | 18, 568  |
| Florida.....         | 25, 870          | 17. 03     | 20, 513            | 3, 414           | 170         | —       | 16, 424                           | 25, 725                    | 16. 94     | 19, 395                              | 6, 330   |
| E. S. Central.....   | 120, 126         | 12. 05     | 98, 846            | 25, 137          | 1, 479      | 1, 007  | 55, 436                           | 134, 082                   | 13. 45     | 100, 069                             | 34, 013  |
| Kentucky.....        | 36, 930          | 14. 02     | 27, 218            | 10, 676          | 677         | —       | 15, 426                           | 38, 087                    | 14. 45     | 26, 270                              | 12, 817  |
| Tennessee.....       | 32, 752          | 12. 38     | 25, 687            | 893              | 771         | —       | 23, 250                           | 36, 795                    | 13. 91     | 20, 319                              | 7, 476   |
| Alabama.....         | 31, 360          | 11. 77     | 20, 450            | 7, 969           | —           | —       | 10, 692                           | 36, 520                    | 13. 70     | 27, 683                              | 8, 837   |
| Mississippi.....     | 19, 084          | 9. 43      | 13, 393            | 5, 600           | 30          | 1, 007  | 6, 068                            | 22, 680                    | 11. 21     | 17, 797                              | 4, 883   |
| W. S. Central.....   | 211, 161         | 17. 17     | 143, 052           | 42, 852          | 1, 760      | 637     | 92, 836                           | 272, 644                   | 22. 17     | 146, 537                             | 126, 107 |
| Arkansas.....        | 26, 157          | 14. 03     | 17, 638            | 4, 453           | 95          | 333     | 12, 142                           | 30, 073                    | 20. 95     | 19, 322                              | 19, 751  |
| Louisiana.....       | 34, 590          | 16. 28     | 26, 980            | 9, 313           | 528         | —       | 17, 091                           | 43, 687                    | 19. 38     | 29, 420                              | 64, 267  |
| Oklahoma.....        | 39, 675          | 16. 44     | 23, 645            | 4, 777           | 227         | 354     | 17, 811                           | 43, 261                    | 17. 92     | 26, 354                              | 16, 907  |
| Texas.....           | 110, 739         | 18. 79     | 74, 909            | 24, 309          | 910         | —       | 45, 792                           | 106, 623                   | 18. 09     | 71, 441                              | 35, 182  |
| Mountain.....        | 102, 019         | 27. 32     | 57, 026            | 25, 029          | 1, 569      | 359     | 29, 216                           | 108, 505                   | 27. 72     | 61, 592                              | 41, 913  |
| Montana.....         | 13, 708          | 25. 50     | 6, 384             | 1, 980           | 417         | —       | 3, 830                            | 14, 516                    | 27. 00     | 7, 831                               | 6, 685   |
| Idaho.....           | 12, 851          | 27. 69     | 6, 397             | 2, 854           | 39          | —       | 3, 393                            | 12, 131                    | 27. 20     | 6, 008                               | 6, 123   |
| Wyoming.....         | 10, 487          | 46. 00     | 4, 014             | 1, 694           | 66          | —       | 2, 216                            | 10, 878                    | 47. 71     | 5, 741                               | 5, 137   |
| Colorado.....        | 21, 880          | 20. 92     | 14, 312            | 4, 951           | 777         | —       | 8, 345                            | 21, 446                    | 20. 50     | 14, 091                              | 7, 355   |
| New Mexico.....      | 10, 795          | 25. 10     | 5, 342             | 1, 927           | 24          | —       | 3, 357                            | 11, 704                    | 27. 22     | 7, 279                               | 4, 425   |
| Arizona.....         | 13, 646          | 30. 72     | 8, 790             | 5, 731           | 80          | —       | 2, 920                            | 14, 442                    | 32. 75     | 8, 056                               | 6, 386   |
| Utah.....            | 14, 323          | 27. 87     | 9, 169             | 4, 506           | 166         | 359     | 4, 023                            | 13, 800                    | 26. 85     | 10, 069                              | 3, 731   |
| Nevada.....          | 4, 029           | 53. 58     | 2, 618             | 1, 377           | —           | —       | 1, 132                            | 4, 588                     | 49. 87     | 2, 517                               | 2, 071   |
| Pacific.....         | 188, 930         | 22. 35     | 141, 085           | 17, 371          | 11, 828     | —       | 111, 402                          | 202, 827                   | 24. 00     | 133, 288                             | 69, 539  |
| Washington.....      | 40, 266          | 25. 47     | 30, 681            | 12, 755          | 911         | —       | 16, 947                           | 38, 975                    | 24. 65     | 23, 463                              | 15, 512  |
| Oregon.....          | 29, 767          | 30. 85     | 20, 441            | 4, 612           | 823         | —       | 14, 621                           | 29, 580                    | 30. 65     | 17, 301                              | 12, 279  |
| California.....      | 118, 897         | 20. 13     | 89, 963            | 4                | 10, 094     | —       | 79, 834                           | 134, 272                   | 22. 73     | 92, 524                              | 41, 748  |

<sup>1</sup> Includes taxes not shown separately.<sup>2</sup> Includes motor fuel tax.<sup>3</sup> Data for the fiscal year 1931.

Source: Bureau of the Census, Department of Commerce.

# No. 217.—GROSS DEBT OF STATE AND LOCAL GOVERNMENTS: By CLASSES, 1932

NOTE.—For gross debt less sinking fund assets (total and per capita) of State and local governments see Tables 218, 219, and 222

[All figures in thousands of dollars]

| Division and State                | States           |                              |                    |                | Local governments |                   |                    |                  |
|-----------------------------------|------------------|------------------------------|--------------------|----------------|-------------------|-------------------|--------------------|------------------|
|                                   | Total            | Funded or fixed <sup>1</sup> | Special assessment | All other      | Total             | Funded or fixed   | Special assessment | All other        |
| <b>Grand total.....</b>           | <b>2,895,845</b> | <b>2,480,416</b>             | <b>94,250</b>      | <b>302,179</b> | <b>16,680,567</b> | <b>13,506,373</b> | <b>1,511,079</b>   | <b>1,563,115</b> |
| <b>New England.....</b>           | <b>200,588</b>   | <b>107,804</b>               | <b>91,265</b>      | <b>2,019</b>   | <b>791,871</b>    | <b>686,185</b>    | <b>400</b>         | <b>105,286</b>   |
| Maine.....                        | 27,462           | 27,261                       | —                  | 211            | 39,478            | 35,272            | —                  | 4,206            |
| New Hampshire <sup>2</sup> .....  | 7,016            | 6,513                        | —                  | 500            | 25,633            | 21,179            | —                  | 4,454            |
| Vermont.....                      | 9,545            | 8,630                        | —                  | 915            | 18,384            | 12,055            | —                  | 6,329            |
| Massachusetts <sup>2</sup> .....  | 121,067          | 29,626                       | 91,205             | 176            | 422,277           | 374,575           | —                  | 47,702           |
| Rhode Island.....                 | 21,930           | 21,930                       | —                  | —              | 114,257           | 97,428            | —                  | 16,829           |
| Connecticut.....                  | 13,568           | 13,351                       | —                  | 217            | 171,842           | 145,676           | 400                | 25,766           |
| <b>Middle Atlantic.....</b>       | <b>809,400</b>   | <b>873,948</b>               | <b>—</b>           | <b>135,462</b> | <b>5,979,961</b>  | <b>5,174,701</b>  | <b>965,328</b>     | <b>539,932</b>   |
| New York.....                     | 679,864          | 444,846                      | —                  | 135,018        | 3,474,156         | 2,035,054         | 150,571            | 283,531          |
| New Jersey.....                   | 141,230          | 141,210                      | —                  | 14             | 1,174,932         | 904,242           | 94,006             | 176,684          |
| Pennsylvania.....                 | 83,306           | 87,886                       | —                  | 420            | 1,330,873         | 1,235,405         | 20,751             | 74,717           |
| <b>East North Central.....</b>    | <b>332,401</b>   | <b>293,414</b>               | <b>—</b>           | <b>38,987</b>  | <b>3,247,290</b>  | <b>2,380,859</b>  | <b>510,380</b>     | <b>376,051</b>   |
| Ohio <sup>2</sup> .....           | 9,534            | 8,046                        | —                  | 1,488          | 981,851           | 754,220           | 191,269            | 6,362            |
| Indiana <sup>2</sup> .....        | 4,903            | 3,277                        | —                  | 1,626          | 196,304           | 187,748           | 3,558              | 4,998            |
| Illinois.....                     | 222,737          | 190,961                      | —                  | 31,776         | 1,079,281         | 693,872           | 203,337            | 282,072          |
| Michigan.....                     | 94,040           | 89,946                       | —                  | 4,094          | 781,691           | 602,432           | 108,130            | 71,129           |
| Wisconsin.....                    | 1,184            | 1,184                        | —                  | —              | 208,163           | 192,587           | 4,086              | 11,490           |
| <b>West North Central.....</b>    | <b>342,080</b>   | <b>332,929</b>               | <b>—</b>           | <b>9,151</b>   | <b>1,101,422</b>  | <b>901,428</b>    | <b>158,072</b>     | <b>41,921</b>    |
| Minnesota.....                    | 98,162           | 94,951                       | —                  | 3,211          | 275,287           | 212,203           | 50,543             | 12,521           |
| Iowa.....                         | 17,536           | 16,761                       | —                  | 1,776          | 231,776           | 216,475           | 10,611             | 4,690            |
| Missouri <sup>2</sup> .....       | 105,162          | 104,865                      | —                  | 297            | 255,907           | 218,332           | 28,618             | 8,857            |
| North Dakota.....                 | 45,448           | 44,192                       | —                  | 1,257          | 37,637            | 22,715            | 10,901             | 4,021            |
| South Dakota.....                 | 51,432           | 50,422                       | —                  | 1,010          | 41,058            | 25,982            | 6,536              | 5,570            |
| Nebraska.....                     | 929              | 233                          | —                  | 691            | 118,190           | 86,648            | 27,986             | 3,556            |
| Kansas.....                       | 23,410           | 22,500                       | —                  | 910            | 141,857           | 116,074           | 22,877             | 2,906            |
| <b>South Atlantic.....</b>        | <b>433,961</b>   | <b>403,129</b>               | <b>—</b>           | <b>30,232</b>  | <b>1,684,316</b>  | <b>1,408,410</b>  | <b>169,308</b>     | <b>106,498</b>   |
| Delaware.....                     | 3,216            | 3,216                        | —                  | —              | 27,984            | 27,608            | 206                | 80               |
| Maryland <sup>2</sup> .....       | 32,066           | 32,096                       | —                  | —              | 262,814           | 242,925           | 16,634             | 3,255            |
| Dist. of Columbia.....            | —                | —                            | —                  | —              | 103               | 103               | —                  | —                |
| Virginia.....                     | 25,302           | 20,343                       | —                  | 1,959          | 188,652           | 172,824           | 427                | 15,401           |
| West Virginia.....                | 89,620           | 86,070                       | —                  | 3,550          | 73,023            | 72,008            | 119                | 1,796            |
| North Carolina.....               | 138,616          | 175,879                      | —                  | 12,737         | 386,580           | 303,796           | 41,005             | 41,779           |
| South Carolina <sup>2</sup> ..... | 78,528           | 69,974                       | —                  | 8,554          | 110,494           | 90,740            | 5,716              | 14,038           |
| Georgia <sup>2</sup> .....        | 12,682           | 9,551                        | —                  | 3,041          | 101,567           | 82,439            | 3,165              | 15,973           |
| Florida.....                      | 361              | —                            | —                  | 361            | 632,099           | 416,967           | 100,966            | 14,176           |
| <b>East South Central.....</b>    | <b>230,055</b>   | <b>194,254</b>               | <b>—</b>           | <b>35,801</b>  | <b>628,265</b>    | <b>526,834</b>    | <b>85,947</b>      | <b>35,784</b>    |
| Kentucky.....                     | 16,607           | 2,674                        | —                  | 13,933         | 108,387           | 94,581            | 4,780              | 9,026            |
| Tennessee.....                    | 94,601           | 92,139                       | —                  | 2,462          | 240,956           | 215,778           | 13,867             | 11,311           |
| Alabama <sup>2</sup> .....        | 82,343           | 66,535                       | —                  | 15,808         | 133,222           | 94,674            | 25,312             | 13,236           |
| Mississippi <sup>2</sup> .....    | 26,504           | 32,906                       | —                  | 3,598          | 145,700           | 121,801           | 21,688             | 2,211            |
| <b>West South Central.....</b>    | <b>270,388</b>   | <b>240,082</b>               | <b>—</b>           | <b>30,306</b>  | <b>1,399,023</b>  | <b>1,240,417</b>  | <b>69,249</b>      | <b>88,357</b>    |
| Arkansas.....                     | 164,626          | 180,483                      | —                  | 4,146          | 92,511            | 35,130            | 52,836             | 4,545            |
| Louisiana.....                    | 83,884           | 73,455                       | —                  | 10,429         | 281,464           | 245,994           | 16,413             | 19,057           |
| Oklahoma <sup>2</sup> .....       | 11,532           | 1,672                        | —                  | 9,860          | 230,785           | 203,453           | —                  | 33,332           |
| Texas <sup>2</sup> .....          | 10,346           | 4,475                        | —                  | 5,871          | 787,263           | 755,840           | —                  | 31,423           |
| <b>Mountain.....</b>              | <b>61,137</b>    | <b>44,366</b>                | <b>2,444</b>       | <b>14,327</b>  | <b>461,549</b>    | <b>271,359</b>    | <b>169,477</b>     | <b>21,713</b>    |
| Montana.....                      | 10,834           | 5,833                        | —                  | 5,001          | 68,061            | 35,001            | 29,334             | 2,726            |
| Idaho <sup>2</sup> .....          | 7,525            | 4,534                        | —                  | 3,191          | 74,817            | 33,853            | 36,211             | 4,253            |
| Wyoming <sup>2</sup> .....        | 5,597            | 4,245                        | —                  | 1,352          | 33,924            | 18,921            | 19,278             | 727              |
| Colorado.....                     | 8,162            | 7,355                        | —                  | 807            | 127,239           | 76,571            | 44,988             | 5,680            |
| New Mexico.....                   | 12,232           | 10,752                       | 1,157              | 323            | 20,728            | 17,889            | 7,056              | 1,183            |
| Arizona <sup>2</sup> .....        | 3,708            | 301                          | 1,257              | 2,120          | 74,768            | 51,123            | 22,251             | 1,394            |
| Utah.....                         | 11,445           | 10,625                       | —                  | 920            | 42,273            | 30,166            | 8,546              | 3,566            |
| Nevada <sup>2</sup> .....         | 1,634            | 1,021                        | —                  | 613            | 9,234             | 6,835             | 215                | 2,184            |
| <b>Pacific.....</b>               | <b>216,435</b>   | <b>209,939</b>               | <b>541</b>         | <b>5,904</b>   | <b>1,387,970</b>  | <b>1,285,179</b>  | <b>105,218</b>     | <b>47,573</b>    |
| Washington.....                   | 8,257            | 7,850                        | —                  | 907            | 216,512           | 173,197           | 22,433             | 20,882           |
| Oregon <sup>2</sup> .....         | 80,999           | 68,749                       | —                  | 2,250          | 180,106           | 124,515           | 45,721             | 9,870            |
| California.....                   | 147,179          | 143,891                      | 541                | 2,747          | 991,352           | 937,467           | 37,064             | 16,821           |

<sup>1</sup> Includes debt to public trust funds and other debt classified as "floating" in figures for State debts from the annual surveys shown in Table 221.

<sup>2</sup> Data for the fiscal year 1931.

Source: Bureau of the Census, Department of Commerce.

**No. 218.—DEBTS OF STATE AND LOCAL GOVERNMENTS: GROSS DEBT LESS SINKING FUND ASSETS OF STATES, COUNTIES, CITIES, TOWNS, VILLAGES, BOROUGH, TOWNSHIPS, SCHOOL DISTRICTS, AND ALL OTHER CIVIL DIVISIONS COMBINED**

| Division and State              | Amount (thousands of dollars) |           |           |           |            | Per capita (dollars) |       |        |        |        |
|---------------------------------|-------------------------------|-----------|-----------|-----------|------------|----------------------|-------|--------|--------|--------|
|                                 | 1890                          | 1902      | 1912      | 1922      | 1932       | 1890                 | 1902  | 1912   | 1922   | 1932   |
| <b>Grand total</b> .....        | 1,137,300                     | 1,886,035 | 3,821,897 | 5,689,740 | 17,578,839 | 18.16                | 23.73 | 39.37  | 79.92  | 141.17 |
| <b>New England</b> .....        | 148,524                       | 301,478   | 390,980   | 550,709   | 831,097    | 31.80                | 52.52 | 58.95  | 72.46  | 100.81 |
| Maine.....                      | 15,772                        | 15,047    | 22,795    | 42,437    | 64,529     | 23.86                | 21.46 | 30.08  | 54.90  | 80.89  |
| New Hampshire.....              | 5,143                         | 11,413    | 11,300    | 16,123    | 31,735     | 21.64                | 27.27 | 25.87  | 36.18  | 67.81  |
| Vermont.....                    | 3,785                         | 5,217     | 6,981     | 11,994    | 27,180     | 11.98                | 15.09 | 19.39  | 34.03  | 75.50  |
| Massachusetts.....              | 84,095                        | 209,763   | 267,129   | 329,942   | 436,000    | 37.66                | 72.72 | 76.28  | 84.04  | 101.77 |
| Rhode Island.....               | 12,999                        | 28,150    | 30,710    | 49,239    | 110,353    | 37.62                | 62.67 | 62.99  | 79.38  | 158.55 |
| Connecticut.....                | 23,725                        | 31,888    | 52,036    | 100,954   | 160,700    | 31.79                | 33.89 | 44.03  | 70.33  | 98.59  |
| <b>Middle Atlantic</b> .....    | 321,693                       | 645,887   | 1,548,580 | 2,618,431 | 5,842,169  | 25.33                | 40.15 | 75.28  | 114.19 | 219.07 |
| New York.....                   | 201,256                       | 437,372   | 1,132,432 | 1,953,820 | 3,477,233  | 33.55                | 67.04 | 116.59 | 168.15 | 271.40 |
| New Jersey.....                 | 49,268                        | 81,204    | 170,169   | 382,172   | 1,161,231  | 34.09                | 40.85 | 81.89  | 116.40 | 273.61 |
| Pennsylvania.....               | 71,180                        | 127,311   | 245,979   | 550,439   | 1,213,705  | 13.54                | 19.55 | 90.34  | 61.28  | 124.82 |
| <b>East North Central</b> ..... | 165,229                       | 288,980   | 548,615   | 1,052,555 | 3,352,156  | 12.26                | 17.61 | 38.79  | 74.42  | 139.51 |
| Ohio.....                       | 70,927                        | 117,230   | 239,667   | 609,443   | 875,037    | 19.32                | 27.55 | 48.27  | 112.25 | 129.89 |
| Indiana.....                    | 24,472                        | 34,828    | 67,404    | 152,792   | 199,934    | 11.15                | 13.48 | 24.41  | 51.21  | 60.87  |
| Illinois.....                   | 42,408                        | 90,715    | 139,480   | 304,019   | 1,280,544  | 11.10                | 16.08 | 23.62  | 54.60  | 166.59 |
| Michigan.....                   | 10,942                        | 34,839    | 59,997    | 101,778   | 752,306    | 8.09                 | 14.07 | 20.49  | 94.91  | 157.06 |
| Wisconsin.....                  | 10,421                        | 22,348    | 40,067    | 104,523   | 205,236    | 6.18                 | 10.48 | 16.56  | 38.81  | 69.10  |
| <b>West North Central</b> ..... | 155,700                       | 178,902   | 282,971   | 851,543   | 1,215,276  | 17.62                | 18.91 | 23.62  | 68.83  | 90.88  |
| Minnesota.....                  | 26,238                        | 40,684    | 70,364    | 269,605   | 285,112    | 20.12                | 22.07 | 32.26  | 109.99 | 117.40 |
| Iowa.....                       | 11,271                        | 17,440    | 35,426    | 151,614   | 241,991    | 5.90                 | 7.84  | 15.94  | 52.11  | 97.60  |
| Missouri.....                   | 51,558                        | 50,397    | 61,622    | 118,276   | 334,285    | 19.24                | 15.79 | 18.37  | 34.46  | 91.53  |
| North Dakota.....               | 3,855                         | 5,608     | 13,261    | 40,266    | 36,211     | 21.10                | 15.11 | 20.97  | 90.89  | 92.64  |
| South Dakota.....               | 6,614                         | 6,584     | 12,085    | 50,554    | 51,087     | 20.10                | 11.56 | 19.72  | 78.09  | 73.05  |
| Nebraska.....                   | 15,637                        | 22,415    | 36,745    | 97,755    | 110,505    | 14.67                | 21.01 | 29.80  | 73.93  | 78.73  |
| Kansas.....                     | 40,029                        | 35,774    | 52,868    | 123,470   | 156,104    | 28.47                | 24.42 | 31.36  | 69.16  | 82.51  |
| <b>South Atlantic</b> .....     | 165,454                       | 159,209   | 255,195   | 743,218   | 1,947,545  | 18.68                | 14.79 | 20.09  | 51.61  | 121.90 |
| Delaware.....                   | 2,619                         | 4,145     | 6,860     | 22,451    | 20,088     | 17.32                | 22.04 | 32.98  | 98.32  | 121.20 |
| Maryland.....                   | 41,292                        | 30,643    | 59,546    | 120,954   | 261,188    | 30.61                | 25.18 | 44.76  | 81.43  | 158.28 |
| District of Columbia.....       | 19,781                        | 14,540    | 9,061     | 156       | 156        | 16.85                | 60.42 | 28.03  | 30     | 30     |
| Virginia.....                   | 61,697                        | 47,481    | 61,930    | 119,115   | 181,242    | 31.16                | 25.07 | 29.09  | 50.93  | 74.49  |
| West Virginia.....              | 2,532                         | 4,768     | 11,195    | 70,512    | 151,594    | 8.32                 | 4.78  | 8.57   | 46.58  | 86.33  |
| North Carolina.....             | 11,124                        | 15,348    | 34,344    | 182,711   | 532,747    | 6.87                 | 7.88  | 14.88  | 69.03  | 164.84 |
| South Carolina.....             | 18,660                        | 15,751    | 21,287    | 66,010    | 171,699    | 11.87                | 11.43 | 13.54  | 37.64  | 93.45  |
| Georgia.....                    | 20,272                        | 21,288    | 32,548    | 64,088    | 106,985    | 11.03                | 9.29  | 11.89  | 21.96  | 36.76  |
| Florida.....                    | 2,277                         | 5,247     | 18,424    | 98,269    | 513,022    | 5.81                 | 9.36  | 22.72  | 95.96  | 337.74 |
| <b>East South Central</b> ..... | 74,126                        | 91,056    | 160,890   | 370,553   | 837,098    | 11.53                | 11.54 | 18.51  | 41.17  | 82.80  |
| Kentucky.....                   | 19,433                        | 22,842    | 30,031    | 50,519    | 113,418    | 10.46                | 10.36 | 12.85  | 20.68  | 43.04  |
| Tennessee.....                  | 20,644                        | 32,717    | 59,098    | 133,337   | 323,498    | 16.71                | 15.79 | 26.41  | 58.27  | 122.30 |
| Alabama.....                    | 18,956                        | 27,092    | 43,063    | 75,198    | 210,822    | 12.53                | 14.32 | 19.24  | 31.37  | 78.75  |
| Mississippi.....                | 6,193                         | 8,404     | 28,628    | 111,499   | 179,362    | 4.81                 | 5.24  | 15.25  | 62.27  | 88.27  |
| <b>West South Central</b> ..... | 61,023                        | 83,002    | 237,435   | 704,546   | 1,558,755  | 18.43                | 12.05 | 94.95  | 66.70  | 125.98 |
| Arkansas.....                   | 7,600                         | 4,225     | 13,813    | 91,280    | 255,869    | 6.73                 | 3.13  | 8.32   | 51.03  | 137.20 |
| Louisiana.....                  | 33,335                        | 37,777    | 75,007    | 126,946   | 390,411    | 20.80                | 26.34 | 42.97  | 69.18  | 169.05 |
| Oklahoma.....                   | 1,549                         | 4,549     | 60,721    | 129,977   | 194,084    | 1.57                 | 5.07  | 31.32  | 61.76  | 79.77  |
| Texas.....                      | 20,093                        | 36,450    | 87,894    | 356,343   | 748,391    | 8.99                 | 11.35 | 21.07  | 73.71  | 125.93 |
| <b>Mountain</b> .....           | 23,978                        | 56,786    | 113,770   | 372,776   | 487,047    | 20.74                | 32.16 | 38.29  | 106.39 | 130.81 |
| Montana.....                    | 2,928                         | 8,921     | 18,146    | 65,229    | 71,269     | 22.15                | 33.87 | 43.29  | 110.20 | 132.57 |
| Idaho.....                      | 1,594                         | 3,884     | 14,131    | 62,193    | 78,450     | 18.89                | 22.02 | 37.30  | 136.24 | 175.90 |
| Wyoming.....                    | 1,647                         | 2,566     | 4,324     | 19,128    | 43,099     | 27.14                | 26.66 | 26.48  | 93.02  | 187.81 |
| Colorado.....                   | 9,458                         | 22,067    | 39,647    | 99,198    | 129,505    | 22.95                | 39.06 | 44.89  | 101.78 | 123.81 |
| New Mexico.....                 | 2,832                         | 4,580     | 7,662     | 25,010    | 36,943     | 18.44                | 22.64 | 20.70  | 67.86  | 85.91  |
| Arizona.....                    | 2,938                         | 6,592     | 10,389    | 44,973    | 71,777     | 49.28                | 50.75 | 45.01  | 124.61 | 160.93 |
| Utah.....                       | 1,218                         | 6,613     | 15,288    | 50,041    | 48,149     | 5.85                 | 22.81 | 37.77  | 106.85 | 89.78  |
| Nevada.....                     | 1,365                         | 1,564     | 3,183     | 7,004     | 9,945      | 29.83                | 27.97 | 33.60  | 90.49  | 108.10 |
| <b>Pacific</b> .....            | 21,468                        | 58,757    | 286,551   | 827,411   | 1,515,696  | 11.48                | 23.30 | 60.08  | 141.93 | 179.14 |
| Washington.....                 | 3,419                         | 28,557    | 95,971    | 169,053   | 217,431    | 9.78                 | 63.71 | 71.37  | 120.21 | 137.27 |
| Oregon.....                     | 2,480                         | 11,302    | 43,828    | 138,094   | 198,849    | 7.90                 | 26.11 | 57.80  | 170.69 | 204.79 |
| California.....                 | 15,569                        | 17,898    | 146,752   | 520,254   | 1,098,416  | 12.89                | 11.60 | 55.01  | 142.81 | 186.15 |

<sup>1</sup> Indebtedness of local governments. Sinking fund assets of State governments exceeded the gross debt.

<sup>2</sup> No State indebtedness reported; the Virginia-West Virginia debt settlement was not made until 1919.

<sup>3</sup> Includes \$853,000 indebtedness of local governments in Indian Territory reported separately in 1902.

Source: Bureau of the Census, Department of Commerce.

# No. 219.—DEBTS OF LOCAL GOVERNMENTS: COMBINED GROSS DEBT LESS SINKING FUND ASSETS OF ALL CIVIL DIVISIONS

NOTE.—Debts of State governments are not included in this table but are included in Table 218

| Division and State              | Amount (thousands of dollars) |           |           |           |            | Per capita (dollars) |       |        |        |        |
|---------------------------------|-------------------------------|-----------|-----------|-----------|------------|----------------------|-------|--------|--------|--------|
|                                 | 1890                          | 1902      | 1912      | 1922      | 1932       | 1890                 | 1902  | 1912   | 1922   | 1932   |
| <b>Grand total</b> .....        | 825,990                       | 1,830,070 | 3,475,964 | 7,754,196 | 15,215,881 | 14.79                | 20.74 | 35.81  | 71.61  | 122.21 |
| <b>New England</b> .....        | 138,089                       | 226,518   | 295,391   | 440,251   | 708,057    | 27.25                | 39.40 | 43.03  | 57.92  | 85.89  |
| Maine.....                      | 12,130                        | 12,261    | 21,543    | 29,551    | 37,310     | 18.35                | 17.49 | 28.42  | 38.21  | 46.64  |
| New Hampshire.....              | 5,457                         | 9,862     | 9,345     | 13,105    | 25,230     | 14.49                | 23.56 | 21.40  | 30.47  | 53.91  |
| Vermont.....                    | 3,637                         | 4,854     | 6,411     | 9,882     | 17,036     | 10.94                | 14.03 | 17.81  | 23.04  | 43.99  |
| Massachusetts.....              | 74,283                        | 143,799   | 187,578   | 252,946   | 373,744    | 33.18                | 49.85 | 52.86  | 63.96  | 87.12  |
| Rhode Island.....               | 12,619                        | 25,530    | 26,589    | 39,901    | 93,546     | 36.52                | 56.84 | 44.15  | 64.32  | 134.41 |
| Connecticut.....                | 19,963                        | 30,210    | 44,925    | 94,896    | 160,592    | 26.75                | 32.11 | 38.01  | 66.09  | 98.52  |
| <b>Middle Atlantic</b> .....    | 314,738                       | 637,311   | 1,461,733 | 2,363,566 | 5,241,045  | 24.78                | 39.82 | 71.06  | 103.15 | 196.63 |
| New York.....                   | 199,455                       | 429,185   | 1,046,227 | 1,497,278 | 3,014,165  | 33.25                | 56.56 | 107.71 | 140.63 | 235.26 |
| New Jersey.....                 | 48,311                        | 81,204    | 169,527   | 305,817   | 1,089,033  | 33.43                | 40.85 | 61.66  | 111.42 | 203.56 |
| Pennsylvania.....               | 66,973                        | 126,922   | 245,979   | 500,471   | 1,137,847  | 12.74                | 19.49 | 30.34  | 55.72  | 117.01 |
| <b>East North Central</b> ..... | 140,270                       | 271,361   | 528,510   | 1,553,108 | 3,068,580  | 10.41                | 16.48 | 27.84  | 70.13  | 118.00 |
| Ohio.....                       | 63,930                        | 112,545   | 234,525   | 639,300   | 807,341    | 17.41                | 20.45 | 47.23  | 107.20 | 123.74 |
| Indiana.....                    | 15,904                        | 31,914    | 66,053    | 150,467   | 194,304    | 7.25                 | 12.36 | 23.93  | 50.43  | 59.42  |
| Illinois.....                   | 40,657                        | 75,560    | 137,208   | 350,139   | 1,099,140  | 10.63                | 15.65 | 23.24  | 52.58  | 138.01 |
| Michigan.....                   | 11,634                        | 28,272    | 52,908    | 310,844   | 721,724    | 5.56                 | 11.42 | 18.02  | 80.84  | 145.45 |
| Wisconsin.....                  | 8,145                         | 20,070    | 37,816    | 102,359   | 204,051    | 4.83                 | 9.41  | 15.63  | 38.00  | 68.70  |
| <b>West North Central</b> ..... | 138,308                       | 168,070   | 274,790   | 776,862   | 1,012,068  | 15.56                | 15.94 | 22.94  | 60.97  | 75.08  |
| Minnesota.....                  | 23,812                        | 38,929    | 69,018    | 249,300   | 244,956    | 18.20                | 21.12 | 31.64  | 101.70 | 94.87  |
| Iowa.....                       | 11,025                        | 17,390    | 35,069    | 150,157   | 225,496    | 5.77                 | 7.82  | 15.78  | 61.52  | 91.00  |
| Missouri.....                   | 39,708                        | 46,031    | 66,951    | 87,820    | 230,902    | 14.85                | 14.42 | 16.98  | 26.58  | 63.24  |
| North Dakota.....               | 3,139                         | 4,640     | 12,441    | 34,353    | 31,206     | 17.18                | 12.67 | 18.83  | 51.95  | 45.62  |
| South Dakota.....               | 5,742                         | 6,127     | 12,815    | 35,123    | 35,577     | 17.46                | 14.49 | 19.15  | 54.25  | 50.90  |
| Nebraska.....                   | 15,253                        | 20,410    | 36,371    | 96,717    | 109,577    | 14.43                | 19.13 | 29.50  | 73.14  | 79.06  |
| Kansas.....                     | 39,509                        | 36,143    | 52,625    | 123,392   | 134,294    | 27.60                | 23.90 | 31.22  | 69.11  | 70.98  |
| <b>South Atlantic</b> .....     | 95,235                        | 107,584   | 203,263   | 619,586   | 1,548,501  | 10.75                | 9.99  | 15.94  | 44.38  | 96.80  |
| Delaware.....                   | 2,031                         | 3,383     | 6,097     | 15,617    | 27,016     | 12.06                | 17.99 | 20.31  | 72.42  | 112.57 |
| Maryland.....                   | 33,741                        | 26,701    | 52,212    | 95,825    | 226,970    | 32.37                | 21.12 | 30.25  | 66.53  | 139.36 |
| District of Columbia.....       | 10,781                        | 14,540    | 9,061     | 158       | —          | 85.80                | 50.42 | 26.03  | —      | —      |
| Virginia.....                   | 16,010                        | 23,934    | 39,887    | 97,359    | 155,259    | 10.03                | 12.64 | 18.73  | 41.14  | 63.81  |
| West Virginia.....              | 2,348                         | 4,768     | 11,165    | 45,331    | 65,200     | 3.08                 | 4.78  | 8.57   | 30.26  | 37.13  |
| North Carolina.....             | 3,414                         | 8,593     | 26,285    | 147,998   | 368,213    | 2.11                 | 4.41  | 11.39  | 55.91  | 113.93 |
| South Carolina.....             | 6,342                         | 9,021     | 15,097    | 56,281    | 93,715     | 5.51                 | 6.55  | 9.00   | 32.69  | 53.74  |
| Georgia.....                    | 9,823                         | 13,410    | 25,614    | 58,619    | 94,497     | 6.36                 | 6.85  | 9.36   | 19.74  | 32.47  |
| Florida.....                    | 1,145                         | 4,214     | 17,805    | 97,400    | 512,631    | 2.92                 | 7.52  | 21.96  | 95.11  | 337.48 |
| <b>East South Central</b> ..... | 36,638                        | 65,179    | 126,973   | 313,569   | 686,180    | 5.70                 | 7.10  | 14.61  | 34.84  | 69.86  |
| Kentucky.....                   | 17,762                        | 20,550    | 25,588    | 42,774    | 97,194     | 9.56                 | 9.32  | 10.95  | 17.51  | 36.80  |
| Tennessee.....                  | 9,848                         | 14,733    | 47,287    | 114,195   | 229,464    | 5.57                 | 7.11  | 21.13  | 48.20  | 86.75  |
| Alabama.....                    | 6,518                         | 14,366    | 29,930    | 69,065    | 128,480    | 4.31                 | 7.59  | 13.37  | 24.83  | 47.09  |
| Mississippi.....                | 2,608                         | 5,527     | 24,168    | 96,635    | 143,042    | 1.95                 | 3.45  | 12.88  | 58.97  | 70.39  |
| <b>West South Central</b> ..... | 35,338                        | 63,715    | 211,066   | 676,053   | 1,258,834  | 7.78                 | 9.25  | 22.18  | 64.00  | 104.17 |
| Arkansas.....                   | 2,157                         | 3,034     | 12,577    | 38,558    | 91,446     | 1.91                 | 2.25  | 7.58   | 49.51  | 49.03  |
| Louisiana.....                  | 17,327                        | 24,184    | 61,461    | 112,117   | 276,668    | 15.49                | 16.86 | 35.21  | 61.10  | 129.77 |
| Oklahoma.....                   | —                             | 4,040     | 53,790    | 125,180   | 182,646    | —                    | 4.50  | 27.74  | 50.48  | 75.07  |
| Texas.....                      | 15,855                        | 32,457    | 83,238    | 350,198   | 738,074    | 7.09                 | 10.11 | 19.95  | 72.44  | 124.19 |
| <b>Mountain</b> .....           | 19,003                        | 45,463    | 99,497    | 322,230   | 436,308    | 16.43                | 25.75 | 33.78  | 81.96  | 116.64 |
| Montana.....                    | 2,751                         | 7,717     | 10,633    | 57,650    | 61,953     | 20.82                | 29.30 | 39.68  | 97.40  | 115.24 |
| Idaho.....                      | 1,375                         | 3,560     | 11,987    | 54,520    | 71,489     | 16.30                | 20.18 | 31.64  | 119.43 | 160.29 |
| Wyoming.....                    | 1,327                         | 2,266     | 4,202     | 15,117    | 37,441     | 21.87                | 23.54 | 25.73  | 73.52  | 163.50 |
| Colorado.....                   | 7,811                         | 18,299    | 36,473    | 87,179    | 122,758    | 18.95                | 32.34 | 41.29  | 89.91  | 117.36 |
| New Mexico.....                 | 1,923                         | 3,581     | 6,444     | 20,056    | 25,539     | 12.77                | 17.70 | 17.41  | 54.42  | 69.39  |
| Arizona.....                    | 2,151                         | 3,492     | 7,324     | 42,233    | 68,101     | 36.58                | 26.89 | 31.73  | 117.02 | 152.69 |
| Utah.....                       | 797                           | 5,638     | 13,859    | 40,222    | 40,455     | 3.69                 | 19.46 | 34.24  | 86.89  | 78.71  |
| Nevada.....                     | 828                           | 940       | 2,575     | 5,253     | 8,575      | 18.09                | 22.21 | 27.19  | 67.87  | 93.21  |
| <b>Pacific</b> .....            | 18,371                        | 54,294    | 274,741   | 688,970   | 1,328,328  | 9.82                 | 21.58 | 57.81  | 117.60 | 155.99 |
| Washington.....                 | 2,846                         | 28,285    | 94,415    | 155,872   | 209,174    | 8.14                 | 51.40 | 70.21  | 110.83 | 132.05 |
| Oregon.....                     | 2,478                         | 11,066    | 43,797    | 98,111    | 165,461    | 7.90                 | 25.57 | 57.86  | 121.27 | 170.40 |
| California.....                 | 13,047                        | 14,943    | 136,529   | 434,987   | 953,693    | 10.80                | 9.71  | 51.18  | 119.40 | 161.48 |

<sup>1</sup> Includes \$353,000 indebtedness of local governments in Indian Territory reported separately in 1902.

Source: Bureau of the Census, Department of Commerce.

### No. 220.—DEBT OF LOCAL GOVERNMENTS BY CLASSES OF CIVIL DIVISIONS: GROSS DEBT LESS SINKING FUND ASSETS, 1932

NOTE.—All figures in thousands of dollars. For combined total, see Table 219

| Division and State             | Counties         | Cities, towns, villages, and boroughs | Other local      | Division and State             | Counties       | Cities, towns, villages, and boroughs | Other local    |
|--------------------------------|------------------|---------------------------------------|------------------|--------------------------------|----------------|---------------------------------------|----------------|
| <b>Grand total.....</b>        | <b>2,390,830</b> | <b>8,842,189</b>                      | <b>3,982,882</b> | <b>South Atlantic—Con.</b>     |                |                                       |                |
| New England.....               | 17,213           | 595,840                               | 95,004           | Virginia.....                  | 30,296         | 124,021                               | 942            |
| Maine.....                     | 2,712            | 16,227                                | 18,370           | West Virginia.....             | 34,245         | 15,422                                | 15,533         |
| New Hampshire.....             | 1,648            | 13,738                                | 9,844            | North Carolina.....            | 158,869        | 164,860                               | 44,494         |
| Vermont.....                   | 140              | 8,794                                 | 8,701            | South Carolina.....            | 31,242         | 43,562                                | 18,911         |
| Massachusetts.....             | 9,774            | 360,739                               | 3,231            | Georgia.....                   | 34,670         | 42,844                                | 16,983         |
| Rhode Island.....              |                  | 93,107                                | 439              | Florida.....                   | 93,990         | 252,512                               | 169,129        |
| Connecticut.....               | 2,938            | 103,235                               | 54,419           | <b>East South Central.....</b> | <b>256,492</b> | <b>268,020</b>                        | <b>43,758</b>  |
| <b>Middle Atlantic.....</b>    | <b>584,862</b>   | <b>3,759,016</b>                      | <b>897,377</b>   | Kentucky.....                  | 33,202         | 53,205                                | 10,787         |
| New York.....                  | 228,811          | 2,404,909                             | 320,745          | Tennessee.....                 | 104,322        | 119,412                               | 5,730          |
| New Jersey.....                | 171,128          | 630,739                               | 281,166          | Alabama.....                   | 45,730         | 82,750                                |                |
| Pennsylvania.....              | 185,013          | 657,368                               | 295,466          | Mississippi.....               | 73,148         | 42,653                                | 27,241         |
| <b>East North Central.....</b> | <b>421,671</b>   | <b>1,680,783</b>                      | <b>1,004,096</b> | <b>West South Central.....</b> | <b>268,393</b> | <b>467,497</b>                        | <b>562,944</b> |
| Ohio.....                      | 146,038          | 461,579                               | 259,724          | Arkansas.....                  | 5,829          | 5,700                                 | 79,917         |
| Indiana.....                   | 42,140           | 47,455                                | 104,709          | Louisiana.....                 | 11,121         | 108,727                               | 155,820        |
| Illinois.....                  | 76,717           | 490,218                               | 503,205          | Oklahoma.....                  | 43,570         | 77,855                                | 61,221         |
| Michigan.....                  | 76,918           | 522,973                               | 121,828          | Texas.....                     | 197,873        | 274,215                               | 265,986        |
| Wisconsin.....                 | 80,858           | 108,568                               | 14,630           | <b>Mountain.....</b>           | <b>55,303</b>  | <b>148,969</b>                        | <b>232,036</b> |
| <b>West North Central.....</b> | <b>272,222</b>   | <b>433,212</b>                        | <b>306,634</b>   | Montana.....                   | 15,113         | 15,599                                | 31,241         |
| Minnesota.....                 | 67,926           | 133,446                               | 43,684           | Idaho.....                     | 8,890          | 10,372                                | 52,227         |
| Iowa.....                      | 121,762          | 42,344                                | 61,890           | Wyoming.....                   | 1,566          | 12,694                                | 23,191         |
| Missouri.....                  | 37,270           | 117,643                               | 76,040           | Colorado.....                  | 3,190          | 61,510                                | 58,058         |
| North Dakota.....              | 3,777            | 13,622                                | 13,807           | New Mexico.....                | 3,965          | 9,531                                 | 12,040         |
| South Dakota.....              | 6,263            | 10,066                                | 19,308           | Arizona.....                   | 16,636         | 18,822                                | 32,643         |
| Nebraska.....                  | 6,485            | 48,261                                | 54,631           | Utah.....                      | 4,117          | 18,079                                | 17,659         |
| Kansas.....                    | 28,730           | 67,890                                | 37,674           | Nevada.....                    | 1,826          | 1,772                                 | 4,977          |
| <b>South Atlantic.....</b>     | <b>432,823</b>   | <b>839,008</b>                        | <b>274,070</b>   | <b>Pacific.....</b>            | <b>92,161</b>  | <b>668,234</b>                        | <b>566,943</b> |
| Delaware.....                  | 9,635            | 16,073                                | 1,308            | Washington.....                | 21,008         | 118,161                               | 79,005         |
| Maryland.....                  | 30,888           | 180,314                               | 9,770            | Oregon.....                    | 26,069         | 78,029                                | 61,373         |
|                                |                  |                                       |                  | California.....                | 45,084         | 473,044                               | 435,565        |

### No. 221.—DEBT OF STATE GOVERNMENTS: GROSS DEBT, SINKING FUND ASSETS, AND DEBT LESS SINKING FUND OF THE 48 STATES COMBINED

[All figures except per capita in thousands of dollars]

| Year              | Gross debt |                              |                            |                              |                      | Sinking-fund assets | Gross debt less total sinking-fund assets |            | Funded and floating, less assets in general sinking funds |                  |
|-------------------|------------|------------------------------|----------------------------|------------------------------|----------------------|---------------------|-------------------------------------------|------------|-----------------------------------------------------------|------------------|
|                   | Total      | Funded or fixed <sup>1</sup> | Floating                   |                              | Current <sup>2</sup> |                     | Amount                                    | Per capita | Amount                                                    | Per capita       |
|                   |            |                              | Debt to public trust funds | Other float ing <sup>3</sup> |                      |                     |                                           |            |                                                           |                  |
| 1880              | 306,017    | 261,066                      | 25,723                     | -----                        | 19,198               | 31,271              | 274,746                                   | \$5.48     | -----                                                     | -----            |
| 1890              | 258,195    | 204,641                      | 33,642                     | -----                        | 19,912               | 46,985              | 211,210                                   | 3.37       | -----                                                     | -----            |
| 1892 <sup>4</sup> | 274,140    | 163,819                      | 40,808                     | -----                        | 69,522               | 34,869              | 239,271                                   | 3.03       | -----                                                     | -----            |
| 1906              | 278,135    | 228,831                      | 38,262                     | -----                        | 11,052               | 39,265              | 238,870                                   | 2.85       | -----                                                     | -----            |
| 1910              | 322,949    | 271,807                      | 39,486                     | -----                        | 11,856               | 66,814              | 256,135                                   | 2.78       | -----                                                     | -----            |
| 1912              | 422,797    | 290,494                      | 38,530                     | -----                        | 93,773               | 76,981              | 345,816                                   | 3.57       | -----                                                     | -----            |
| 1915              | 532,713    | 408,156                      | 33,508                     | 147                          | 95,902               | 88,038              | 444,675                                   | 4.52       | 369,246                                                   | \$3.75           |
| 1919              | 693,623    | 547,346                      | 40,648                     | 612                          | 105,017              | 146,677             | 546,946                                   | 6.20       | 466,875                                                   | 4.44             |
| 1922              | 1,162,648  | 985,859                      | 42,068                     | -----                        | 134,721              | 227,105             | 935,543                                   | 8.04       | 833,680                                                   | 7.70             |
| 1924              | 1,592,043  | 1,358,932                    | 43,459                     | 1,490                        | 188,762              | 310,942             | 1,281,701                                 | 11.52      | 1,130,094                                                 | 10.16            |
| 1925              | 1,745,051  | 1,508,127                    | 46,306                     | 1,225                        | 189,093              | 346,687             | 1,398,364                                 | 12.42      | 1,248,002                                                 | 11.09            |
| 1926              | 1,858,037  | 1,609,764                    | 39,635                     | 13,143                       | 195,495              | 378,056             | 1,479,981                                 | 12.77      | 1,327,514                                                 | 11.46            |
| 1927              | 1,995,428  | 1,725,729                    | 39,378                     | 34,903                       | 195,418              | 401,697             | 1,593,731                                 | 13.59      | 1,444,927                                                 | 12.32            |
| 1928              | 2,144,332  | 1,867,261                    | 38,476                     | 42,191                       | 199,374              | 410,556             | 1,733,777                                 | 14.01      | 1,584,585                                                 | 13.35            |
| 1929              | 2,300,057  | 1,971,170                    | 37,068                     | 46,677                       | 244,542              | 443,751             | 1,856,306                                 | 15.38      | 1,689,575                                                 | 14.04            |
| 1930              | 2,444,122  | 2,094,495                    | 37,885                     | 106,226                      | 205,516              | 449,910             | 1,994,212                                 | 16.35      | 1,833,428                                                 | 15.03            |
| 1931              | 2,666,070  | 2,259,078                    | 37,769                     | 129,455                      | 239,768              | 496,293             | 2,169,784                                 | 17.61      | 1,976,544                                                 | 16.04            |
| 1932 <sup>5</sup> | 2,895,845  | 2,499,416                    | ( <sup>6</sup> )           | ( <sup>7</sup> )             | 396,429              | 534,887             | 2,360,958                                 | 19.07      | ( <sup>8</sup> )                                          | ( <sup>9</sup> ) |

<sup>1</sup> Prior to 1925, contingent or special assessment debt was included with funded and fixed debt. In this table, it has been excluded from funded and fixed and included with current debt, except for 1880, 1890, 1905, and 1910, when no segregation could be made.

<sup>2</sup> Includes special assessment debt, revenue bonds and notes, and warrants.

<sup>3</sup> Not segregated prior to 1915; included with funded and fixed.

<sup>4</sup> Revised figures.

<sup>5</sup> There was an excess of sinking fund assets over debt in one State.

<sup>6</sup> Includes figures for the fiscal year 1931 for 18 States. See Table 222.

<sup>7</sup> Funded or fixed includes floating.

<sup>8</sup> Not computed.

Source of tables 220 and 221: Bureau of the Census, Department of Commerce.

## No. 222.—DEBT OF STATE GOVERNMENTS: GROSS DEBT LESS SINKING FUND ASSETS

| Division and State             | Total (thousands of dollars) |                  |                |                     |                      | Per capita (dollars) |              |              |              |                    |
|--------------------------------|------------------------------|------------------|----------------|---------------------|----------------------|----------------------|--------------|--------------|--------------|--------------------|
|                                | 1902                         | 1912             | 1922           | 1931                | 1932                 | 1902                 | 1912         | 1922         | 1931         | 1932               |
| <b>Grand total.....</b>        | <b>234,985</b>               | <b>345,942</b>   | <b>335,544</b> | <b>2,169,784</b>    | <b>2,360,958</b>     | <b>2.99</b>          | <b>3.57</b>  | <b>8.84</b>  | <b>17.61</b> | <b>19.07</b>       |
| <b>New England.....</b>        | <b>74,981</b>                | <b>95,670</b>    | <b>110,458</b> | <b>120,965</b>      | <b>123,040</b>       | <b>13.08</b>         | <b>13.92</b> | <b>14.53</b> | <b>14.73</b> | <b>14.96</b>       |
| Maine.....                     | 2,785                        | 1,265            | 12,906         | 24,176              | 27,219               | 3.97                 | 1.87         | 18.09        | 30.26        | 34.32              |
| New Hampshire.....             | 1,551                        | 1,956            | 3,018          | 6,505               | <sup>1</sup> 6,505   | 3.71                 | 4.60         | 9.77         | 13.96        | <sup>1</sup> 13.96 |
| Vermont.....                   | 863                          | 570              | 2,112          | 9,582               | 9,545                | 1.05                 | 1.58         | 5.99         | 27.73        | 26.51              |
| Massachusetts.....             | 65,954                       | 79,551           | 76,996         | 82,850              | <sup>1</sup> 82,850  | 22.87                | 22.78        | 19.38        | 14.69        | <sup>1</sup> 14.69 |
| Rhode Island.....              | 2,620                        | 5,127            | 9,338          | 16,722              | 16,807               | 5.83                 | 9.02         | 15.05        | 24.16        | 24.16              |
| Connecticut.....               | 1,678                        | 7,111            | 6,028          | 714                 | 108                  | 1.78                 | 6.12         | 4.24         | 44           | .07                |
| <b>Middle Atlantic.....</b>    | <b>8,578</b>                 | <b>86,847</b>    | <b>252,865</b> | <b>443,441</b>      | <b>401,124</b>       | <b>.63</b>           | <b>4.22</b>  | <b>11.04</b> | <b>18.76</b> | <b>22.55</b>       |
| New York.....                  | 8,187                        | 83,205           | 186,542        | 307,302             | 463,088              | 1.08                 | 9.05         | 17.52        | 24.20        | 36.14              |
| New Jersey.....                | ( <sup>2</sup> )             | 642              | 18,355         | 56,904              | 62,198               | —                    | .24          | 4.98         | 13.93        | 16.05              |
| Pennsylvania.....              | 389                          | ( <sup>2</sup> ) | 49,968         | 79,235              | 75,858               | .06                  | —            | 5.50         | 8.19         | 7.81               |
| <b>East North Central.....</b> | <b>18,598</b>                | <b>18,105</b>    | <b>89,446</b>  | <b>279,058</b>      | <b>295,596</b>       | <b>1.13</b>          | <b>.95</b>   | <b>4.49</b>  | <b>10.94</b> | <b>11.52</b>       |
| Ohio.....                      | 4,685                        | 5,142            | 30,143         | 7,090               | <sup>2</sup> 7,090   | 1.10                 | 1.05         | 5.05         | 1.15         | <sup>2</sup> 1.15  |
| Indiana.....                   | 2,914                        | 1,360            | 2,325          | 4,730               | <sup>2</sup> 4,730   | 1.13                 | .49          | .78          | 1.45         | <sup>2</sup> 1.45  |
| Illinois.....                  | 2,155                        | 2,273            | 13,890         | 198,321             | 221,044              | .43                  | .39          | 2.08         | 26.80        | 28.68              |
| Michigan.....                  | 6,566                        | 7,089            | 50,934         | 67,047              | 60,552               | 2.65                 | 2.41         | 13.25        | 13.68        | 12.21              |
| Wisconsin.....                 | 2,278                        | 2,251            | 2,184          | 1,264               | 1,184                | 1.07                 | .93          | .80          | .43          | .40                |
| <b>West North Central.....</b> | <b>10,233</b>                | <b>8,180</b>     | <b>74,681</b>  | <b>179,008</b>      | <b>203,260</b>       | <b>.97</b>           | <b>.68</b>   | <b>8.88</b>  | <b>13.42</b> | <b>15.20</b>       |
| Minnesota.....                 | 1,755                        | 1,345            | 20,308         | 15,823              | 40,156               | .95                  | .63          | 8.28         | 6.15         | 15.55              |
| Iowa.....                      | 60                           | 357              | 1,457          | 16,760              | 16,496               | .02                  | 1.60         | .60          | 6.77         | 6.06               |
| Missouri.....                  | 4,388                        | 4,671            | 30,456         | 103,302             | <sup>1</sup> 103,302 | 1.37                 | 1.40         | 8.87         | 28.33        | <sup>2</sup> 28.33 |
| North Dakota.....              | 968                          | 820              | 5,913          | 4,137               | 6,005                | 2.64                 | 1.29         | 8.94         | 6.06         | 7.32               |
| South Dakota.....              | 457                          | 370              | 15,431         | 14,805              | 16,510               | 1.08                 | .58          | 23.84        | 21.27        | 22.19              |
| Nebraska.....                  | 2,005                        | 374              | 1,038          | 1,447               | 929                  | 1.88                 | .31          | .78          | 1.05         | .67                |
| Kansas.....                    | 632                          | 243              | 78             | 22,734              | 21,810               | .43                  | .14          | .04          | 12.05        | 11.53              |
| <b>South Atlantic.....</b>     | <b>51,645</b>                | <b>51,942</b>    | <b>123,830</b> | <b>428,632</b>      | <b>401,044</b>       | <b>4.88</b>          | <b>4.07</b>  | <b>8.85</b>  | <b>27.71</b> | <b>26.92</b>       |
| Delaware.....                  | 762                          | 763              | 5,834          | 8,241               | 2,072                | 4.06                 | 3.70         | 25.56        | 13.55        | 8.63               |
| Maryland.....                  | 4,943                        | 7,334            | 22,129         | 31,198              | <sup>2</sup> 31,198  | 4.06                 | 5.66         | 14.90        | 18.99        | <sup>2</sup> 18.99 |
| Virginia.....                  | 23,546                       | 22,043           | 21,756         | 27,077              | 25,983               | 12.76                | 10.46        | 9.19         | 11.16        | 10.63              |
| West Virginia.....             | —                            | —                | 24,181         | 85,358              | 86,394               | —                    | —            | 16.97        | 49.00        | 49.20              |
| North Carolina.....            | 6,755                        | 8,059            | 34,713         | 176,274             | 164,534              | 3.47                 | 3.54         | 13.11        | 55.07        | 50.91              |
| South Carolina.....            | 6,730                        | 6,190            | 8,729          | 77,064              | <sup>2</sup> 77,064  | 4.88                 | 3.98         | 5.06         | 44.74        | <sup>2</sup> 44.74 |
| Georgia.....                   | 7,878                        | 6,934            | 5,419          | 12,488              | <sup>2</sup> 12,488  | 3.44                 | 2.57         | 1.82         | 4.20         | <sup>2</sup> 4.20  |
| Florida.....                   | 1,033                        | 619              | 869            | <sup>2</sup> 13,017 | 391                  | 1.84                 | .77          | .86          | 8.72         | .20                |
| <b>East South Central.....</b> | <b>35,880</b>                | <b>33,946</b>    | <b>56,964</b>  | <b>220,128</b>      | <b>228,818</b>       | <b>4.62</b>          | <b>3.89</b>  | <b>6.33</b>  | <b>32.14</b> | <b>22.96</b>       |
| Kentucky.....                  | 2,291                        | 4,441            | 7,746          | 13,712              | 16,224               | 1.04                 | 1.90         | 3.17         | 6.23         | 6.16               |
| Tennessee.....                 | 17,985                       | 11,812           | 19,142         | 87,766              | 94,032               | 8.68                 | 5.32         | 8.08         | 33.37        | 35.55              |
| Alabama.....                   | 12,727                       | 13,182           | 15,233         | 82,342              | <sup>2</sup> 82,342  | 6.73                 | 5.95         | 6.36         | 30.90        | <sup>2</sup> 30.90 |
| Mississippi.....               | 2,877                        | 4,461            | 14,864         | 36,319              | <sup>2</sup> 36,319  | 1.79                 | 2.41         | 8.30         | 17.94        | <sup>2</sup> 17.94 |
| <b>West South Central.....</b> | <b>19,287</b>                | <b>26,369</b>    | <b>28,493</b>  | <b>265,585</b>      | <b>269,821</b>       | <b>2.80</b>          | <b>2.77</b>  | <b>2.70</b>  | <b>21.61</b> | <b>21.95</b>       |
| Arkansas.....                  | 1,191                        | 1,236            | 2,722          | 160,087             | 164,423              | .88                  | .76          | 1.52         | 56.07        | 58.10              |
| Louisiana.....                 | 13,693                       | 13,546           | 14,829         | 83,743              | <sup>2</sup> 83,743  | 4.48                 | 7.89         | 8.08         | 39.41        | 39.41              |
| Oklahoma.....                  | 510                          | 6,931            | 4,797          | 11,438              | <sup>2</sup> 11,438  | 1.10                 | 3.74         | 2.28         | 4.74         | <sup>2</sup> 4.74  |
| Texas.....                     | 3,993                        | 4,666            | 6,145          | 10,317              | <sup>2</sup> 10,317  | 1.24                 | 1.14         | 1.27         | 1.75         | <sup>2</sup> 1.75  |
| <b>Mountain.....</b>           | <b>11,822</b>                | <b>13,273</b>    | <b>50,546</b>  | <b>51,087</b>       | <b>50,739</b>        | <b>6.41</b>          | <b>4.51</b>  | <b>14.43</b> | <b>13.71</b> | <b>13.69</b>       |
| Montana.....                   | 1,204                        | 1,513            | 7,579          | 8,895               | 9,316                | 4.57                 | 3.73         | 12.80        | 16.49        | 17.83              |
| Idaho.....                     | 324                          | 2,143            | 7,673          | 9,951               | <sup>1</sup> 9,951   | 1.84                 | 5.92         | 16.81        | 15.61        | <sup>1</sup> 15.61 |
| Wyoming.....                   | 301                          | 122              | 4,011          | 5,568               | <sup>2</sup> 5,568   | 3.12                 | 1.77         | 19.50        | 24.42        | <sup>2</sup> 24.42 |
| Colorado.....                  | 3,797                        | 3,174            | 12,019         | 7,804               | 6,747                | 6.72                 | 3.70         | 12.33        | 7.50         | 6.45               |
| New Mexico.....                | 969                          | 1,218            | 4,964          | 11,110              | 11,407               | 4.94                 | 3.41         | 13.44        | 25.08        | 26.53              |
| Arizona.....                   | 3,069                        | 5,005            | 2,740          | 3,677               | <sup>2</sup> 3,677   | 23.86                | 13.28        | 7.59         | 8.34         | <sup>2</sup> 8.34  |
| Utah.....                      | 974                          | 1,430            | 9,910          | 5,682               | 5,694                | 3.36                 | 6.32         | 20.97        | 11.12        | 11.08              |
| Nevada.....                    | 624                          | 608              | 1,751          | 1,370               | <sup>2</sup> 1,370   | 14.70                | 6.70         | 22.62        | 14.89        | <sup>2</sup> 14.89 |
| <b>Pacific.....</b>            | <b>4,463</b>                 | <b>11,910</b>    | <b>138,441</b> | <b>183,940</b>      | <b>187,368</b>       | <b>1.77</b>          | <b>2.48</b>  | <b>23.63</b> | <b>22.09</b> | <b>22.17</b>       |
| Washington.....                | 1,272                        | 1,556            | 13,191         | 13,218              | 8,267                | 2.31                 | 1.21         | 9.35         | 8.41         | 5.22               |
| Oregon.....                    | 236                          | 81               | 39,983         | 33,383              | <sup>2</sup> 33,383  | .54                  | .04          | 40.42        | 34.80        | <sup>2</sup> 34.80 |
| California.....                | 2,955                        | 10,223           | 85,267         | 137,334             | 145,723              | 1.92                 | 3.83         | 23.41        | 23.72        | 24.07              |

<sup>1</sup> Revised figure \$239,360,000, not distributed by States.<sup>2</sup> Data for the fiscal year 1931.<sup>3</sup> Sinking fund assets exceed total debt.<sup>4</sup> Virginia-West Virginia debt settlement not made until 1919.<sup>5</sup> Includes debt incurred for drainage and reclamation purposes, amounting to \$11,723,000, which is to be met from assessments on benefited areas and which was reported as county debt for 1932. Excluding this special-assessment debt, the total State debt for 1931 was \$1,320,000, per capita, \$0.88.

Source: Bureau of the Census, Department of Commerce.

**No. 223.—DEBT OF STATE GOVERNMENTS: FUNDED, FLOATING, AND SPECIAL ASSESSMENT DEBT AT CLOSE OF YEAR, BY PURPOSE FOR WHICH INCURRED, 1931<sup>1</sup>**

**NOTE.**—All figures in thousands of dollars. The classification by purpose for many States is more or less imperfect owing to defective records of these States. The column "Other general purposes" includes, besides special-assessment indebtedness and debts which from their nature were not assignable to any of the specific classes shown, debt for which the purpose of issue could not be determined

| Division and State     | Total            | General government purposes | Agricultural purposes | Highways         |                | Charities, hospitals, and corrections <sup>2</sup> | Schools       | Soldiers' and sailors' aid and homes | Other general purposes | For public service enterprises and investments |
|------------------------|------------------|-----------------------------|-----------------------|------------------|----------------|----------------------------------------------------|---------------|--------------------------------------|------------------------|------------------------------------------------|
|                        |                  |                             |                       | Roadways         | All other      |                                                    |               |                                      |                        |                                                |
| <b>Grand total</b>     | <b>2,534,297</b> | <b>42,663</b>               | <b>4,123</b>          | <b>1,258,388</b> | <b>169,228</b> | <b>82,767</b>                                      | <b>56,528</b> | <b>225,498</b>                       | <b>402,242</b>         | <b>294,870</b>                                 |
| <b>New England</b>     | <b>198,922</b>   | <b>5,984</b>                |                       | <b>21,254</b>    | <b>10,530</b>  | <b>2,348</b>                                       | <b>2,137</b>  | <b>3,845</b>                         | <b>135,292</b>         | <b>17,732</b>                                  |
| Maine                  | 24,388           |                             |                       | 14,391           | 3,165          | 50                                                 | 213           | 301                                  | 1,413                  | 4,850                                          |
| N. Hampshire           | 6,510            |                             |                       | 3,500            |                | 476                                                | 91            |                                      | 2,449                  |                                                |
| Vermont                | 9,182            | 40                          |                       |                  |                |                                                    | 568           | 844                                  | 7,650                  | 80                                             |
| Massachusetts          | 120,801          | 568                         |                       | 1,713            | 2,774          | 1,523                                              |               |                                      | 102,355                | 11,990                                         |
| Rhode Island           | 21,654           | 5,378                       |                       | 1,650            | 4,591          | 299                                                | 1,260         | 2,500                                | 5,134                  | 842                                            |
| Connecticut            | 16,291           |                             |                       |                  |                |                                                    |               |                                      | 16,291                 |                                                |
| <b>Middle Atlantic</b> | <b>628,271</b>   | <b>14,548</b>               |                       | <b>285,463</b>   | <b>151,440</b> | <b>70,712</b>                                      | <b>2,915</b>  | <b>44,400</b>                        | <b>36,605</b>          | <b>49,200</b>                                  |
| New York               | 420,077          | 14,548                      |                       | 108,232          | 151,440        | 70,712                                             | 2,316         | 32,400                               | 36,231                 | 6,200                                          |
| New Jersey             | 118,216          |                             |                       | 70,000           |                |                                                    |               | 12,000                               | 216                    | 36,000                                         |
| Pennsylvania           | 89,978           |                             |                       | 89,221           |                |                                                    | 599           |                                      | 158                    |                                                |
| <b>E. N. Central</b>   | <b>299,860</b>   |                             | <b>1,950</b>          | <b>196,070</b>   | <b>7,000</b>   | <b>400</b>                                         | <b>1,977</b>  | <b>74,385</b>                        | <b>18,098</b>          | <b>12</b>                                      |
| Ohio                   | 8,046            |                             |                       |                  |                |                                                    |               | 2,500                                | 5,546                  |                                                |
| Indiana                | 3,278            |                             | 950                   |                  |                | 400                                                | 1,928         |                                      |                        |                                                |
| Illinois               | 195,856          |                             |                       | 148,070          | 7,000          |                                                    | 49            | 41,886                               | 1,520                  | 12                                             |
| Michigan               | 90,430           |                             | 1,000                 | 50,000           |                |                                                    |               | 30,000                               | 9,436                  |                                                |
| Wisconsin              | 1,264            |                             |                       |                  |                |                                                    |               |                                      | 1,264                  |                                                |
| <b>W. N. Central</b>   | <b>308,254</b>   | <b>75</b>                   |                       | <b>97,500</b>    | <b>186</b>     |                                                    | <b>1,728</b>  | <b>54,532</b>                        | <b>9,136</b>           | <b>143,097</b>                                 |
| Minnesota              | 71,162           | 75                          |                       | 9,000            |                |                                                    | 812           | 150                                  | 2,150                  | 58,985                                         |
| Iowa                   | 16,182           |                             |                       |                  |                |                                                    | 630           | 13,202                               | 2,350                  |                                                |
| Missouri               | 104,865          |                             |                       | 88,500           |                |                                                    | 288           | 11,680                               | 4,399                  |                                                |
| North Dakota           | 40,357           |                             |                       |                  |                |                                                    |               |                                      |                        | 40,357                                         |
| South Dakota           | 49,991           |                             |                       |                  | 186            |                                                    |               | 6,000                                |                        | 43,775                                         |
| Nebraska               | 237              |                             |                       |                  |                |                                                    |               |                                      | 237                    |                                                |
| Kansas                 | 23,500           |                             |                       |                  |                |                                                    |               | 23,500                               |                        |                                                |
| <b>South Atlantic</b>  | <b>420,721</b>   | <b>709</b>                  |                       | <b>283,895</b>   |                | <b>887</b>                                         | <b>21,023</b> |                                      | <b>108,207</b>         | <b>6,000</b>                                   |
| Delaware               | 3,741            |                             |                       | 2,905            |                | 275                                                | 561           |                                      |                        |                                                |
| Maryland               | 32,096           |                             |                       | 18,886           |                | 52                                                 | 653           |                                      | 12,505                 |                                                |
| Virginia               | 27,589           |                             |                       | 6,428            |                |                                                    | 3,413         |                                      | 17,748                 |                                                |
| West Virginia          | 86,376           |                             |                       | 81,085           |                |                                                    |               |                                      | 5,291                  |                                                |
| North Carolina         | 170,001          | 250                         |                       | 110,250          |                | 590                                                | 16,285        |                                      | 49,046                 | 1,800                                          |
| South Carolina         | 69,973           | 459                         |                       | 64,341           |                |                                                    |               |                                      | 5,173                  |                                                |
| Georgia                | 9,552            |                             |                       |                  |                |                                                    | 111           |                                      | 5,241                  | 4,200                                          |
| Florida                | 12,303           |                             |                       |                  |                |                                                    |               |                                      | 12,303                 |                                                |
| <b>E. S. Central</b>   | <b>188,952</b>   | <b>1,355</b>                |                       | <b>90,059</b>    |                | <b>4,050</b>                                       | <b>7,055</b>  |                                      | <b>62,583</b>          | <b>23,850</b>                                  |
| Kentucky               | 2,492            |                             |                       |                  |                |                                                    | 5             |                                      | 2,487                  |                                                |
| Tennessee              | 87,019           | 1,355                       |                       | 47,200           |                | 550                                                | 5,144         |                                      | 18,020                 | 13,850                                         |
| Alabama                | 95,535           |                             |                       | 42,859           |                |                                                    | 306           |                                      | 13,370                 | 10,000                                         |
| Mississippi            | 32,906           |                             |                       |                  |                | 3,500                                              | 1,600         |                                      | 27,806                 |                                                |
| <b>W. S. Central</b>   | <b>236,459</b>   | <b>5,000</b>                |                       | <b>185,619</b>   |                | <b>2,377</b>                                       | <b>2,552</b>  | <b>13,036</b>                        | <b>19,865</b>          | <b>8,010</b>                                   |
| Arkansas               | 156,867          |                             |                       | 133,850          |                | 1,517                                              | 1,507         | 9,447                                | 2,617                  | 7,910                                          |
| Louisiana              | 73,454           | 5,000                       |                       | 51,760           |                | 860                                                |               | 3,689                                | 12,245                 |                                                |
| Oklahoma               | 1,673            |                             |                       |                  |                |                                                    | 672           |                                      | 1,001                  |                                                |
| Texas                  | 4,475            |                             |                       |                  |                |                                                    | 373           |                                      | 4,002                  | 100                                            |
| <b>Mountain</b>        | <b>47,001</b>    | <b>4,448</b>                |                       | <b>28,646</b>    | <b>72</b>      | <b>1,983</b>                                       | <b>5,626</b>  |                                      | <b>6,226</b>           |                                                |
| Montana                | 5,589            | 589                         |                       |                  |                | 1,250                                              | 3,750         |                                      |                        |                                                |
| Idaho                  | 4,334            | 1,070                       |                       | 1,821            |                | 389                                                | 897           |                                      | 167                    |                                                |
| Wyoming                | 4,245            |                             |                       | 4,245            |                |                                                    |               |                                      |                        |                                                |
| Colorado               | 8,062            |                             |                       | 5,830            |                |                                                    |               |                                      | 2,232                  |                                                |
| New Mexico             | 11,527           | 239                         |                       | 9,060            | 72             |                                                    | 594           |                                      | 1,532                  |                                                |
| Arizona                | 1,588            |                             |                       |                  |                |                                                    |               |                                      | 1,588                  |                                                |
| Utah                   | 10,935           | 2,550                       |                       | 7,260            |                |                                                    | 300           |                                      | 525                    |                                                |
| Nevada                 | 1,021            |                             |                       | 400              |                | 344                                                | 85            |                                      | 192                    |                                                |
| <b>Pacific</b>         | <b>207,857</b>   | <b>10,548</b>               | <b>2,173</b>          | <b>87,892</b>    |                |                                                    | <b>11,515</b> | <b>35,500</b>                        | <b>6,262</b>           | <b>53,969</b>                                  |
| Washington             | 13,000           | 4,000                       |                       |                  |                |                                                    |               | 9,000                                |                        |                                                |
| Oregon                 | 58,760           | 346                         | 2,173                 | 28,492           |                |                                                    | 746           | 26,500                               | 43                     | 450                                            |
| California             | 136,107          | 6,200                       |                       | 59,400           |                |                                                    | 10,769        |                                      | 6,219                  | 53,519                                         |

<sup>1</sup> Data not compiled for 1932.

<sup>2</sup> Includes tuberculosis hospital.



## No. 224.—REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS AND

NOTE.—All figures in thousands of dollars. For 8 of the 26 cities of 500,000 or more inhabitants (cities merged with that of the city. In order that figures for the other cities in the 500,000 or over class may be included in the figures shown for the cities, the percentage in each case being based upon the ratio of the cities of less than 500,000 inhabitants. Net debt is funded and floating debt less assets in general sinking

| City number in order of size | City                  | Revenue receipts |         |                  |                                  |                   |                                 |                                        |                        |         |                                             | Governmental-cost payments |  |
|------------------------------|-----------------------|------------------|---------|------------------|----------------------------------|-------------------|---------------------------------|----------------------------------------|------------------------|---------|---------------------------------------------|----------------------------|--|
|                              |                       | Total            | Taxes   |                  |                                  |                   | Special assessments and charges | Earnings of public service enterprises | Subventions and grants | Total   | Operation, maintenance, and interest, total |                            |  |
|                              |                       |                  | Total   | General property | Business and nonbusiness license |                   |                                 |                                        |                        |         |                                             |                            |  |
|                              |                       |                  |         |                  | Total                            | On liquor traffic |                                 |                                        |                        |         |                                             |                            |  |
| 1                            | New York, N. Y.       | 803,018          | 538,265 | 490,863          | 35,399                           | 7,871             | 13,580                          | 54,603                                 | 139,971                | 747,430 | 632,551                                     |                            |  |
| 2                            | Chicago, Ill.         | 219,716          | 160,435 | 155,068          | 14,387                           | 4,492             | 6,006                           | 13,457                                 | 6,273                  | 185,087 | 159,260                                     |                            |  |
| 3                            | Philadelphia, Pa.     | 120,625          | 88,812  | 86,760           | 2,052                            | 1,419             | 4                               | 0,738                                  | 2,012                  | 111,120 | 106,679                                     |                            |  |
| 4                            | Detroit, Mich.        | 113,952          | 65,861  | 60,905           | 5,858                            | 438               | 1,426                           | 21,620                                 | 17,874                 | 107,661 | 103,073                                     |                            |  |
| 5                            | Los Angeles, Calif.   | 118,053          | 62,423  | 55,390           | 7,033                            | 233               | 4,741                           | 20,800                                 | 17,875                 | 126,871 | 95,541                                      |                            |  |
| 6                            | Cleveland, Ohio.      | 68,789           | 42,300  | 38,583           | 3,398                            | 706               | 2,188                           | 8,511                                  | 6,856                  | 80,597  | 55,445                                      |                            |  |
| 7                            | St. Louis, Mo.        | 41,566           | 31,533  | 28,996           | 2,567                            | 3                 | 831                             | 4,886                                  | 514                    | 43,569  | 36,818                                      |                            |  |
| 8                            | Baltimore, Md.        | 53,261           | 34,753  | 30,550           | 3,545                            | 811               | 763                             | 5,483                                  | 8,440                  | 46,481  | 43,309                                      |                            |  |
| 9                            | Boston, Mass.         | 77,090           | 60,675  | 53,355           | 2,028                            | 1,642             | 426                             | 4,881                                  | 1,507                  | 70,876  | 70,043                                      |                            |  |
| 10                           | Pittsburgh, Pa.       | 46,875           | 39,043  | 38,203           | 750                              | 508               | 122                             | 3,007                                  | 1,052                  | 47,174  | 42,200                                      |                            |  |
| 11                           | San Francisco, Calif. | 61,668           | 28,760  | 26,665           | 2,096                            | 221               | 126                             | 11,739                                 | 7,605                  | 51,312  | 45,431                                      |                            |  |
| 12                           | Milwaukee, Wis.       | 52,726           | 35,794  | 33,424           | 1,093                            | 551               | 1,166                           | 2,364                                  | 10,315                 | 44,609  | 41,265                                      |                            |  |
| 13                           | Buffalo, N. Y.        | 46,993           | 29,169  | 27,326           | 1,565                            | 340               | 772                             | 2,513                                  | 12,241                 | 52,887  | 48,705                                      |                            |  |
| 14                           | Washington, D. C.     | 45,308           | 28,018  | 21,877           | 6,121                            | 1,183             | 561                             | 1,808                                  | 11,663                 | 40,926  | 35,327                                      |                            |  |
| 15                           | Minneapolis, Minn.    | 32,597           | 20,662  | 19,968           | 625                              | 316               | 2,006                           | 1,514                                  | 6,186                  | 31,817  | 27,792                                      |                            |  |
| 16                           | New Orleans, La.      | 26,157           | 17,849  | 16,167           | 1,557                            | 490               | 1,719                           | 2,516                                  | 2,683                  | 23,170  | 19,070                                      |                            |  |
| 17                           | Cincinnati, Ohio.     | 38,097           | 22,797  | 20,395           | 1,857                            | 292               | 1,244                           | 2,512                                  | 4,365                  | 34,867  | 30,813                                      |                            |  |
| 18                           | Newark, N. J.         | 48,097           | 36,024  | 33,808           | 1,852                            | 631               | 278                             | 2,088                                  | 5,511                  | 36,964  | 35,407                                      |                            |  |
| 19                           | Kansas City, Mo.      | 21,796           | 17,511  | 16,004           | 1,507                            | 93                | 460                             | 2,078                                  | 449                    | 22,028  | 17,936                                      |                            |  |
| 20                           | Seattle, Wash.        | 34,378           | 17,008  | 15,674           | 1,434                            | ---               | 98                              | 11,981                                 | 3,497                  | 29,883  | 26,049                                      |                            |  |
| 21                           | Indianapolis, Ind.    | 17,597           | 15,584  | 15,016           | 502                              | 344               | 83                              | 30                                     | 1,243                  | 14,793  | 14,121                                      |                            |  |
| 22                           | Rochester, N. Y.      | 31,556           | 19,194  | 17,895           | 1,100                            | 373               | 1,855                           | 1,484                                  | 7,445                  | 33,234  | 29,815                                      |                            |  |
| 23                           | Jersey City, N. J.    | 26,261           | 18,945  | 17,623           | 1,214                            | 520               | 65                              | 1,943                                  | 2,084                  | 26,394  | 25,058                                      |                            |  |
| 24                           | Houston, Tex.         | 15,063           | 10,631  | 10,374           | 257                              | 65                | 7                               | 1,707                                  | 1,553                  | 12,610  | 11,041                                      |                            |  |
| 25                           | Louisville, Ky.       | 14,993           | 11,263  | 10,655           | 808                              | 118               | 29                              | 1,689                                  | 571                    | 15,667  | 12,559                                      |                            |  |
| 26                           | Portland, Oreg.       | 20,806           | 14,312  | 13,520           | 792                              | 28                | 2,065                           | 2,190                                  | 1,694                  | 16,133  | 15,517                                      |                            |  |
| 27                           | Columbus, Ohio.       | 12,527           | 7,368   | 6,520            | 754                              | 160               | 1,229                           | 1,970                                  | 1,130                  | 12,912  | 10,520                                      |                            |  |
| 28                           | Toledo, Ohio.         | 12,815           | 9,353   | 8,534            | 752                              | 170               | 1,064                           | 1,182                                  | 380                    | 10,851  | 10,415                                      |                            |  |
| 29                           | Oakland, Calif.       | 17,245           | 9,790   | 9,468            | 322                              | 47                | 41                              | 3,389                                  | 3,277                  | 14,773  | 13,858                                      |                            |  |
| 30                           | Denver, Colo.         | 16,989           | 11,586  | 11,056           | 530                              | 97                | 1,414                           | 2,627                                  | 69                     | 15,301  | 14,809                                      |                            |  |
| 31                           | Atlanta, Ga.          | 9,783            | 6,416   | 5,595            | 723                              | ---               | 494                             | 1,770                                  | 212                    | 8,868   | 8,580                                       |                            |  |
| 32                           | Dallas, Tex.          | 9,783            | 6,233   | 6,168            | 65                               | 28                | 1,638                           | 1,439                                  | 1,177                  | 8,867   | 7,957                                       |                            |  |
| 33                           | St. Paul, Minn.       | 12,694           | 8,927   | 8,118            | 800                              | 267               | 937                             | 990                                    | 571                    | 11,338  | 10,198                                      |                            |  |
| 34                           | Birmingham, Ala.      | 7,013            | 4,279   | 3,285            | 999                              | ---               | 1,203                           | 12                                     | 1,113                  | 5,596   | 5,452                                       |                            |  |
| 35                           | Akron, Ohio.          | 10,900           | 7,289   | 6,625            | 694                              | 178               | 1,284                           | 1,195                                  | 555                    | 8,965   | 8,738                                       |                            |  |
| 36                           | Memphis, Tenn.        | 9,833            | 6,173   | 5,740            | 396                              | 12                | 1,69                            | 1,331                                  | 900                    | 7,644   | 6,749                                       |                            |  |
| 37                           | Providence, R. I.     | 16,276           | 12,154  | 11,772           | 329                              | 263               | 197                             | 1,653                                  | 787                    | 15,863  | 14,365                                      |                            |  |
| 38                           | San Antonio, Tex.     | 7,636            | 5,400   | 5,241            | 59                               | 15                | (*)                             | 1,007                                  | 953                    | 5,513   | 5,283                                       |                            |  |
| 39                           | Omaha, Neb.           | 12,026           | 9,961   | 9,626            | 335                              | 87                | 647                             | 3,296                                  | 267                    | 9,784   | 8,908                                       |                            |  |
| 40                           | Syracuse, N. Y.       | 16,404           | 9,675   | 9,120            | 494                              | 238               | 759                             | 876                                    | 4,596                  | 15,692  | 13,746                                      |                            |  |
| 41                           | Dayton, Ohio.         | 8,571            | 6,080   | 5,561            | 502                              | 116               | 257                             | 859                                    | 610                    | 7,582   | 6,398                                       |                            |  |
| 42                           | Oklahoma City, Okla.  | 7,657            | 5,114   | 4,939            | 175                              | 1                 | 36                              | 821                                    | 403                    | 5,146   | 4,957                                       |                            |  |
| 43                           | Worcester, Mass.      | 13,815           | 11,207  | 9,722            | 239                              | 209               | 215                             | 901                                    | 697                    | 13,436  | 11,717                                      |                            |  |
| 44                           | Richmond, Va.         | 9,987            | 6,461   | 5,801            | 598                              | 19                | 189                             | 2,030                                  | 303                    | 8,515   | 8,256                                       |                            |  |
| 45                           | Youngstown, Ohio.     | 7,036            | 5,685   | 5,206            | 361                              | 103               | 349                             | 661                                    | 782                    | 7,632   | 6,466                                       |                            |  |
| 46                           | Grand Rapids, Mich.   | 7,137            | 4,068   | 3,994            | 74                               | 18                | 365                             | 879                                    | 1,247                  | 6,418   | 6,053                                       |                            |  |
| 47                           | Fort Worth, Tex.      | 6,243            | 4,176   | 4,151            | 25                               | 14                | 33                              | 833                                    | 639                    | 6,418   | 6,053                                       |                            |  |
| 48                           | Hartford, Conn.       | 12,009           | 9,559   | 9,087            | 73                               | 26                | 184                             | 963                                    | 203                    | 11,531  | 10,267                                      |                            |  |
| 49                           | Flint, Mich.          | 7,660            | 3,774   | 3,725            | 49                               | 23                | 500                             | 616                                    | 1,999                  | 6,933   | 6,759                                       |                            |  |
| 50                           | New Haven, Conn.      | 10,270           | 8,614   | 8,422            | 36                               | 36                | 25                              | 2                                      | 801                    | 9,284   | 8,210                                       |                            |  |
| 51                           | San Diego, Calif.     | 7,778            | 3,866   | 3,744            | 122                              | 27                | 72                              | 1,731                                  | 1,692                  | 7,403   | 5,845                                       |                            |  |
| 52                           | Long Beach, Calif.    | 9,899            | 5,050   | 4,831            | 189                              | 20                | 1                               | 2,304                                  | 1,908                  | 8,678   | 7,905                                       |                            |  |
| 53                           | Nashville, Tenn.      | 5,535            | 3,465   | 3,151            | 278                              | 15                | 407                             | 627                                    | 724                    | 5,080   | 4,432                                       |                            |  |
| 54                           | Springfield, Mass.    | 11,946           | 9,565   | 8,242            | 172                              | 128               | 68                              | 965                                    | 344                    | 11,321  | 9,569                                       |                            |  |
| 55                           | Tulsa, Okla.          | 6,866            | 5,564   | 5,470            | 85                               | ---               | ---                             | 787                                    | 245                    | 4,552   | 4,390                                       |                            |  |
| 56                           | Bridgeport, Conn.     | 8,464            | 7,601   | 7,427            | 70                               | 27                | 5                               | 15                                     | 365                    | 8,890   | 8,491                                       |                            |  |
| 57                           | Des Moines, Iowa      | 6,462            | 5,154   | 5,055            | 99                               | 41                | 77                              | 949                                    | 4                      | 6,116   | 5,274                                       |                            |  |
| 58                           | Scranton, Pa.         | 5,493            | 4,707   | 4,417            | 202                              | 141               | 108                             | 1                                      | 354                    | 5,717   | 5,000                                       |                            |  |
| 59                           | Salt Lake City, Utah. | 5,607            | 3,675   | 3,527            | 148                              | ---               | ---                             | 320                                    | 617                    | 791     | 5,315                                       |                            |  |
| 60                           | Yonkers, N. Y.        | 15,003           | 10,424  | 10,026           | 276                              | 194               | 511                             | 753                                    | 2,872                  | 14,418  | 11,694                                      |                            |  |
| 61                           | Paterson, N. J.       | 8,901            | 6,457   | 5,942            | 452                              | 175               | 40                              | 1,761                                  | 310                    | 8,407   | 7,941                                       |                            |  |
| 62                           | Jacksonville, Fla.    | 7,222            | 2,735   | 2,540            | 164                              | 16                | 183                             | 3,701                                  | 423                    | 6,110   | 5,004                                       |                            |  |
| 63                           | Albany, N. Y.         | 10,378           | 7,001   | 6,678            | 240                              | 145               | 744                             | 845                                    | 1,466                  | 10,203  | 8,863                                       |                            |  |
| 64                           | Norfolk, Va.          | 8,578            | 5,245   | 4,698            | 567                              | 24                | 15                              | 944                                    | 1,026                  | 6,539   | 6,438                                       |                            |  |
| 65                           | Trenton, N. J.        | 6,951            | 4,874   | 4,331            | 461                              | 109               | 47                              | 593                                    | 401                    | 6,213   | 6,060                                       |                            |  |
| 66                           | Chattanooga, Tenn.    | 3,438            | 2,280   | 2,129            | 107                              | 7                 | 156                             | 16                                     | 752                    | 3,446   | 3,188                                       |                            |  |
| 67                           | Kansas City, Kans.    | 6,833            | 3,274   | 3,191            | 83                               | ---               | 442                             | 2,719                                  | 35                     | 6,817   | 4,831                                       |                            |  |
| 68                           | Fort Wayne, Ind.      | 4,352            | 2,483   | 2,323            | 108                              | 88                | 9                               | 1,348                                  | 411                    | 4,496   | 3,604                                       |                            |  |

\* Total includes miscellaneous items not shown separately.

\* Less than \$500.

## NET DEBT OF EACH CITY OF 100,000 OR MORE INHABITANTS: 1934

numbered 1 to 26 in the following table) and for Denver, Colo., the original county government has been compared with figures for these 8 cities, a certain percentage of data for the entire county has been assessed valuation of the city and that of the entire county. No county data has been added to figures for funds

| Governmental-cost payments—Continued             |                    |                                   |                       |          |                                       |           |           |            |                                                         |          |         |           |    | City number in order of size |
|--------------------------------------------------|--------------------|-----------------------------------|-----------------------|----------|---------------------------------------|-----------|-----------|------------|---------------------------------------------------------|----------|---------|-----------|----|------------------------------|
| Operation and maintenance of general departments |                    |                                   |                       |          |                                       |           |           |            |                                                         | Interest | Outlays | Net debt  |    |                              |
| Total                                            | General government | Protection to person and property | Health and sanitation | Highways | Charities, hospitals, and corrections | Education |           | Recreation | Operation and maintenance of public service enterprises |          |         |           |    |                              |
|                                                  |                    |                                   |                       |          |                                       | Schools   | Libraries |            |                                                         |          |         |           |    |                              |
| 510,411                                          | 36,618             | 79,471                            | 40,842                | 24,031   | 133,740                               | 134,031   | 3,332     | 9,476      | 19,719                                                  | 102,421  | 114,885 | 1,865,221 | 1  |                              |
| 125,748                                          | 14,867             | 24,330                            | 11,645                | 10,866   | 6,755                                 | 37,670    | 1,230     | 6,054      | 6,559                                                   | 26,953   | 25,827  | 445,132   | 2  |                              |
| 77,043                                           | 9,383              | 17,036                            | 5,042                 | 4,672    | 7,626                                 | 25,342    | 672       | 2,325      | 2,048                                                   | 26,688   | 4,447   | 460,924   | 3  |                              |
| 72,103                                           | 5,926              | 13,930                            | 6,974                 | 4,162    | 16,143                                | 19,410    | 804       | 1,241      | 15,377                                                  | 15,593   | 4,688   | 322,706   | 4  |                              |
| 73,137                                           | 6,613              | 12,031                            | 3,499                 | 4,080    | 19,838                                | 22,412    | 1,037     | 1,773      | 11,397                                                  | 11,007   | 31,330  | 233,553   | 5  |                              |
| 42,821                                           | 3,640              | 5,449                             | 2,982                 | 2,912    | 11,430                                | 12,388    | 1,273     | 4,651      | 4,558                                                   | 8,066    | 5,152   | 144,707   | 6  |                              |
| 31,129                                           | 2,901              | 7,364                             | 1,874                 | 1,930    | 4,884                                 | 9,829     | 431       | 1,216      | 2,211                                                   | 3,478    | 6,751   | 78,108    | 7  |                              |
| 34,200                                           | 2,418              | 7,150                             | 3,034                 | 3,046    | 7,216                                 | 8,347     | 461       | 799        | 1,224                                                   | 7,969    | 3,082   | 104,219   | 8  |                              |
| 58,272                                           | 3,705              | 8,611                             | 4,322                 | 3,215    | 15,610                                | 14,609    | 955       | 2,127      | 2,575                                                   | 9,196    | 6,833   | 134,156   | 9  |                              |
| 33,511                                           | 4,332              | 5,097                             | 2,950                 | 2,747    | 3,481                                 | 10,862    | 665       | 970        | 2,060                                                   | 6,629    | 4,974   | 139,709   | 10 |                              |
| 33,543                                           | 2,461              | 6,610                             | 1,221                 | 1,320    | 9,788                                 | 7,729     | 292       | 1,748      | 4,277                                                   | 7,611    | 5,881   | 161,989   | 11 |                              |
| 36,822                                           | 1,684              | 4,613                             | 3,112                 | 2,029    | 12,937                                | 8,432     | 365       | 1,676      | 1,006                                                   | 3,437    | 3,344   | 66,240    | 12 |                              |
| 41,973                                           | 2,471              | 5,039                             | 2,703                 | 2,233    | 12,982                                | 10,306    | 499       | 1,663      | 1,237                                                   | 5,585    | 4,092   | 118,214   | 13 |                              |
| 34,425                                           | 1,534              | 5,518                             | 2,366                 | 3,368    | 9,518                                 | 8,282     | 347       | 1,367      | 902                                                     |          | 5,999   |           | 14 |                              |
| 24,005                                           | 1,496              | 2,480                             | 1,488                 | 1,924    | 6,641                                 | 7,078     | 476       | 1,122      | 839                                                     | 2,948    | 4,025   | 53,942    | 15 |                              |
| 11,964                                           | 1,646              | 3,168                             | 1,379                 | 1,259    | 398                                   | 3,380     | 69        | 270        | 2,068                                                   | 5,038    | 4,100   | 80,227    | 16 |                              |
| 24,032                                           | 1,812              | 2,707                             | 1,513                 | 1,804    | 5,771                                 | 8,184     | 357       | 361        | 1,240                                                   | 5,541    | 4,054   | 75,875    | 17 |                              |
| 27,040                                           | 2,288              | 5,754                             | 2,884                 | 985      | 3,264                                 | 9,388     | 352       | 546        | 1,173                                                   | 7,194    | 1,567   | 123,336   | 18 |                              |
| 13,635                                           | 1,967              | 1,882                             | 976                   | 1,776    | 1,565                                 | 4,376     | 232       | 546        | 1,091                                                   | 3,210    | 4,092   | 62,140    | 19 |                              |
| 14,760                                           | 1,592              | 2,750                             | 1,146                 | 2,017    | 1,468                                 | 4,127     | 228       | 374        | 5,921                                                   | 5,362    | 3,834   | 92,366    | 20 |                              |
| 12,515                                           | 1,066              | 2,939                             | 894                   | 1,047    | 1,089                                 | 4,350     | 243       | 390        | 23                                                      | 1,583    | 672     | 30,055    | 21 |                              |
| 24,564                                           | 1,690              | 2,471                             | 1,924                 | 1,467    | 7,672                                 | 6,364     | 180       | 752        | 609                                                     | 3,542    | 4,219   | 66,070    | 22 |                              |
| 20,282                                           | 1,940              | 4,058                             | 1,539                 | 985      | 4,568                                 | 4,641     | 209       | 514        | 1,078                                                   | 4,498    | 536     | 78,664    | 23 |                              |
| 7,376                                            | 885                | 1,182                             | 548                   | 861      | 600                                   | 3,030     | 81        | 124        | 789                                                     | 2,876    | 1,569   | 53,004    | 24 |                              |
| 10,192                                           | 787                | 1,784                             | 896                   | 784      | 1,674                                 | 3,641     | 145       | 297        | 650                                                     | 1,717    | 3,098   | 33,213    | 25 |                              |
| 10,948                                           | 1,026              | 1,973                             | 504                   | 932      | 2,179                                 | 3,182     | 235       | 281        | 955                                                     | 3,584    | 616     | 57,874    | 26 |                              |
| 7,827                                            | 387                | 1,241                             | 473                   | 514      | 801                                   | 3,419     | 60        | 70         | 957                                                     | 1,936    | 2,392   | 29,828    | 27 |                              |
| 7,830                                            | 394                | 1,531                             | 552                   | 698      | 181                                   | 3,684     | 213       | 110        | 702                                                     | 1,883    | 436     | 35,816    | 28 |                              |
| 9,342                                            | 348                | 2,092                             | 465                   | 605      | 22                                    | 4,039     | 216       | 456        | 1,619                                                   | 2,897    | 915     | 66,771    | 29 |                              |
| 12,208                                           | 1,226              | 1,880                             | 568                   | 1,080    | 1,934                                 | 4,214     | 202       | 554        | 689                                                     | 1,912    | 492     | 32,685    | 30 |                              |
| 7,374                                            | 382                | 1,531                             | 747                   | 446      | 1,099                                 | 2,672     | 108       | 176        | 441                                                     | 765      | 288     | 12,735    | 31 |                              |
| 5,435                                            | 302                | 1,121                             | 454                   | 301      | 190                                   | 2,667     | 53        | 227        | 495                                                     | 1,726    | 1,200   | 35,905    | 32 |                              |
| 7,447                                            | 485                | 1,518                             | 330                   | 481      | 918                                   | 2,918     | 212       | 242        | 573                                                     | 2,180    | 1,140   | 29,634    | 33 |                              |
| 4,179                                            | 196                | 912                               | 277                   | 268      | 62                                    | 2,111     | 68        | 150        | 16                                                      | 1,257    | 144     | 18,633    | 34 |                              |
| 5,956                                            | 283                | 744                               | 302                   | 350      | 852                                   | 3,048     | 98        | 6          | 268                                                     | 2,514    | 227     | 39,386    | 35 |                              |
| 4,911                                            | 229                | 1,134                             | 502                   | 443      | 377                                   | 1,833     | 66        | 237        | 410                                                     | 1,428    | 895     | 26,090    | 36 |                              |
| 11,272                                           | 530                | 2,288                             | 1,093                 | 874      | 1,181                                 | 3,797     | 67        | 426        | 679                                                     | 2,414    | 1,498   | 43,724    | 37 |                              |
| 3,461                                            | 165                | 570                               | 308                   | 194      | 14                                    | 2,028     | 32        | 117        | 237                                                     | 1,585    | 230     | 26,859    | 38 |                              |
| 5,270                                            | 301                | 1,105                             | 229                   | 368      | 20                                    | 2,621     | 63        | 74         | 2,010                                                   | 1,628    | 876     | 23,960    | 39 |                              |
| 11,544                                           | 577                | 1,575                             | 974                   | 567      | 3,006                                 | 3,300     | 120       | 314        | 324                                                     | 1,878    | 1,946   | 34,507    | 40 |                              |
| 4,953                                            | 256                | 793                               | 417                   | 395      | 353                                   | 2,235     | 146       | 120        | 233                                                     | 1,212    | 1,184   | 20,542    | 41 |                              |
| 3,568                                            | 159                | 720                               | 248                   | 165      | 56                                    | 1,882     | 38        | 65         | 229                                                     | 1,160    | 189     | 16,300    | 42 |                              |
| 10,746                                           | 459                | 1,853                             | 800                   | 1,185    | 2,154                                 | 3,364     | 156       | 177        | 392                                                     | 579      | 1,719   | 11,515    | 43 |                              |
| 5,410                                            | 560                | 1,081                             | 555                   | 413      | 600                                   | 2,074     | 64        | 117        | 943                                                     | 1,999    | 269     | 26,263    | 44 |                              |
| 4,559                                            | 245                | 746                               | 243                   | 376      | 629                                   | 2,667     | 95        | 208        | 416                                                     | 584      | 1,176   | 9,717     | 45 |                              |
| 4,870                                            | 206                | 855                               | 334                   | 287      | 770                                   | 2,106     | 119       | 123        | 391                                                     | 792      | 365     | 12,886    | 46 |                              |
| 3,799                                            | 189                | 758                               | 311                   | 253      | 185                                   | 1,828     | 43        | 181        | 243                                                     | 1,271    | 301     | 22,898    | 47 |                              |
| 8,795                                            | 475                | 1,555                             | 708                   | 495      | 1,849                                 | 2,893     | 100       | 337        | 375                                                     | 1,097    | 1,264   | 24,165    | 48 |                              |
| 5,078                                            | 209                | 612                               | 212                   | 248      | 1,710                                 | 1,877     | 73        | 84         | 318                                                     | 1,363    | 74      | 16,421    | 49 |                              |
| 7,481                                            | 349                | 1,722                             | 400                   | 454      | 1,258                                 | 2,599     | 103       | 232        | 3                                                       | 726      | 1,074   | 15,235    | 50 |                              |
| 4,477                                            | 244                | 833                               | 306                   | 354      | 13                                    | 2,177     | 97        | 277        | 431                                                     | 937      | 1,558   | 21,533    | 51 |                              |
| 5,527                                            | 422                | 981                               | 362                   | 391      | 111                                   | 2,671     | 98        | 374        | 1,257                                                   | 1,121    | 773     | 23,668    | 52 |                              |
| 3,385                                            | 222                | 947                               | 317                   | 210      | 349                                   | 1,046     | 43        | 144        | 320                                                     | 727      | 648     | 16,906    | 53 |                              |
| 8,788                                            | 356                | 1,473                             | 744                   | 779      | 1,570                                 | 2,896     | 205       | 319        | 292                                                     | 809      | 1,452   | 17,155    | 54 |                              |
| 2,952                                            | 152                | 603                               | 158                   | 169      | 56                                    | 1,625     | 39        | 90         | 249                                                     | 1,189    | 1,621   | 18,643    | 55 |                              |
| 7,790                                            | 330                | 1,607                             | 592                   | 398      | 1,888                                 | 2,323     | 128       | 181        | 18                                                      | 683      | 399     | 15,350    | 56 |                              |
| 4,114                                            | 238                | 827                               | 241                   | 416      | 24                                    | 2,068     | 85        | 75         | 318                                                     | 842      | 842     | 17,739    | 57 |                              |
| 4,580                                            | 263                | 870                               | 338                   | 262      | 402                                   | 2,058     | 43        | 123        | 420                                                     | 717      | 8,635   | 58        |    |                              |
| 3,946                                            | 373                | 530                               | 121                   | 341      | 24                                    | 2,184     | 77        | 177        | 252                                                     | 621      | 496     | 12,526    | 59 |                              |
| 9,360                                            | 604                | 1,383                             | 1,187                 | 485      | 1,686                                 | 2,681     | 44        | 203        | 307                                                     | 1,937    | 2,824   | 33,326    | 60 |                              |
| 6,159                                            | 177                | 1,202                             | 523                   | 191      | 526                                   | 3,080     | 69        | 54         | 674                                                     | 1,108    | 466     | 32,667    | 61 |                              |
| 3,575                                            | 217                | 914                               | 462                   | 428      | 67                                    | 1,026     | 70        | 194        | 1,500                                                   | 829      | 206     | 14,313    | 62 |                              |
| 6,940                                            | 360                | 1,429                             | 708                   | 921      | 796                                   | 1,864     | 114       | 291        | 522                                                     | 1,401    | 1,340   | 28,432    | 63 |                              |
| 3,837                                            | 334                | 892                               | 413                   | 150      | 659                                   | 1,118     | 34        | 87         | 264                                                     | 2,337    | 101     | 31,033    | 64 |                              |
| 4,581                                            | 173                | 1,009                             | 493                   | 328      | 253                                   | 1,860     | 96        | 92         | 446                                                     | 1,083    | 153     | 16,340    | 65 |                              |
| 2,367                                            | 117                | 597                               | 136                   | 225      | 262                                   | 883       | 46        | 39         | 22                                                      | 749      | 308     | 13,160    | 66 |                              |
| 2,208                                            | 152                | 610                               | 75                    | 115      | 16                                    | 1,102     | 22        | 45         | 1,471                                                   | 652      | 986     | 9,394     | 67 |                              |
| 2,401                                            | 100                | 556                               | 171                   | 91       | 11                                    | 1,271     | 57        | 62         | 923                                                     | 280      | 892     | 5,782     | 68 |                              |

## No. 224.—REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND NET DEBT

[All figures in

| City number in order of size | City                    | Revenue receipts   |                    |                  |                                  |                   |                                 |                                        |                        | Governmental cost payments |                                             |
|------------------------------|-------------------------|--------------------|--------------------|------------------|----------------------------------|-------------------|---------------------------------|----------------------------------------|------------------------|----------------------------|---------------------------------------------|
|                              |                         | Total <sup>1</sup> | Taxes              |                  |                                  |                   | Special assessments and charges | Earnings of public service enterprises | Subventions and grants | Total                      | Operation, maintenance, and interest, total |
|                              |                         |                    | Total <sup>1</sup> | General property | Business and nonbusiness license |                   |                                 |                                        |                        |                            |                                             |
|                              |                         |                    |                    |                  | Total <sup>1</sup>               | On liquor traffic |                                 |                                        |                        |                            |                                             |
| 69                           | Camden, N. J.-----      | 4,970              | 3,585              | 3,160            | 405                              | 134               | 62                              | 519                                    | 317                    | 5,381                      | 5,102                                       |
| 70                           | Erie, Pa.-----          | 4,647              | 3,512              | 3,335            | 83                               | 68                | 72                              | 624                                    | 274                    | 4,016                      | 3,821                                       |
| 71                           | Elizabeth, N. J.-----   | 5,487              | 3,726              | 3,276            | 430                              | 248               | 120                             | 872                                    | 408                    | 5,769                      | 5,653                                       |
| 72                           | Wichita, Kans.-----     | 3,636              | 2,759              | 2,680            | 79                               | -----             | 499                             | 17                                     | 51                     | 3,515                      | 3,213                                       |
| 73                           | Spokane, Wash.-----     | 4,117              | 2,316              | 2,214            | 102                              | 13                | 48                              | 603                                    | 880                    | 3,377                      | 3,076                                       |
| 74                           | Fall River, Mass.-----  | 5,781              | 5,002              | 4,398            | 133                              | 99                | -----                           | 402                                    | 116                    | 4,040                      | 4,500                                       |
| 75                           | Cambridge, Mass.-----   | 8,020              | 7,103              | 6,218            | 148                              | 117               | 6                               | 371                                    | 101                    | 7,514                      | 6,787                                       |
| 76                           | New Bedford, Mass.----- | 5,616              | 4,807              | 4,015            | 113                              | 101               | 4                               | 409                                    | 114                    | 5,480                      | 4,866                                       |
| 77                           | Reading, Pa.-----       | 4,390              | 3,177              | 2,990            | 116                              | 74                | 232                             | 549                                    | 283                    | 5,007                      | 3,788                                       |
| 78                           | Knoxville, Tenn.-----   | 3,948              | 2,521              | 2,405            | 103                              | 7                 | 123                             | 624                                    | 425                    | 3,977                      | 3,767                                       |
| 79                           | Peoria, Ill.-----       | 4,160              | 3,590              | 3,196            | 394                              | 117               | 314                             | 13                                     | 46                     | 3,593                      | 2,973                                       |
| 80                           | South Bend, Ind.-----   | 3,351              | 2,431              | 2,326            | 83                               | 64                | 11                              | 416                                    | 383                    | 2,880                      | 2,306                                       |
| 81                           | Tacoma, Wash.-----      | 6,115              | 1,976              | 1,934            | 42                               | 4                 | 46                              | 2,830                                  | 905                    | 5,061                      | 4,406                                       |
| 82                           | Miami, Fla.-----        | 6,241              | 3,707              | 3,409            | 298                              | 5                 | 1,400                           | 474                                    | 240                    | 5,821                      | 5,519                                       |
| 83                           | Gary, Ind.-----         | 3,087              | 2,628              | 2,577            | 44                               | 37                | 4                               | -----                                  | 393                    | 2,833                      | 2,762                                       |
| 84                           | Canton, Ohio.-----      | 4,000              | 2,780              | 2,486            | 284                              | 91                | 427                             | 352                                    | 154                    | 3,463                      | 3,397                                       |
| 85                           | Wilmington, Del.-----   | 4,564              | 2,371              | 2,294            | 77                               | -----             | 51                              | 609                                    | 1,290                  | 4,078                      | 4,015                                       |
| 86                           | Tampa, Fla.-----        | 4,555              | 3,222              | 3,033            | 152                              | 2                 | 98                              | 493                                    | 434                    | 3,734                      | 3,518                                       |
| 87                           | Somerville, Mass.-----  | 5,449              | 4,449              | 3,942            | 98                               | 78                | 50                              | 514                                    | 79                     | 5,124                      | 5,044                                       |
| 88                           | El Paso, Tex.-----      | 2,885              | 1,771              | 1,747            | 24                               | 7                 | -----                           | 431                                    | 496                    | 2,417                      | 2,259                                       |
| 89                           | Evansville, Ind.-----   | 3,247              | 2,245              | 2,147            | 82                               | 51                | 2                               | 483                                    | 354                    | 2,784                      | 2,626                                       |
| 90                           | Lynn, Mass.-----        | 6,043              | 4,979              | 4,419            | 80                               | 63                | 26                              | 491                                    | 160                    | 5,804                      | 5,322                                       |
| 91                           | Utica, N. Y.-----       | 6,473              | 4,416              | 4,187            | 171                              | 116               | 156                             | 14                                     | 1,704                  | 6,474                      | 5,493                                       |
| 92                           | Duluth, Minn.-----      | 6,237              | 3,898              | 3,784            | 107                              | 69                | 139                             | 1,189                                  | 635                    | 5,336                      | 4,524                                       |
| 93                           | Waterbury, Conn.-----   | 6,537              | 5,583              | 5,469            | 45                               | 17                | 28                              | 590                                    | 129                    | 6,555                      | 6,511                                       |
| 94                           | Lowell, Mass.-----      | 5,120              | 4,413              | 3,853            | 111                              | 91                | 10                              | 347                                    | 110                    | 4,891                      | 4,661                                       |

<sup>1</sup> Total includes miscellaneous items not shown separately.

## No. 225.—PER CAPITA REVENUE RECEIPTS, GOVERNMENTAL-COST PAY

NOTE.—Per capita figures for 1934, except for Washington, D. C., are based

| City number in order of size | City                 | Revenue receipts, total |                   | Revenue receipts, 1934, for— |                  |                                  |                   |                                 |                                        |                        |         | Governmental cost payments for operation, maintenance, and interest, total |      |
|------------------------------|----------------------|-------------------------|-------------------|------------------------------|------------------|----------------------------------|-------------------|---------------------------------|----------------------------------------|------------------------|---------|----------------------------------------------------------------------------|------|
|                              |                      |                         |                   | Taxes                        |                  |                                  |                   | Special assessments and charges | Earnings of public service enterprises | Subventions and grants |         |                                                                            |      |
|                              |                      |                         |                   | Total <sup>1</sup>           | General property | Business and nonbusiness license |                   |                                 |                                        |                        |         |                                                                            |      |
|                              |                      | 1924 <sup>1</sup>       | 1934 <sup>1</sup> |                              |                  | Total <sup>1</sup>               | On liquor traffic |                                 |                                        |                        |         | 1924                                                                       | 1934 |
| 1                            | New York             | \$73.66                 | \$112.24          | \$75.24                      | \$69.45          | \$4.95                           | \$1.10            | \$1.90                          | \$7.63                                 | \$10.56                | \$62.39 | \$88.42                                                                    |      |
| 2                            | Chicago              | 59.74                   | 62.94             | 48.54                        | 44.42            | 4.12                             | 1.29              | 1.72                            | 3.85                                   | 1.51                   | 43.87   | 45.62                                                                      |      |
| 3                            | Philadelphia         | 53.77                   | 61.10             | 45.02                        | 43.98            | 1.04                             | .72               | ( <sup>2</sup> )                | 3.41                                   | 1.48                   | 43.98   | 54.08                                                                      |      |
| 4                            | Detroit              | 84.81                   | 68.39             | 39.53                        | 35.96            | 3.52                             | .25               | .86                             | 12.98                                  | 10.73                  | 50.64   | 61.86                                                                      |      |
| 5                            | Los Angeles          | 105.35                  | 87.18             | 45.10                        | 40.91            | 5.19                             | .17               | 3.50                            | 19.79                                  | 13.20                  | 70.93   | 70.56                                                                      |      |
| 6                            | Cleveland            | 68.80                   | 66.46             | 45.06                        | 42.01            | 3.70                             | .77               | 2.38                            | 9.27                                   | 7.46                   | 51.03   | 60.37                                                                      |      |
| 7                            | St. Louis            | 49.18                   | 50.06             | 38.01                        | 34.92            | 3.09                             | ( <sup>1</sup> )  | 1.00                            | 5.89                                   | .62                    | 35.96   | 44.34                                                                      |      |
| 8                            | Baltimore            | 51.73                   | 65.18             | 42.53                        | 37.39            | 4.34                             | .99               | .93                             | 6.71                                   | 10.33                  | 38.19   | 53.11                                                                      |      |
| 9                            | Boston               | 80.01                   | 97.97             | 77.11                        | 67.80            | 2.58                             | 2.09              | .54                             | 6.20                                   | 1.92                   | 66.56   | 89.01                                                                      |      |
| 10                           | Pittsburgh           | 64.05                   | 69.00             | 57.54                        | 56.31            | 1.11                             | .75               | .18                             | 4.43                                   | 1.55                   | 56.40   | 62.20                                                                      |      |
| 11                           | San Francisco        | 60.25                   | 78.74             | 43.83                        | 40.63            | 3.19                             | .34               | .19                             | 17.89                                  | 11.59                  | 46.77   | 69.23                                                                      |      |
| 12                           | Milwaukee            | 65.76                   | 88.01             | 59.75                        | 55.79            | 1.82                             | .92               | 1.95                            | 3.95                                   | 17.22                  | 46.99   | 68.88                                                                      |      |
| 13                           | Buffalo              | 62.03                   | 80.41             | 49.91                        | 46.76            | 2.68                             | .58               | 1.32                            | 4.30                                   | 20.95                  | 53.98   | 83.50                                                                      |      |
| 14                           | Washington           | 56.86                   | 84.69             | 52.37                        | 40.89            | 11.44                            | 2.21              | 1.05                            | 3.49                                   | 21.80                  | 43.12   | 66.03                                                                      |      |
| 15                           | Minneapolis          | 61.33                   | 68.24             | 43.25                        | 41.80            | 1.31                             | .66               | 4.39                            | 3.17                                   | 12.95                  | 46.66   | 58.18                                                                      |      |
| 16                           | New Orleans          | 70.49                   | 55.53             | 37.90                        | 34.33            | 3.31                             | 1.04              | 3.65                            | 5.34                                   | 5.70                   | 36.34   | 40.49                                                                      |      |
| 17                           | Cincinnati           | 68.04                   | 82.80             | 49.55                        | 44.33            | 4.03                             | .63               | 2.70                            | 5.46                                   | 9.49                   | 51.55   | 66.97                                                                      |      |
| 18                           | Newark               | 67.83                   | 107.53            | 80.59                        | 75.83            | 4.14                             | 1.41              | .62                             | 6.01                                   | 12.33                  | 57.58   | 79.21                                                                      |      |
| 19                           | Kansas City, Mo.     | 55.11                   | 52.82             | 42.44                        | 38.79            | 3.65                             | .22               | 1.09                            | 5.04                                   | 1.08                   | 50.17   | 43.47                                                                      |      |
| 20                           | Seattle              | 59.26                   | 91.89             | 45.46                        | 41.63            | 3.83                             | ---               | .26                             | 32.03                                  | 9.35                   | 70.76   | 69.63                                                                      |      |
| 21                           | Indianapolis         | 54.06                   | 47.29             | 41.88                        | 40.36            | 1.85                             | .92               | .22                             | .08                                    | 3.34                   | 37.43   | 37.95                                                                      |      |
| 22                           | Rochester            | 64.10                   | 94.62             | 57.55                        | 53.57            | 3.30                             | 1.12              | 5.65                            | 4.45                                   | 22.32                  | 55.12   | 87.00                                                                      |      |
| 23                           | Jersey City          | 62.07                   | 78.97             | 56.22                        | 55.09            | 3.80                             | 1.03              | .20                             | 6.07                                   | 6.52                   | 60.89   | 80.83                                                                      |      |
| 24                           | Houston <sup>1</sup> | 37.31                   | 47.38             | 33.44                        | 32.63            | .81                              | .20               | .02                             | 5.37                                   | 4.89                   | 29.72   | 34.73                                                                      |      |

<sup>1</sup> Total includes miscellaneous items not shown separately.<sup>2</sup> Less than one-half of 1 cent.

OF EACH CITY OF 100,000 OR MORE INHABITANTS: 1934—Continued  
thousands of dollars]

| Governmental-cost payments—Continued             |                    |                                   |                       |          |                                       |           |           |            |                                                         |          |          |          | City number in order of size |
|--------------------------------------------------|--------------------|-----------------------------------|-----------------------|----------|---------------------------------------|-----------|-----------|------------|---------------------------------------------------------|----------|----------|----------|------------------------------|
| Operation and maintenance of general departments |                    |                                   |                       |          |                                       |           |           |            | Operation and maintenance of public-service enterprises | Interest | Out-lays | Net debt |                              |
| Total                                            | General government | Protection to person and property | Health and sanitation | Highways | Charities, hospitals, and corrections | Education |           | Recreation |                                                         |          |          |          |                              |
|                                                  |                    |                                   |                       |          |                                       | Schools   | Libraries |            |                                                         |          |          |          |                              |
| 3,636                                            | 357                | 753                               | 236                   | 192      | 164                                   | 1,589     | 27        | 43         | 249                                                     | 1,277    | 219      | 18,569   | 69                           |
| 2,898                                            | 267                | 493                               | 272                   | 186      | 13                                    | 1,395     | 47        | 64         | 319                                                     | 604      | 195      | 12,656   | 70                           |
| 4,301                                            | 201                | 964                               | 268                   | 241      | 573                                   | 1,772     | 61        | 55         | 344                                                     | 1,008    | 116      | 16,953   | 71                           |
| 2,773                                            | 88                 | 463                               | 139                   | 129      | 29                                    | 1,741     | 46        | 109        | 12                                                      | 428      | 362      | 7,604    | 72                           |
| 2,701                                            | 139                | 462                               | 182                   | 314      | 32                                    | 1,297     | 61        | 104        | 167                                                     | 218      | 301      | 3,925    | 73                           |
| 3,847                                            | 175                | 676                               | 256                   | 236      | 759                                   | 1,238     | 40        | 42         | 181                                                     | 472      | 146      | 7,019    | 74                           |
| 6,171                                            | 254                | 1,050                             | 702                   | 240      | 1,049                                 | 1,802     | 76        | 173        | 338                                                     | 638      | 747      | 8,845    | 75                           |
| 4,174                                            | 204                | 801                               | 421                   | 258      | 731                                   | 1,380     | 56        | 64         | 234                                                     | 458      | 623      | 8,431    | 76                           |
| 3,049                                            | 236                | 427                               | 222                   | 260      | -----                                 | 1,545     | 38        | 145        | 220                                                     | 519      | 1,219    | 13,099   | 77                           |
| 2,267                                            | 128                | 510                               | 177                   | 168      | 231                                   | 943       | 40        | 14         | 199                                                     | 1,301    | 210      | 21,775   | 78                           |
| 2,570                                            | 188                | 471                               | 276                   | 276      | 97                                    | 1,089     | 72        | 154        | 5                                                       | 218      | 620      | 3,310    | 79                           |
| 2,244                                            | 80                 | 407                               | 102                   | 306      | 41                                    | 1,109     | 71        | 62         | 279                                                     | 283      | 74       | 6,016    | 80                           |
| 2,845                                            | 170                | 604                               | 211                   | 296      | 11                                    | 1,302     | 51        | 105        | 750                                                     | 811      | 655      | 14,824   | 81                           |
| 3,172                                            | 308                | 729                               | 286                   | 332      | 473                                   | 678       | 12        | 132        | 182                                                     | 2,165    | 302      | 25,885   | 82                           |
| 2,483                                            | 128                | 582                               | 123                   | 132      | 1                                     | 1,332     | 61        | 86         | -----                                                   | 279      | 121      | 5,823    | 83                           |
| 2,547                                            | 151                | 299                               | 125                   | 488      | 83                                    | 1,208     | 19        | 34         | 168                                                     | 682      | 66       | 9,409    | 84                           |
| 2,950                                            | 206                | 663                               | 281                   | 168      | 31                                    | 1,411     | 53        | 90         | 420                                                     | 645      | 663      | 12,921   | 85                           |
| 2,375                                            | 177                | 420                               | 298                   | 237      | 251                                   | 834       | 20        | 47         | 189                                                     | 954      | 216      | 16,056   | 86                           |
| 4,403                                            | 201                | 688                               | 488                   | 329      | 981                                   | 1,803     | 63        | 105        | 176                                                     | 465      | 80       | 3,966    | 87                           |
| 1,634                                            | 80                 | 351                               | 102                   | 85       | 37                                    | 776       | 23        | 56         | 193                                                     | 532      | 158      | 7,887    | 88                           |
| 2,150                                            | 86                 | 573                               | 103                   | 223      | 24                                    | 909       | 49        | 88         | 302                                                     | 174      | 158      | 4,435    | 89                           |
| 4,637                                            | 183                | 869                               | 424                   | 254      | 878                                   | 1,523     | 70        | 160        | 263                                                     | 422      | 482      | 6,683    | 90                           |
| 4,876                                            | 277                | 827                               | 306                   | 405      | 909                                   | 1,493     | 73        | 79         | -----                                                   | 617      | 981      | 12,243   | 91                           |
| 3,160                                            | 219                | 504                               | 105                   | 183      | 29                                    | 1,760     | 59        | 100        | 796                                                     | 568      | 812      | 11,464   | 92                           |
| 4,663                                            | 338                | 930                               | 273                   | 720      | 486                                   | 1,652     | -----     | 135        | 129                                                     | 819      | 944      | 15,842   | 93                           |
| 3,963                                            | 201                | 665                               | 317                   | 435      | 765                                   | 1,128     | 33        | 37         | 304                                                     | 394      | 230      | 4,272    | 94                           |

Source: Bureau of the Census, Department of Commerce.

## MENTS, AND NET DEBT OF CITIES OF 100,000 OR MORE INHABITANTS

on population estimates for 1933 as no estimates are available for 1934

| Governmental-cost payments, 1934, for—           |                    |                                   |                       |          |                                       |           |           |            |                                                         |          | Net debt |          | City number in order of size |
|--------------------------------------------------|--------------------|-----------------------------------|-----------------------|----------|---------------------------------------|-----------|-----------|------------|---------------------------------------------------------|----------|----------|----------|------------------------------|
| Operation and maintenance of general departments |                    |                                   |                       |          |                                       |           |           |            | Operation and maintenance of public-service enterprises | Interest | 1924     | 1934     |                              |
| Total                                            | General government | Protection to person and property | Health and sanitation | Highways | Charities, hospitals, and corrections | Education |           | Recreation |                                                         |          |          |          |                              |
|                                                  |                    |                                   |                       |          |                                       | Schools   | Libraries |            |                                                         |          |          |          |                              |
| \$71.34                                          | \$5.12             | \$11.11                           | \$5.71                | \$3.36   | \$18.69                               | \$18.73   | \$0.47    | \$1.32     | \$2.76                                                  | \$14.32  | \$202.91 | \$260.71 | 1                            |
| 36.02                                            | 4.26               | 6.97                              | 3.31                  | 3.11     | 1.94                                  | 10.79     | .35       | 1.73       | 1.88                                                    | 7.72     | 47.23    | 127.52   | 2                            |
| 39.51                                            | 4.76               | 8.64                              | 2.86                  | 2.37     | 3.81                                  | 12.85     | .94       | 1.18       | 1.04                                                    | 13.53    | 111.83   | 233.65   | 3                            |
| 43.28                                            | 3.56               | 8.36                              | 4.19                  | 2.50     | 9.69                                  | 11.65     | .48       | .74        | 9.23                                                    | 9.36     | 139.35   | 193.69   | 4                            |
| 54.01                                            | 4.88               | 8.88                              | 2.58                  | 3.01     | 14.65                                 | 16.55     | .77       | 1.31       | 8.42                                                    | 8.13     | 141.96   | 172.48   | 5                            |
| 46.63                                            | 3.96               | 5.93                              | 3.25                  | 3.17     | 12.45                                 | 13.49     | 1.39      | .49        | 4.96                                                    | 8.78     | 137.67   | 157.58   | 6                            |
| 37.49                                            | 3.49               | 8.87                              | 2.26                  | 2.32     | 5.88                                  | 11.84     | .52       | 1.46       | 2.66                                                    | 4.19     | 25.92    | 94.07    | 7                            |
| 41.86                                            | 2.96               | 8.75                              | 3.71                  | 3.73     | 8.83                                  | 10.22     | .56       | .98        | 1.60                                                    | 9.75     | 122.24   | 200.98   | 8                            |
| 74.05                                            | 4.71               | 10.94                             | 5.49                  | 4.09     | 19.84                                 | 18.56     | 1.21      | 2.70       | 3.27                                                    | 11.69    | 113.24   | 170.49   | 9                            |
| 49.39                                            | 6.38               | 7.51                              | 4.35                  | 4.05     | 5.13                                  | 16.01     | .98       | 1.43       | 3.04                                                    | 9.77     | 128.67   | 205.91   | 10                           |
| 51.12                                            | 3.75               | 10.07                             | 1.86                  | 2.01     | 14.92                                 | 11.78     | .45       | 2.66       | 6.52                                                    | 11.60    | 140.35   | 246.86   | 11                           |
| 61.46                                            | 3.31               | 7.70                              | 5.19                  | 3.39     | 21.59                                 | 14.07     | .61       | 2.80       | 1.68                                                    | 5.74     | 72.24    | 110.57   | 12                           |
| 71.82                                            | 4.23               | 8.62                              | 4.62                  | 3.82     | 22.21                                 | 17.63     | .85       | 2.83       | 2.12                                                    | 9.56     | 99.65    | 202.28   | 13                           |
| 64.35                                            | 2.87               | 10.31                             | 4.42                  | 6.29     | 17.79                                 | 15.48     | .65       | 2.54       | 1.69                                                    | -----    | 41       | -----    | 14                           |
| 50.25                                            | 3.13               | 5.19                              | 3.11                  | 4.03     | 11.81                                 | 16.07     | 1.00      | 2.35       | 1.76                                                    | 6.17     | 103.30   | 112.92   | 15                           |
| 25.40                                            | 3.49               | 6.73                              | 2.93                  | 2.67     | .84                                   | 7.18      | .15       | .57        | 4.39                                                    | 10.70    | 103.68   | 170.33   | 16                           |
| 52.23                                            | 3.94               | 5.88                              | 3.29                  | 3.92     | 12.54                                 | 17.74     | .78       | .78        | 2.70                                                    | 12.04    | 202.81   | 164.91   | 17                           |
| 60.49                                            | 5.12               | 12.87                             | 6.45                  | 2.20     | 7.30                                  | 21.00     | .79       | 1.22       | 2.62                                                    | 16.09    | 139.25   | 275.92   | 18                           |
| 33.05                                            | 4.77               | 4.56                              | 2.37                  | 4.30     | 3.79                                  | 10.61     | .56       | 1.32       | 2.64                                                    | 7.78     | 61.41    | 150.61   | 19                           |
| 39.47                                            | 4.26               | 7.35                              | 3.06                  | 5.39     | 3.92                                  | 11.03     | .61       | 1.00       | 15.83                                                   | 14.33    | 210.00   | 246.90   | 20                           |
| 33.63                                            | 2.70               | 7.90                              | 2.40                  | 2.81     | 2.93                                  | 11.69     | .65       | 1.06       | .06                                                     | 4.25     | 88.78    | 80.77    | 21                           |
| 74.55                                            | 5.07               | 7.41                              | 5.77                  | 4.40     | 23.00                                 | 19.08     | .54       | 2.25       | 1.83                                                    | 10.62    | 99.47    | 198.11   | 22                           |
| 63.40                                            | 6.06               | 12.69                             | 4.81                  | 3.08     | 14.28                                 | 15.13     | .65       | 1.61       | 3.37                                                    | 14.06    | 216.41   | 245.90   | 23                           |
| 23.20                                            | 2.78               | 3.72                              | 1.72                  | 2.71     | 1.89                                  | 9.53      | .25       | .39        | 2.48                                                    | 9.05     | 96.58    | 166.73   | 24                           |

1 For 1924, no percentage of county figures is included. See headnote, table 224.

## No. 225.—PER CAPITA REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS

| City number in order of size | City                    | Revenue receipts, total |                   | Revenue receipts 1934, for— |                  |                                  |                                 |                                        |                        |        | Governmental-cost payments for operation, maintenance, and interest, total |         |
|------------------------------|-------------------------|-------------------------|-------------------|-----------------------------|------------------|----------------------------------|---------------------------------|----------------------------------------|------------------------|--------|----------------------------------------------------------------------------|---------|
|                              |                         |                         |                   | Taxes                       |                  |                                  | Special assessments and charges | Earnings of public service enterprises | Subventions and grants |        |                                                                            |         |
|                              |                         | 1924                    | 1934 <sup>1</sup> | Total <sup>1</sup>          | General property | Business and nonbusiness license |                                 |                                        |                        |        |                                                                            |         |
|                              |                         |                         |                   |                             |                  | Total <sup>1</sup>               | On liquor traffic               |                                        |                        |        |                                                                            |         |
| 25                           | Louisville <sup>2</sup> | \$33.89                 | \$48.28           | \$35.47                     | \$33.56          | \$1.91                           | \$0.37                          | \$0.09                                 | \$5.32                 | \$1.80 | \$28.81                                                                    | \$39.56 |
| 26                           | Portland <sup>3</sup>   | 54.89                   | 67.31             | 46.30                       | 43.74            | 2.56                             | .69                             | 2.45                                   | 7.09                   | 5.48   | 39.48                                                                      | 50.20   |
| 27                           | Columbus                | 47.03                   | 41.80             | 24.58                       | 21.76            | 2.52                             | .53                             | 4.10                                   | 6.57                   | 3.77   | 35.12                                                                      | 35.10   |
| 28                           | Toledo                  | 45.89                   | 42.88             | 31.29                       | 28.55            | 2.52                             | .67                             | 3.56                                   | 3.95                   | 1.27   | 35.36                                                                      | 34.84   |
| 29                           | Oakland                 | 46.96                   | 58.34             | 33.12                       | 32.03            | 1.09                             | .16                             | 11.47                                  | 11.08                  | 33.55  | 46.88                                                                      |         |
| 30                           | Denver                  | 54.51                   | 57.94             | 39.51                       | 37.71            | 1.81                             | .33                             | 4.82                                   | 8.62                   | .23    | 45.51                                                                      | 50.51   |
| 31                           | Atlanta                 | 41.70                   | 34.84             | 22.88                       | 19.96            | 2.58                             | —                               | 1.76                                   | 6.31                   | .76    | 31.13                                                                      | 30.60   |
| 32                           | Dallas                  | 38.76                   | 35.19             | 22.42                       | 22.19            | .23                              | .09                             | .59                                    | 5.18                   | 4.23   | 32.00                                                                      | 27.54   |
| 33                           | St. Paul                | 54.44                   | 45.32             | 32.12                       | 29.21            | 2.88                             | .96                             | 3.37                                   | 3.56                   | 2.05   | 40.28                                                                      | 36.70   |
| 34                           | Birmingham              | 30.77                   | 25.66             | 15.66                       | 12.02            | 3.54                             | —                               | 4.40                                   | .04                    | 4.07   | 22.55                                                                      | 19.95   |
| 35                           | Akron                   | 44.29                   | 41.12             | 27.50                       | 24.99            | 2.51                             | .67                             | 4.84                                   | 4.51                   | 2.09   | 34.80                                                                      | 32.95   |
| 36                           | Memphis                 | 45.50                   | 35.88             | 23.51                       | 21.95            | 1.52                             | .05                             | .65                                    | 5.09                   | 3.44   | 37.38                                                                      | 25.81   |
| 37                           | Providence              | 46.83                   | 63.85             | 47.55                       | 46.06            | 1.28                             | 1.03                            | .77                                    | 6.47                   | 3.08   | 39.22                                                                      | 56.20   |
| 38                           | San Antonio             | 29.40                   | 31.36             | 22.18                       | 21.93            | 1.24                             | .06                             | (?)                                    | 4.13                   | 3.91   | 23.14                                                                      | 21.69   |
| 39                           | Omaha                   | 62.08                   | 55.21             | 31.96                       | 30.42            | 1.54                             | .40                             | 2.97                                   | 15.13                  | 1.22   | 47.07                                                                      | 40.90   |
| 40                           | Syracuse                | 54.78                   | 76.47             | 45.11                       | 42.52            | 2.30                             | 1.11                            | 3.54                                   | 4.08                   | 21.43  | 42.53                                                                      | 64.08   |
| 41                           | Dayton                  | 42.75                   | 41.49             | 20.43                       | 20.37            | 2.43                             | .56                             | 1.25                                   | 4.16                   | 2.95   | 31.00                                                                      | 30.97   |
| 42                           | Oklahoma City           | 44.82                   | 38.02             | 25.39                       | 24.52            | .87                              | .01                             | .18                                    | 4.57                   | 2.00   | 32.59                                                                      | 29.13   |
| 43                           | Worcester               | 61.73                   | 69.77             | 56.60                       | 49.10            | 1.21                             | 1.06                            | 1.09                                   | 4.55                   | 3.52   | 47.60                                                                      | 59.48   |
| 44                           | Richmond                | 48.71                   | 53.90             | 34.94                       | 31.37            | 3.24                             | 1.0                             | 1.02                                   | 10.98                  | 1.64   | 37.70                                                                      | 44.65   |
| 45                           | Youngstown              | 50.38                   | 44.12             | 32.63                       | 30.40            | 2.07                             | .59                             | 2.00                                   | 3.79                   | 4.49   | 30.40                                                                      | 37.06   |
| 46                           | Grand Rapids            | 53.85                   | 41.59             | 23.64                       | 23.11            | .43                              | 1.0                             | 2.11                                   | 5.09                   | 7.22   | 37.23                                                                      | 35.03   |
| 47                           | Fort Worth              | 29.80                   | 36.90             | 24.68                       | 24.63            | .15                              | .08                             | .20                                    | 4.92                   | 3.78   | 25.36                                                                      | 31.40   |
| 48                           | Hartford                | 58.72                   | 71.27             | 50.73                       | 53.93            | .43                              | .15                             | 1.09                                   | 5.71                   | 1.74   | 46.56                                                                      | 60.93   |
| 49                           | Flint                   | 44.92                   | 45.21             | 22.57                       | 22.28            | .29                              | .14                             | 2.99                                   | 3.68                   | 11.95  | 36.86                                                                      | 40.42   |
| 50                           | New Haven               | 40.45                   | 63.12             | 52.95                       | 51.77            | .53                              | .22                             | .16                                    | .01                    | 4.93   | 34.20                                                                      | 50.46   |
| 51                           | San Diego               | 89.71                   | 48.58             | 24.14                       | 23.38            | .76                              | .17                             | .45                                    | 10.81                  | 10.67  | 46.40                                                                      | 36.51   |
| 52                           | Long Beach              | 81.79                   | 68.05             | 32.16                       | 30.96            | 1.20                             | .13                             | .01                                    | 14.67                  | 12.15  | 49.28                                                                      | 50.35   |
| 53                           | Nashville               | 35.11                   | 35.44             | 22.18                       | 20.17            | 1.73                             | 1.0                             | 2.61                                   | 4.02                   | 4.63   | 28.33                                                                      | 28.38   |
| 54                           | Springfield, Mass.      | 72.98                   | 77.87             | 62.35                       | 53.73            | 1.12                             | .84                             | .44                                    | 6.29                   | 2.24   | 54.37                                                                      | 64.33   |
| 55                           | Tulsa                   | 66.20                   | 46.89             | 37.60                       | 37.02            | .87                              | —                               | —                                      | 6.32                   | 1.65   | 33.38                                                                      | 29.66   |
| 56                           | Bridgeport              | 48.64                   | 57.46             | 51.60                       | 50.42            | .48                              | .18                             | .04                                    | .10                    | 2.48   | 38.53                                                                      | 57.64   |
| 57                           | Des Moines              | 58.30                   | 44.48             | 35.48                       | 34.79            | .68                              | .28                             | .53                                    | 0.53                   | .03    | 39.34                                                                      | 36.30   |
| 58                           | Seranton                | 31.20                   | 38.04             | 32.60                       | 30.59            | 1.40                             | .98                             | .75                                    | .01                    | 2.45   | 30.03                                                                      | 34.63   |
| 59                           | Salt Lake City          | 46.57                   | 38.88             | 25.48                       | 24.48            | 1.03                             | —                               | 2.22                                   | 4.28                   | 5.49   | 35.08                                                                      | 33.42   |
| 60                           | Yonkers                 | 72.62                   | 106.78            | 74.19                       | 71.86            | 1.96                             | 1.16                            | 3.64                                   | 5.36                   | 19.02  | 61.07                                                                      | 82.52   |
| 61                           | Patterson               | 39.03                   | 64.04             | 46.45                       | 42.74            | 3.47                             | 1.26                            | .28                                    | 8.35                   | 2.23   | 39.20                                                                      | 57.13   |
| 62                           | Jacksonville            | 52.50                   | 51.99             | 19.69                       | 18.29            | 1.18                             | 1.12                            | 1.32                                   | 26.65                  | 3.05   | 42.13                                                                      | 42.60   |
| 63                           | Albany                  | 49.41                   | 79.96             | 53.94                       | 51.45            | 1.85                             | 1.11                            | 5.73                                   | 6.51                   | 11.29  | 42.75                                                                      | 68.28   |
| 64                           | Norfolk                 | 48.24                   | 66.14             | 40.44                       | 36.98            | 4.37                             | .19                             | .11                                    | 7.28                   | 7.91   | 45.32                                                                      | 49.64   |
| 65                           | Trenton                 | 44.38                   | 52.59             | 39.28                       | 34.90            | 3.99                             | .88                             | .38                                    | 4.78                   | 3.23   | 40.70                                                                      | 48.83   |
| 66                           | Chattanooga             | 27.98                   | 27.84             | 18.46                       | 17.24            | .86                              | .05                             | 1.26                                   | .13                    | 0.09   | 25.75                                                                      | 25.41   |
| 67                           | Kansas City, Kans.      | 55.00                   | 55.37             | 26.53                       | 25.86            | .67                              | —                               | 3.58                                   | 22.03                  | .29    | 43.65                                                                      | 35.10   |
| 68                           | Fort Wayne              | 54.63                   | 36.24             | 20.67                       | 19.34            | .90                              | .73                             | .07                                    | 11.23                  | 3.43   | 35.70                                                                      | 30.01   |
| 69                           | Camden                  | 41.28                   | 41.73             | 30.10                       | 26.53            | 3.40                             | 1.12                            | .52                                    | 4.36                   | 2.66   | 36.12                                                                      | 43.34   |
| 70                           | Erie                    | 41.46                   | 39.28             | 29.68                       | 28.19            | .70                              | .57                             | .61                                    | 5.28                   | 2.32   | 31.41                                                                      | 32.30   |
| 71                           | Elizabeth               | 39.73                   | 46.54             | 31.61                       | 27.79            | 3.65                             | 2.11                            | 1.02                                   | 7.40                   | 3.46   | 34.28                                                                      | 47.94   |
| 72                           | Wichita                 | 41.29                   | 30.92             | 23.47                       | 22.79            | .67                              | —                               | 4.24                                   | .14                    | .43    | 29.15                                                                      | 27.32   |
| 73                           | Spokane                 | 46.67                   | 35.31             | 18.97                       | 18.99            | .88                              | .11                             | .41                                    | 5.17                   | 7.55   | 35.60                                                                      | 26.38   |
| 74                           | Fall River              | 63.29                   | 50.15             | 43.39                       | 38.15            | 1.15                             | .86                             | —                                      | 3.49                   | 1.01   | 44.93                                                                      | 39.04   |
| 75                           | Cambridge               | 52.24                   | 70.17             | 62.14                       | 54.38            | 1.29                             | 1.02                            | .05                                    | 3.25                   | .88    | 46.05                                                                      | 50.20   |
| 76                           | New Bedford             | 64.38                   | 49.88             | 42.69                       | 35.66            | 1.01                             | .90                             | .03                                    | 3.63                   | 1.02   | 51.10                                                                      | 43.22   |
| 77                           | Reading                 | 26.99                   | 39.26             | 28.42                       | 23.76            | 1.04                             | .66                             | 2.08                                   | 4.91                   | 2.53   | 24.27                                                                      | 33.88   |
| 78                           | Knoxville               | 28.84                   | 35.70             | 22.79                       | 21.74            | .93                              | .07                             | 1.11                                   | 5.64                   | 3.84   | 33.01                                                                      | 34.06   |
| 79                           | Peoria                  | 31.80                   | 37.80             | 32.69                       | 29.11            | 3.58                             | 1.06                            | 2.86                                   | .12                    | .42    | 26.57                                                                      | 27.08   |
| 80                           | South Bend              | 65.10                   | 30.57             | 22.18                       | 21.22            | .76                              | .58                             | .10                                    | 3.79                   | 3.50   | 34.49                                                                      | 25.60   |
| 81                           | Tacoma                  | 66.42                   | 56.51             | 18.26                       | 17.88            | .38                              | .03                             | .43                                    | 26.21                  | 8.37   | 41.16                                                                      | 40.72   |
| 82                           | Miami                   | (*)                     | 57.68             | 34.26                       | 31.61            | 2.75                             | .05                             | 12.94                                  | 4.38                   | 2.22   | (*)                                                                        | 51.01   |
| 83                           | Gary                    | 42.57                   | 28.59             | 24.34                       | 23.86            | .41                              | .35                             | .04                                    | —                      | 3.64   | 32.74                                                                      | 25.57   |
| 84                           | Canton                  | 45.25                   | 37.21             | 25.86                       | 23.13            | 2.04                             | .85                             | 3.97                                   | 3.37                   | 1.43   | 31.48                                                                      | 31.60   |
| 85                           | Wilmington              | 33.73                   | 42.81             | 22.25                       | 21.52            | .73                              | —                               | .48                                    | 5.71                   | 12.10  | 27.73                                                                      | 37.67   |
| 86                           | Tampa                   | 28.23                   | 42.77             | 30.25                       | 28.48            | 1.42                             | .01                             | .92                                    | 4.63                   | 4.07   | 22.97                                                                      | 33.04   |
| 87                           | Somerville              | 38.77                   | 51.51             | 42.06                       | 37.26            | .93                              | .72                             | .47                                    | 4.86                   | .74    | 30.55                                                                      | 47.67   |
| 88                           | El Paso                 | 40.03                   | 27.26             | 16.74                       | 16.52            | .22                              | .07                             | —                                      | 4.07                   | 4.69   | 26.87                                                                      | 21.35   |
| 89                           | Evansville              | 38.62                   | 30.89             | 21.37                       | 20.43            | .78                              | .49                             | .02                                    | 4.59                   | 3.37   | 25.45                                                                      | 24.98   |
| 90                           | Lynn                    | 47.13                   | 58.73             | 48.39                       | 42.94            | .78                              | .61                             | .25                                    | 4.77                   | 1.56   | 39.35                                                                      | 51.72   |
| 91                           | Utica                   | 41.86                   | 63.09             | 43.03                       | 40.81            | 1.66                             | 1.13                            | 1.52                                   | 14                     | 16.61  | 33.71                                                                      | 53.54   |
| 92                           | Duluth                  | 60.28                   | 61.20             | 38.25                       | 37.13            | 1.04                             | .67                             | 1.37                                   | 11.67                  | 6.23   | 41.34                                                                      | 44.40   |
| 93                           | Waterbury               | 54.58                   | 64.54             | 55.12                       | 53.99            | .44                              | .17                             | .28                                    | 5.89                   | 1.27   | 47.59                                                                      | 55.39   |
| 94                           | Lowell                  | 47.84                   | 51.08             | 44.03                       | 38.44            | 1.11                             | .91                             | .09                                    | 3.46                   | 1.10   | 44.46                                                                      | 46.50   |

<sup>1</sup> Total includes miscellaneous items not shown separately.<sup>2</sup> Less than one-half of 1 cent.<sup>3</sup> For 1924 no percentage of county figures is included. See headnote, table 224.<sup>4</sup> Not reported.

## AND NET DEBT OF CITIES OF 100,000 OR MORE INHABITANTS—Continued

| Governmental-cost payments, 1934, for—           |                    |                                   |                       |          |                                       |           |           |            |                                                         |          | Net debt |          | City number in order of size |
|--------------------------------------------------|--------------------|-----------------------------------|-----------------------|----------|---------------------------------------|-----------|-----------|------------|---------------------------------------------------------|----------|----------|----------|------------------------------|
| Operation and maintenance of general departments |                    |                                   |                       |          |                                       |           |           |            |                                                         |          | 1924     | 1934     |                              |
| Total                                            | General government | Protection to person and property | Health and sanitation | Highways | Charities, hospitals, and corrections | Education |           | Recreation | Operation and maintenance of public-service enterprises | Interest |          |          |                              |
|                                                  |                    |                                   |                       |          |                                       | Schools   | Libraries |            |                                                         |          |          |          |                              |
| \$32.10                                          | \$2.48             | \$5.62                            | \$2.82                | \$2.47   | \$4.96                                | \$11.47   | \$0.46    | \$0.93     | \$2.05                                                  | \$5.41   | \$48.88  | \$104.61 |                              |
| 35.42                                            | 3.32               | 6.38                              | 1.63                  | 3.02     | 7.05                                  | 10.30     | .76       | .75        | 3.19                                                    | 11.69    | 117.63   | 187.23   |                              |
| 25.45                                            | 1.29               | 4.14                              | 1.58                  | 1.71     | 2.67                                  | 11.41     | .20       | .23        | 3.19                                                    | 6.45     | 93.21    | 99.53    |                              |
| 26.19                                            | 1.32               | 5.12                              | 1.85                  | 2.33     | .61                                   | 12.32     | .71       | .37        | 2.35                                                    | 6.30     | 102.93   | 119.83   |                              |
| 31.60                                            | 1.18               | 7.08                              | 1.57                  | 2.04     | .07                                   | 16.71     | .73       | 1.54       | 5.48                                                    | 9.80     | 44.98    | 192.05   |                              |
| 41.04                                            | 4.18               | 6.41                              | 1.94                  | 3.68     | 6.00                                  | 14.37     | .69       | 1.89       | 2.35                                                    | 6.52     | 94.73    | 111.48   |                              |
| 26.30                                            | 1.36               | 5.46                              | 2.66                  | 1.59     | 3.92                                  | 9.53      | .39       | .63        | 1.57                                                    | 2.73     | 42.12    | 45.42    |                              |
| 19.55                                            | 1.09               | 4.03                              | 1.63                  | 1.08     | .68                                   | 9.59      | .19       | .82        | 1.79                                                    | 6.20     | 92.46    | 128.79   |                              |
| 26.80                                            | 1.74               | 5.46                              | 1.19                  | 1.73     | 3.30                                  | 10.50     | .76       | .87        | 2.06                                                    | 7.85     | 92.52    | 100.64   |                              |
| 15.29                                            | .72                | 3.34                              | 1.01                  | .98      | .23                                   | 7.72      | .25       | .55        | .06                                                     | 4.60     | 49.60    | 68.18    |                              |
| 22.47                                            | 1.07               | 2.81                              | 1.14                  | 1.32     | 3.21                                  | 11.50     | .87       | .02        | 1.01                                                    | 9.48     | 130.47   | 148.57   |                              |
| 18.78                                            | .88                | 4.34                              | 1.92                  | 1.69     | 1.44                                  | 7.01      | .25       | .91        | 1.57                                                    | 5.45     | 136.06   | 99.77    |                              |
| 44.10                                            | 2.07               | 8.95                              | 4.28                  | 3.42     | 4.62                                  | 14.85     | .26       | 1.67       | 2.65                                                    | 9.46     | 70.74    | 171.06   |                              |
| 14.21                                            | .68                | 2.34                              | 1.26                  | .80      | .06                                   | 8.32      | .13       | .48        | .97                                                     | 6.51     | 48.35    | 110.30   |                              |
| 24.20                                            | 1.38               | 5.08                              | 1.05                  | 1.69     | .09                                   | 12.03     | .29       | .34        | 9.23                                                    | 7.48     | 143.65   | 110.01   |                              |
| 53.82                                            | 2.69               | 7.34                              | 4.54                  | 2.64     | 14.01                                 | 15.39     | .56       | 1.47       | 1.51                                                    | 8.75     | 94.11    | 190.87   |                              |
| 25.97                                            | 1.24               | 3.84                              | 2.01                  | 1.91     | 1.71                                  | 10.82     | .71       | .68        | 1.12                                                    | 5.87     | 69.57    | 99.43    |                              |
| 17.71                                            | .79                | 3.57                              | 1.23                  | .82      | .28                                   | 9.35      | .19       | .33        | 1.14                                                    | 5.76     | 101.55   | 80.93    |                              |
| 54.27                                            | 2.32               | 9.36                              | 4.04                  | 5.99     | 10.88                                 | 16.99     | .79       | .89        | 1.98                                                    | 2.92     | 42.88    | 58.16    |                              |
| 30.36                                            | 2.97               | 5.84                              | 3.00                  | 2.24     | 3.25                                  | 11.22     | .35       | .63        | 5.19                                                    | 1.99     | 128.82   | 142.04   |                              |
| 31.32                                            | 1.40               | 4.28                              | 1.40                  | 2.16     | 3.61                                  | 15.31     | .55       | 1.19       | 2.39                                                    | 3.35     | 75.14    | 55.78    |                              |
| 28.18                                            | 1.19               | 4.95                              | 1.94                  | 1.66     | 4.45                                  | 12.19     | .69       | .71        | 2.26                                                    | 4.58     | 53.28    | 74.57    |                              |
| 22.45                                            | 1.12               | 4.48                              | 1.84                  | 1.60     | 1.09                                  | 10.81     | .26       | 1.07       | 1.44                                                    | 7.61     | 84.55    | 135.33   |                              |
| 52.20                                            | 2.82               | 9.22                              | 4.20                  | 2.94     | 10.97                                 | 17.17     | .60       | 2.00       | 2.22                                                    | 6.51     | 91.76    | 143.41   |                              |
| 30.37                                            | 1.25               | 3.66                              | 1.27                  | 1.48     | 10.23                                 | 11.22     | .44       | .60        | 1.90                                                    | 8.16     | 118.40   | 98.21    |                              |
| 45.98                                            | 2.14               | 10.59                             | 2.46                  | 2.79     | 7.73                                  | 15.97     | .63       | 1.42       | .02                                                     | 4.46     | 61.19    | 93.64    |                              |
| 27.96                                            | 1.53               | 6.20                              | 1.91                  | 2.21     | .08                                   | 13.60     | .61       | 1.73       | 2.69                                                    | 5.85     | 138.90   | 184.50   |                              |
| 35.21                                            | 2.69               | 6.25                              | 2.30                  | 2.49     | 7.71                                  | 17.01     | .62       | 2.38       | 8.01                                                    | 7.14     | 126.93   | 150.75   |                              |
| 21.67                                            | 1.42               | 6.06                              | 2.03                  | 1.35     | 2.23                                  | 6.69      | .28       | .92        | 2.05                                                    | 4.66     | 88.84    | 108.23   |                              |
| 57.16                                            | 2.32               | 9.01                              | 4.85                  | 5.08     | 10.23                                 | 17.58     | 1.34      | 2.08       | 1.90                                                    | 5.27     | 111.92   | 111.83   |                              |
| 19.95                                            | 1.03               | 4.08                              | 1.07                  | 1.14     | .38                                   | 10.98     | .26       | .61        | 1.68                                                    | 8.03     | 110.09   | 125.96   |                              |
| 62.88                                            | 2.24               | 10.91                             | 4.02                  | 2.70     | 12.82                                 | 15.77     | .87       | 1.23       | .12                                                     | 4.64     | 76.89    | 104.21   |                              |
| 28.32                                            | 1.64               | 5.69                              | 1.66                  | 2.87     | -----                                 | 14.23     | .59       | .62        | 2.19                                                    | 5.79     | 104.90   | 122.09   |                              |
| 31.71                                            | 1.82               | 6.02                              | 2.34                  | 1.81     | 2.78                                  | 14.25     | .30       | .85        | (?)                                                     | 2.91     | 28.84    | 59.80    |                              |
| 27.36                                            | 2.59               | 3.67                              | .84                   | 2.37     | .17                                   | 15.14     | .63       | 1.23       | 1.75                                                    | 4.30     | 74.09    | 88.86    |                              |
| 66.55                                            | 4.30               | 9.85                              | 8.44                  | 3.45     | 12.00                                 | 19.09     | .31       | 1.45       | 2.19                                                    | 13.78    | 134.69   | 237.19   |                              |
| 44.31                                            | 1.27               | 8.65                              | 3.77                  | 1.38     | 3.79                                  | 22.16     | .50       | .39        | 4.84                                                    | 7.97     | 72.05    | 235.01   |                              |
| 25.74                                            | 1.56               | 6.58                              | 3.33                  | 3.08     | .48                                   | 7.38      | .51       | 1.40       | 10.80                                                   | 5.97     | 90.32    | 103.05   |                              |
| 53.46                                            | 2.77               | 11.01                             | 5.45                  | 7.09     | 6.14                                  | 14.36     | .58       | 2.24       | 4.02                                                    | 10.80    | 103.99   | 219.05   |                              |
| 29.58                                            | 2.58               | 6.88                              | 3.19                  | 1.15     | 5.08                                  | 8.62      | .26       | .67        | 2.03                                                    | 18.02    | 237.99   | 239.25   |                              |
| 36.51                                            | 1.39               | 8.13                              | 3.97                  | 2.65     | 2.04                                  | 14.99     | .77       | .74        | 3.80                                                    | 8.72     | 65.04    | 131.67   |                              |
| 19.17                                            | .95                | 4.83                              | 1.10                  | 1.82     | 2.12                                  | 7.15      | .37       | .32        | .18                                                     | 6.07     | 102.25   | 106.48   |                              |
| 17.89                                            | 1.23               | 4.94                              | .61                   | .93      | .13                                   | 8.93      | .18       | .37        | 11.92                                                   | 6.29     | 110.44   | 76.13    |                              |
| 10.99                                            | .83                | 4.03                              | 1.43                  | .76      | -----                                 | 10.58     | .48       | .51        | 7.68                                                    | 2.34     | 39.60    | 48.14    |                              |
| 30.53                                            | 3.00               | 6.33                              | 1.98                  | 1.61     | 1.38                                  | 13.34     | .22       | .36        | 2.10                                                    | 10.72    | 68.82    | 155.91   |                              |
| 24.50                                            | 2.26               | 4.16                              | 2.30                  | 1.59     | .11                                   | 11.79     | .40       | .54        | 2.69                                                    | 5.11     | 66.10    | 100.98   |                              |
| 36.48                                            | 1.70               | 8.18                              | 2.28                  | 2.05     | 4.85                                  | 15.03     | .62       | .47        | 2.92                                                    | 8.55     | 27.75    | 143.79   |                              |
| 23.58                                            | .75                | 3.86                              | 1.19                  | 1.10     | .24                                   | 14.81     | .39       | .91        | .10                                                     | 3.64     | 54.12    | 64.68    |                              |
| 23.17                                            | 1.19               | 3.96                              | 1.56                  | 2.70     | .28                                   | 11.13     | .62       | .89        | 1.85                                                    | 1.87     | 51.76    | 33.66    |                              |
| 33.37                                            | 1.52               | 5.87                              | 2.22                  | 2.03     | 6.59                                  | 10.74     | .34       | .37        | 1.57                                                    | 4.09     | 76.01    | 80.89    |                              |
| 50.67                                            | 2.22               | 9.18                              | 6.14                  | 2.10     | 9.18                                  | 15.77     | .66       | 1.51       | 2.95                                                    | 5.58     | 54.24    | 77.38    |                              |
| 37.07                                            | 1.81               | 7.11                              | 3.74                  | 2.29     | 6.49                                  | 12.26     | .50       | .56        | 2.08                                                    | 4.06     | 101.82   | 74.88    |                              |
| 27.27                                            | 2.11               | 3.81                              | 1.99                  | 2.32     | -----                                 | 13.82     | .34       | 1.30       | 1.97                                                    | 4.64     | 53.05    | 117.17   |                              |
| 20.51                                            | 1.16               | 4.62                              | 1.60                  | 1.52     | 2.08                                  | 8.53      | .37       | .13        | 1.80                                                    | 11.76    | 126.85   | 196.89   |                              |
| 25.04                                            | 1.72               | 4.20                              | 2.51                  | 2.51     | .88                                   | 9.74      | .66       | 1.40       | .05                                                     | 1.98     | 12.53    | 30.20    |                              |
| 20.47                                            | .73                | 3.71                              | .94                   | 2.74     | .38                                   | 10.12     | .65       | .66        | 2.54                                                    | 2.59     | 92.35    | 54.89    |                              |
| 26.29                                            | 1.57               | 5.58                              | 1.95                  | 2.73     | .10                                   | 12.03     | .47       | .97        | 6.94                                                    | 7.49     | 102.80   | 137.01   |                              |
| 29.31                                            | 2.85               | 6.74                              | 2.64                  | 3.53     | 4.87                                  | 6.27      | .11       | 1.22       | 1.68                                                    | 20.01    | (4)      | 238.77   |                              |
| 22.99                                            | 1.19               | 5.39                              | 1.14                  | 1.22     | .01                                   | 12.33     | .56       | .79        | -----                                                   | 2.68     | 33.81    | 53.92    |                              |
| 23.69                                            | 1.41               | 2.70                              | 1.16                  | 4.54     | .78                                   | 11.24     | .17       | .31        | 1.56                                                    | 6.35     | 109.26   | 87.52    |                              |
| 27.67                                            | 1.93               | 5.13                              | 2.63                  | 1.88     | .29                                   | 13.24     | .49       | .84        | 3.94                                                    | 6.05     | 87.22    | 121.21   |                              |
| 22.31                                            | 1.66               | 3.94                              | 2.80                  | 2.23     | 2.35                                  | 7.84      | .19       | .45        | 1.77                                                    | 8.96     | 61.44    | 150.76   |                              |
| 41.62                                            | 1.90               | 6.50                              | 4.61                  | 3.11     | 9.27                                  | 12.32     | .59       | 1.00       | 1.66                                                    | 4.39     | 16.08    | 37.49    |                              |
| 14.50                                            | .76                | 3.32                              | .97                   | .80      | .35                                   | 7.33      | .22       | .53        | 1.82                                                    | 5.03     | 60.10    | 74.55    |                              |
| 20.46                                            | .82                | 5.46                              | .98                   | 2.17     | .23                                   | 8.65      | .46       | .84        | 2.87                                                    | 1.65     | 40.79    | 42.20    |                              |
| 45.07                                            | 1.78               | 8.44                              | 4.12                  | 2.47     | 8.53                                  | 14.80     | .68       | 1.55       | 2.55                                                    | 4.10     | 49.41    | 84.95    |                              |
| 47.52                                            | 2.70               | 8.05                              | 2.98                  | 3.94     | 8.86                                  | 14.55     | .71       | .77        | -----                                                   | 6.02     | 62.20    | 119.32   |                              |
| 31.01                                            | 2.15               | 4.95                              | 1.03                  | 1.79     | .28                                   | 17.27     | .67       | .99        | 7.32                                                    | 5.57     | 85.75    | 112.60   |                              |
| 46.03                                            | 3.33               | 9.18                              | 2.70                  | 7.11     | 4.80                                  | 16.30     | -----     | 1.34       | 1.27                                                    | 8.09     | 123.57   | 156.38   |                              |
| 39.54                                            | 2.01               | 6.83                              | 3.17                  | 4.34     | 7.63                                  | 11.23     | .32       | .37        | 3.03                                                    | 3.93     | 62.42    | 42.63    |                              |

Source: Bureau of the Census, Department of Commerce.

# No. 226.—REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS AND NET DEBT OF 94 CITIES OF 100,000 OR MORE INHABITANTS: 1930, 1933, AND 1934

NOTE.—For per capita figures for 146 cities for 1933 to 1931, see Statistical Abstract, 1935, table 224. Data were compiled for cities of 100,000 or more inhabitants only in 1933 and 1934

|                                             | 1930                          |                      |                  | 1933                          |                      |                  | 1934                          |                      |                  |
|---------------------------------------------|-------------------------------|----------------------|------------------|-------------------------------|----------------------|------------------|-------------------------------|----------------------|------------------|
|                                             | Amount (thousands of dollars) | Per capita (dollars) | Percent of total | Amount (thousands of dollars) | Per capita (dollars) | Percent of total | Amount (thousands of dollars) | Per capita (dollars) | Percent of total |
| Revenue receipts, total.....                | 2,819,262                     | 77.34                | 100.0            | 2,506,724                     | 66.88                | 100.0            | 2,711,005                     | 72.21                | 100.0            |
| From taxes.....                             | 1,955,048                     | 53.90                | 69.7             | 1,720,358                     | 45.90                | 68.6             | 1,839,380                     | 48.99                | 67.8             |
| General property.....                       | 1,799,824                     | 49.37                | 63.8             | 1,612,040                     | 43.02                | 64.3             | 1,697,903                     | 45.22                | 62.6             |
| Other taxes.....                            | 165,224                       | 4.53                 | 5.9              | 107,718                       | 2.87                 | 4.3              | 141,477                       | 3.77                 | 5.2              |
| Earnings of public-service enterprises..... | 270,735                       | 7.43                 | 9.6              | 238,258                       | 6.36                 | 9.5              | 266,433                       | 7.10                 | 9.8              |
| All other.....                              | 583,429                       | 16.00                | 20.7             | 548,108                       | 14.62                | 21.9             | 605,192                       | 16.12                | 22.3             |
| Governmental-cost payments, total.....      | 3,161,905                     | 86.74                | 100.0            | 2,464,319                     | 65.75                | 100.0            | 2,522,520                     | 67.19                | 100.0            |
| Operation and maintenance.....              | 1,878,479                     | 51.53                | 59.4             | 1,842,307                     | 49.15                | 74.8             | 1,865,230                     | 49.68                | 73.0             |
| General departments.....                    | 1,737,575                     | 47.66                | 55.0             | 1,727,043                     | 46.08                | 70.1             | 1,744,975                     | 46.48                | 69.2             |
| Public-service enterprises.....             | 140,904                       | 3.87                 | 4.5              | 115,264                       | 3.08                 | 7.7              | 120,255                       | 3.20                 | 4.8              |
| Interest.....                               | 341,401                       | 9.37                 | 10.8             | 355,016                       | 9.47                 | 14.4             | 332,880                       | 8.40                 | 14.0             |
| Outlays.....                                | 942,025                       | 25.84                | 29.8             | 260,996                       | 7.12                 | 10.8             | 304,404                       | 8.11                 | 12.1             |
| Net debt <sup>1</sup> .....                 | 5,820,086                     | 159.66               |                  | 6,360,587                     | 169.70               |                  | 6,380,478                     | 169.94               |                  |

<sup>1</sup> Net debt is funded and floating debt less assets in general sinking funds.

# No. 227.—REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF CITIES OF 100,000 OR MORE INHABITANTS: BY SIZE GROUPS, 1934

|                                                                     | Amount (thousands of dollars) |              |                 |                 | Per capita (dollars) |              |                 |                 |
|---------------------------------------------------------------------|-------------------------------|--------------|-----------------|-----------------|----------------------|--------------|-----------------|-----------------|
|                                                                     | Total                         | Over 500,000 | 300,000—500,000 | 100,000—300,000 | Total                | Over 500,000 | 300,000—500,000 | 100,000—300,000 |
| Revenue receipts, total.....                                        | 2,711,005                     | 1,809,235    | 371,375         | 530,395         | 72.21                | 84.12        | 72.71           | 48.58           |
| From taxes, total.....                                              | 1,839,380                     | 1,226,853    | 249,798         | 362,729         | 48.99                | 57.04        | 48.91           | 33.19           |
| General property.....                                               | 1,697,903                     | 1,131,088    | 228,936         | 337,879         | 45.22                | 52.59        | 44.82           | 30.91           |
| Special property.....                                               | 5,670                         | 2,695        | 804             | 2,671           | .15                  | .13          | .06             | .24             |
| Other special taxes.....                                            | 15,480                        | 10,991       | 912             | 3,527           | .41                  | .51          | .18             | .32             |
| Business license:                                                   |                               |              |                 |                 |                      |              |                 |                 |
| On liquor traffic.....                                              | 28,610                        | 19,235       | 4,452           | 4,923           | .76                  | .89          | .87             | .45             |
| All other.....                                                      | 63,179                        | 42,641       | 11,405          | 9,133           | 1.68                 | 1.95         | 2.23            | .84             |
| Nonbusiness license.....                                            | 26,448                        | 19,874       | 3,569           | 3,005           | .70                  | .92          | .70             | .27             |
| Poll.....                                                           | 2,140                         | 329          | 220             | 1,591           | .06                  | .02          | .04             | .16             |
| Special assessments and special charges.....                        | 60,617                        | 32,150       | 9,580           | 18,887          | 1.61                 | 1.49         | 1.88            | 1.73            |
| Fines, forfeits, and escheats.....                                  | 5,022                         | 4,586        | 1,079           | 2,357           | .21                  | .21          | .21             | .22             |
| Subventions and grants.....                                         | 329,540                       | 232,435      | 48,941          | 48,164          | 8.73                 | 10.81        | 9.65            | 4.41            |
| Donations and pension assessments.....                              | 35,396                        | 26,636       | 4,418           | 4,342           | .94                  | 1.24         | .87             | .40             |
| Highway privileges, rents of investment property, and interest..... | 104,893                       | 80,884       | 11,584          | 12,425          | 2.79                 | 3.76         | 2.27            | 1.14            |
| Earnings of general departments.....                                | 66,724                        | 39,094       | 11,776          | 15,855          | 1.78                 | 1.82         | 2.31            | 1.45            |
| Earnings of public-service enterprises.....                         | 266,433                       | 166,597      | 34,200          | 65,636          | 7.10                 | 7.75         | 6.70            | 6.01            |
| Governmental-cost payments, total.....                              | 2,522,520                     | 1,701,686    | 338,476         | 482,358         | 67.19                | 79.12        | 66.27           | 44.18           |
| Operation, maintenance, and interest, total.....                    | 2,218,116                     | 1,480,500    | 300,505         | 437,111         | 59.08                | 68.83        | 58.84           | 39.60           |
| Operation and maintenance, total.....                               | 1,865,230                     | 1,245,867    | 253,412         | 365,951         | 49.68                | 57.92        | 49.62           | 33.49           |
| General departments, total.....                                     | 1,744,975                     | 1,171,619    | 236,044         | 337,312         | 46.48                | 54.47        | 46.22           | 30.86           |
| General government.....                                             | 135,766                       | 97,319       | 19,669          | 18,778          | 3.62                 | 4.52         | 3.85            | 1.72            |
| Protection to person and property.....                              | 208,758                       | 196,731      | 38,666          | 63,361          | 7.96                 | 9.16         | 7.57            | 5.80            |
| Health and sanitation.....                                          | 134,296                       | 90,700       | 18,052          | 25,544          | 3.68                 | 4.22         | 3.53            | 2.34            |
| Highways.....                                                       | 111,306                       | 67,243       | 19,209          | 24,854          | 2.97                 | 3.13         | 3.76            | 2.27            |
| Charities, hospitals, and corrections.....                          | 345,214                       | 262,330      | 45,307          | 37,577          | 9.19                 | 12.20        | 8.88            | 3.44            |
| Schools.....                                                        | 626,864                       | 321,367      | 70,803          | 134,694         | 14.03                | 14.94        | 13.86           | 12.32           |
| Libraries.....                                                      | 20,271                        | 12,016       | 3,154           | 5,101           | .54                  | .56          | .62             | .47             |
| Recreation.....                                                     | 48,305                        | 31,609       | 6,884           | 9,913           | 1.29                 | 1.46         | 1.35            | .91             |
| Miscellaneous.....                                                  | 124,194                       | 92,404       | 14,300          | 17,490          | 3.31                 | 4.30         | 2.80            | 1.60            |
| Public-service enterprises.....                                     | 120,255                       | 74,248       | 17,368          | 28,639          | 3.20                 | 3.45         | 3.40            | 2.62            |
| Interest.....                                                       | 362,886                       | 234,633      | 47,093          | 71,160          | 9.40                 | 10.91        | 9.22            | 6.51            |
| Outlays for permanent improvements.....                             | 304,404                       | 221,186      | 37,971          | 45,247          | 8.11                 | 10.28        | 7.43            | 4.14            |

Source of tables 226 and 227: Bureau of the Census, Department of Commerce.

# 11. MONEY AND BANKING

## No. 228.—COINAGE OF THE UNITED STATES MINTS: 1793 to 1935

[All figures in thousands of dollars]

| Period <sup>1</sup> or<br>calendar<br>year | Total   | Gold    | Silver  | Minor  | Calendar<br>year | Total     | Gold      | Silver    | Minor   |
|--------------------------------------------|---------|---------|---------|--------|------------------|-----------|-----------|-----------|---------|
| 1793-1800.....                             | 2,534   | 1,014   | 1,440   | 79     | 1906.....        | 92,335    | 78,793    | 10,651    | 2,891   |
| 1801-1810.....                             | 6,971   | 3,250   | 3,569   | 151    | 1907.....        | 148,128   | 131,907   | 13,178    | 3,042   |
| 1811-1820.....                             | 9,328   | 3,167   | 5,971   | 191    | 1908.....        | 145,499   | 131,639   | 12,992    | 1,469   |
| 1821-1830.....                             | 18,830  | 1,903   | 16,781  | 151    | 1909.....        | 98,621    | 88,777    | 8,088     | 1,758   |
| 1831-1840.....                             | 46,464  | 18,777  | 27,343  | 342    | 1910.....        | 111,505   | 104,724   | 8,744     | 3,037   |
| 1841-1850.....                             | 111,900 | 89,216  | 22,368  | 381    | 1911.....        | 65,791    | 56,177    | 6,457     | 3,157   |
| 1851-1855.....                             | 237,990 | 214,143 | 22,942  | 276    | 1912.....        | 27,417    | 17,499    | 7,841     | 2,577   |
| 1856-1860.....                             | 165,945 | 130,264 | 24,660  | 1,021  | 1913.....        | 33,285    | 25,433    | 3,184     | 4,667   |
| 1861-1865.....                             | 185,015 | 175,094 | 7,146   | 2,775  | 1914.....        | 61,750    | 53,458    | 6,084     | 2,208   |
| 1866-1870.....                             | 126,901 | 115,418 | 5,610   | 5,873  | 1915.....        | 30,145    | 23,968    | 4,114     | 2,063   |
| 1871-1875.....                             | 201,846 | 168,075 | 31,383  | 1,488  | 1916.....        | 33,743    | 18,625    | 8,881     | 6,388   |
| 1876-1880.....                             | 378,984 | 241,754 | 136,397 | 834    | 1917.....        | 35,540    | 10        | 29,412    | 6,118   |
| 1881-1885.....                             | 390,384 | 243,745 | 142,657 | 3,981  | 1918.....        | 31,446    |           | 25,473    | 5,973   |
| 1886-1890.....                             | 306,822 | 126,180 | 175,003 | 5,139  | 1919.....        | 20,778    |           | 11,068    | 9,709   |
| 1891-1895.....                             | 328,759 | 260,169 | 63,881  | 4,729  | 1920.....        | 50,214    | 16,990    | 25,067    | 8,167   |
| 1896-1900.....                             | 646,056 | 411,684 | 127,018 | 7,352  | 1921.....        | 100,783   | 10,670    | 89,068    | 1,155   |
| 1901-1905.....                             | 689,216 | 475,645 | 102,769 | 10,801 | 1922.....        | 105,077   | 60,680    | 84,325    | 72      |
| 1906-1910.....                             | 596,088 | 535,840 | 48,064  | 12,195 | 1923.....        | 114,575   | 45,366    | 66,283    | 2,927   |
| 1911-1915.....                             | 218,388 | 176,636 | 27,180  | 14,672 | 1924.....        | 223,947   | 206,010   | 21,627    | 2,310   |
| 1916-1920.....                             | 171,721 | 35,625  | 99,892  | 36,304 | 1925.....        | 216,487   | 192,380   | 19,874    | 4,203   |
| 1921-1925.....                             | 826,838 | 635,005 | 281,167 | 10,666 | 1926.....        | 102,828   | 78,641    | 19,826    | 4,462   |
| 1926-1930.....                             | 490,704 | 424,221 | 51,109  | 21,374 | 1927.....        | 141,147   | 125,645   | 11,286    | 4,216   |
| 1896.....                                  | 70,976  | 47,053  | 23,080  | 833    | 1928.....        | 189,773   | 177,360   | 8,749     | 3,665   |
| 1897.....                                  | 96,042  | 76,028  | 18,467  | 1,526  | 1929.....        | 54,225    | 40,235    | 8,591     | 5,400   |
| 1898.....                                  | 102,145 | 77,966  | 23,034  | 1,125  | 1930.....        | 8,731     | 2,440     | 2,658     | 3,632   |
| 1899.....                                  | 139,243 | 111,344 | 28,062  | 1,837  | 1931.....        | 61,823    | 60,895    | 621       | 307     |
| 1900.....                                  | 137,649 | 99,278  | 36,345  | 2,031  | 1932.....        | 68,423    | 66,665    | 1,662     | 196     |
| 1901.....                                  | 134,094 | 101,735 | 30,838  | 2,120  | 1933.....        | 13,136    | 12,035    | 896       | 205     |
| 1902.....                                  | 79,661  | 47,185  | 30,028  | 2,448  | 1934.....        | 25,952    |           | 22,092    | 3,860   |
| 1903.....                                  | 65,810  | 43,084  | 19,874  | 2,251  | 1935.....        | 38,581    |           | 31,237    | 7,344   |
| 1904.....                                  | 250,782 | 233,402 | 15,696  | 1,684  | Total.....       | 6,160,065 | 4,526,218 | 1,481,204 | 152,642 |
| 1905.....                                  | 58,269  | 49,638  | 6,332   | 2,299  |                  |           |           |           |         |

<sup>1</sup> Figures for periods are totals, not annual averages.

## No. 229.—MONEY IN CIRCULATION, BY KINDS

[All figures in millions and tenths of millions of dollars. For total circulation for earlier years see table 231]

| Date      | Total   | Gold<br>coin | Gold<br>certifi-<br>cates | Sil-<br>ver<br>dol-<br>lars | Sil-<br>ver<br>cer-<br>tifi-<br>cates | Treas-<br>ury<br>notes<br>of<br>1900 | Sub-<br>sidi-<br>ary<br>sil-<br>ver | Min-<br>or<br>coin | United<br>States<br>notes | Federal<br>reserve<br>notes | Fed-<br>eral<br>re-<br>serve<br>bank<br>notes | Nat-<br>ional<br>bank<br>notes |
|-----------|---------|--------------|---------------------------|-----------------------------|---------------------------------------|--------------------------------------|-------------------------------------|--------------------|---------------------------|-----------------------------|-----------------------------------------------|--------------------------------|
| June 30:  |         |              |                           |                             |                                       |                                      |                                     |                    |                           |                             |                                               |                                |
| 1919..... | 4,876.6 | 474.9        | 327.6                     | 78.0                        | 163.4                                 | 1.7                                  | 229.3                               | 81.8               | 274.1                     | 2,450.3                     | 155.0                                         | 639.5                          |
| 1920..... | 5,467.8 | 474.8        | 259.0                     | 76.7                        | 97.6                                  | 1.7                                  | 248.9                               | 91.0               | 278.1                     | 3,064.7                     | 185.4                                         | 689.6                          |
| 1921..... | 4,911.0 | 447.3        | 200.6                     | 65.9                        | 158.8                                 | 1.6                                  | 235.3                               | 91.4               | 259.2                     | 2,599.6                     | 129.9                                         | 721.4                          |
| 1922..... | 4,463.2 | 415.9        | 173.3                     | 58.0                        | 265.3                                 | 1.5                                  | 229.3                               | 89.2               | 292.3                     | 2,138.7                     | 71.9                                          | 727.7                          |
| 1923..... | 4,823.3 | 404.2        | 386.5                     | 57.3                        | 364.3                                 | 1.5                                  | 247.3                               | 93.9               | 302.7                     | 2,234.7                     | 20.0                                          | 711.1                          |
| 1924..... | 4,849.3 | 393.3        | 801.4                     | 54.0                        | 364.4                                 | 1.4                                  | 253.0                               | 97.0               | 297.8                     | 1,843.1                     | 10.1                                          | 738.8                          |
| 1925..... | 4,815.2 | 402.3        | 1,004.8                   | 54.3                        | 382.8                                 | 1.4                                  | 262.0                               | 100.3              | 282.6                     | 1,636.1                     | 8.9                                           | 681.7                          |
| 1926..... | 4,885.3 | 391.7        | 1,057.4                   | 51.6                        | 377.7                                 | 1.4                                  | 270.1                               | 104.2              | 294.9                     | 1,679.4                     | 5.5                                           | 651.5                          |
| 1927..... | 4,851.3 | 385.0        | 1,007.1                   | 48.7                        | 375.8                                 | 1.3                                  | 275.6                               | 108.1              | 292.2                     | 1,702.8                     | 4.6                                           | 650.1                          |
| 1928..... | 4,706.6 | 377.0        | 1,019.1                   | 46.2                        | 384.6                                 | 1.3                                  | 278.2                               | 111.1              | 298.4                     | 1,626.4                     | 4.0                                           | 650.2                          |
| 1929..... | 4,746.3 | 368.5        | 935.0                     | 43.7                        | 387.1                                 | 1.2                                  | 284.2                               | 115.2              | 262.2                     | 1,692.7                     | 3.6                                           | 652.8                          |
| 1930..... | 4,622.0 | 357.2        | 994.8                     | 38.6                        | 386.9                                 | 1.3                                  | 281.2                               | 117.4              | 288.4                     | 1,402.1                     | 3.2                                           | 650.8                          |
| 1931..... | 4,821.9 | 363.0        | 996.5                     | 34.3                        | 377.1                                 | 1.2                                  | 273.1                               | 117.4              | 296.4                     | 1,708.4                     | 2.9                                           | 648.4                          |
| 1932..... | 5,696.2 | 462.8        | 715.7                     | 30.1                        | 352.6                                 | 1.2                                  | 256.2                               | 113.6              | 286.1                     | 2,780.2                     | 2.7                                           | 700.9                          |
| 1933..... | 5,720.8 | 320.9        | 265.5                     | 28.0                        | 360.7                                 | 1.2                                  | 256.9                               | 112.5              | 268.8                     | 3,060.8                     | 125.8                                         | 918.6                          |
| 1934..... | 5,373.5 | (1)          | 149.7                     | 30.0                        | 401.6                                 | 1.2                                  | 280.4                               | 119.1              | 279.6                     | 3,068.4                     | 141.6                                         | 901.9                          |
| 1935..... | 5,567.1 | (1)          | 117.2                     | 32.3                        | 701.5                                 | 1.2                                  | 295.8                               | 125.1              | 285.4                     | 3,222.9                     | 81.5                                          | 704.3                          |
| Dec. 31:  |         |              |                           |                             |                                       |                                      |                                     |                    |                           |                             |                                               |                                |
| 1934..... | 5,535.7 | (1)          | 130.4                     | 32.0                        | 591.6                                 | 1.2                                  | 294.4                               | 125.1              | 264.8                     | 3,175.6                     | 100.8                                         | 819.9                          |
| 1935..... | 5,881.5 | (1)          | 108.6                     | 34.4                        | 828.1                                 | 1.2                                  | 312.2                               | 131.2              | 275.4                     | 3,666.6                     | 65.0                                          | 457.9                          |

<sup>1</sup> Under orders of the Secretary of the Treasury of Dec. 28, 1933, and Jan. 11 and 15, 1934, all gold coin domestically owned (with minor exceptions) was required to be delivered to the Treasurer of the United States, and under the Gold Reserve Act of 1934 (Jan. 30) withdrawn from circulation and formed into bars. Gold coin (\$287,000,000) shown on Treasury records as then outstanding was dropped from statements.

Source of tables 228 and 229: Treasury Department.



## No. 230.—STOCK OF MONEY IN THE UNITED STATES, BY KINDS

NOTE.—Amounts in thousands of dollars. Figures prior to 1890 were revised in 1928 from the best available data, but the older records, especially from 1860 through the early 70's, are not complete and figures for gold and silver those years are only estimates. In 1927, data were revised to include minor coins beginning 1900 (no satisfactory data available for earlier years) and gold coin and bullion held abroad for Federal Reserve banks and to exclude earmarked gold. Gold and silver certificates and Treasury notes of 1890 are not shown, since equivalent amounts held in trust against them are included in gold coin and bullion and silver dollars and bullion.

| June 30<br>(except as<br>indicated) | Total      | Gold coin<br>and<br>bullion <sup>1</sup> | Silver<br>dollars | Subsid-<br>iary<br>silver | United<br>States<br>notes | Fractional<br>paper<br>currency <sup>2</sup> | Other<br>United<br>States<br>currency | State-<br>bank<br>notes | National-<br>bank<br>notes | Per-<br>centage<br>of<br>gold to<br>total<br>money |
|-------------------------------------|------------|------------------------------------------|-------------------|---------------------------|---------------------------|----------------------------------------------|---------------------------------------|-------------------------|----------------------------|----------------------------------------------------|
| 1860.....                           | 442,102    | 214,000                                  | -----             | 21,000                    | -----                     | -----                                        | -----                                 | 207,102                 | -----                      | 48.41                                              |
| 1865.....                           | 1,180,197  | 189,000                                  | -----             | 9,500                     | 431,068                   | 25,008                                       | 236,567                               | 142,920                 | 146,138                    | 16.01                                              |
| 1870.....                           | 890,876    | 189,500                                  | -----             | 10,000                    | 358,000                   | 39,879                                       | 2,507                                 | 2,228                   | 290,767                    | 21.06                                              |
| 1875.....                           | 926,702    | 121,135                                  | 2,743             | 28,000                    | 375,772                   | 42,129                                       | 551                                   | 964                     | 354,408                    | 13.09                                              |
| 1880.....                           | 1,185,550  | 351,841                                  | 69,060            | 72,862                    | 346,681                   | -----                                        | -----                                 | -----                   | 344,605                    | 29.68                                              |
| 1885.....                           | 1,537,434  | 585,697                                  | 208,559           | 74,940                    | 346,681                   | -----                                        | -----                                 | -----                   | 318,377                    | 38.20                                              |
| 1887.....                           | 1,633,413  | 654,520                                  | 277,446           | 75,548                    | 346,681                   | -----                                        | -----                                 | -----                   | 279,218                    | 40.07                                              |
| 1888.....                           | 1,601,441  | 705,819                                  | 310,106           | 76,408                    | 346,681                   | -----                                        | -----                                 | -----                   | 252,368                    | 41.73                                              |
| 1889.....                           | 1,658,672  | 680,094                                  | 343,947           | 76,602                    | 346,681                   | -----                                        | -----                                 | -----                   | 211,379                    | 41.00                                              |
| 1890.....                           | 1,685,123  | 695,563                                  | 380,083           | 76,825                    | 346,681                   | -----                                        | -----                                 | -----                   | 185,971                    | 41.28                                              |
| 1891.....                           | 1,677,794  | 640,583                                  | 438,754           | 77,849                    | 346,681                   | -----                                        | -----                                 | -----                   | 167,928                    | 38.54                                              |
| 1892.....                           | 1,752,219  | 664,275                                  | 491,058           | 77,521                    | 346,681                   | -----                                        | -----                                 | -----                   | 172,684                    | 37.91                                              |
| 1893.....                           | 1,738,808  | 597,098                                  | 538,301           | 77,415                    | 346,681                   | -----                                        | -----                                 | -----                   | 178,714                    | 34.37                                              |
| 1894.....                           | 1,805,079  | 627,293                                  | 548,000           | 76,280                    | 346,681                   | -----                                        | -----                                 | -----                   | 206,855                    | 34.75                                              |
| 1895.....                           | 1,819,360  | 636,256                                  | 547,777           | 76,954                    | 346,681                   | -----                                        | -----                                 | -----                   | 211,691                    | 34.97                                              |
| 1896.....                           | 1,799,975  | 599,698                                  | 551,724           | 75,972                    | 346,681                   | -----                                        | -----                                 | -----                   | 226,001                    | 33.31                                              |
| 1897.....                           | 1,906,770  | 666,239                                  | 556,590           | 75,818                    | 346,681                   | -----                                        | -----                                 | -----                   | 231,442                    | 36.51                                              |
| 1898.....                           | 2,073,574  | 861,515                                  | 561,351           | 76,128                    | 346,681                   | -----                                        | -----                                 | -----                   | 227,900                    | 41.55                                              |
| 1899.....                           | 2,190,094  | 963,498                                  | 563,697           | 74,867                    | 346,681                   | -----                                        | -----                                 | -----                   | 241,351                    | 43.99                                              |
| 1900.....                           | 2,336,220  | 1,034,384                                | 556,131           | 82,864                    | 346,681                   | 26,520                                       | -----                                 | -----                   | 309,640                    | 43.71                                              |
| 1901.....                           | 2,511,472  | 1,124,639                                | 508,183           | 89,823                    | 346,681                   | 28,404                                       | -----                                 | -----                   | 353,742                    | 44.78                                              |
| 1902.....                           | 2,593,910  | 1,192,695                                | 570,135           | 97,194                    | 346,681                   | 30,643                                       | -----                                 | -----                   | 366,672                    | 45.98                                              |
| 1903.....                           | 2,717,646  | 1,248,682                                | 673,043           | 102,035                   | 346,681                   | 32,935                                       | -----                                 | -----                   | 413,671                    | 45.05                                              |
| 1904.....                           | 2,838,023  | 1,327,656                                | 672,870           | 107,062                   | 346,681                   | 34,519                                       | -----                                 | -----                   | 469,235                    | 46.78                                              |
| 1905.....                           | 2,919,494  | 1,357,659                                | 698,229           | 114,824                   | 346,681                   | 36,384                                       | -----                                 | -----                   | 495,720                    | 46.50                                              |
| 1906.....                           | 3,106,380  | 1,475,707                                | 698,252           | 118,225                   | 346,681                   | 39,403                                       | -----                                 | -----                   | 561,122                    | 47.45                                              |
| 1907.....                           | 3,158,111  | 1,456,339                                | 698,250           | 130,452                   | 346,681                   | 42,550                                       | -----                                 | -----                   | 603,789                    | 46.43                                              |
| 1908.....                           | 3,423,088  | 1,618,133                                | 668,280           | 147,356                   | 346,681                   | 44,304                                       | -----                                 | -----                   | 698,334                    | 47.27                                              |
| 1909.....                           | 3,451,521  | 1,642,042                                | 668,277           | 159,409                   | 346,681                   | 45,193                                       | -----                                 | -----                   | 689,920                    | 47.57                                              |
| 1910.....                           | 3,466,856  | 1,630,043                                | 568,278           | 155,159                   | 346,681                   | 47,264                                       | -----                                 | -----                   | 713,431                    | 47.19                                              |
| 1911.....                           | 3,606,989  | 1,753,197                                | 568,279           | 159,607                   | 346,681                   | 51,028                                       | -----                                 | -----                   | 728,195                    | 48.61                                              |
| 1912.....                           | 3,701,965  | 1,818,188                                | 568,278           | 170,588                   | 346,681                   | 53,094                                       | -----                                 | -----                   | 745,135                    | 49.11                                              |
| 1913.....                           | 3,777,021  | 1,870,732                                | 568,273           | 175,196                   | 346,681                   | 56,551                                       | -----                                 | -----                   | 759,158                    | 49.53                                              |
| 1914.....                           | 3,797,825  | 1,890,657                                | 568,272           | 182,007                   | 346,681                   | 59,636                                       | -----                                 | -----                   | 750,672                    | 49.78                                              |
| 1915.....                           | 4,050,783  | 1,985,539                                | 568,272           | 185,430                   | 346,681                   | 61,327                                       | 84,261                                | -----                   | 819,274                    | 49.02                                              |
| 1916.....                           | 4,541,730  | 2,444,636                                | 568,271           | 188,890                   | 346,681                   | 63,909                                       | 175,168                               | 9,000                   | 744,175                    | 53.89                                              |
| 1917.....                           | 5,678,774  | 3,220,242                                | 568,270           | 198,275                   | 346,681                   | 69,688                                       | 547,408                               | 12,790                  | 715,420                    | 56.71                                              |
| 1918.....                           | 6,906,237  | 3,162,808                                | 490,516           | 231,857                   | 346,681                   | 78,146                                       | 1,847,580                             | 15,444                  | 724,205                    | 45.80                                              |
| 1919.....                           | 7,688,413  | 3,113,306                                | 308,146           | 242,870                   | 346,681                   | 82,909                                       | 2,687,557                             | 187,667                 | 719,277                    | 40.49                                              |
| 1920.....                           | 8,158,496  | 2,866,482                                | 268,857           | 258,855                   | 346,681                   | 92,470                                       | 3,405,877                             | 201,226                 | 719,038                    | 35.12                                              |
| 1921.....                           | 8,174,528  | 3,274,730                                | 288,788           | 271,314                   | 346,681                   | 98,522                                       | 3,000,430                             | 150,772                 | 743,290                    | 40.06                                              |
| 1922.....                           | 8,276,070  | 3,784,652                                | 381,174           | 271,211                   | 346,681                   | 98,593                                       | 2,555,062                             | 80,495                  | 758,202                    | 45.73                                              |
| 1923.....                           | 8,702,788  | 4,049,554                                | 491,887           | 269,189                   | 346,681                   | 99,056                                       | 2,676,902                             | 22,083                  | 747,440                    | 46.53                                              |
| 1924.....                           | 8,846,542  | 4,488,391                                | 503,755           | 277,614                   | 346,681                   | 102,445                                      | 2,339,048                             | 10,596                  | 775,012                    | 50.74                                              |
| 1925.....                           | 8,299,382  | 4,360,882                                | 522,081           | 283,472                   | 346,681                   | 104,004                                      | 1,942,240                             | 7,176                   | 733,368                    | 52.54                                              |
| 1926.....                           | 8,428,971  | 4,447,397                                | 533,401           | 288,923                   | 346,681                   | 108,891                                      | 1,995,206                             | 5,713                   | 702,669                    | 52.76                                              |
| 1927.....                           | 8,667,282  | 4,587,298                                | 537,044           | 295,590                   | 346,681                   | 113,295                                      | 2,077,473                             | 4,854                   | 704,146                    | 52.93                                              |
| 1928.....                           | 8,118,091  | 4,109,163                                | 539,962           | 299,010                   | 346,681                   | 116,689                                      | 2,002,811                             | 4,155                   | 699,621                    | 50.62                                              |
| 1929.....                           | 8,638,796  | 4,324,351                                | 539,961           | 304,187                   | 346,681                   | 120,640                                      | 2,194,970                             | 3,711                   | 704,294                    | 50.04                                              |
| 1930.....                           | 8,306,564  | 4,354,866                                | 539,960           | 310,978                   | 346,681                   | 126,001                                      | 1,746,501                             | 3,250                   | 698,317                    | 54.59                                              |
| 1931.....                           | 9,079,624  | 4,956,921                                | 539,958           | 308,619                   | 346,681                   | 126,887                                      | 2,101,578                             | 2,974                   | 697,004                    | 54.58                                              |
| 1932.....                           | 9,004,505  | 3,918,996                                | 540,000           | 304,883                   | 346,681                   | 126,887                                      | 3,028,397                             | 2,772                   | 736,674                    | 43.52                                              |
| 1933.....                           | 10,078,417 | 4,317,854                                | 540,007           | 298,634                   | 346,681                   | 126,746                                      | 3,336,866                             | 141,326                 | 970,601                    | 42.84                                              |
| 1934.....                           | 13,634,381 | 7,856,181                                | 541,667           | 295,802                   | 346,681                   | 127,711                                      | 3,300,988                             | 160,996                 | 954,695                    | 37.62                                              |
| 1935.....                           | 9,113,035  | 9,113,035                                | 858,951           | 312,416                   | 346,681                   | 133,040                                      | 3,492,854                             | 84,354                  | 769,096                    | 60.32                                              |
| Dec. 31:                            |            |                                          |                   |                           |                           |                                              |                                       |                         |                            |                                                    |
| 1934.....                           | 14,366,814 | 8,237,967                                | 755,161           | 309,432                   | 346,681                   | 130,508                                      | 3,520,366                             | 118,762                 | 887,936                    | 57.58                                              |
| 1935.....                           | 16,648,062 | 10,126,175                               | 1,123,943         | 327,747                   | 346,681                   | 136,140                                      | 4,047,053                             | 68,177                  | 473,147                    | 60.82                                              |

<sup>1</sup> Figures beginning 1934 include only gold held by the Treasury; prior to 1934, they also include gold held by the Federal Reserve banks and Federal Reserve agents and an estimate of gold coin in circulation. By a proclamation of the President dated Jan. 31, 1934, the weight of the gold dollar was reduced from 25.8 to 15.5 grains of gold, 0.9 fine. The value of gold is therefore based on \$35 per fine ounce beginning June 1934; theretofore, it is based on \$20.67 per fine ounce.

<sup>2</sup> There has been no fractional currency in actual circulation to any extent since 1875.

<sup>3</sup> Silver bullion in Treasury.

<sup>4</sup> Includes silver bullion as follows: June 30, 1934, \$1,560,000; Dec. 31, 1934, \$211,620,000; June 30, 1935, \$313,309,000; Dec. 31, 1935, \$576,862,000.

Source: Treasury Department.

# No. 231.—MONEY IN CIRCULATION, HELD IN TREASURY AND IN FEDERAL RESERVE SYSTEM, AND TOTAL STOCK

NOTE.—All figures except per capita in thousands of dollars. In conformity with revisions in the form of circulation statement in 1922 and 1927, figures for 1915 on have been compiled to include in the holdings of Federal Reserve banks and agents, and, hence, in stock of money, gold bullion and foreign coin held by them and gold coin and bullion held abroad for the account of Federal Reserve banks, and also, to include in the holdings of Federal Reserve banks and agents, and, hence, exclude from circulation, all forms of money held by them whether as Reserve against Federal Reserve notes or otherwise. See also headnote, table 230. Per capita figures based on population estimates of the Treasury Department prior to 1930; for 1930 to 1935, they are based on revised population estimates of the Bureau of the Census

| June 30<br>(except as<br>indicated) | Stock of<br>money in<br>the United<br>States <sup>1</sup> | Money held in the Treasury |                                                                             |                                                              |                                                          |                       | Money outside of the<br>Treasury <sup>1</sup>           |                     |                                 |
|-------------------------------------|-----------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------|-----------------------|---------------------------------------------------------|---------------------|---------------------------------|
|                                     |                                                           | Total                      | In trust<br>against<br>gold and<br>silver<br>certifi-<br>cates <sup>2</sup> | Reserve<br>against<br>United<br>States<br>notes <sup>2</sup> | Held for<br>Federal<br>Reserve<br>banks<br>and<br>agents | All<br>other<br>money | Held by<br>Federal<br>Reserve<br>banks<br>and<br>agents | In circulation      |                                 |
|                                     |                                                           |                            |                                                                             |                                                              |                                                          |                       |                                                         | Amount <sup>3</sup> | Per<br>capita<br>(dol-<br>lars) |
| 1800                                | 28,000                                                    | 1,500                      |                                                                             |                                                              |                                                          | 1,500                 |                                                         | 26,500              | 4.99                            |
| 1810                                | 58,000                                                    | 3,000                      |                                                                             |                                                              |                                                          | 3,000                 |                                                         | 55,000              | 7.60                            |
| 1820                                | 69,100                                                    | 2,000                      |                                                                             |                                                              |                                                          | 2,000                 |                                                         | 67,100              | 6.96                            |
| 1830                                | 93,100                                                    | 5,756                      |                                                                             |                                                              |                                                          | 5,756                 |                                                         | 87,344              | 6.78                            |
| 1840                                | 189,969                                                   | 3,664                      |                                                                             |                                                              |                                                          | 3,664                 |                                                         | 186,305             | 10.91                           |
| 1850                                | 285,367                                                   | 6,605                      |                                                                             |                                                              |                                                          | 6,605                 |                                                         | 278,762             | 12.02                           |
| 1860                                | 442,102                                                   | 6,895                      |                                                                             |                                                              |                                                          | 6,895                 |                                                         | 435,207             | 13.85                           |
| 1865                                | 1,180,197                                                 | 96,657                     |                                                                             |                                                              |                                                          | 96,657                |                                                         | 1,083,541           | 31.18                           |
| 1870                                | 899,876                                                   | 156,994                    | 32,085                                                                      |                                                              |                                                          | 124,910               |                                                         | 774,866             | 20.10                           |
| 1875                                | 925,702                                                   | 109,461                    | 17,549                                                                      |                                                              |                                                          | 91,012                |                                                         | 833,789             | 18.97                           |
| 1880                                | 1,185,550                                                 | 225,922                    | 13,753                                                                      | 100,000                                                      |                                                          | 112,168               |                                                         | 973,882             | 19.41                           |
| 1885                                | 1,637,434                                                 | 478,126                    | 228,261                                                                     | 100,000                                                      |                                                          | 144,865               |                                                         | 1,292,569           | 23.02                           |
| 1890                                | 1,085,123                                                 | 684,259                    | 428,387                                                                     | 100,000                                                      |                                                          | 155,872               |                                                         | 1,429,261           | 22.82                           |
| 1895                                | 1,810,360                                                 | 701,330                    | 483,947                                                                     | 100,000                                                      |                                                          | 117,391               |                                                         | 1,601,968           | 23.24                           |
| 1897                                | 1,006,770                                                 | 744,391                    | 478,604                                                                     | 100,000                                                      |                                                          | 165,787               |                                                         | 1,640,983           | 22.92                           |
| 1898                                | 2,073,574                                                 | 759,959                    | 524,245                                                                     | 100,000                                                      |                                                          | 135,715               |                                                         | 1,837,860           | 25.19                           |
| 1899                                | 2,190,094                                                 | 813,376                    | 527,354                                                                     | 100,000                                                      |                                                          | 186,022               |                                                         | 1,904,072           | 25.62                           |
| 1900                                | 2,305,220                                                 | 969,492                    | 684,503                                                                     | 150,000                                                      |                                                          | 134,990               |                                                         | 2,081,231           | 27.28                           |
| 1901                                | 2,511,472                                                 | 1,032,479                  | 724,204                                                                     | 150,000                                                      |                                                          | 158,274               |                                                         | 2,203,198           | 28.34                           |
| 1902                                | 2,593,910                                                 | 1,097,555                  | 782,759                                                                     | 150,000                                                      |                                                          | 164,796               |                                                         | 2,279,114           | 28.81                           |
| 1903                                | 2,717,646                                                 | 1,168,932                  | 851,068                                                                     | 150,000                                                      |                                                          | 167,914               |                                                         | 2,399,732           | 29.82                           |
| 1904                                | 2,838,023                                                 | 1,224,813                  | 939,696                                                                     | 150,000                                                      |                                                          | 135,117               |                                                         | 2,652,906           | 31.18                           |
| 1905                                | 2,919,494                                                 | 1,245,501                  | 949,347                                                                     | 150,000                                                      |                                                          | 146,153               |                                                         | 2,623,340           | 31.51                           |
| 1906                                | 3,109,380                                                 | 1,330,109                  | 995,419                                                                     | 150,000                                                      |                                                          | 184,690               |                                                         | 2,774,690           | 32.77                           |
| 1907                                | 3,158,111                                                 | 1,420,507                  | 1,076,259                                                                   | 150,000                                                      |                                                          | 194,247               |                                                         | 2,813,863           | 32.69                           |
| 1908                                | 3,423,068                                                 | 1,597,132                  | 1,253,219                                                                   | 150,000                                                      |                                                          | 193,913               |                                                         | 3,079,155           | 35.19                           |
| 1909                                | 3,451,621                                                 | 1,599,621                  | 1,296,926                                                                   | 150,000                                                      |                                                          | 152,695               |                                                         | 3,148,826           | 35.41                           |
| 1910                                | 3,466,856                                                 | 1,603,186                  | 1,285,014                                                                   | 150,000                                                      |                                                          | 168,172               |                                                         | 3,148,684           | 34.84                           |
| 1911                                | 3,606,980                                                 | 1,731,084                  | 1,367,149                                                                   | 150,000                                                      |                                                          | 193,936               |                                                         | 3,263,053           | 34.72                           |
| 1912                                | 3,701,965                                                 | 1,782,320                  | 1,415,576                                                                   | 150,000                                                      |                                                          | 216,744               |                                                         | 3,285,220           | 34.87                           |
| 1913                                | 3,777,021                                                 | 1,834,112                  | 1,475,783                                                                   | 150,000                                                      |                                                          | 208,329               |                                                         | 3,418,692           | 35.12                           |
| 1914                                | 3,797,825                                                 | 1,845,507                  | 1,507,179                                                                   | 150,000                                                      |                                                          | 188,391               |                                                         | 3,469,434           | 34.93                           |
| 1915                                | 4,050,783                                                 | 1,997,665                  | 1,619,429                                                                   | 152,977                                                      |                                                          | 195,259               | 382,965                                                 | 3,519,582           | 32.96                           |
| 1916                                | 4,541,730                                                 | 2,356,586                  | 2,057,409                                                                   | 152,979                                                      |                                                          | 146,147               | 593,345                                                 | 3,649,258           | 35.63                           |
| 1917                                | 5,678,774                                                 | 2,850,969                  | 2,063,391                                                                   | 152,979                                                      | 526,295                                                  | 116,731               | 816,365                                                 | 4,060,404           | 39.05                           |
| 1918                                | 6,906,237                                                 | 2,976,251                  | 1,407,694                                                                   | 152,979                                                      | 1,205,082                                                | 210,496               | 855,984                                                 | 4,481,697           | 42.33                           |
| 1919                                | 7,688,413                                                 | 2,907,812                  | 906,673                                                                     | 152,979                                                      | 1,416,086                                                | 432,074               | 810,636                                                 | 4,876,638           | 45.95                           |
| 1920                                | 8,158,496                                                 | 2,379,664                  | 704,638                                                                     | 152,979                                                      | 1,184,276                                                | 337,771               | 1,015,881                                               | 5,467,689           | 51.38                           |
| 1921                                | 8,174,528                                                 | 2,921,089                  | 919,643                                                                     | 152,979                                                      | 1,537,857                                                | 310,610               | 1,262,089                                               | 4,910,992           | 46.29                           |
| 1922                                | 8,276,070                                                 | 3,515,583                  | 1,000,578                                                                   | 152,979                                                      | 2,108,887                                                | 253,139               | 1,297,893                                               | 4,483,172           | 40.61                           |
| 1923                                | 8,702,788                                                 | 3,821,846                  | 1,150,168                                                                   | 152,979                                                      | 2,285,170                                                | 233,629               | 1,207,836                                               | 4,823,275           | 43.18                           |
| 1924                                | 8,846,542                                                 | 4,248,438                  | 1,628,139                                                                   | 152,979                                                      | 2,260,891                                                | 206,429               | 1,376,935                                               | 4,849,307           | 42.64                           |
| 1925                                | 8,299,382                                                 | 4,176,381                  | 2,069,799                                                                   | 153,621                                                      | 1,762,744                                                | 210,217               | 1,367,591                                               | 4,815,208           | 41.73                           |
| 1926                                | 8,423,971                                                 | 4,210,358                  | 2,139,770                                                                   | 154,189                                                      | 1,717,348                                                | 199,050               | 1,473,118                                               | 4,885,266           | 41.71                           |
| 1927                                | 8,667,282                                                 | 4,159,056                  | 2,096,205                                                                   | 155,421                                                      | 1,712,003                                                | 195,427               | 1,753,110                                               | 4,851,321           | 40.90                           |
| 1928                                | 8,118,091                                                 | 3,725,060                  | 1,986,781                                                                   | 156,039                                                      | 1,987,650                                                | 195,199               | 1,682,576                                               | 4,796,626           | 39.97                           |
| 1929                                | 8,538,799                                                 | 3,739,888                  | 1,864,373                                                                   | 156,039                                                      | 1,562,426                                                | 217,049               | 1,856,988                                               | 4,746,267           | 39.03                           |
| 1930                                | 8,306,564                                                 | 4,021,997                  | 1,978,448                                                                   | 156,039                                                      | 1,796,239                                                | 91,211                | 1,741,087                                               | 4,521,958           | 36.74                           |
| 1931                                | 9,079,624                                                 | 4,227,735                  | 2,196,103                                                                   | 156,039                                                      | 1,776,890                                                | 98,902                | 2,226,059                                               | 4,821,933           | 38.85                           |
| 1932                                | 9,004,505                                                 | 3,493,122                  | 1,679,137                                                                   | 156,039                                                      | 1,235,737                                                | 122,209               | 1,795,849                                               | 5,695,171           | 45.57                           |
| 1933                                | 10,078,417                                                | 3,797,992                  | 1,711,721                                                                   | 156,039                                                      | 1,771,486                                                | 158,446               | 2,271,682                                               | 7,230,764           | 45.40                           |
| 1934                                | 13,634,381                                                | 8,408,392                  | 5,453,713                                                                   | 156,039                                                      | \$4,699,056                                              | 2,768,840             | 1,305,985                                               | \$5,773,470         | 42.44                           |
| 1935                                | 15,113,085                                                | 9,997,362                  | 7,131,431                                                                   | 156,039                                                      | \$6,668,590                                              | 2,709,891             | 1,147,422                                               | 6,567,093           | 42.66                           |
| Dec. 31:                            |                                                           |                            |                                                                             |                                                              |                                                          |                       |                                                         |                     |                                 |
| 1934                                | 14,306,814                                                | 9,008,426                  | 5,977,236                                                                   | 156,039                                                      | \$4,543,018                                              | 2,875,151             | 1,396,935                                               | \$5,535,872         | 43.66                           |
| 1935                                | 16,648,082                                                | 11,242,421                 | 8,676,667                                                                   | 156,039                                                      | \$7,665,516                                              | 2,409,724             | 646,457                                                 | \$5,881,526         | 45.96                           |

<sup>1</sup> Gold and silver certificates and Treasury notes of 1890 included in money outside the Treasury are deducted before combining the total of such money with money in the Treasury, since the gold and silver held in Treasury as security against these currencies is included. See also note 1, table 230.

<sup>2</sup> Both of these items include also reserve against Treasury notes of 1890.

<sup>3</sup> See note 1, table 229.

<sup>4</sup> Includes total stock of silver dollars and subsidiary silver.

<sup>5</sup> Gold certificates. This amount is not included in the total since the gold held as security against the gold certificates is included in the column, "In trust against gold and silver certificates."

Source: Treasury Department.

**No. 232.—FEDERAL RESERVE BANKS: PRINCIPAL ITEMS OF ASSETS**  
 [All figures in thousands of dollars]

| Bank and date         | Total assets | Reserves  |           | Reserve bank credit outstanding |                                         |                  |                             |                          |
|-----------------------|--------------|-----------|-----------|---------------------------------|-----------------------------------------|------------------|-----------------------------|--------------------------|
|                       |              | Total     | Gold      | Total <sup>1</sup>              | Total bills and securities <sup>2</sup> | Bills discounted | Bills bought in open market | United States securities |
| <b>All banks:</b>     |              |           |           |                                 |                                         |                  |                             |                          |
| Dec. 31, 1915.....    | \$906,840    | 555,431   | 542,710   | 100,751                         | 84,179                                  | 32,300           | 23,723                      | 15,856                   |
| Dec. 31, 1920.....    | 6,254,105    | 2,250,306 | 2,059,485 | 3,354,634                       | 3,234,828                               | 2,687,393        | 260,406                     | 287,029                  |
| Dec. 31, 1925.....    | 5,106,040    | 2,824,371 | 2,701,816 | 1,460,172                       | 1,395,122                               | 642,993          | 374,350                     | 374,668                  |
| Dec. 31, 1926.....    | 5,150,081    | 2,947,853 | 2,818,539 | 1,380,983                       | 1,335,056                               | 636,628          | 380,986                     | 314,820                  |
| Dec. 31, 1927.....    | 5,345,586    | 2,807,151 | 2,733,187 | 1,654,541                       | 1,590,938                               | 581,503          | 392,039                     | 616,516                  |
| Dec. 31, 1928.....    | 5,351,543    | 2,708,840 | 2,584,232 | 1,808,679                       | 1,733,485                               | 1,056,466        | 489,070                     | 225,064                  |
| Dec. 31, 1929.....    | 5,458,445    | 3,010,928 | 2,857,051 | 1,581,902                       | 1,547,617                               | 632,421          | 362,209                     | 510,587                  |
| Dec. 31, 1930.....    | 5,200,648    | 3,081,617 | 2,941,219 | 1,373,332                       | 1,351,852                               | 251,308          | 363,844                     | 726,467                  |
| Dec. 31, 1931.....    | 5,072,325    | 3,157,662 | 2,968,892 | 1,853,402                       | 1,825,088                               | 638,293          | 338,687                     | 816,960                  |
| Dec. 31, 1932.....    | 6,114,988    | 3,331,200 | 3,150,671 | 2,144,876                       | 2,128,015                               | 234,032          | 33,123                      | 1,866,142                |
| Dec. 31, 1933.....    | 7,040,688    | 3,793,610 | 3,568,976 | 2,688,076                       | 2,000,998                               | 97,590           | 133,425                     | 2,437,490                |
| Dec. 31, 1934.....    | 8,442,145    | 5,400,984 | 5,143,407 | 2,462,917                       | 2,457,232                               | 7,062            | 5,613                       | 2,430,256                |
| June 30, 1935.....    | 9,250,141    | 6,426,049 | 6,208,070 | 2,480,023                       | 2,470,842                               | 5,769            | 4,689                       | 2,432,746                |
| Dec. 31, 1935.....    | 11,025,800   | 7,835,351 | 7,570,801 | 2,485,631                       | 2,472,738                               | 4,672            | 4,666                       | 2,430,731                |
| <b>Boston:</b>        |              |           |           |                                 |                                         |                  |                             |                          |
| Dec. 31, 1932.....    | 393,203      | 227,045   | 211,884   | 111,014                         | 110,729                                 | 11,813           | 2,248                       | 96,668                   |
| Dec. 31, 1933.....    | 501,290      | 254,025   | 235,981   | 195,555                         | 191,202                                 | 4,860            | 25,671                      | 167,671                  |
| Dec. 31, 1934.....    | 611,204      | 304,852   | 303,954   | 181,415                         | 160,905                                 | 1,055            | 404                         | 157,671                  |
| Dec. 31, 1935.....    | 784,821      | 552,536   | 519,817   | 163,059                         | 161,323                                 | 368              | 343                         | 167,671                  |
| <b>New York:</b>      |              |           |           |                                 |                                         |                  |                             |                          |
| Dec. 31, 1932.....    | 2,120,019    | 1,068,473 | 1,016,088 | 804,373                         | 799,642                                 | 53,601           | 9,780                       | 733,354                  |
| Dec. 31, 1933.....    | 2,059,628    | 958,500   | 935,402   | 905,594                         | 900,007                                 | 40,661           | 22,255                      | 536,765                  |
| Dec. 31, 1934.....    | 2,866,414    | 1,894,930 | 1,838,176 | 790,936                         | 784,841                                 | 4,228            | 1,982                       | 777,818                  |
| Dec. 31, 1935.....    | 4,342,062    | 3,377,146 | 3,222,786 | 760,558                         | 754,932                                 | 3,030            | 1,738                       | 741,858                  |
| <b>Philadelphia:</b>  |              |           |           |                                 |                                         |                  |                             |                          |
| Dec. 31, 1932.....    | 437,195      | 205,377   | 185,171   | 192,751                         | 190,923                                 | 47,600           | 3,054                       | 139,260                  |
| Dec. 31, 1933.....    | 477,469      | 228,571   | 197,620   | 203,070                         | 200,851                                 | 25,363           | 7,568                       | 107,120                  |
| Dec. 31, 1934.....    | 531,043      | 309,305   | 278,044   | 173,198                         | 171,936                                 | 978              | 584                         | 107,120                  |
| Dec. 31, 1935.....    | 641,360      | 405,476   | 371,398   | 185,454                         | 184,760                                 | 378              | 484                         | 177,120                  |
| <b>Cleveland:</b>     |              |           |           |                                 |                                         |                  |                             |                          |
| Dec. 31, 1932.....    | 512,146      | 260,071   | 248,902   | 206,285                         | 204,786                                 | 20,078           | 2,978                       | 181,632                  |
| Dec. 31, 1933.....    | 589,371      | 306,217   | 290,574   | 236,742                         | 232,087                                 | 6,870            | 12,189                      | 213,025                  |
| Dec. 31, 1934.....    | 664,272      | 398,726   | 385,411   | 214,742                         | 214,800                                 | 315              | 528                         | 213,025                  |
| Dec. 31, 1935.....    | 819,926      | 556,128   | 519,902   | 215,168                         | 220,296                                 | 43               | 444                         | 213,025                  |
| <b>Richmond:</b>      |              |           |           |                                 |                                         |                  |                             |                          |
| Dec. 31, 1932.....    | 202,301      | 97,452    | 90,319    | 66,369                          | 65,208                                  | 16,209           | 1,867                       | 47,132                   |
| Dec. 31, 1933.....    | 312,199      | 153,482   | 171,406   | 85,907                          | 87,022                                  | 4,533            | 3,926                       | 75,663                   |
| Dec. 31, 1934.....    | 362,094      | 200,365   | 187,136   | 106,442                         | 106,451                                 | 180              | 209                         | 103,563                  |
| Dec. 31, 1935.....    | 423,611      | 246,886   | 233,237   | 124,773                         | 121,409                                 | 58               | 176                         | 116,716                  |
| <b>Atlanta:</b>       |              |           |           |                                 |                                         |                  |                             |                          |
| Dec. 31, 1932.....    | 177,671      | 87,227    | 82,167    | 66,564                          | 66,292                                  | 14,949           | 3,439                       | 47,404                   |
| Dec. 31, 1933.....    | 233,383      | 130,092   | 118,217   | 81,158                          | 80,361                                  | 4,184            | 4,279                       | 71,898                   |
| Dec. 31, 1934.....    | 255,822      | 139,177   | 125,328   | 96,317                          | 95,484                                  | 87               | 803                         | 94,277                   |
| Dec. 31, 1935.....    | 312,248      | 188,224   | 176,167   | 97,511                          | 96,340                                  | 38               | 165                         | 94,209                   |
| <b>Chicago:</b>       |              |           |           |                                 |                                         |                  |                             |                          |
| Dec. 31, 1932.....    | 1,207,317    | 851,639   | 823,728   | 283,878                         | 281,143                                 | 14,960           | 3,964                       | 262,210                  |
| Dec. 31, 1933.....    | 1,439,779    | 914,286   | 880,970   | 454,763                         | 455,487                                 | 4,063            | 14,001                      | 437,343                  |
| Dec. 31, 1934.....    | 1,559,228    | 1,080,511 | 1,027,127 | 429,339                         | 429,973                                 | 2                | 707                         | 428,343                  |
| Dec. 31, 1935.....    | 1,821,919    | 1,373,126 | 1,342,783 | 358,982                         | 358,160                                 | 41               | 577                         | 355,689                  |
| <b>St. Louis:</b>     |              |           |           |                                 |                                         |                  |                             |                          |
| Dec. 31, 1932.....    | 200,114      | 101,113   | 91,207    | 73,028                          | 73,467                                  | 6,338            | 973                         | 66,156                   |
| Dec. 31, 1933.....    | 297,566      | 174,337   | 163,258   | 97,578                          | 99,308                                  | 1,415            | 4,693                       | 93,200                   |
| Dec. 31, 1934.....    | 323,203      | 206,277   | 194,350   | 93,214                          | 93,738                                  | 8                | 116                         | 98,200                   |
| Dec. 31, 1935.....    | 383,051      | 244,020   | 226,920   | 107,535                         | 108,697                                 | 18               | 87                          | 108,200                  |
| <b>Minneapolis:</b>   |              |           |           |                                 |                                         |                  |                             |                          |
| Dec. 31, 1932.....    | 141,681      | 58,994    | 53,891    | 65,567                          | 65,477                                  | 9,604            | 612                         | 54,850                   |
| Dec. 31, 1933.....    | 192,097      | 106,256   | 97,934    | 70,331                          | 70,800                                  | 1,872            | 3,180                       | 65,668                   |
| Dec. 31, 1934.....    | 234,366      | 151,469   | 140,128   | 67,282                          | 67,422                                  | -----            | 81                          | 85,568                   |
| Dec. 31, 1935.....    | 242,053      | 145,513   | 137,284   | 77,821                          | 77,260                                  | 42               | 61                          | 75,568                   |
| <b>Kansas City:</b>   |              |           |           |                                 |                                         |                  |                             |                          |
| Dec. 31, 1932.....    | 180,234      | 93,820    | 87,058    | 71,410                          | 69,619                                  | 11,512           | 865                         | 57,252                   |
| Dec. 31, 1933.....    | 275,896      | 156,097   | 146,700   | 89,737                          | 89,428                                  | 1,421            | 4,666                       | 83,441                   |
| Dec. 31, 1934.....    | 322,060      | 169,352   | 187,921   | 91,357                          | 92,558                                  | 126              | 155                         | 91,844                   |
| Dec. 31, 1935.....    | 358,126      | 209,022   | 190,022   | 106,677                         | 109,418                                 | 619              | 128                         | 107,344                  |
| <b>Dallas:</b>        |              |           |           |                                 |                                         |                  |                             |                          |
| Dec. 31, 1932.....    | 113,105      | 41,741    | 33,387    | 51,845                          | 51,740                                  | 5,202            | 826                         | 45,721                   |
| Dec. 31, 1933.....    | 181,646      | 185,354   | 73,557    | 76,012                          | 76,606                                  | 883              | 9,248                       | 68,475                   |
| Dec. 31, 1934.....    | 208,209      | 115,088   | 108,349   | 70,440                          | 72,686                                  | 12               | 154                         | 71,475                   |
| Dec. 31, 1935.....    | 239,620      | 136,210   | 129,551   | 78,823                          | 80,893                                  | 12               | 126                         | 78,975                   |
| <b>San Francisco:</b> |              |           |           |                                 |                                         |                  |                             |                          |
| Dec. 31, 1932.....    | 420,052      | 237,418   | 228,279   | 150,617                         | 149,030                                 | 23,059           | 2,527                       | 123,444                  |
| Dec. 31, 1933.....    | 480,594      | 286,387   | 249,462   | 188,509                         | 186,230                                 | 1,436            | 18,460                      | 196,331                  |
| Dec. 31, 1934.....    | 526,230      | 330,763   | 313,884   | 168,035                         | 167,441                                 | 132              | 390                         | 166,331                  |
| Dec. 31, 1935.....    | 657,003      | 420,166   | 403,935   | 203,580                         | 200,795                                 | 25               | 328                         | 199,831                  |

<sup>1</sup> Includes in addition to total bills and securities, amounts due from foreign banks and Reserve bank float.

<sup>2</sup> Includes United States and other securities and, beginning December 1934, industrial advances.

<sup>3</sup> Revised.

Source. Board of Governors of the Federal Reserve System.

## No. 233.—FEDERAL RESERVE BANKS: PRINCIPAL ITEMS OF LIABILITIES

[All figures, except reserve percentages, in thousands of dollars]

| Bank and date         | Capital | Surplus <sup>1</sup> | Deposit liability |                  | Federal Reserve note circulation | Federal Reserve bank notes <sup>2</sup> | Reserve percentage |
|-----------------------|---------|----------------------|-------------------|------------------|----------------------------------|-----------------------------------------|--------------------|
|                       |         |                      | Total             | Members' reserve |                                  |                                         |                    |
| <b>All Banks:</b>     |         |                      |                   |                  |                                  |                                         |                    |
| Dec. 31, 1915.....    | 54,914  |                      | \$ 401,326        | \$ 401,175       | 188,817                          |                                         | 94.1               |
| Dec. 31, 1920.....    | 99,821  | 202,086              | 1,861,498         | 1,780,079        | 3,336,281                        | 216,641                                 | 43.3               |
| Dec. 31, 1925.....    | 117,237 | 220,310              | 2,257,388         | 2,212,068        | 1,838,164                        |                                         | 69.0               |
| Dec. 31, 1926.....    | 124,814 | 228,775              | 2,275,979         | 2,194,094        | 1,850,827                        |                                         | 71.4               |
| Dec. 31, 1927.....    | 132,481 | 233,319              | 2,530,040         | 2,486,777        | 1,789,867                        |                                         | 66.4               |
| Dec. 31, 1928.....    | 146,986 | 254,398              | 2,439,686         | 2,388,904        | 1,838,194                        |                                         | 63.3               |
| Dec. 31, 1929.....    | 170,973 | 276,986              | 2,413,075         | 2,355,263        | 1,909,723                        |                                         | 69.0               |
| Dec. 31, 1930.....    | 169,640 | 274,630              | 2,517,133         | 2,470,583        | 1,638,538                        |                                         | 73.7               |
| Dec. 31, 1931.....    | 160,568 | 259,421              | 2,124,874         | 1,961,410        | 1,624,471                        |                                         | 68.5               |
| Dec. 31, 1932.....    | 161,292 | 278,599              | 2,560,985         | 2,509,490        | 2,785,608                        |                                         | 62.9               |
| Dec. 31, 1933.....    | 144,693 | 277,680              | 2,964,550         | 2,728,442        | 3,079,543                        | 208,997                                 | 63.8               |
| Dec. 31, 1934.....    | 146,726 | 152,952              | 4,405,350         | 4,086,948        | 3,221,107                        | 26,390                                  | 70.8               |
| June 30, 1935.....    | 149,575 | 165,763              | 5,405,995         | 4,978,770        | 3,257,840                        |                                         | 74.2               |
| Dec. 31, 1935.....    | 130,512 | 160,736              | 6,385,809         | 5,587,208        | 3,709,074                        |                                         | 77.6               |
| <b>Boston:</b>        |         |                      |                   |                  |                                  |                                         |                    |
| Dec. 31, 1932.....    | 10,856  | 20,460               | 121,718           | 119,420          | 195,960                          |                                         | 71.8               |
| Dec. 31, 1933.....    | 10,504  | 19,840               | 168,788           | 165,945          | 234,305                          | 19,976                                  | 63.0               |
| Dec. 31, 1934.....    | 10,762  | 10,814               | 265,599           | 251,604          | 270,943                          | 922                                     | 73.6               |
| Dec. 31, 1935.....    | 9,430   | 12,778               | 378,701           | 326,489          | 316,739                          |                                         | 79.5               |
| <b>New York:</b>      |         |                      |                   |                  |                                  |                                         |                    |
| Dec. 31, 1932.....    | 58,619  | 85,058               | 1,271,867         | 1,258,951        | 587,560                          |                                         | 57.5               |
| Dec. 31, 1933.....    | 58,280  | 87,746               | 1,078,155         | 1,036,524        | 651,086                          | 54,008                                  | 57.2               |
| Dec. 31, 1934.....    | 59,606  | 50,737               | 1,909,752         | 1,749,711        | 680,935                          | 25,468                                  | 73.1               |
| Dec. 31, 1935.....    | 51,000  | 58,569               | 3,254,054         | 2,747,431        | 807,718                          |                                         | 83.1               |
| <b>Philadelphia:</b>  |         |                      |                   |                  |                                  |                                         |                    |
| Dec. 31, 1932.....    | 16,045  | 29,242               | 124,575           | 121,686          | 238,125                          |                                         | 56.6               |
| Dec. 31, 1933.....    | 16,917  | 27,973               | 139,257           | 129,225          | 236,128                          | 20,390                                  | 60.9               |
| Dec. 31, 1934.....    | 15,131  | 14,519               | 219,866           | 211,578          | 240,444                          |                                         | 67.2               |
| Dec. 31, 1935.....    | 12,328  | 15,538               | 297,900           | 274,326          | 271,870                          |                                         | 71.2               |
| <b>Cleveland:</b>     |         |                      |                   |                  |                                  |                                         |                    |
| Dec. 31, 1932.....    | 14,101  | 28,294               | 152,951           | 146,559          | 285,386                          |                                         | 59.3               |
| Dec. 31, 1933.....    | 12,404  | 28,236               | 162,193           | 182,299          | 290,590                          | 25,091                                  | 63.4               |
| Dec. 31, 1934.....    | 13,062  | 15,277               | 285,106           | 274,278          | 306,626                          |                                         | 67.4               |
| Dec. 31, 1935.....    | 12,299  | 15,378               | 380,034           | 334,461          | 352,515                          |                                         | 73.2               |
| <b>Richmond:</b>      |         |                      |                   |                  |                                  |                                         |                    |
| Dec. 31, 1932.....    | 5,150   | 11,616               | 55,078            | 51,951           | 101,501                          |                                         | 82.3               |
| Dec. 31, 1933.....    | 5,035   | 10,979               | 100,441           | 96,255           | 157,541                          | 4,523                                   | 71.1               |
| Dec. 31, 1934.....    | 4,975   | 6,143                | 135,135           | 124,826          | 167,825                          |                                         | 66.1               |
| Dec. 31, 1935.....    | 4,500   | 8,549                | 182,455           | 165,767          | 181,523                          |                                         | 67.8               |
| <b>Atlanta:</b>       |         |                      |                   |                  |                                  |                                         |                    |
| Dec. 31, 1932.....    | 4,679   | 10,544               | 51,750            | 49,760           | 97,139                           |                                         | 58.6               |
| Dec. 31, 1933.....    | 4,450   | 10,417               | 72,082            | 65,442           | 125,175                          | 5,121                                   | 66.0               |
| Dec. 31, 1934.....    | 4,368   | 6,294                | 95,105            | 84,804           | 132,968                          |                                         | 61.0               |
| Dec. 31, 1935.....    | 4,168   | 6,370                | 121,366           | 112,539          | 156,385                          |                                         | 67.8               |
| <b>Chicago:</b>       |         |                      |                   |                  |                                  |                                         |                    |
| Dec. 31, 1932.....    | 16,157  | 39,497               | 416,028           | 409,360          | 662,150                          |                                         | 76.8               |
| Dec. 31, 1933.....    | 12,790  | 40,429               | 513,673           | 494,813          | 784,759                          | 28,737                                  | 70.4               |
| Dec. 31, 1934.....    | 12,723  | 22,057               | 670,969           | 633,316          | 788,933                          |                                         | 72.6               |
| Dec. 31, 1935.....    | 12,048  | 22,741               | 848,370           | 790,266          | 851,080                          |                                         | 80.8               |
| <b>St. Louis:</b>     |         |                      |                   |                  |                                  |                                         |                    |
| Dec. 31, 1932.....    | 4,360   | 10,186               | 64,355            | 62,027           | 103,930                          |                                         | 60.1               |
| Dec. 31, 1933.....    | 3,944   | 9,849                | 109,858           | 97,260           | 144,307                          | 8,067                                   | 68.6               |
| Dec. 31, 1934.....    | 4,088   | 5,087                | 151,150           | 129,419          | 142,880                          |                                         | 70.2               |
| Dec. 31, 1935.....    | 3,757   | 5,201                | 183,761           | 159,725          | 163,304                          |                                         | 70.6               |
| <b>Minneapolis:</b>   |         |                      |                   |                  |                                  |                                         |                    |
| Dec. 31, 1932.....    | 2,885   | 7,019                | 39,037            | 37,760           | 80,967                           |                                         | 49.2               |
| Dec. 31, 1933.....    | 2,878   | 6,929                | 66,205            | 62,013           | 92,896                           | 7,718                                   | 66.7               |
| Dec. 31, 1934.....    | 3,134   | 4,171                | 106,721           | 97,422           | 106,686                          |                                         | 71.0               |
| Dec. 31, 1935.....    | 2,999   | 4,152                | 107,138           | 96,228           | 110,562                          |                                         | 66.8               |
| <b>Kansas City:</b>   |         |                      |                   |                  |                                  |                                         |                    |
| Dec. 31, 1932.....    | 4,052   | 8,208                | 69,524            | 68,490           | 90,490                           |                                         | 58.6               |
| Dec. 31, 1933.....    | 4,077   | 7,744                | 122,929           | 118,731          | 106,814                          | 9,616                                   | 67.9               |
| Dec. 31, 1934.....    | 4,068   | 3,906                | 169,336           | 162,475          | 117,654                          |                                         | 69.5               |
| Dec. 31, 1935.....    | 3,916   | 4,755                | 172,746           | 168,793          | 141,690                          |                                         | 66.5               |
| <b>Dallas:</b>        |         |                      |                   |                  |                                  |                                         |                    |
| Dec. 31, 1932.....    | 3,910   | 8,719                | 48,148            | 46,779           | 38,783                           |                                         | 48.0               |
| Dec. 31, 1933.....    | 3,719   | 8,043                | 97,917            | 95,937           | 42,888                           | 11,344                                  | 60.6               |
| Dec. 31, 1934.....    | 4,048   | 3,777                | 125,393           | 121,135          | 53,845                           |                                         | 64.2               |
| Dec. 31, 1935.....    | 3,773   | 5,039                | 131,663           | 123,816          | 76,064                           |                                         | 65.6               |
| <b>San Francisco:</b> |         |                      |                   |                  |                                  |                                         |                    |
| Dec. 31, 1932.....    | 10,478  | 19,701               | 145,854           | 138,747          | 226,611                          |                                         | 63.7               |
| Dec. 31, 1933.....    | 10,637  | 19,495               | 202,962           | 184,998          | 213,054                          | 14,407                                  | 64.0               |
| Dec. 31, 1934.....    | 10,760  | 10,230               | 271,218           | 255,378          | 211,368                          |                                         | 68.5               |
| Dec. 31, 1935.....    | 10,198  | 10,666               | 327,631           | 287,367          | 279,624                          |                                         | 69.2               |

<sup>1</sup> Includes surplus sec. 13b beginning December 1934.<sup>2</sup> Net liability.<sup>3</sup> Net deposits.<sup>4</sup> Due to member banks—not.

Source: Board of Governors of the Federal Reserve System.

# No. 234.—FEDERAL RESERVE BANKS: HOLDINGS OF UNITED STATES SECURITIES, AS OF DEC. 31

[All figures in millions and tenths of millions of dollars]

| Bank and year           | Total   | Bonds | Notes   | Certificates and bills | Bank and year         | Total | Bonds | Notes | Certificates and bills |
|-------------------------|---------|-------|---------|------------------------|-----------------------|-------|-------|-------|------------------------|
| <b>All F. R. banks:</b> |         |       |         |                        | <b>Atlanta:</b>       |       |       |       |                        |
| 1924                    | 540.2   | 75.3  | 349.4   | 115.5                  | 1932                  | 47.4  | 10.3  | 8.1   | 29.0                   |
| 1925                    | 374.6   | 60.8  | 187.1   | 126.7                  | 1933                  | 71.9  | 11.4  | 32.3  | 28.3                   |
| 1926                    | 314.8   | 48.0  | 87.4    | 179.5                  | 1934                  | 94.3  | 13.6  | 59.3  | 21.4                   |
| 1927                    | 616.5   | 290.7 | 69.1    | 256.7                  | 1935                  | 94.2  | 8.2   | 64.6  | 21.4                   |
| 1928                    | 228.1   | 53.9  | 106.0   | 68.2                   | <b>Chicago:</b>       |       |       |       |                        |
| 1929                    | 510.8   | 76.8  | 215.6   | 218.2                  | 1932                  | 262.2 | 40.8  | 34.3  | 187.1                  |
| 1930                    | 720.5   | 163.8 | 228.5   | 339.2                  | 1933                  | 437.3 | 77.0  | 177.2 | 183.2                  |
| 1931                    | 817.0   | 390.4 | 33.0    | 423.6                  | 1934                  | 428.3 | 62.1  | 273.1 | 93.1                   |
| 1932                    | 1,856.1 | 421.9 | 299.7   | 1,133.6                | 1935                  | 365.7 | 25.6  | 242.1 | 88.0                   |
| 1933                    | 2,437.6 | 443.3 | 1,053.3 | 940.9                  | <b>St. Louis:</b>     |       |       |       |                        |
| 1934                    | 2,430.3 | 395.7 | 1,507.1 | 527.5                  | 1932                  | 60.2  | 13.9  | 11.3  | 40.9                   |
| 1935                    | 2,430.7 | 216.2 | 1,641.6 | 573.0                  | 1933                  | 93.2  | 14.5  | 41.9  | 36.8                   |
| <b>Boston:</b>          |         |       |         |                        | 1934                  | 93.2  | 13.8  | 58.4  | 21.0                   |
| 1932                    | 96.7    | 20.3  | 16.5    | 59.8                   | 1935                  | 108.2 | 9.4   | 74.3  | 24.4                   |
| 1933                    | 157.7   | 24.4  | 71.0    | 62.3                   | <b>Minneapolis:</b>   |       |       |       |                        |
| 1934                    | 157.7   | 28.2  | 98.8    | 35.6                   | 1932                  | 54.9  | 17.4  | 8.1   | 20.3                   |
| 1935                    | 157.7   | 14.4  | 107.8   | 35.6                   | 1933                  | 65.7  | 16.3  | 26.3  | 23.1                   |
| <b>New York:</b>        |         |       |         |                        | 1934                  | 65.6  | 15.4  | 37.1  | 13.2                   |
| 1932                    | 733.4   | 187.3 | 118.7   | 427.4                  | 1935                  | 75.6  | 13.0  | 47.2  | 15.4                   |
| 1933                    | 836.8   | 170.0 | 361.2   | 305.5                  | <b>Kansas City:</b>   |       |       |       |                        |
| 1934                    | 777.8   | 141.0 | 475.2   | 161.6                  | 1932                  | 57.3  | 11.8  | 9.8   | 35.5                   |
| 1935                    | 741.9   | 56.9  | 498.3   | 187.7                  | 1933                  | 83.4  | 14.1  | 36.9  | 32.4                   |
| <b>Philadelphia:</b>    |         |       |         |                        | 1934                  | 91.8  | 13.3  | 57.7  | 20.8                   |
| 1932                    | 139.3   | 31.2  | 23.4    | 84.7                   | 1935                  | 107.3 | 10.0  | 73.1  | 24.2                   |
| 1933                    | 167.1   | 28.1  | 74.0    | 65.0                   | <b>Dallas:</b>        |       |       |       |                        |
| 1934                    | 167.1   | 25.1  | 104.8   | 37.2                   | 1932                  | 45.7  | 17.3  | 6.2   | 22.3                   |
| 1935                    | 177.1   | 16.8  | 120.9   | 39.4                   | 1933                  | 66.5  | 18.5  | 25.5  | 22.4                   |
| <b>Cleveland:</b>       |         |       |         |                        | 1934                  | 71.5  | 18.8  | 38.7  | 14.0                   |
| 1932                    | 181.7   | 36.7  | 33.9    | 111.1                  | 1935                  | 79.0  | 16.0  | 47.3  | 15.6                   |
| 1933                    | 213.0   | 32.2  | 96.3    | 84.6                   | <b>San Francisco:</b> |       |       |       |                        |
| 1934                    | 213.0   | 30.6  | 134.1   | 48.4                   | 1932                  | 123.4 | 25.3  | 21.3  | 76.9                   |
| 1935                    | 218.0   | 19.1  | 149.6   | 49.5                   | 1933                  | 166.3 | 26.1  | 75.2  | 66.0                   |
| <b>Richmond:</b>        |         |       |         |                        | 1934                  | 166.3 | 23.9  | 104.7 | 37.8                   |
| 1932                    | 47.1    | 9.6   | 8.1     | 29.4                   | 1935                  | 199.3 | 17.4  | 136.7 | 45.2                   |
| 1933                    | 78.6    | 11.9  | 35.5    | 31.2                   |                       |       |       |       |                        |
| 1934                    | 103.6   | 14.9  | 65.2    | 23.5                   |                       |       |       |       |                        |
| 1935                    | 116.7   | 10.2  | 80.0    | 26.5                   |                       |       |       |       |                        |

Source: Board of Governors of the Federal Reserve System.

# No. 235.—FEDERAL RESERVE BANKS: HOLDINGS OF BILLS BOUGHT IN OPEN MARKET AND FROM OTHER FEDERAL RESERVE BANKS, AS OF DEC. 31

[All figures in thousands of dollars]

| Year | Total   | Bankers' acceptances, based on— |         |         |                                   |                       |                 | Trade pay-able in foreign currencies |
|------|---------|---------------------------------|---------|---------|-----------------------------------|-----------------------|-----------------|--------------------------------------|
|      |         | Total                           | Imports | Exports | Goods stored abroad or in transit | Domestic transactions | Dollar exchange | All other                            |
| 1924 | 387,100 | 385,606                         |         | 283,592 |                                   | 94,556                | 6,882           | 576                                  |
| 1925 | 374,356 | 372,225                         |         | 301,191 |                                   | 63,846                | 6,112           | 1,076                                |
| 1926 | 380,986 | 377,539                         |         | 120,385 | 37,714                            | 77,698                | 8,434           | 1,451                                |
| 1927 | 392,039 | 390,500                         | 84,624  | 118,210 | 81,242                            | 95,705                | 6,195           | 4,434                                |
| 1928 | 489,069 | 487,515                         | 108,431 | 131,388 | 143,123                           | 90,664                | 8,707           | 5,204                                |
| 1929 | 392,208 | 390,582                         | 55,500  | 77,068  | 140,881                           | 94,222                | 15,562          | 1,343                                |
| 1930 | 363,844 | 327,861                         | 38,672  | 53,071  | 131,502                           | 81,121                | 12,341          | 6,154                                |
| 1931 | 338,687 | 305,258                         | 43,047  | 55,248  | 103,582                           | 84,008                | 13,675          | 5,698                                |
| 1932 | 33,123  | 3,634                           | 183     | 478     | 696                               | 2,228                 |                 | 50                                   |
| 1933 | 133,425 | 127,392                         | 22,317  | 22,269  | 39,104                            | 38,660                | 820             | 4,222                                |
| 1934 | 5,613   | 112                             | 1       |         |                                   | 111                   |                 |                                      |
| 1935 | 4,656   |                                 |         |         |                                   |                       |                 |                                      |

Source: Board of Governors of the Federal Reserve System.

## No. 236.—FEDERAL RESERVE BANKS: HOLDINGS OF DISCOUNTED BILLS, BY STATES

NOTE.—Yearly average based on end of month figures

[All figures in thousands of dollars]

| Division and State   | 1932 <sup>1</sup> | 1933 <sup>1</sup> | 1934 <sup>1</sup> | 1935  | Division and State        | 1932 <sup>1</sup> | 1933 <sup>1</sup> | 1934 <sup>1</sup> | 1935  |
|----------------------|-------------------|-------------------|-------------------|-------|---------------------------|-------------------|-------------------|-------------------|-------|
| United States.....   | 502,251           | 248,689           | 32,174            | 7,009 | South Atlantic—<br>Contd. |                   |                   |                   |       |
| New England.....     | 27,840            | 11,073            | 1,585             | 893   | Virginia.....             | 9,596             | 4,786             | 286               | 102   |
| Maine.....           | 3,450             | 2,344             | 196               | ----- | West Virginia.....        | 5,230             | 3,440             | 220               | 44    |
| New Hampshire.....   | 2,558             | 993               | 275               | 235   | North Carolina.....       | 3,948             | 2,149             | 193               | 19    |
| Vermont.....         | 2,556             | 1,002             | 67                | 47    | South Carolina.....       | 2,905             | 893               | 28                | 18    |
| Massachusetts.....   | 12,764            | 4,567             | 629               | 356   | Georgia.....              | 6,903             | 2,647             | 302               | 104   |
| Rhode Island.....    | 801               | 278               | 83                | 17    | Florida.....              | 888               | 628               | 44                | 5     |
| Connecticut.....     | 5,511             | 1,888             | 334               | 238   | E. S. Central.....        | 18,247            | 9,527             | 595               | 67    |
| Middle Atlantic..... | 187,156           | 120,011           | 24,991            | 4,599 | Kentucky.....             | 3,404             | 1,456             | 110               | 20    |
| New York.....        | 69,380            | 51,902            | 9,216             | 1,581 | Tennessee.....            | 6,720             | 3,971             | 218               | ----- |
| New Jersey.....      | 47,769            | 20,100            | 8,611             | 2,653 | Alabama.....              | 6,611             | 3,197             | 65                | 25    |
| Pennsylvania.....    | 70,007            | 42,009            | 7,164             | 365   | Mississippi.....          | 1,512             | 903               | 202               | 13    |
| E. N. Central.....   | 81,866            | 38,468            | 1,776             | 234   | W. S. Central.....        | 24,889            | 8,193             | 249               | 338   |
| Ohio.....            | 41,423            | 24,416            | 698               | 141   | Arkansas.....             | 1,243             | 418               | 37                | 7     |
| Indiana.....         | 5,695             | 3,501             | 35                | ----- | Louisiana.....            | 3,965             | 2,201             | 8                 | 4     |
| Illinois.....        | 11,479            | 2,069             | 193               | 28    | Oklahoma.....             | 4,135             | 1,889             | 38                | 17    |
| Michigan.....        | 18,676            | 6,980             | 753               | 8     | Texas.....                | 10,346            | 3,595             | 166               | 310   |
| Wisconsin.....       | 4,593             | 1,620             | 97                | 57    | Mountain.....             | 13,431            | 4,237             | 132               | 85    |
| W. N. Central.....   | 33,779            | 11,683            | 581               | 240   | Montana.....              | 1,853             | 593               | 23                | ----- |
| Minnesota.....       | 4,041             | 1,538             | 101               | 10    | Idaho.....                | 1,208             | 256               | ( <sup>2</sup> )  | ----- |
| Iowa.....            | 4,855             | 1,416             | 26                | ----- | Wyoming.....              | 1,857             | 577               | 92                | 23    |
| Missouri.....        | 8,772             | 2,355             | 85                | 28    | Colorado.....             | 3,343             | 1,788             | 30                | 49    |
| North Dakota.....    | 1,341             | 688               | 78                | ----- | New Mexico.....           | 1,275             | 337               | 16                | 1     |
| South Dakota.....    | 3,354             | 2,139             | 173               | 32    | Arizona.....              | 542               | 84                | 3                 | ----- |
| Nebraska.....        | 6,484             | 1,744             | 69                | 170   | Utah.....                 | 2,801             | 680               | -----             | 12    |
| Kansas.....          | 4,932             | 1,808             | 49                | ----- | Nevada.....               | 557               | 72                | 16                | ----- |
| South Atlantic.....  | 36,729            | 19,008            | 1,649             | 425   | Pacific.....              | 78,714            | 26,487            | 567               | 128   |
| Delaware.....        | 736               | 431               | 220               | 86    | Washington.....           | 6,859             | 2,566             | 57                | 4     |
| Maryland.....        | 4,491             | 2,604             | 346               | 47    | Oregon.....               | 3,131             | 692               | 56                | ----- |
| Dist. of Col.....    | 2,032             | 1,530             | -----             | ----- | California.....           | 68,724            | 23,229            | 454               | 124   |

<sup>1</sup> Figures include borrowings by Federal intermediate credit banks as follows: 1932—Minnesota, \$367,000; Nebraska, \$587,000; Kansas, \$407,000; South Carolina, \$592,000; Louisiana, \$467,000; Texas, \$9,000; Washington, \$208,000; California, \$280,000. 1933—Texas, \$26,000; Washington, \$3,000. 1934—Oregon, \$17,000.

<sup>2</sup> Exclusive of \$79,000 foreign loans on gold.

<sup>3</sup> Less than \$500.

Source: Board of Governors of the Federal Reserve System.

## No. 237.—FEDERAL RESERVE BANKS: HOLDINGS OF DISCOUNTED BILLS BY CLASSES, AS OF DEC. 31

[All figures in thousands of dollars]

| Year      | Total (all classes) | Rediscounted bills                                                |                                 | Member bank collateral notes                                      |                                      |                                                                                    | Discounts for individuals, partnerships, and corporations |
|-----------|---------------------|-------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------|
|           |                     | Secured by U. S. Govt. obligations direct and/or fully guaranteed | Otherwise secured and unsecured | Secured by U. S. Govt. obligations direct and/or fully guaranteed | Secured by other eligible collateral | Secured by bills and securities not eligible for discount or purchase <sup>1</sup> |                                                           |
| 1921..... | 1,144,346           | 41,511                                                            | 641,361                         | 443,722                                                           | 17,762                               | -----                                                                              | -----                                                     |
| 1922..... | 617,780             | 3,618                                                             | 275,955                         | 328,172                                                           | 10,036                               | -----                                                                              | -----                                                     |
| 1923..... | 723,068             | 3,919                                                             | 363,091                         | 349,766                                                           | 6,292                                | -----                                                                              | -----                                                     |
| 1924..... | 320,128             | 1,276                                                             | 111,439                         | 185,664                                                           | 21,849                               | -----                                                                              | -----                                                     |
| 1925..... | 642,993             | 1,872                                                             | 188,468                         | 380,279                                                           | 72,374                               | -----                                                                              | -----                                                     |
| 1926..... | 636,628             | 1,111                                                             | 173,773                         | 394,169                                                           | 97,676                               | -----                                                                              | -----                                                     |
| 1927..... | 581,503             | 103                                                               | 59,385                          | 417,666                                                           | 74,389                               | -----                                                                              | -----                                                     |
| 1928..... | 1,056,466           | 974                                                               | 216,677                         | 658,242                                                           | 180,573                              | -----                                                                              | -----                                                     |
| 1929..... | 632,421             | 755                                                               | 173,286                         | 352,773                                                           | 105,607                              | -----                                                                              | -----                                                     |
| 1930..... | 251,398             | 447                                                               | 99,662                          | 88,990                                                            | 62,299                               | -----                                                                              | -----                                                     |
| 1931..... | 638,283             | 3,591                                                             | 214,905                         | 317,536                                                           | 102,262                              | -----                                                                              | -----                                                     |
| 1932..... | 234,932             | 1,000                                                             | 91,301                          | 60,000                                                            | 67,955                               | 13,974                                                                             | 701                                                       |
| 1933..... | 97,590              | 338                                                               | 19,887                          | 26,891                                                            | 31,240                               | 18,824                                                                             | 404                                                       |
| 1934..... | 7,062               | -----                                                             | 657                             | 3,470                                                             | 1,214                                | 1,647                                                                              | 74                                                        |
| 1935..... | 4,672               | -----                                                             | 731                             | 1,538                                                             | 803                                  | 1,594                                                                              | 6                                                         |

<sup>1</sup> Section 10 (b) of the Federal Reserve Act.

<sup>2</sup> Revised.

Source: Board of Governors of the Federal Reserve System.

# No. 238.—FEDERAL RESERVE BANKS: HOLDINGS OF DISCOUNTED BILLS BY MATURITIES

[All figures in thousands of dollars]

| Date          | Total     | Maturity of discounted bills |               |               |               |               |                               |
|---------------|-----------|------------------------------|---------------|---------------|---------------|---------------|-------------------------------|
|               |           | Within 15 days               | 16 to 30 days | 31 to 60 days | 61 to 90 days | After 90 days | Average for year <sup>1</sup> |
| Dec. 28, 1921 | 1,179,883 | 708,361                      | 116,690       | 161,202       | 181,936       | 61,644        | 18.63                         |
| Dec. 27, 1922 | 623,885   | 436,455                      | 48,609        | 63,372        | 50,059        | 31,680        | 12.14                         |
| Dec. 26, 1923 | 867,151   | 612,680                      | 64,310        | 84,009        | 66,614        | 29,698        | 9.89                          |
| Dec. 31, 1924 | 314,128   | 241,603                      | 18,335        | 26,413        | 17,343        | 10,434        | 12.39                         |
| Dec. 30, 1925 | 749,672   | 616,325                      | 35,816        | 53,152        | 33,428        | 10,951        | 7.99                          |
| Dec. 29, 1926 | 710,931   | 375,544                      | 38,865        | 49,876        | 37,232        | 9,414         | 8.04                          |
| Dec. 28, 1927 | 609,209   | 537,482                      | 18,530        | 26,892        | 18,617        | 7,885         | 7.58                          |
| Dec. 26, 1928 | 1,167,679 | 1,012,681                    | 38,749        | 59,599        | 38,616        | 18,124        | 6.78                          |
| Dec. 31, 1929 | 632,421   | 508,072                      | 36,331        | 48,742        | 26,982        | 13,344        | 8.00                          |
| Dec. 31, 1930 | 251,398   | 175,501                      | 17,659        | 26,960        | 19,459        | 11,813        | 10.27                         |
| Dec. 30, 1931 | 1,023,883 | 851,308                      | 39,895        | 61,106        | 51,407        | 20,167        | 11.03                         |
| Dec. 28, 1932 | 267,332   | 187,681                      | 20,288        | 29,013        | 19,503        | 10,997        | 11.49                         |
| Dec. 27, 1933 | 110,552   | 82,787                       | 5,913         | 8,890         | 11,748        | 1,214         | 9.84                          |
| Dec. 26, 1934 | 9,281     | 7,281                        | 404           | 884           | 688           | 74            | 13.14                         |
| Dec. 31, 1935 | 4,672     | 2,116                        | 185           | 176           | 1,628         | 568           | 7.49                          |

<sup>1</sup> Represents average maturity (in days) of all time bills discounted during year.

Source: Board of Governors of the Federal Reserve System.

# No. 239.—FEDERAL RESERVE BANKS: DISCOUNT RATES IN EFFECT JAN. 1, 1929, AND CHANGES TO DEC. 31, 1935

NOTE.—For rates for 1914 to 1921, see Statistical Abstract 1928, table 249; for 1922 to 1928, Statistical Abstract 1933, table 232. Rates on industrial advances authorized by sec. 13b of the Federal Reserve Act, which are not shown in the following table, are available in the Annual Report of the Board of Governors of the Federal Reserve System and the Federal Reserve Bulletin

| Month established                                                                                 | Boston | New York | Philadelphia | Cleveland | Richmond | Atlanta | Chicago | St. Louis | Minneapolis | Kansas City | Dallas | San Francisco |
|---------------------------------------------------------------------------------------------------|--------|----------|--------------|-----------|----------|---------|---------|-----------|-------------|-------------|--------|---------------|
| Rediscounts for and advances to member banks under secs. 13 and 13 (a) of the Federal Reserve Act |        |          |              |           |          |         |         |           |             |             |        |               |
| In effect Jan. 1, 1929                                                                            | 5      | 5        | 5            | 5         | 5        | 5       | 5       | 5         | 4½          | 4½          | 4½     | 4½            |
| 1929—Mar                                                                                          |        |          |              |           |          |         |         |           | 5           | 5           | 5      | 5             |
| May                                                                                               |        | 6        |              |           |          |         |         |           |             |             |        |               |
| Aug                                                                                               |        | 1 4½     |              |           |          |         |         |           |             |             |        |               |
| Nov                                                                                               | 4½     |          |              |           |          | 4½      |         |           |             | 4½          |        | 4½            |
| Dec                                                                                               |        |          |              |           |          |         |         |           |             |             |        |               |
| 1930—Jan                                                                                          |        |          | 4½           |           |          |         |         |           |             |             |        |               |
| Feb                                                                                               | 4      | 4        |              | 4½        | 4½       |         | 4       | 4½        | 4½          | 4           | 4½     |               |
| Mar                                                                                               |        | 3½       | 4            | 4         |          |         |         |           |             |             |        | 4             |
| Apr                                                                                               | 3½     | 3        |              |           | 4        | 4       |         | 4         | 4           |             | 4      |               |
| May                                                                                               |        | 2½       |              | 3½        |          |         | 3½      |           |             |             |        |               |
| June                                                                                              |        |          |              |           |          |         |         |           |             |             |        |               |
| July                                                                                              | 3      |          | 3½           |           | 3½       | 3½      |         |           |             |             |        |               |
| Aug                                                                                               |        |          |              |           |          |         |         | 3½        |             | 3½          | 3½     | 3½            |
| Sept                                                                                              |        |          |              |           |          |         |         |           | 3½          |             | 3½     |               |
| Dec                                                                                               |        | 2        |              | 3         |          |         |         |           |             |             |        |               |
| 1931—Jan                                                                                          | 2½     |          |              |           |          | 3       | 3       | 3         |             |             |        | 3             |
| May                                                                                               | 2      | 1½       | 3            | 2½        | 3        |         | 2½      | 2½        |             | 3           | 3      | 2½            |
| Oct                                                                                               | 3½     | 3½       | 3½           | 4½        | 4        |         | 3½      | 3½        |             | 3½          | 4      | 3½            |
| Nov                                                                                               |        |          |              |           |          | 3½      |         |           |             |             |        |               |
| 1932—Jan                                                                                          |        |          |              |           | 3½       |         |         |           |             |             | 3½     |               |
| Feb                                                                                               |        | 3        |              |           |          |         |         |           |             |             |        |               |
| June                                                                                              |        | 2½       |              |           |          |         | 2½      |           |             |             |        |               |
| 1933—Mar                                                                                          |        | 3½       |              |           |          |         | 3½      |           |             |             |        |               |
| Apr                                                                                               |        | 3        |              |           |          |         |         |           |             |             |        |               |
| May                                                                                               |        | 2½       |              |           |          |         | 3       |           |             |             |        |               |
| June                                                                                              | 3      |          | 3            | 3         |          |         |         | 3         |             |             |        | 3             |
| Oct                                                                                               |        | 2        |              | 2½        |          |         | 2½      |           |             |             |        |               |
| Nov                                                                                               | 2½     |          | 2½           |           |          |         |         |           |             |             |        | 2½            |
| 1934—Feb                                                                                          | 2      | 1½       |              | 2         | 3        | 3       |         | 2½        |             | 3           | 3      | 2             |
| Mar                                                                                               |        |          |              |           |          |         |         |           |             |             |        |               |
| Dec                                                                                               |        |          |              |           |          | 2½      |         |           |             | 2½          |        |               |
| 1935—Jan                                                                                          |        |          | 2            |           | 2½       | 2       | 2       | 2         | 2½          | 2           | 2½     |               |
| May                                                                                               |        |          |              | 1½        | 2        |         |         |           | 2           | 2           | 2      |               |
| In effect Dec. 31, 1935                                                                           | 2      | 1½       | 2            | 1½        | 2        | 2       | 2       | 2         | 2           | 2           | 2      | 2             |

For footnotes see p. 233.

No. 239.—FEDERAL RESERVE BANKS: DISCOUNT RATES IN EFFECT JAN. 1, 1929, AND CHANGES TO DEC. 31, 1935—Continued

| Month established                                                                                                                                                               | Boston | New York | Philadelphia | Cleveland | Richmond | Atlanta | Chicago | St. Louis | Minneapolis | Kansas City | Dallas | San Francisco |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|--------------|-----------|----------|---------|---------|-----------|-------------|-------------|--------|---------------|
| Advances to member banks under sec. 10 (b) of the Federal Reserve Act                                                                                                           |        |          |              |           |          |         |         |           |             |             |        |               |
| 1933—Jan. <sup>1</sup>                                                                                                                                                          | 5      | 5        | 5            | 5         | 5        | 5       | 5       | 5         | 5           | 5           | 5      | 5             |
| July                                                                                                                                                                            | 4½     | 4½       | 4½           | 4½        | 4½       | 4½      | 4½      | 4½        | 4½          | 4½          | 4½     | 4½            |
| Aug.                                                                                                                                                                            | 4      | 4        | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |
| Oct.                                                                                                                                                                            | 4      | 4        | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |
| Dec.                                                                                                                                                                            | 4      | 4        | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |
| 1934—Mar.                                                                                                                                                                       | 4      | 4        | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |
| July                                                                                                                                                                            | 4      | 4        | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |
| 1935—Jan.                                                                                                                                                                       | 4      | 2½       | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |
| Aug.                                                                                                                                                                            | 4      | 2½       | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |
| Sept.                                                                                                                                                                           | 2½     | 2½       | 2½           | 2½        | 2½       | 2½      | 2½      | 2½        | 2½          | 2½          | 2½     | 2½            |
| Oct.                                                                                                                                                                            | 2½     | 2        | 2½           | 2         | 2½       | 2½      | 2½      | 2½        | 2½          | 2½          | 2½     | 2½            |
| Nov.                                                                                                                                                                            | 2½     | 2        | 2½           | 2         | 2½       | 2½      | 2½      | 2½        | 2½          | 2½          | 2½     | 2½            |
| In effect Dec. 31, 1935.                                                                                                                                                        | 2½     | 2        | 2½           | 2         | 2½       | 2½      | 2½      | 2½        | 2½          | 2½          | 2½     | 2½            |
| Advances to nonmember banks and trust companies under acts of Mar. 9 and 24, 1933 <sup>2</sup>                                                                                  |        |          |              |           |          |         |         |           |             |             |        |               |
| 1933—Mar.                                                                                                                                                                       | 5      | 5        | 5            | 5         | 5        | 5       | 5       | 5         | 5           | 5           | 5      | 5             |
| Apr.                                                                                                                                                                            | 5      | 5        | 5            | 5         | 5        | 5       | 5       | 5         | 5           | 5           | 5      | 5             |
| May                                                                                                                                                                             | 4½     | 4½       | 4½           | 4½        | 4½       | 4½      | 4½      | 4½        | 4½          | 4½          | 4½     | 4½            |
| July                                                                                                                                                                            | 4½     | 4½       | 4½           | 4½        | 4½       | 4½      | 4½      | 4½        | 4½          | 4½          | 4½     | 4½            |
| Aug.                                                                                                                                                                            | 4      | 4        | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |
| Oct.                                                                                                                                                                            | 4      | 4        | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |
| Dec.                                                                                                                                                                            | 4      | 4        | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |
| 1934—Mar.                                                                                                                                                                       | 4      | 4        | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |
| Discounts for and advances to individuals, partnerships, and corporations under sec. 13, par. 3, of the Federal Reserve Act as amended by act of July 21, 1932                  |        |          |              |           |          |         |         |           |             |             |        |               |
| 1932—Aug.                                                                                                                                                                       | 6      | 6        | 6            | 6         | 6        | 6       | 6       | 6         | 6           | 6           | 6      | 6             |
| Sept.                                                                                                                                                                           | 6      | 6        | 6            | 6         | 6        | 6       | 6       | 6         | 6           | 6           | 6      | 6             |
| 1934—Mar.                                                                                                                                                                       | 6      | 6        | 6            | 6         | 6        | 6       | 6       | 6         | 6           | 6           | 6      | 6             |
| July                                                                                                                                                                            | 6      | 6        | 6            | 6         | 6        | 6       | 6       | 6         | 6           | 6           | 6      | 6             |
| In effect Dec. 31, 1935.                                                                                                                                                        | 6      | 6        | 6            | 6         | 6        | 6       | 6       | 6         | 6           | 6           | 6      | 6             |
| Advances to individuals, partnerships, and corporations, secured by direct obligations of United States under sec. 13 of the Fed. Reserve Act (sec. 403 of act of Mar. 9, 1933) |        |          |              |           |          |         |         |           |             |             |        |               |
| 1933—Mar.                                                                                                                                                                       | 4½     | 4½       | 4½           | 4½        | 4½       | 4½      | 4½      | 4½        | 4½          | 4½          | 4½     | 4½            |
| Apr.                                                                                                                                                                            | 4½     | 4½       | 4½           | 4½        | 4½       | 4½      | 4½      | 4½        | 4½          | 4½          | 4½     | 4½            |
| Oct.                                                                                                                                                                            | 4      | 4        | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |
| 1934—Feb.                                                                                                                                                                       | 4      | 3½       | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |
| Mar.                                                                                                                                                                            | 4      | 3½       | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |
| 1935—Feb.                                                                                                                                                                       | 4      | 3½       | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |
| May                                                                                                                                                                             | 4      | 3½       | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |
| In effect Dec. 31, 1935.                                                                                                                                                        | 4      | 3½       | 4            | 4         | 4        | 4       | 4       | 4         | 4           | 4           | 4      | 4             |

<sup>1</sup> Rate changed to 5 on Nov. 1 and 4½ on Nov. 15. <sup>2</sup> Rate changed to 2½ on Oct. 10 and 3½ on Oct. 17.

<sup>3</sup> Rate changed to 2½ on Oct. 9 and 3½ on Oct. 16. <sup>4</sup> Rate changed to 3 on Oct. 10 and 3½ on Oct. 24.

<sup>5</sup> Prior to Jan. 1, 1933, the rate of 5½ percent was specified for each advance under sec. 10 (b).

<sup>6</sup> Expired Mar. 24, 1934.

No. 240.—FEDERAL RESERVE BANKS: AVERAGE ANNUAL RATE OF EARNINGS ON BILLS AND SECURITIES

NOTE.—Rate on "All classes" covers, besides classes specified, earnings on a small amount of municipal warrants, Fed. intermediate credit bank debentures, Fed. land bank bonds, and foreign loans on gold

| Bank and year | Average annual rate (per cent) on— |                   |                  |                   | Bank and year | Average annual rate (per cent) on— |                   |                  |                   |
|---------------|------------------------------------|-------------------|------------------|-------------------|---------------|------------------------------------|-------------------|------------------|-------------------|
|               | All classes                        | Dis-counted bills | Pur-chased bills | U. S. securi-ties |               | All classes                        | Dis-counted bills | Pur-chased bills | U. S. securi-ties |
| 1920          | 5.50                               | 5.88              | 5.65             | 2.21              | 1928          | 4.24                               | 4.56              | 3.97             | 3.64              |
| 1921          | 5.61                               | 6.07              | 5.70             | 2.37              | 1929          | 4.86                               | 5.03              | 5.00             | 3.93              |
| 1922          | 4.11                               | 4.63              | 3.54             | 3.67              | 1930          | 3.25                               | 3.93              | 2.85             | 3.06              |
| 1923          | 4.33                               | 4.46              | 4.14             | 4.01              | 1931          | 2.20                               | 3.01              | 2.04             | 1.86              |
| 1924          | 3.83                               | 4.25              | 3.31             | 3.67              | 1932          | 2.33                               | 3.43              | 3.93             | 1.84              |
| 1925          | 3.51                               | 3.67              | 3.17             | 3.56              | 1933          | 1.98                               | 3.23              | 1.49             | 1.83              |
| 1926          | 3.76                               | 3.95              | 3.55             | 3.60              | 1934          | 1.91                               | 3.44              | .57              | 1.90              |
| 1927          | 3.60                               | 3.83              | 3.49             | 3.41              | 1935          | 1.68                               | 2.14              | .73              | 1.64              |

Source of tables 239 and 240: Board of Governors of the Federal Reserve System.



## No. 241.—FEDERAL RESERVE BANKS: VOLUME OF OPERATIONS IN PRINCIPAL

## DEPARTMENTS

[All figures in millions and tenths of millions of dollars]

| Bank and year           | Bills dis-<br>counted | Bills pur-<br>chased in open<br>market for own<br>account | Currency<br>received<br>and<br>counted | Coin<br>received<br>and<br>counted | Checks<br>handled | Collection items<br>handled                 |              | U.S. Govt.<br>obligations—<br>issues, redemptions,<br>and exchanges<br>by fiscal<br>agent de-<br>partment <sup>2</sup> | Trans-<br>fers of<br>funds |
|-------------------------|-----------------------|-----------------------------------------------------------|----------------------------------------|------------------------------------|-------------------|---------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------|----------------------------|
|                         |                       |                                                           |                                        |                                    |                   | U. S.<br>Government<br>cou-<br>pons<br>paid | All<br>other |                                                                                                                        |                            |
| <b>All F. R. banks:</b> |                       |                                                           |                                        |                                    |                   |                                             |              |                                                                                                                        |                            |
| 1929.....               | 60,747.1              | 3,587.5                                                   | 14,782.4                               | 478.2                              | 367,215.1         | 535.6                                       | 7,185.4      | 7,018.8                                                                                                                | 170,789.7                  |
| 1930.....               | 14,087.1              | 3,873.7                                                   | 14,262.8                               | 537.5                              | 324,888.0         | 409.1                                       | 7,528.0      | 7,245.2                                                                                                                | 198,880.9                  |
| 1931.....               | 14,555.6              | 2,998.4                                                   | 12,688.6                               | 585.9                              | 248,173.0         | 480.0                                       | 7,321.8      | 17,543.5                                                                                                               | 162,095.1                  |
| 1932.....               | 18,648.3              | 762.8                                                     | 10,952.6                               | 300.3                              | 176,591.8         | 529.1                                       | 5,427.8      | 19,645.8                                                                                                               | 118,040.0                  |
| 1933.....               | 9,632.8               | 598.0                                                     | 11,710.4                               | 624.6                              | 157,833.7         | 578.1                                       | 5,539.7      | 24,622.7                                                                                                               | 85,059.2                   |
| 1934.....               | 714.4                 | 75.9                                                      | 9,932.6                                | 298.3                              | 179,544.5         | 699.3                                       | 6,743.0      | 20,941.0                                                                                                               | 73,077.2                   |
| 1935.....               | 228.0                 | —                                                         | 9,837.6                                | 275.6                              | 202,960.7         | 751.9                                       | 7,948.6      | 34,101.8                                                                                                               | 80,484.1                   |
| Boston.....             | 27.8                  | —                                                         | 952.0                                  | 30.3                               | 12,872.5          | 49.1                                        | 614.5        | 1,382.2                                                                                                                | 2,951.9                    |
| New York.....           | 130.5                 | —                                                         | 2,908.5                                | 103.3                              | 62,517.8          | 399.0                                       | 2,176.7      | 21,901.1                                                                                                               | 31,001.8                   |
| Philadelphia.....       | 21.3                  | —                                                         | 795.9                                  | 25.0                               | 19,660.8          | 39.3                                        | 255.2        | 1,032.9                                                                                                                | 2,520.0                    |
| Cleveland.....          | 7.9                   | —                                                         | 593.1                                  | 12.8                               | 17,943.5          | 60.1                                        | 504.8        | 1,309.6                                                                                                                | 3,304.5                    |
| Richmond.....           | 8.0                   | —                                                         | 431.7                                  | 13.8                               | 10,430.6          | 17.2                                        | 305.2        | 844.0                                                                                                                  | 4,216.3                    |
| Atlanta.....            | 2.7                   | —                                                         | 368.7                                  | 7.5                                | 8,008.8           | 9.8                                         | 218.7        | 323.4                                                                                                                  | 1,428.3                    |
| Chicago.....            | 11.8                  | —                                                         | 1,845.9                                | 18.7                               | 26,815.0          | 84.4                                        | 2,099.9      | 3,878.9                                                                                                                | 15,461.1                   |
| St. Louis.....          | 1.9                   | —                                                         | 435.5                                  | 12.1                               | 10,693.4          | 21.3                                        | 456.4        | 876.4                                                                                                                  | 2,957.1                    |
| Minneapolis.....        | .6                    | —                                                         | 217.4                                  | 3.8                                | 4,882.6           | 12.9                                        | 341.2        | 452.6                                                                                                                  | 1,588.9                    |
| Kansas City.....        | 3.2                   | —                                                         | 282.7                                  | 8.1                                | 10,505.3          | 21.1                                        | 349.6        | 832.5                                                                                                                  | 3,962.9                    |
| Dallas.....             | 4.2                   | —                                                         | 176.2                                  | 5.4                                | 6,450.9           | 8.3                                         | 276.4        | 428.6                                                                                                                  | 3,026.7                    |
| San Francisco.....      | 8.1                   | —                                                         | 770.0                                  | 34.2                               | 11,713.0          | 28.8                                        | 350.0        | 838.7                                                                                                                  | 8,008.6                    |

<sup>1</sup> Not including industrial advances as follows: 1934, \$14,000,000; 1935, \$28,500,000.<sup>2</sup> Figures for 1935 include obligations guaranteed by the United States.

## No. 242.—FEDERAL RESERVE BANKS: OPERATIONS OF BRANCHES

[All figures in thousands of dollars]

| Federal Reserve branch<br>and year | Bills dis-<br>counted<br>and<br>bought <sup>1</sup> | Currency<br>and coin re-<br>ceived and<br>counted | Checks<br>handled | Noncash collection<br>items handled |           | Transfers<br>of funds | Fiscal<br>agency—<br>issues,<br>redemptions,<br>and<br>exchanges<br>of U. S. ob-<br>ligations <sup>2</sup> |
|------------------------------------|-----------------------------------------------------|---------------------------------------------------|-------------------|-------------------------------------|-----------|-----------------------|------------------------------------------------------------------------------------------------------------|
|                                    |                                                     |                                                   |                   | Government<br>coupons               | All other |                       |                                                                                                            |
| <b>All branches:</b>               |                                                     |                                                   |                   |                                     |           |                       |                                                                                                            |
| 1929.....                          | 8,601,344                                           | 3,293,274                                         | 72,034,805        | 70,570                              | 1,227,485 | 28,975,751            | 271,416                                                                                                    |
| 1930.....                          | 2,438,801                                           | 3,124,304                                         | 62,834,956        | 74,052                              | 1,068,691 | 33,111,877            | 211,848                                                                                                    |
| 1931.....                          | 2,750,613                                           | 2,601,089                                         | 48,079,197        | 68,014                              | 975,775   | 25,041,132            | 350,538                                                                                                    |
| 1932.....                          | 4,006,708                                           | 2,666,967                                         | 34,048,272        | 73,973                              | 814,363   | 20,260,015            | 226,105                                                                                                    |
| 1933.....                          | 1,171,239                                           | 2,331,352                                         | 33,618,776        | 77,841                              | 1,023,153 | 13,641,178            | 275,592                                                                                                    |
| 1934.....                          | 109,971                                             | 2,244,222                                         | 43,109,445        | 91,185                              | 1,303,799 | 13,060,768            | 528,001                                                                                                    |
| 1935.....                          | 18,286                                              | 2,362,111                                         | 49,995,681        | 91,653                              | 1,485,723 | 14,981,665            | 516,534                                                                                                    |
| No. 2. Buffalo.....                | 4,630                                               | 185,201                                           | 2,249,220         | 3,554                               | 44,297    | 896,407               | 7,179                                                                                                      |
| No. 4. Cincinnati.....             | —                                                   | 106,799                                           | 2,355,575         | 12,602                              | 99,929    | 360,616               | 117,511                                                                                                    |
| Pittsburgh.....                    | —                                                   | 219,771                                           | 8,853,050         | 19,447                              | 88,728    | 743,136               | 120,099                                                                                                    |
| No. 5. Baltimore.....              | 2,402                                               | 225,719                                           | 3,206,714         | 11,138                              | 161,840   | 855,170               | 343,092                                                                                                    |
| Charlotte.....                     | —                                                   | 49,953                                            | 1,574,132         | 479                                 | 38,590    | 1,046,876             | —                                                                                                          |
| No. 6. Birmingham.....             | —                                                   | 30,559                                            | 1,221,168         | 420                                 | 15,239    | 135,953               | —                                                                                                          |
| Jacksonville.....                  | —                                                   | 70,465                                            | 1,223,683         | 1,123                               | 31,395    | 181,500               | —                                                                                                          |
| Nashville.....                     | —                                                   | 37,930                                            | 1,159,068         | 528                                 | 53,658    | 88,946                | —                                                                                                          |
| New Orleans.....                   | 484                                                 | 73,852                                            | 1,258,206         | 3,018                               | 62,973    | 359,722               | 69,631                                                                                                     |
| No. 7. Detroit.....                | 277                                                 | 478,704                                           | 6,744,515         | 7,482                               | 186,411   | 2,726,719             | 15,626                                                                                                     |
| No. 8. Little Rock.....            | 59                                                  | 28,178                                            | 751,288           | 528                                 | 42,556    | 172,815               | 1,213                                                                                                      |
| Louisville.....                    | 125                                                 | 67,739                                            | 2,157,222         | 3,894                               | 60,540    | 396,231               | 7,735                                                                                                      |
| Memphis.....                       | 425                                                 | 55,521                                            | 937,732           | 3,894                               | 52,094    | 465,036               | 2,837                                                                                                      |
| No. 9. Helena.....                 | 9                                                   | 13,766                                            | 482,285           | 415                                 | 20,895    | 145,414               | —                                                                                                          |
| No. 10. Denver.....                | 1,231                                               | 64,407                                            | 1,862,351         | 3,625                               | 61,201    | 660,136               | 7,154                                                                                                      |
| Oklahoma City.....                 | —                                                   | 32,775                                            | 2,004,272         | 812                                 | 27,760    | 222,569               | 1,459                                                                                                      |
| Omaha.....                         | 1,752                                               | 45,081                                            | 1,767,018         | 3,320                               | 96,134    | 658,595               | 7,590                                                                                                      |
| No. 11. El Paso.....               | 39                                                  | 13,793                                            | 333,021           | 317                                 | 12,253    | 98,323                | —                                                                                                          |
| Houston.....                       | 268                                                 | 37,003                                            | 1,256,969         | 1,607                               | 76,670    | 1,073,606             | —                                                                                                          |
| San Antonio.....                   | 103                                                 | 33,549                                            | 911,845           | 873                                 | 46,752    | 338,956               | —                                                                                                          |
| No. 12. Los Angeles.....           | 4,436                                               | 317,387                                           | 3,155,911         | 9,819                               | 68,513    | 2,050,478             | 88,445                                                                                                     |
| Portland.....                      | —                                                   | 50,168                                            | 1,142,162         | 1,809                               | 30,275    | 442,980               | 14,134                                                                                                     |
| Salt Lake City.....                | 283                                                 | 31,244                                            | 878,473           | 1,323                               | 45,076    | 360,357               | 3,377                                                                                                      |
| Seattle.....                       | 1,702                                               | 67,977                                            | 1,118,904         | 1,924                               | 34,669    | 465,714               | 5,919                                                                                                      |
| Spokane.....                       | 26                                                  | 17,462                                            | 753,241           | 878                                 | 21,298    | 141,111               | 3,723                                                                                                      |

<sup>1</sup> Not including industrial advances. <sup>2</sup> Figures for 1935 include obligations guaranteed by the United States.

Source of tables 241 and 242: Board of Governors of the Federal Reserve System.

# No. 243.—FEDERAL RESERVE AGENTS' GOLD CERTIFICATE FUND: SUMMARY OF TRANSACTIONS

[All figures in millions and tenths of millions of dollars]

| Federal reserve agent at— | Balance<br>Jan. 1 | With-<br>drawals <sup>1</sup> | Deposits <sup>1</sup> | Transfers<br>to bank | Transfers<br>from bank | Balance<br>Dec. 31 |
|---------------------------|-------------------|-------------------------------|-----------------------|----------------------|------------------------|--------------------|
| <b>All F. R. banks:</b>   |                   |                               |                       |                      |                        |                    |
| 1919.....                 | 928.5             | 1,011.4                       | 165.0                 | 675.4                | 1,479.6                | 886.3              |
| 1920.....                 | 886.3             | 1,060.7                       | 451.4                 | 498.6                | 1,118.3                | 806.7              |
| 1921.....                 | 896.7             | 1,589.5                       | 1,023.9               | 587.4                | 1,651.2                | 1,394.9            |
| 1922.....                 | 1,394.9           | 924.0                         | 492.9                 | 609.5                | 1,326.8                | 1,681.1            |
| 1923.....                 | 1,681.1           | 755.0                         | 148.5                 | 565.7                | 1,140.0                | 1,648.9            |
| 1924.....                 | 1,648.9           | 626.0                         | 148.5                 | 1,022.8              | 1,158.3                | 1,307.9            |
| 1925.....                 | 1,307.9           | 559.8                         | 126.0                 | 975.6                | 1,061.7                | 960.2              |
| 1926.....                 | 960.2             | 568.2                         | 112.3                 | 1,799.4              | 2,258.5                | 963.4              |
| 1927.....                 | 963.4             | 454.2                         | 63.3                  | 2,458.4              | 2,014.3                | 1,028.3            |
| 1928.....                 | 1,028.3           | 475.6                         | 70.5                  | 1,631.4              | 1,768.1                | 761.9              |
| 1929.....                 | 761.9             | 358.5                         | 149.9                 | 1,500.6              | 2,210.2                | 1,262.9            |
| 1930.....                 | 1,262.9           | —                             | .5                    | 1,101.7              | 947.8                  | 1,109.4            |
| 1931.....                 | 1,109.4           | 1.0                           | 1.3                   | 1,678.5              | 1,819.5                | 1,250.7            |
| 1932.....                 | 1,250.7           | —                             | 4.0                   | 3,101.6              | 3,084.5                | 1,237.0            |
| 1933.....                 | 1,237.0           | —                             | 4.0                   | 4,030.3              | 3,938.5                | 1,149.7            |
| 1934.....                 | 1,149.7           | —                             | 1.0                   | 1,008.3              | 2,458.3                | 2,605.7            |
| 1935.....                 | 2,605.7           | —                             | .5                    | 864.0                | 2,223.7                | 3,965.8            |
| Boston.....               | 290.6             | —                             | —                     | —                    | 57.0                   | 356.6              |
| New York.....             | 596.5             | —                             | —                     | —                    | 342.2                  | 938.7              |
| Philadelphia.....         | 160.4             | —                             | —                     | 09.0                 | 198.7                  | 290.0              |
| Cleveland.....            | 202.5             | —                             | .5                    | 74.5                 | 247.9                  | 376.4              |
| Richmond.....             | 146.3             | —                             | —                     | 108.3                | 139.0                  | 176.0              |
| Atlanta.....              | 77.7              | —                             | —                     | 49.0                 | 105.0                  | 133.7              |
| Chicago.....              | 505.4             | —                             | —                     | 81.2                 | 486.8                  | 911.0              |
| St. Louis.....            | 132.6             | —                             | —                     | 181.0                | 198.0                  | 199.6              |
| Minneapolis.....          | 110.0             | —                             | —                     | 66.0                 | 62.5                   | 106.5              |
| Kansas City.....          | 108.8             | —                             | —                     | 43.0                 | 69.3                   | 135.0              |
| Dallas.....               | 62.7              | —                             | —                     | 92.0                 | 112.3                  | 83.0               |
| San Francisco.....        | 203.3             | —                             | —                     | 119.0                | 205.0                  | 289.3              |

<sup>1</sup> Withdrawals from and deposits in the Federal reserve agents' gold fund, other than transfers to or from bank, practically ceased with the discontinuance of the agents' gold redemption fund in August 1929.

Source: Board of Governors of the Federal Reserve System.

# No. 244.—FEDERAL RESERVE INTER-DISTRICT SETTLEMENT FUND: SUMMARY OF TRANSACTIONS THROUGH THE FUND, 1919 TO 1935

[All figures in millions and tenths of millions of dollars]

| Year      | Balance<br>at begin-<br>ning of<br>period | Daily settlements<br>between Federal<br>Reserve banks |                                         | Inter-<br>reserve<br>bank<br>transfers | With-<br>drawals | Deposits | Balance<br>at end<br>of period |
|-----------|-------------------------------------------|-------------------------------------------------------|-----------------------------------------|----------------------------------------|------------------|----------|--------------------------------|
|           |                                           | Transit<br>clearings                                  | Federal<br>reserve<br>note<br>clearings |                                        |                  |          |                                |
| 1919..... | 401.9                                     | 66,053.4                                              | (1)                                     | 7,930.9                                | 1,871.9          | 1,799.7  | 329.7                          |
| 1920..... | 329.7                                     | 85,074.2                                              | (1)                                     | 7,551.6                                | 1,658.0          | 1,685.5  | 357.3                          |
| 1921..... | 357.3                                     | 64,934.8                                              | (1)                                     | 3,289.1                                | 2,303.2          | 2,468.0  | 522.1                          |
| 1922..... | 522.1                                     | 75,336.0                                              | (1)                                     | 1,154.0                                | 1,793.0          | 1,825.3  | 554.4                          |
| 1923..... | 554.4                                     | 89,614.7                                              | (1)                                     | 1,039.2                                | 1,764.3          | 1,781.1  | 571.1                          |
| 1924..... | 571.1                                     | 97,698.3                                              | (1)                                     | 919.6                                  | 1,921.8          | 2,030.2  | 679.5                          |
| 1925..... | 679.5                                     | 108,239.5                                             | (1)                                     | 909.0                                  | 1,779.0          | 1,788.6  | 689.2                          |
| 1926..... | 689.2                                     | 115,465.3                                             | 935.8                                   | 1,043.4                                | 3,029.2          | 3,005.3  | 665.3                          |
| 1927..... | 665.3                                     | 123,031.5                                             | 673.2                                   | 1,436.7                                | 3,797.3          | 3,660.3  | 528.2                          |
| 1928..... | 528.2                                     | 132,525.2                                             | 658.4                                   | 1,172.6                                | 2,855.6          | 3,014.4  | 687.0                          |
| 1929..... | 687.0                                     | 145,132.4                                             | 753.7                                   | 1,052.1                                | 3,160.3          | 2,984.6  | 511.2                          |
| 1930..... | 511.2                                     | 151,468.3                                             | 669.4                                   | 1,530.2                                | 2,063.2          | 1,970.0  | 417.4                          |
| 1931..... | 417.4                                     | 124,137.3                                             | 540.1                                   | 1,905.0                                | 2,729.0          | 2,625.7  | 314.1                          |
| 1932..... | 314.1                                     | 89,527.6                                              | 545.4                                   | 1,648.4                                | 4,156.6          | 4,182.8  | 340.3                          |
| 1933..... | 340.3                                     | 75,725.4                                              | 614.4                                   | 2,575.0                                | 4,548.6          | 4,828.5  | 618.2                          |
| 1934..... | 618.2                                     | 80,816.0                                              | 602.9                                   | 2,084.0                                | 2,016.4          | 3,116.3  | 1,718.3                        |
| 1935..... | 1,718.3                                   | 91,026.6                                              | 644.0                                   | 1,472.0                                | 2,277.5          | 4,131.2  | 3,572.0                        |

<sup>1</sup> Included in transit clearings.

Source: Board of Governors of the Federal Reserve System.

# No. 245.—FEDERAL RESERVE INTER-DISTRICT SETTLEMENT FUND: SUMMARY OF TRANSACTIONS THROUGH THE FUND, BY DISTRICTS, 1935

[All figures in millions and tenths of millions of dollars]

| Federal Reserve bank | Balance Jan. 1 | Daily settlements between Federal Reserve banks |            |                                |           | Interreserve bank transfers |           | Withdrawals | Deposits  | Balance in fund at close of business Dec. 31 |
|----------------------|----------------|-------------------------------------------------|------------|--------------------------------|-----------|-----------------------------|-----------|-------------|-----------|----------------------------------------------|
|                      |                | Transit clearings                               |            | Federal Reserve note clearings |           |                             |           |             |           |                                              |
|                      |                | Pay-ments                                       | Receipts   | Pay-ments                      | Re-ceipts | Pay-ments                   | Re-ceipts |             |           |                                              |
| Total.....           | 1, 718. 3      | 91, 026. 6                                      | 91, 026. 6 | 644. 0                         | 644. 0    | 1, 472. 0                   | 1, 472. 0 | 2, 277. 6   | 4, 131. 2 | 3, 572. 0                                    |
| Boston.....          | 69. 5          | 6, 141. 6                                       | 6, 334. 6  | 57. 7                          | 46. 2     | 124. 0                      | 38. 5     | 62. 5       | 67. 3     | 160. 2                                       |
| New York.....        | 973. 5         | 28, 689. 8                                      | 29, 990. 3 | 143. 1                         | 138. 3    | 815. 5                      | 98. 0     | 353. 9      | 1, 214. 6 | 2, 382. 3                                    |
| Philadelphia.....    | 48. 1          | 6, 920. 0                                       | 6, 851. 7  | 60. 9                          | 63. 9     | 50. 0                       | 103. 5    | 199. 8      | 252. 7    | 80. 2                                        |
| Cleveland.....       | 91. 9          | 6, 957. 0                                       | 7, 153. 1  | 71. 8                          | 48. 7     | 109. 0                      | 23. 0     | 250. 2      | 210. 8    | 139. 4                                       |
| Richmond.....        | 38. 9          | 6, 062. 7                                       | 6, 060. 7  | 49. 8                          | 45. 5     | 61. 0                       | 85. 5     | 148. 0      | 140. 3    | 56. 0                                        |
| Atlanta.....         | 29. 0          | 3, 248. 4                                       | 3, 017. 5  | 27. 2                          | 58. 4     | 50. 5                       | 114. 5    | 106. 5      | 254. 7    | 39. 6                                        |
| Chicago.....         | 209. 2         | 13, 415. 7                                      | 13, 271. 8 | 92. 4                          | 96. 3     | 159. 5                      | 309. 5    | 489. 3      | 704. 3    | 431. 3                                       |
| St. Louis.....       | 51. 8          | 6, 276. 2                                       | 5, 061. 1  | 37. 4                          | 47. 8     | 22. 5                       | 121. 5    | 199. 0      | 309. 3    | 50. 5                                        |
| Minneapolis.....     | 20. 8          | 2, 006. 7                                       | 1, 737. 6  | 27. 7                          | 20. 6     | 8. 0                        | 163. 5    | 63. 4       | 184. 5    | 30. 2                                        |
| Kansas City.....     | 62. 8          | 4, 873. 6                                       | 4, 514. 1  | 32. 2                          | 27. 1     | 14. 0                       | 210. 5    | 70. 7       | 229. 8    | 53. 7                                        |
| Dallas.....          | 43. 3          | 3, 281. 8                                       | 3, 196. 2  | 22. 5                          | 14. 7     | 26. 0                       | 56. 0     | 113. 2      | 179. 5    | 45. 9                                        |
| San Francisco.....   | 83. 5          | 4, 153. 1                                       | 3, 861. 9  | 21. 5                          | 38. 5     | 23. 0                       | 148. 0    | 221. 0      | 383. 5    | 96. 8                                        |

Source: Board of Governors of the Federal Reserve System.

# No. 246.—FEDERAL RESERVE BANKS: PROFIT AND LOSS ACCOUNT

[All figures in thousands of dollars]

| Bank and year              | Gross earnings | Net earnings    | Dividend payments | Franchise tax to Government <sup>1</sup> | Carried to surplus  | Capital and surplus, Dec. 31 | Paid U. S. Treasurer (sec. 13-b) |
|----------------------------|----------------|-----------------|-------------------|------------------------------------------|---------------------|------------------------------|----------------------------------|
| All Federal Reserve banks: |                |                 |                   |                                          |                     |                              |                                  |
| 1923                       | 50,709         | 12,711          | 6,553             | 3,813                                    | 2,546               | \$31,060                     | -----                            |
| 1924                       | 38,340         | 3,718           | 6,982             | 114                                      | <sup>2</sup> 3,073  | 329,876                      | -----                            |
| 1925                       | 41,801         | 9,449           | 6,916             | 59                                       | 2,474               | 337,547                      | -----                            |
| 1926                       | 47,600         | 16,612          | 7,329             | 818                                      | 8,464               | 353,589                      | -----                            |
| 1927                       | 43,024         | 13,048          | 7,754             | 250                                      | 5,044               | 365,800                      | -----                            |
| 1928                       | 64,053         | 32,122          | 8,458             | 2,585                                    | 21,079              | 401,334                      | -----                            |
| 1929                       | 70,956         | 36,403          | 9,584             | 4,283                                    | 22,536              | 447,909                      | -----                            |
| 1930                       | 36,424         | 7,988           | 10,266            | 17                                       | <sup>2</sup> 2,293  | 444,276                      | -----                            |
| 1931                       | 29,701         | 3,972           | 10,030            | -----                                    | <sup>2</sup> 7,053  | 419,989                      | -----                            |
| 1932                       | 50,019         | 22,314          | 9,282             | 2,011                                    | <sup>2</sup> 11,021 | 429,891                      | -----                            |
| 1933                       | 49,487         | 7,957           | 8,874             | -----                                    | <sup>2</sup> 917    | 422,375                      | -----                            |
| 1934                       | 48,903         | 15,231          | 8,782             | -----                                    | 6,450               | 209,687                      | -----                            |
| 1935                       | 42,762         | 9,437           | 8,505             | -----                                    | 641                 | 300,245                      | 201                              |
| Boston                     | 2,727          | 670             | 622               | -----                                    | 2                   | 22,208                       | 46                               |
| New York                   | 13,131         | 4,336           | 3,411             | -----                                    | 861                 | 109,575                      | 64                               |
| Philadelphia               | 3,124          | 868             | 856               | -----                                    | 30                  | 27,866                       | 42                               |
| Cleveland                  | 3,675          | 781             | 772               | -----                                    | -----               | 27,677                       | 9                                |
| Richmond                   | 2,232          | 383             | 294               | -----                                    | 27                  | 13,139                       | 67                               |
| Atlanta                    | 1,673          | 346             | 261               | -----                                    | 76                  | 10,538                       | 9                                |
| Chicago                    | 6,178          | 771             | 753               | -----                                    | -----               | 34,789                       | 18                               |
| St. Louis                  | 1,850          | 235             | 236               | -----                                    | <sup>2</sup> 1      | 8,958                        | -----                            |
| Minneapolis                | 1,456          | <sup>4</sup> 69 | 185               | -----                                    | <sup>2</sup> 271    | 7,151                        | 17                               |
| Kansas City                | 1,947          | 240             | 240               | -----                                    | -----               | 8,071                        | -----                            |
| Dallas                     | 1,507          | 267             | 238               | -----                                    | 10                  | 8,812                        | 19                               |
| San Francisco              | 3,252          | 604             | 637               | -----                                    | 33                  | 20,864                       | -----                            |

<sup>1</sup> The Banking Act of 1933 eliminated the provision in the Federal Reserve Act for the payment of a franchise tax.

<sup>2</sup> Withdrawn from surplus account.

<sup>3</sup> Exclusive of a reserve of \$8,158,000 for depreciation on U. S. bonds charged to surplus and returned direct to surplus at the end of 1931 and 1932, respectively.

<sup>4</sup> Deficit.

Source: Board of Governors of the Federal Reserve System.

# No. 247.—REPORTING MEMBER BANKS IN 101 LEADING CITIES: PRINCIPAL ASSETS AND LIABILITIES

NOTE.—In millions of dollars. Data are monthly averages of weekly figures. They represent a continuation of the 101 cities series published in previous issues of this report. Figures were considerably affected in March 1933 by the closing of a number of large banks in 11 of the cities included and from March 1933 until the middle of 1934 by the reopening of old banks or the beginning of reports by new successor banks in these cities. These changes, however, reflect the course of banking developments during this period.

| Year and month | Loans and investments, total | Loans  |                        |                   |                                      |                                  | Investments     |        |                         |                  |                  | Demand deposits adjusted <sup>1</sup> | Time deposits excl. inter-bank <sup>2</sup> |
|----------------|------------------------------|--------|------------------------|-------------------|--------------------------------------|----------------------------------|-----------------|--------|-------------------------|------------------|------------------|---------------------------------------|---------------------------------------------|
|                |                              | Total  | To brokers and dealers |                   | To others on securities <sup>3</sup> | Acceptances and commercial paper | All other loans | Total  | U. S. Govt. obligations |                  | Other securities |                                       |                                             |
|                |                              |        | In New York            | Out-side New York |                                      |                                  |                 |        | Direct                  | Fully guaranteed |                  |                                       |                                             |
| 1929:          |                              |        |                        |                   |                                      |                                  |                 |        |                         |                  |                  |                                       |                                             |
| June.....      | 22,231                       | 16,480 | 1,226                  | 805               | 5,300                                |                                  | 9,149           | 5,751  | 2,913                   |                  | 2,838            | 13,001                                | 6,739                                       |
| Dec.....       | 23,012                       | 17,444 | 1,116                  | 702               | 6,150                                |                                  | 9,476           | 5,567  | 2,704                   |                  | 2,864            | 13,774                                | 6,727                                       |
| 1930:          |                              |        |                        |                   |                                      |                                  |                 |        |                         |                  |                  |                                       |                                             |
| June.....      | 23,024                       | 17,048 | 2,358                  | 697               | 5,506                                |                                  | 8,487           | 5,977  | 2,825                   |                  | 3,151            | 13,631                                | 7,211                                       |
| Dec.....       | 23,117                       | 16,332 | 1,420                  | 620               | 5,735                                |                                  | 8,557           | 6,784  | 3,120                   |                  | 3,664            | 13,839                                | 7,221                                       |
| 1931:          |                              |        |                        |                   |                                      |                                  |                 |        |                         |                  |                  |                                       |                                             |
| Mar.....       | 22,839                       | 15,452 | 1,442                  | 518               | 5,342                                |                                  | 8,150           | 7,387  | 3,638                   |                  | 3,749            | 13,678                                | 7,266                                       |
| June.....      | 22,439                       | 14,623 | 1,131                  | 485               | 5,154                                |                                  | 7,853           | 7,810  | 4,048                   |                  | 3,768            | 13,425                                | 7,258                                       |
| Sept.....      | 22,078                       | 14,283 | 955                    | 462               | 4,906                                |                                  | 7,870           | 7,795  | 4,154                   |                  | 3,641            | 13,137                                | 6,892                                       |
| Dec.....       | 20,749                       | 13,204 | 527                    | 375               | 4,861                                |                                  | 7,441           | 7,545  | 4,127                   |                  | 3,418            | 12,024                                | 6,013                                       |
| 1932:          |                              |        |                        |                   |                                      |                                  |                 |        |                         |                  |                  |                                       |                                             |
| Mar.....       | 19,434                       | 12,375 | 429                    | 320               | 4,639                                |                                  | 6,987           | 7,059  | 3,866                   |                  | 3,193            | 10,950                                | 5,691                                       |
| June.....      | 18,877                       | 11,420 | 293                    | 280               | 4,288                                |                                  | 6,609           | 7,457  | 4,200                   |                  | 3,257            | 11,013                                | 5,599                                       |
| Sept.....      | 18,739                       | 10,753 | 330                    | 257               | 3,937                                |                                  | 6,229           | 7,986  | 4,759                   |                  | 3,227            | 11,143                                | 5,625                                       |
| Dec.....       | 18,840                       | 10,340 | 323                    | 235               | 3,761                                |                                  | 6,021           | 8,500  | 5,220                   |                  | 3,280            | 11,688                                | 5,648                                       |
| 1933:          |                              |        |                        |                   |                                      |                                  |                 |        |                         |                  |                  |                                       |                                             |
| Jan.....       | 18,665                       | 10,126 | 327                    | 231               | 3,666                                |                                  | 5,902           | 8,539  | 5,260                   |                  | 3,279            | 11,902                                | 5,691                                       |
| Feb.....       | 18,532                       | 10,036 | 362                    | 221               | 3,634                                |                                  | 5,819           | 8,496  | 5,206                   |                  | 3,290            | 11,609                                | 5,595                                       |
| Mar.....       | 16,794                       | 8,910  | 320                    | 213               | 3,396                                |                                  | 4,982           | 7,878  | 4,717                   |                  | 3,161            | 9,627                                 | 4,766                                       |
| Apr.....       | 16,596                       | 8,670  | 326                    | 201               | 3,222                                |                                  | 4,921           | 7,926  | 4,788                   |                  | 3,138            | 10,369                                | 4,666                                       |
| May.....       | 17,096                       | 8,880  | 508                    | 189               | 3,169                                |                                  | 5,014           | 8,216  | 5,128                   |                  | 3,088            | 10,975                                | 4,555                                       |
| June.....      | 17,415                       | 8,986  | 689                    | 172               | 3,075                                |                                  | 5,050           | 8,429  | 5,362                   |                  | 3,067            | 11,306                                | 4,700                                       |
| July.....      | 17,560                       | 9,103  | 857                    | 170               | 3,001                                |                                  | 5,075           | 8,457  | 5,378                   |                  | 3,069            | 11,704                                | 4,827                                       |
| Aug.....       | 17,494                       | 9,058  | 816                    | 166               | 2,988                                |                                  | 5,088           | 8,436  | 5,386                   |                  | 3,060            | 10,865                                | 4,952                                       |
| Sept.....      | 17,432                       | 9,081  | 790                    | 183               | 2,967                                |                                  | 5,156           | 8,401  | 5,388                   |                  | 3,059            | 10,958                                | 4,928                                       |
| Oct.....       | 17,462                       | 9,114  | 728                    | 172               | 2,941                                |                                  | 5,273           | 8,348  | 5,261                   | 3,087            | 11,061           | 10,612                                | 4,912                                       |
| Nov.....       | 17,630                       | 9,092  | 669                    | 171               | 2,934                                |                                  | 5,318           | 8,538  | 5,433                   | 3,105            | 11,128           | 10,902                                | 4,902                                       |
| Dec.....       | 17,589                       | 8,984  | 707                    | 164               | 2,925                                |                                  | 5,188           | 8,605  | 5,534                   | 3,071            | 11,248           | 10,802                                | 4,802                                       |
| 1934:          |                              |        |                        |                   |                                      |                                  |                 |        |                         |                  |                  |                                       |                                             |
| Jan.....       | 17,593                       | 8,801  | 747                    | 147               | 2,849                                |                                  | 5,058           | 8,792  | 5,692                   | 3,100            | 11,583           | 4,820                                 | 4,820                                       |
| Feb.....       | 18,333                       | 8,794  | 830                    | 152               | 2,782                                |                                  | 5,030           | 9,539  | 6,469                   | 3,070            | 11,821           | 4,836                                 | 4,836                                       |
| Mar.....       | 18,556                       | 8,711  | 834                    | 166               | 2,731                                |                                  | 4,980           | 9,845  | 6,686                   | 3,159            | 12,254           | 4,872                                 | 4,872                                       |
| Apr.....       | 18,559                       | 8,722  | 927                    | 174               | 2,656                                |                                  | 4,965           | 9,837  | 6,622                   | 3,215            | 12,737           | 4,911                                 | 4,911                                       |
| May.....       | 18,385                       | 8,561  | 886                    | 171               | 2,634                                |                                  | 4,870           | 9,804  | 6,657                   | 3,147            | 12,925           | 4,945                                 | 4,945                                       |
| June.....      | 18,627                       | 8,547  | 958                    | 182               | 2,586                                |                                  | 4,821           | 10,080 | 6,881                   | 3,199            | 13,148           | 4,969                                 | 4,969                                       |
| July.....      | 18,920                       | 8,470  | 990                    | 183               | 2,528                                |                                  | 4,769           | 10,450 | 7,182                   | 3,268            | 13,329           | 5,020                                 | 5,020                                       |
| Aug.....       | 18,931                       | 8,307  | 778                    | 171               | 2,510                                | 4,848                            |                 | 10,624 | 7,181                   | 3,443            | 13,503           | 5,032                                 | 5,032                                       |
| Sept.....      | 18,977                       | 8,308  | 738                    | 162               | 2,348                                | 457                              | 4,593           | 10,669 | 7,118                   | 598              | 10,922           | 4,882                                 | 4,882                                       |
| Oct.....       | 19,056                       | 8,295  | 707                    | 157               | 2,311                                | 480                              | 4,641           | 10,761 | 7,182                   | 501              | 11,560           | 4,869                                 | 4,869                                       |
| Nov.....       | 18,989                       | 8,183  | 675                    | 157               | 2,286                                | 477                              | 4,588           | 10,806 | 7,243                   | 601              | 12,962           | 4,833                                 | 4,833                                       |
| Dec.....       | 19,345                       | 8,196  | 747                    | 168               | 2,289                                | 457                              | 4,535           | 11,149 | 7,545                   | 618              | 12,986           | 4,761                                 | 4,761                                       |
| 1935:          |                              |        |                        |                   |                                      |                                  |                 |        |                         |                  |                  |                                       |                                             |
| Jan.....       | 19,489                       | 8,061  | 743                    | 172               | 2,242                                | 449                              | 4,455           | 11,428 | 7,795                   | 657              | 2,976            | 4,833                                 | 4,833                                       |
| Feb.....       | 19,514                       | 8,024  | 716                    | 171               | 2,220                                | 438                              | 4,480           | 11,490 | 7,791                   | 705              | 2,991            | 4,866                                 | 4,876                                       |
| Mar.....       | 19,761                       | 8,140  | 811                    | 183               | 2,210                                | 428                              | 4,508           | 11,621 | 7,845                   | 749              | 3,027            | 4,800                                 | 4,879                                       |
| Apr.....       | 19,856                       | 8,083  | 785                    | 172               | 2,168                                | 424                              | 4,534           | 11,773 | 7,909                   | 783              | 3,081            | 4,915                                 | 4,922                                       |
| May.....       | 19,814                       | 8,083  | 844                    | 177               | 2,129                                | 395                              | 4,538           | 11,731 | 7,853                   | 787              | 3,091            | 4,737                                 | 4,970                                       |
| June.....      | 19,837                       | 8,028  | 844                    | 172               | 2,117                                | 350                              | 4,545           | 11,859 | 7,910                   | 943              | 3,066            | 4,814                                 | 4,874                                       |
| July.....      | 19,909                       | 7,943  | 869                    | 173               | 2,089                                | 314                              | 4,498           | 11,966 | 7,930                   | 994              | 3,042            | 4,838                                 | 4,848                                       |
| Aug.....       | 19,825                       | 7,847  | 830                    | 165               | 2,074                                | 311                              | 4,467           | 11,978 | 7,859                   | 1,024            | 3,095            | 4,811                                 | 4,861                                       |
| Sept.....      | 20,137                       | 7,929  | 844                    | 163               | 2,065                                | 316                              | 4,541           | 12,258 | 8,045                   | 1,094            | 3,119            | 4,823                                 | 4,853                                       |
| Oct.....       | 20,355                       | 7,963  | 800                    | 159               | 2,078                                | 327                              | 4,599           | 12,392 | 8,156                   | 1,114            | 3,122            | 4,859                                 | 4,917                                       |
| Nov.....       | 20,510                       | 8,030  | 820                    | 161               | 2,081                                | 338                              | 4,630           | 12,480 | 8,291                   | 1,138            | 3,051            | 4,779                                 | 4,883                                       |
| Dec.....       | 20,769                       | 8,184  | 921                    | 174               | 2,107                                | 358                              | 4,624           | 12,685 | 8,433                   | 1,131            | 3,021            | 4,804                                 | 4,872                                       |
| 1936:          |                              |        |                        |                   |                                      |                                  |                 |        |                         |                  |                  |                                       |                                             |
| Jan.....       | 20,928                       | 8,080  | 923                    | 176               | 2,071                                | 364                              | 4,546           | 12,848 | 8,599                   | 1,155            | 3,094            | 4,824                                 | 4,892                                       |
| Feb.....       | 21,063                       | 7,981  | 901                    | 174               | 2,056                                | 352                              | 4,498           | 13,072 | 8,708                   | 1,194            | 3,170            | 4,864                                 | 4,893                                       |
| Mar.....       | 21,445                       | 8,223  | 995                    | 196               | 2,076                                | 345                              | 4,611           | 13,222 | 8,737                   | 1,247            | 3,238            | 4,881                                 | 4,923                                       |
| Apr.....       | 21,745                       | 8,361  | 1,008                  | 216               | 2,077                                | 351                              | 4,710           | 13,384 | 8,767                   | 1,273            | 3,344            | 4,982                                 | 4,971                                       |
| May.....       | 21,832                       | 8,355  | 973                    | 212               | 2,078                                | 333                              | 4,759           | 13,477 | 8,877                   | 1,286            | 3,314            | 4,971                                 | 4,961                                       |

<sup>1</sup> Figures through August 1934 are "net demand deposits" and are not comparable with "demand deposits-adjusted" shown for subsequent months, which represent demand deposits other than interbank and U. S. Government less cash items reported on hand or in process of collection. Net demand deposits for September 1934 were \$13,729,000,000. For a detailed discussion of these two series, see Federal Reserve Bulletin for November 1935.

<sup>2</sup> Figures prior to September 1934, include a relatively small amount of time balances of banks.

<sup>3</sup> Exclusive of loans to banks beginning with September 1934.

Source: Board of Governors of the Federal Reserve System.

[All figures, except number of banks, in millions of dollars]

| Call date (Dec. 31, except as indicated) | Loans and investments |        |             |                                |                   | Re-serve with Federal Reserve banks | Cash in vault | Bal-ances with do-mestic banks <sup>1</sup> | Deposits |                 |                   |             |                  | De-mand depos-its ad-justed <sup>2</sup> | Net de-mand depos-its sub-ject to reserve | Bills pay-able and redis-counts | Cap-ital ac-count <sup>3</sup> | Num-ber of banks |           |       |
|------------------------------------------|-----------------------|--------|-------------|--------------------------------|-------------------|-------------------------------------|---------------|---------------------------------------------|----------|-----------------|-------------------|-------------|------------------|------------------------------------------|-------------------------------------------|---------------------------------|--------------------------------|------------------|-----------|-------|
|                                          | Total                 | Loans  | Investments |                                |                   |                                     |               |                                             | Total    | Inter-bank      |                   | U. S. Govt. | Postal sav-ings  |                                          |                                           |                                 |                                |                  | All other |       |
|                                          |                       |        | Total       | U. S. Govt. direct obligations | Other secur-ities |                                     |               |                                             |          | Do-mestic banks | For-foreign banks |             |                  |                                          |                                           |                                 |                                |                  | De-mand   | Time  |
| All member banks:                        |                       |        |             |                                |                   |                                     |               |                                             |          |                 |                   |             |                  |                                          |                                           |                                 |                                |                  |           |       |
| 1920 (Dec. 29)                           | 25,531                | 19,555 | 5,976       | 2,619                          | 3,357             | 1,763                               | 678           | 1,577                                       | 24,220   | 3,062           |                   | 316         | ( <sup>4</sup> ) | 14,653                                   | 6,188                                     | 13,053                          | 15,345                         | 3,036            | 4,120     | 9,606 |
| 1924                                     | 28,746                | 19,933 | 8,813       | 3,874                          | 4,939             | 2,228                               | 597           | 2,339                                       | 32,384   | 4,504           |                   | 242         | 98               | 17,832                                   | 9,707                                     | 15,038                          | 18,468                         | 408              | 4,532     | 9,587 |
| 1925                                     | 30,384                | 21,996 | 8,888       | 3,728                          | 5,160             | 2,238                               | 575           | 2,155                                       | 34,250   | 4,169           |                   | 304         | 96               | 19,124                                   | 10,567                                    | 15,943                          | 19,260                         | 733              | 4,678     | 9,489 |
| 1926                                     | 31,642                | 22,652 | 8,990       | 3,859                          | 5,001             | 2,210                               | 523           | 2,008                                       | 34,528   | 4,003           |                   | 234         | 100              | 18,552                                   | 11,340                                    | 15,783                          | 18,922                         | 760              | 4,944     | 9,260 |
| 1927                                     | 34,247                | 23,886 | 10,301      | 3,978                          | 6,383             | 2,514                               | 523           | 2,210                                       | 36,657   | 3,808           | 733               | 267         | 107              | 19,083                                   | 12,658                                    | 16,590                          | 20,105                         | 663              | 5,341     | 9,094 |
| 1928                                     | 35,684                | 25,155 | 10,529      | 4,312                          | 6,217             | 2,409                               | 584           | 2,124                                       | 39,067   | 3,773           | 335               | 262         | 134              | 21,167                                   | 13,105                                    | 18,503                          | 19,944                         | 1,162            | 5,899     | 8,837 |
| 1929                                     | 35,934                | 26,150 | 9,784       | 3,863                          | 5,921             | 2,374                               | 558           | 2,168                                       | 37,961   | 3,612           | 698               | 143         | 122              | 20,543                                   | 12,862                                    | 16,647                          | 19,797                         | 879              | 6,709     | 8,522 |
| 1930                                     | 34,800                | 23,870 | 10,989      | 4,125                          | 6,864             | 2,476                               | 593           | 2,456                                       | 37,020   | 3,080           | 784               | 267         | 189              | 18,796                                   | 13,012                                    | 15,869                          | 18,969                         | 355              | 6,593     | 8,052 |
| 1931                                     | 30,575                | 19,261 | 11,314      | 5,319                          | 5,996             | 1,975                               | 523           | 1,662                                       | 30,711   | 2,395           | 425               | 412         | 463              | 15,753                                   | 10,764                                    | 13,658                          | 16,067                         | 839              | 5,999     | 7,246 |
| 1932                                     | 27,469                | 15,204 | 12,265      | 6,540                          | 5,726             | 2,511                               | 423           | 2,416                                       | 28,690   | 3,695           | 245               | 475         | 708              | 13,813                                   | 9,753                                     | 12,691                          | 15,193                         | 547              | 5,409     | 6,816 |
| 1933 (Dec. 30) <sup>4</sup>              | 25,220                | 12,833 | 12,386      | 7,254                          | 5,132             | 2,678                               | 471           | 2,031                                       | 27,167   | 3,222           | 136               | 967         | 778              | 13,807                                   | 8,258                                     | 12,674                          | 14,821                         | 143              | 4,962     | 6,011 |
| 1934                                     | 28,150                | 12,028 | 16,122      | 9,906                          | 6,216             | 4,082                               | 609           | 3,149                                       | 33,848   | 4,703           | 164               | 1,686       | 452              | 17,589                                   | 9,315                                     | 15,686                          | 18,851                         | 13               | 5,054     | 6,442 |
| 1935                                     | 29,985                | 12,175 | 17,810      | 10,501                         | 7,309             | 5,573                               | 665           | 3,739                                       | 38,454   | 5,847           | 449               | 844         | 218              | 21,056                                   | 10,041                                    | 18,801                          | 22,164                         | 7                | 5,145     | 6,387 |
| New York City:                           |                       |        |             |                                |                   |                                     |               |                                             |          |                 |                   |             |                  |                                          |                                           |                                 |                                |                  |           |       |
| 1930                                     | 8,582                 | 6,147  | 2,435       | 1,239                          | 1,197             | 899                                 | 95            | 145                                         | 9,602    | 1,386           | 645               | 37          | 38               | 6,457                                    | 1,038                                     | 4,663                           | 6,405                          | 37               | 2,045     | 43    |
| 1931                                     | 7,460                 | 4,763  | 2,697       | 1,768                          | 928               | 665                                 | 54            | 105                                         | 7,782    | 990             | 355               | 167         | 64               | 5,464                                    | 743                                       | 4,295                           | 5,661                          | 61               | 1,863     | 39    |
| 1932                                     | 7,327                 | 3,538  | 3,789       | 2,603                          | 1,186             | 1,132                               | 47            | 115                                         | 7,698    | 1,568           | 217               | 173         | 80               | 4,810                                    | 849                                       | 4,319                           | 6,020                          | 13               | 1,711     | 37    |
| 1933                                     | 6,995                 | 3,453  | 3,542       | 2,362                          | 1,179             | 903                                 | 47            | 93                                          | 7,284    | 1,201           | 118               | 422         | 107              | 4,801                                    | 634                                       | 4,325                           | 5,571                          | 5                | 1,630     | 36    |
| 1934                                     | 7,761                 | 3,159  | 4,602       | 3,246                          | 1,356             | 1,576                               | 86            | 105                                         | 9,513    | 1,799           | 193               | 792         | 56               | 6,133                                    | 595                                       | 5,069                           | 6,933                          | -----            | 1,565     | 38    |
| 1935                                     | 8,418                 | 3,434  | 4,984       | 3,425                          | 1,560             | 2,541                               | 65            | 109                                         | 10,908   | 2,338           | 414               | 224         | 3                | 7,326                                    | 603                                       | 6,193                           | 9,055                          | -----            | 1,573     | 38    |
| Chicago:                                 |                       |        |             |                                |                   |                                     |               |                                             |          |                 |                   |             |                  |                                          |                                           |                                 |                                |                  |           |       |
| 1930                                     | 1,861                 | 1,344  | 518         | 240                            | 277               | 210                                 | 11            | 194                                         | 2,047    | 383             | 49                | 25          | 5                | 1,120                                    | 464                                       | 1,010                           | 1,242                          | -----            | 320       | 14    |
| 1931                                     | 1,517                 | 1,038  | 480         | 288                            | 191               | 160                                 | 13            | 122                                         | 1,624    | 285             | 33                | 16          | 17               | 913                                      | 360                                       | 826                             | 1,034                          | -----            | 270       | 12    |
| 1932                                     | 1,045                 | 631    | 414         | 228                            | 186               | 284                                 | 18            | 294                                         | 1,509    | 291             | 4                 | 18          | 11               | 888                                      | 296                                       | 838                             | 926                            | -----            | 195       | 11    |
| 1933                                     | 1,259                 | 604    | 655         | 386                            | 269               | 345                                 | 45            | 200                                         | 1,720    | 270             | 2                 | 41          | 5                | 1,049                                    | 354                                       | 984                             | 1,083                          | -----            | 203       | 28    |
| 1934                                     | 1,581                 | 532    | 1,049       | 743                            | 306               | 415                                 | 40            | 207                                         | 2,154    | 445             | 2                 | 46          | 1                | 1,278                                    | 381                                       | 1,189                           | 1,448                          | -----            | 226       | 18    |
| 1935                                     | 1,868                 | 476    | 1,392       | 1,061                          | 331               | 511                                 | 39            | 199                                         | 2,574    | 522             | 4                 | 98          | 2                | 1,536                                    | 413                                       | 1,401                           | 1,827                          | -----            | 229       | 14    |
| Other Reserve cities:                    |                       |        |             |                                |                   |                                     |               |                                             |          |                 |                   |             |                  |                                          |                                           |                                 |                                |                  |           |       |
| 1930                                     | 11,897                | 8,379  | 3,517       | 1,486                          | 2,031             | 771                                 | 169           | 1,142                                       | 13,029   | 1,814           | 88                | 152         | 59               | 5,847                                    | 5,070                                     | 5,082                           | 6,042                          | 75               | 1,999     | 402   |
| 1931                                     | 10,598                | 6,852  | 3,746       | 1,844                          | 1,902             | 652                                 | 154           | 751                                         | 10,889   | 1,319           | 35                | 169         | 202              | 4,959                                    | 4,206                                     | 4,339                           | 5,121                          | 337              | 1,886     | 352   |
| 1932                                     | 9,489                 | 5,542  | 3,948       | 2,234                          | 1,714             | 646                                 | 126           | 1,240                                       | 10,375   | 1,565           | 22                | 211         | 333              | 4,422                                    | 3,818                                     | 4,005                           | 4,606                          | 115              | 1,720     | 322   |
| 1933                                     | 8,898                 | 4,553  | 4,344       | 2,823                          | 1,522             | 857                                 | 153           | 969                                         | 9,932    | 1,487           | 15                | 393         | 366              | 4,457                                    | 3,214                                     | 4,037                           | 4,722                          | 16               | 1,595     | 299   |
| 1934                                     | 10,028                | 4,312  | 5,715       | 3,809                          | 1,907             | 1,268                               | 207           | 1,543                                       | 12,297   | 2,101           | 17                | 620         | 186              | 5,673                                    | 3,699                                     | 5,136                           | 6,043                          | -----            | 1,614     | 328   |
| 1935                                     | 10,780                | 4,347  | 6,432       | 4,076                          | 2,357             | 1,594                               | 256           | 1,758                                       | 14,023   | 2,566           | 20                | 385         | 79               | 6,912                                    | 4,062                                     | 6,161                           | 7,294                          | -----            | 1,657     | 336   |

## Country banks:

|                |        |       |       |       |       |       |     |       |        |       |     |     |     |       |       |       |        |     |       |       |
|----------------|--------|-------|-------|-------|-------|-------|-----|-------|--------|-------|-----|-----|-----|-------|-------|-------|--------|-----|-------|-------|
| 1930.....      | 12,519 | 8,001 | 4,519 | 1,159 | 3,359 | 595   | 317 | 975   | 12,351 | 397   | 2   | 53  | 88  | 5,372 | 6,440 | 5,114 | 5,280  | 244 | 2,228 | 7,588 |
| 1931.....      | 10,999 | 6,608 | 4,392 | 1,418 | 2,974 | 498   | 302 | 635   | 10,417 | 302   | 2   | 61  | 179 | 4,418 | 5,455 | 4,197 | 4,351  | 441 | 1,980 | 6,843 |
| 1932.....      | 9,607  | 5,493 | 4,114 | 1,474 | 2,640 | 448   | 232 | 767   | 9,108  | 271   | 1   | 72  | 279 | 3,693 | 4,790 | 3,530 | 3,641  | 418 | 1,783 | 6,446 |
| 1933.....      | 8,068  | 4,223 | 3,845 | 1,683 | 2,162 | 573   | 225 | 769   | 8,230  | 263   | 1   | 111 | 300 | 3,500 | 4,056 | 3,328 | 3,446  | 123 | 1,533 | 5,648 |
| 1934.....      | 8,780  | 4,025 | 4,756 | 2,108 | 2,647 | 822   | 275 | 1,296 | 9,886  | 358   | 2   | 178 | 210 | 4,499 | 4,639 | 4,292 | 4,427  | 13  | 1,650 | 6,058 |
| 1935.....      | 8,919  | 3,918 | 5,002 | 1,940 | 3,062 | 927   | 305 | 1,672 | 10,949 | 431   | 1   | 137 | 136 | 5,282 | 4,962 | 5,047 | 3,988  | 6   | 1,687 | 5,999 |
| By districts:  |        |       |       |       |       |       |     |       |        |       |     |     |     |       |       |       |        |     |       |       |
| Boston:        |        |       |       |       |       |       |     |       |        |       |     |     |     |       |       |       |        |     |       |       |
| 1934.....      | 1,885  | 971   | 913   | 550   | 364   | 253   | 95  | 178   | 2,195  | 221   | 3   | 113 | 12  | 1,151 | 695   | 1,058 | 1,206  | 1   | 369   | 371   |
| 1935.....      | 1,864  | 932   | 932   | 529   | 403   | 330   | 128 | 214   | 2,359  | 272   | 9   | 25  | 8   | 1,354 | 691   | 1,261 | 1,342  | --- | 374   | 365   |
| New York:      |        |       |       |       |       |       |     |       |        |       |     |     |     |       |       |       |        |     |       |       |
| 1934.....      | 10,216 | 4,314 | 5,902 | 3,756 | 2,146 | 1,749 | 138 | 281   | 12,109 | 1,879 | 134 | 859 | 109 | 7,149 | 1,979 | 6,006 | 7,930  | 6   | 1,981 | 791   |
| 1935.....      | 10,855 | 4,498 | 6,357 | 3,976 | 2,381 | 2,750 | 119 | 354   | 13,661 | 2,420 | 416 | 280 | 36  | 8,485 | 2,024 | 7,274 | 10,032 | 4   | 2,004 | 793   |
| Philadelphia:  |        |       |       |       |       |       |     |       |        |       |     |     |     |       |       |       |        |     |       |       |
| 1934.....      | 2,185  | 1,012 | 1,173 | 505   | 668   | 211   | 42  | 251   | 2,382  | 274   | 2   | 93  | 45  | 1,014 | 954   | 1,148 | 1,066  | 2   | 479   | 656   |
| 1935.....      | 2,246  | 945   | 1,301 | 482   | 819   | 275   | 47  | 280   | 2,629  | 308   | 4   | 61  | 29  | 1,251 | 976   | 1,149 | 1,239  | 1   | 483   | 656   |
| Cleveland:     |        |       |       |       |       |       |     |       |        |       |     |     |     |       |       |       |        |     |       |       |
| 1934.....      | 2,366  | 944   | 1,422 | 907   | 515   | 272   | 54  | 272   | 2,648  | 260   | 1   | 91  | 43  | 1,217 | 1,036 | 1,131 | 1,263  | --- | 473   | 627   |
| 1935.....      | 2,512  | 940   | 1,571 | 957   | 614   | 327   | 62  | 327   | 3,006  | 324   | 1   | 61  | 22  | 1,453 | 1,145 | 1,343 | 1,373  | --- | 487   | 622   |
| Richmond:      |        |       |       |       |       |       |     |       |        |       |     |     |     |       |       |       |        |     |       |       |
| 1934.....      | 1,059  | 465   | 593   | 392   | 202   | 126   | 34  | 174   | 1,302  | 178   | --- | 48  | 18  | 615   | 443   | 565   | 648    | --- | 178   | 400   |
| 1935.....      | 1,104  | 462   | 643   | 337   | 256   | 165   | 38  | 229   | 1,483  | 229   | --- | 41  | 8   | 731   | 474   | 670   | 709    | --- | 182   | 404   |
| Atlanta:       |        |       |       |       |       |       |     |       |        |       |     |     |     |       |       |       |        |     |       |       |
| 1934.....      | 871    | 440   | 431   | 254   | 177   | 83    | 25  | 196   | 1,076  | 165   | 1   | 70  | 29  | 516   | 297   | 474   | 517    | 2   | 154   | 332   |
| 1935.....      | 893    | 393   | 500   | 261   | 239   | 112   | 29  | 268   | 1,255  | 238   | 1   | 51  | 20  | 628   | 316   | 576   | 596    | --- | 160   | 328   |
| Chicago:       |        |       |       |       |       |       |     |       |        |       |     |     |     |       |       |       |        |     |       |       |
| 1934.....      | 3,146  | 1,074 | 2,072 | 1,396 | 676   | 630   | 94  | 516   | 4,170  | 630   | 3   | 97  | 20  | 2,333 | 1,086 | 2,171 | 2,505  | --- | 464   | 682   |
| 1935.....      | 3,675  | 1,028 | 2,648 | 1,809 | 539   | 785   | 101 | 605   | 5,065  | 739   | 5   | 139 | 9   | 2,901 | 1,272 | 2,656 | 2,929  | --- | 483   | 702   |
| St. Louis:     |        |       |       |       |       |       |     |       |        |       |     |     |     |       |       |       |        |     |       |       |
| 1934.....      | 933    | 383   | 550   | 310   | 240   | 129   | 21  | 156   | 1,136  | 205   | --- | 38  | 17  | 563   | 313   | 520   | 625    | --- | 147   | 391   |
| 1935.....      | 967    | 390   | 577   | 283   | 294   | 158   | 24  | 206   | 1,303  | 278   | --- | 16  | 9   | 658   | 343   | 596   | 681    | --- | 149   | 390   |
| Minneapolis:   |        |       |       |       |       |       |     |       |        |       |     |     |     |       |       |       |        |     |       |       |
| 1934.....      | 699    | 263   | 435   | 250   | 185   | 97    | 14  | 177   | 897    | 141   | 1   | 10  | 14  | 412   | 319   | 392   | 431    | --- | 114   | 524   |
| 1935.....      | 734    | 308   | 428   | 236   | 190   | 96    | 16  | 175   | 977    | 131   | 1   | 10  | 8   | 491   | 337   | 454   | 422    | --- | 114   | 501   |
| Kansas City:   |        |       |       |       |       |       |     |       |        |       |     |     |     |       |       |       |        |     |       |       |
| 1934.....      | 956    | 351   | 606   | 350   | 247   | 167   | 23  | 354   | 1,396  | 335   | --- | 32  | 14  | 743   | 272   | 699   | 809    | --- | 152   | 734   |
| 1935.....      | 996    | 399   | 697   | 307   | 290   | 167   | 25  | 441   | 1,583  | 394   | --- | 19  | 5   | 873   | 292   | 803   | 785    | 1   | 157   | 726   |
| Dallas:        |        |       |       |       |       |       |     |       |        |       |     |     |     |       |       |       |        |     |       |       |
| 1934.....      | 725    | 341   | 384   | 252   | 132   | 122   | 21  | 248   | 1,010  | 162   | 1   | 72  | 16  | 581   | 178   | 551   | 583    | --- | 139   | 555   |
| 1935.....      | 740    | 345   | 395   | 208   | 187   | 124   | 24  | 300   | 1,132  | 217   | 1   | 32  | 6   | 685   | 191   | 642   | 593    | --- | 145   | 560   |
| San Francisco: |        |       |       |       |       |       |     |       |        |       |     |     |     |       |       |       |        |     |       |       |
| 1934.....      | 3,110  | 1,469 | 1,641 | 976   | 665   | 253   | 47  | 347   | 3,528  | 253   | 8   | 112 | 116 | 1,295 | 1,742 | 1,200 | 1,267  | --- | 403   | 379   |
| 1935.....      | 3,399  | 1,537 | 1,862 | 1,065 | 796   | 285   | 52  | 341   | 4,001  | 297   | 10  | 109 | 58  | 1,546 | 1,981 | 1,389 | 1,465  | --- | 408   | 350   |

<sup>1</sup> Prior to Dec. 31, 1935, excludes balances with private banks to the extent that such balances were reported in "Other assets." Prior to Dec. 31, 1933, excludes time balances with domestic banks which, on that date, amounted to \$62,000,000 and which, prior to that time, were reported in "Other assets."

<sup>2</sup> Demand deposits other than interbank and U. S. Government, less cash items reported as in process of collection and, prior to Dec. 31, 1935, less cash items reported on hand but not in process of collection.

<sup>3</sup> Aggregate book value of capital stock, capital notes and debentures, surplus, undivided profits, reserves for contingencies, etc.

<sup>4</sup> Postal savings included in time deposits.

<sup>5</sup> Beginning 1933, figures relate to licensed banks only.

Source: Board of Governors of the Federal Reserve System.

# No. 249.—ALL MEMBER BANKS OF FEDERAL RESERVE SYSTEM: NUMBER, CAPITAL AND SURPLUS, AND TOTAL RESOURCES

NOTE.—All national banks in continental United States are members of the system

| Date                             | Number of banks  |                |                    | Capital and surplus (thousands of dollars) |                |                    | Total resources (thousands of dollars) |                |                    |
|----------------------------------|------------------|----------------|--------------------|--------------------------------------------|----------------|--------------------|----------------------------------------|----------------|--------------------|
|                                  | All member banks | National banks | State member banks | All member banks                           | National banks | State member banks | All member banks                       | National banks | State member banks |
| Dec. 31, 1915.....               | 7,631            | 7,600          | 31                 | 1,828,679                                  | 1,792,509      | 36,170             | 13,740,825                             | 13,461,135     | 279,640            |
| Dec. 31, 1919.....               | 9,066            | 7,886          | 1,181              | 2,969,600                                  | 2,078,359      | 891,201            | 33,916,044                             | 23,676,048     | 10,239,996         |
| Dec. 29, 1920.....               | 9,606            | 8,125          | 1,481              | 3,325,962                                  | 2,290,939      | 1,035,023          | 33,079,016                             | 22,739,045     | 10,239,971         |
| Dec. 31, 1921.....               | 9,779            | 8,155          | 1,614              | 3,425,296                                  | 2,314,633      | 1,110,663          | 30,114,136                             | 19,935,224     | 10,178,912         |
| Dec. 29, 1922.....               | 9,859            | 8,220          | 1,639              | 3,506,681                                  | 2,391,275      | 1,115,406          | 33,582,571                             | 21,965,554     | 11,917,017         |
| Dec. 31, 1923.....               | 8,774            | 8,179          | 1,595              | 3,044,373                                  | 2,392,784      | 1,251,589          | 35,238,006                             | 22,395,303     | 12,843,303         |
| Dec. 31, 1924.....               | 9,587            | 8,043          | 1,544              | 3,744,967                                  | 2,422,256      | 1,322,711          | 38,986,807                             | 24,368,991     | 14,617,876         |
| Dec. 31, 1925.....               | 9,489            | 8,048          | 1,441              | 3,937,999                                  | 2,544,180      | 1,393,819          | 41,425,295                             | 25,839,450     | 15,585,845         |
| Dec. 31, 1926.....               | 9,260            | 7,905          | 1,354              | 4,158,796                                  | 2,626,064      | 1,532,732          | 42,020,644                             | 25,660,069     | 16,360,576         |
| Dec. 31, 1927.....               | 9,034            | 7,759          | 1,275              | 4,461,800                                  | 2,841,192      | 1,620,608          | 44,888,140                             | 28,148,557     | 16,739,583         |
| Dec. 31, 1928.....               | 8,837            | 7,629          | 1,208              | 4,914,932                                  | 3,104,700      | 1,810,232          | 48,935,648                             | 30,573,457     | 18,362,189         |
| Dec. 31, 1929.....               | 8,522            | 7,408          | 1,119              | 5,621,725                                  | 3,247,371      | 2,374,354          | 48,843,078                             | 28,839,582     | 20,003,496         |
| Dec. 31, 1930.....               | 8,052            | 7,083          | 1,019              | 5,487,242                                  | 3,265,036      | 2,222,206          | 47,067,891                             | 28,753,532     | 18,304,069         |
| Dec. 31, 1931.....               | 7,246            | 6,368          | 878                | 5,023,558                                  | 2,997,573      | 2,025,959          | 39,088,322                             | 24,618,214     | 15,070,108         |
| Dec. 31, 1932.....               | 6,816            | 6,011          | 805                | 4,553,119                                  | 2,802,274      | 1,750,845          | 36,259,926                             | 23,265,936     | 12,993,990         |
| Dec. 30, 1933 <sup>1</sup> ..... | 6,011            | 5,154          | 857                | 4,165,564                                  | 2,493,463      | 1,702,101          | 32,676,326                             | 21,703,805     | 12,172,461         |
| Dec. 31, 1934 <sup>1</sup> ..... | 6,442            | 5,462          | 980                | 4,325,742                                  | 2,618,802      | 1,706,940          | 40,077,191                             | 25,580,932     | 14,496,259         |
| Dec. 31, 1935 <sup>1</sup> ..... | 6,387            | 5,386          | 1,001              | 4,344,339                                  | 2,640,738      | 1,703,601          | 44,122,036                             | 28,173,180     | 15,948,855         |

<sup>1</sup> Licensed banks only.

# No. 250.—ALL MEMBER BANKS: CLASSIFICATION OF LOANS AND INVESTMENTS ON DEC. 31

[All money figures in millions of dollars. Figures for 1933 to 1935 are for licensed banks only]

|                                                                | 1930   | 1933             | 1934   | 1935   | 1935                       |                          |               |                |                    |
|----------------------------------------------------------------|--------|------------------|--------|--------|----------------------------|--------------------------|---------------|----------------|--------------------|
|                                                                |        |                  |        |        | Central Reserve city banks | Other Reserve city banks | Country banks | National banks | State member banks |
| Loans and investments, total.....                              | 34,860 | 25,220           | 28,150 | 29,985 | 10,286                     | 10,780                   | 8,919         | 18,951         | 11,034             |
| Loans, total.....                                              | 23,870 | 12,883           | 12,028 | 12,175 | 3,910                      | 4,347                    | 3,918         | 7,494          | 4,881              |
| Loans to customers, total <sup>2</sup> .....                   | 21,637 | 11,002           | 10,665 | 10,646 | 2,698                      | 4,177                    | 3,771         | 6,891          | 3,765              |
| To banks.....                                                  | 681    | 287              | 155    | 98     | 48                         | 134                      | 17            | 64             | 34                 |
| On securities (exclusive of loans to banks) <sup>3</sup> ..... | 7,942  | 3,772            | 3,296  | 3,089  | 1,030                      | 1,153                    | 908           | 1,888          | 1,201              |
| Real estate loans, total.....                                  | 3,234  | 2,369            | 2,273  | 2,294  | 155                        | 1,094                    | 1,035         | 1,316          | 967                |
| On farm land.....                                              | 387    | 318              | 262    | 251    | 1                          | 97                       | 153           | 209            | 42                 |
| On other real estate.....                                      | 2,847  | 2,041            | 2,012  | 2,033  | 154                        | 997                      | 882           | 1,107          | 925                |
| All other (including overdrafts).....                          | 9,831  | 5,184            | 4,940  | 5,176  | 1,406                      | 1,897                    | 1,812         | 3,624          | 1,552              |
| Open-market loans, total <sup>3</sup> .....                    | 2,233  | 1,231            | 1,363  | 1,529  | 1,211                      | 170                      | 147           | 603            | 926                |
| Acceptances and commercial paper purchased.....                | 736    | 391              | 520    | 482    | 193                        | 149                      | 140           | 290            | 192                |
| Loans to brokers in New York <sup>4</sup> .....                | 1,498  | 840              | 843    | 1,047  | 1,018                      | 21                       | 7             | 313            | 734                |
| Investments, total.....                                        | 10,989 | 12,386           | 18,192 | 17,810 | 6,876                      | 6,432                    | 5,002         | 11,456         | 6,353              |
| U. S. Government, direct obligations.....                      | 4,125  | 7,254            | 9,906  | 10,501 | 4,485                      | 4,076                    | 1,940         | 6,545          | 3,965              |
| Securities fully guaranteed by U. S. Government.....           | —      | ( <sup>5</sup> ) | 989    | 1,768  | 489                        | 656                      | 623           | 1,255          | 512                |
| Other domestic securities.....                                 | 6,149  | 4,819            | 4,983  | 5,207  | 1,332                      | 1,625                    | 2,341         | 3,492          | 1,805              |
| Foreign securities.....                                        | 715    | 313              | 244    | 244    | 70                         | 76                       | 98            | 104            | 80                 |
| Number of banks.....                                           | 8,052  | 6,011            | 6,442  | 6,387  | 52                         | 336                      | 5,999         | 5,386          | 1,001              |

<sup>1</sup> Excludes acceptances of other banks and bills of exchange or drafts sold with endorsement.

<sup>2</sup> Except loans to broker customers in New York, made by New York City banks.

<sup>3</sup> Includes loans to broker customers in New York, made by New York City banks.

<sup>4</sup> Loans on securities to brokers and dealers in securities at New York City.

<sup>5</sup> Included in "Other domestic securities."

Source of tables 249 and 250: Board of Governors of the Federal Reserve System.

# No. 251.—ALL MEMBER BANKS OF THE FEDERAL RESERVE SYSTEM: EARNINGS, EXPENSES, AND DIVIDENDS

[All figures, except ratios, in millions and tenths of millions of dollars]

|                                                     | All member banks |          |          |                     |                     |                     |          | 1935           |                     |
|-----------------------------------------------------|------------------|----------|----------|---------------------|---------------------|---------------------|----------|----------------|---------------------|
|                                                     | 1925             | 1930     | 1931     | 1932                | 1933                | 1934                | 1935     | National banks | State members banks |
| Loans and Investments <sup>1</sup> .....            | 29,673.9         | 35,395.4 | 33,431.8 | 28,522.5            | 24,986.3            | 26,930.5            | 28,898.5 | 18,285.6       | 10,612.8            |
| Loans <sup>1</sup> .....                            | 20,809.1         | 25,018.2 | 21,732.3 | 16,743.9            | 12,916.7            | 12,476.6            | 11,985.2 | 7,418.7        | 4,566.4             |
| Investments <sup>1</sup> .....                      | 8,864.8          | 10,377.2 | 11,699.5 | 11,778.6            | 12,069.5            | 14,453.9            | 16,913.3 | 10,866.9       | 6,046.4             |
| Capital funds <sup>1</sup> .....                    | 4,589.3          | 6,722.8  | 6,895.0  | 5,660.1             | 4,902.3             | 5,049.5             | 5,118.5  | 3,078.0        | 2,040.4             |
| Gross earnings, total <sup>2</sup> .....            | 1,918.1          | 2,228.8  | 1,911.5  | 1,553.6             | 1,236.9             | 1,243.9             | 1,206.6  | 792.2          | 414.4               |
| Interest earned.....                                | 1,615.6          | 1,857.5  | 1,581.9  | 1,325.5             | 1,038.4             | 1,016.2             | 967.3    | 656.1          | 311.2               |
| Expenses, total.....                                | 1,367.3          | 1,604.3  | 1,335.4  | 1,143.4             | 859.8               | 848.4               | 832.5    | 547.8          | 284.7               |
| Interest paid.....                                  | 698.1            | 771.0    | 600.0    | 473.1               | 303.2               | 243.4               | 208.5    | 150.9          | 67.5                |
| Net earnings.....                                   | 550.8            | 624.4    | 576.1    | 410.2               | 377.6               | 394.5               | 374.1    | 244.5          | 129.7               |
| Net losses and depreciation.....                    | 131.3            | 317.9    | 563.9    | 665.1               | 733.4               | 619.0               | 162.3    | 86.3           | 75.9                |
| Net profits.....                                    | 419.5            | 306.5    | 12.3     | <sup>a</sup> 254.9  | <sup>a</sup> 255.8  | <sup>a</sup> 224.5  | 211.9    | 158.1          | 53.8                |
| Cash dividends declared.....                        | 272.7            | 372.0    | 335.8    | 245.1               | 150.8               | 173.7               | 186.8    | 112.9          | 73.9                |
| Ratios:                                             |                  |          |          |                     |                     |                     |          |                |                     |
| Loans and investments per \$1 of capital funds..... | \$6.47           | \$5.20   | \$5.23   | \$5.04              | \$5.10              | \$5.33              | \$5.65   | \$5.94         | \$5.20              |
| Net profit per \$100 of loans and investments.....  | \$1.41           | \$0.87   | \$0.04   | <sup>a</sup> \$0.89 | <sup>a</sup> \$1.42 | <sup>a</sup> \$1.85 | \$1.73   | \$1.86         | \$1.51              |
| Net profit per \$100 of capital funds.....          | \$9.14           | \$4.56   | \$0.20   | <sup>a</sup> \$4.50 | <sup>a</sup> \$7.86 | <sup>a</sup> \$4.45 | \$4.14   | \$5.14         | \$2.64              |

<sup>1</sup> Average amounts.

<sup>2</sup> Prior to 1932, profits on securities sold were included in gross earnings; in 1932 to 1935 such profits were deducted from losses.

<sup>a</sup> Net loss.

# No. 252.—ALL REPORTING BANKS:<sup>1</sup> NUMBER, LOANS, INVESTMENTS, AND DEPOSITS OF MEMBER AND NONMEMBER BANKS

[All money figures in millions of dollars]

| Date <sup>2</sup>               | Number of banks |              |                  | Loans     |              |                  | Investments |              |                  | Deposits <sup>3</sup> |              |                  |
|---------------------------------|-----------------|--------------|------------------|-----------|--------------|------------------|-------------|--------------|------------------|-----------------------|--------------|------------------|
|                                 | All banks       | Member banks | Non-member banks | All banks | Member banks | Non-member banks | All banks   | Member banks | Non-member banks | All banks             | Member banks | Non-member banks |
| 1925—Dec. 31.....               | 28,257          | 9,489        | 18,768           | 35,658    | 21,996       | 13,662           | 14,945      | 8,888        | 6,057            | 40,224                | 30,029       | 19,195           |
| 1926—Dec. 31.....               | 27,367          | 9,260        | 18,107           | 36,777    | 22,652       | 14,125           | 15,240      | 8,990        | 6,256            | 50,155                | 30,474       | 19,681           |
| 1927—June 30.....               | 26,765          | 9,099        | 17,666           | 37,378    | 22,938       | 14,440           | 16,373      | 9,818        | 5,555            | 51,662                | 31,269       | 20,393           |
| Dec. 31.....                    | 26,416          | 9,034        | 17,382           | 38,426    | 23,886       | 14,539           | 17,024      | 10,361       | 6,064            | 52,909                | 32,063       | 20,846           |
| 1928—June 30.....               | 25,941          | 8,929        | 17,012           | 39,483    | 24,303       | 15,180           | 17,782      | 10,758       | 7,024            | 53,398                | 32,133       | 21,265           |
| Dec. 31.....                    | 25,576          | 8,837        | 16,739           | 40,782    | 25,155       | 15,627           | 17,484      | 10,529       | 6,955            | 56,766                | 34,826       | 21,940           |
| 1929—June 29.....               | 25,110          | 8,707        | 16,403           | 41,531    | 25,658       | 15,873           | 16,943      | 10,052       | 6,891            | 53,852                | 32,284       | 21,567           |
| Dec. 31.....                    | 24,630          | 8,522        | 16,108           | 41,918    | 26,150       | 15,768           | 16,499      | 9,784        | 6,715            | 55,289                | 33,865       | 21,424           |
| 1930—June 30.....               | 23,852          | 8,315        | 15,537           | 40,638    | 25,214       | 15,424           | 17,471      | 10,442       | 7,029            | 54,954                | 33,690       | 21,264           |
| Dec. 31.....                    | 22,769          | 8,052        | 14,717           | 38,135    | 23,870       | 14,264           | 18,074      | 10,989       | 7,055            | 53,039                | 32,560       | 20,479           |
| 1931—June 30.....               | 21,903          | 7,782        | 14,121           | 35,384    | 21,816       | 13,568           | 19,637      | 12,106       | 7,531            | 51,782                | 31,666       | 20,216           |
| Dec. 31.....                    | 19,968          | 7,246        | 12,720           | 31,305    | 19,261       | 12,045           | 18,399      | 11,314       | 7,084            | 45,821                | 27,432       | 18,389           |
| 1932—June 30.....               | 19,046          | 6,980        | 12,066           | 27,834    | 16,587       | 11,247           | 18,237      | 11,414       | 6,823            | 41,963                | 24,755       | 17,208           |
| Dec. 31.....                    | 18,390          | 6,816        | 11,574           | 26,063    | 15,204       | 10,859           | 18,883      | 12,265       | 6,617            | 41,643                | 24,803       | 16,840           |
| 1933—June 30 <sup>4</sup> ..... | 14,519          | 5,606        | 8,913            | 22,203    | 12,858       | 9,345            | 17,872      | 11,928       | 5,944            | 37,998                | 23,338       | 14,659           |
| Dec. 30.....                    | 15,011          | 6,011        | 9,000            | 21,977    | 12,833       | 9,144            | 18,342      | 12,386       | 5,956            | 38,505                | 23,771       | 14,734           |
| 1934—June 30.....               | 15,835          | 6,375        | 9,460            | 21,278    | 12,523       | 8,765            | 21,224      | 14,652       | 6,571            | 41,870                | 26,615       | 15,255           |
| Dec. 31.....                    | 16,042          | 6,442        | 9,600            | 20,474    | 12,028       | 8,446            | 22,984      | 16,122       | 6,862            | 44,771                | 28,943       | 16,828           |
| 1935—June 30.....               | 15,994          | 6,410        | 9,584            | 20,272    | 11,928       | 8,348            | 24,145      | 16,857       | 7,288            | 45,766                | 29,496       | 16,270           |
| Dec. 31.....                    | 15,836          | 6,387        | 9,449            | 20,329    | 12,175       | 8,164            | 25,388      | 17,810       | 7,578            | 48,964                | 32,159       | 16,806           |

<sup>1</sup> Comprises all national banks in continental United States and all State commercial banks, trust companies, savings banks, and such private and industrial banks as are included in abstracts by State banking departments. Also includes during the period June 1934 to June 1935, private banks which, under the provisions of sec. 21 (a) of the Banking Act of 1933, submitted reports to the Comptroller of the Currency.

<sup>2</sup> Date of reports of member banks; figures for nonmember banks are as of nearest available date.

<sup>3</sup> Exclusive of interbank deposits.

<sup>4</sup> Beginning June 30, 1933, all figures (other than for mutual savings banks) relate to licensed banks only, with some exceptions as to nonmember banks.

Source of tables 251 and 252: Board of Governors of the Federal Reserve System.



# No. 253.—ALL REPORTING BANKS: NUMBER, ASSETS, CAPITAL AND SURPLUS, AND DEPOSITS, ON OR ABOUT JUNE 30

NOTE.—See headnote, table 254

[All figures, except number of banks, in millions and tenths of millions of dollars]

| Year | Number of banks | Total assets | Capital and surplus | Demand and time deposits <sup>1</sup> | Year | Number of banks | Total assets | Capital and surplus | Deposits <sup>1</sup> |          |
|------|-----------------|--------------|---------------------|---------------------------------------|------|-----------------|--------------|---------------------|-----------------------|----------|
|      |                 |              |                     |                                       |      |                 |              |                     | Demand                | Time     |
| 1890 | 8,201           | 6,357.6      | 1,416.3             | 4,072.5                               | 1925 | 28,841          | 62,057.0     | 6,343.0             | 46,715.2              |          |
| 1895 | 9,818           | 7,609.5      | 1,621.3             | 4,921.2                               | 1926 | 28,146          | 64,893.4     | 6,745.8             | 48,826.6              |          |
| 1900 | 10,382          | 10,785.8     | 1,673.1             | 7,238.9                               | 1927 | 27,661          | 68,132.6     | 7,141.0             | 51,062.1              |          |
| 1905 | 16,410          | 16,918.2     | 2,516.8             | 11,350.7                              | 1928 | 26,213          | 71,574.8     | 7,671.1             | 53,244.7              |          |
| 1910 | 23,095          | 22,450.3     | 3,427.8             | 14,963.7                              | 1929 | 25,330          | 72,172.5     | 8,408.7             | 24,350.2              | 28,787.6 |
| 1915 | 27,062          | 27,804.1     | 3,895.8             | 18,903.3                              | 1930 | 24,079          | 74,020.1     | 8,858.4             | 24,098.5              | 29,465.4 |
| 1920 | 30,139          | 53,079.1     | 5,113.0             | 37,268.1                              | 1931 | 22,071          | 70,209.1     | 8,462.8             | 21,328.2              | 29,156.4 |
| 1921 | 30,812          | 49,671.4     | 5,446.0             | 34,790.9                              | 1932 | 19,163          | 67,245.1     | 7,375.8             | 16,405.6              | 24,774.4 |
| 1922 | 30,399          | 60,425.4     | 5,641.4             | 37,143.6                              | 1933 | 14,624          | 51,801.9     | 6,270.9             | 15,258.8              | 21,417.8 |
| 1923 | 30,178          | 54,034.9     | 5,851.9             | 39,983.6                              | 1934 | 15,894          | 60,159.9     | 6,733.5             | 17,585.5              | 22,552.3 |
| 1924 | 29,348          | 67,144.7     | 6,081.6             | 42,903.8                              | 1935 | 16,053          | 60,393.1     | 6,699.0             | 21,593.2              | 23,253.3 |

<sup>1</sup> Exclusive of interbank demand deposits (except a comparatively small amount of interbank deposits payable in 30 days but not subject to immediate withdrawal included with demand deposits in 1923 to 1935) and U. S. deposits. Postal savings deposits are included. For banks other than national, figures prior to 1929 include in addition to demand and time deposits shown in the original reports, a certain amount of deposits not classified as to demand and time. See table 255.

<sup>2</sup> Licensed banks (banks operating on an unrestricted basis).

<sup>3</sup> Includes capital notes and debentures.

Source: Comptroller of the Currency, Treasury Department.

# No. 254.—ALL REPORTING BANKS: NUMBER, ASSETS, CAPITAL AND SURPLUS, AND DEPOSITS FOR EACH CLASS OF BANKS

NOTE.—Banks in Alaska, Hawaii, Puerto Rico, Philippine Islands and, for 1935, Virgin Islands are included. Data are as of June 30 or about June 30, except data for the earlier years for banks other than national, for which reports were of various dates. Figures for private banks and for other banks except national for earlier years, especially 1875, 1880, and 1885, are incomplete. Prior to 1910, figures for State banks include stock savings banks and loan and trust companies in a number of States, and in some instances private banks. Deposits exclude interbank demand deposits (except as stated in footnote 1, table 253) and U. S. deposits; they also exclude dividends unpaid and, beginning 1910, certified and cashiers' checks, items at one time included in original figures for demand deposits; they include postal savings.

[All figures, except number of banks, in millions and tenths of millions of dollars]

| Year           | Number of banks | Total assets | Capital and surplus | Demand and time deposits <sup>1</sup> | Number of banks | Total assets       | Capital and surplus | Demand and time deposits <sup>1</sup> |
|----------------|-----------------|--------------|---------------------|---------------------------------------|-----------------|--------------------|---------------------|---------------------------------------|
|                |                 |              |                     |                                       |                 |                    |                     |                                       |
| National banks |                 |              |                     | State (commercial) banks              |                 |                    |                     |                                       |
| 1830           |                 |              |                     |                                       | 329             |                    | <sup>2</sup> 110.2  | 40.8                                  |
| 1840           |                 |              |                     |                                       | 901             | 657.7              | <sup>2</sup> 358.4  | 75.7                                  |
| 1850           |                 |              |                     |                                       | 824             | 532.3              | <sup>2</sup> 217.3  | 109.6                                 |
| 1860           |                 |              |                     |                                       | 1,562           | 999.9              | <sup>2</sup> 421.6  | 253.8                                 |
| 1865           | 1,294           | 1,126.5      | 357.1               | 398.4                                 | 349             | <sup>3</sup> 231.0 | <sup>2</sup> 71.2   | <sup>3</sup> 60.0                     |
| 1870           | 1,612           | 1,565.8      | 518.9               | 542.3                                 | 325             | <sup>3</sup> 215.1 | <sup>2</sup> 86.5   | <sup>3</sup> 55.9                     |
| 1875           | 2,076           | 1,913.2      | 634.7               | 686.5                                 | 551             | 272.3              | 75.9                | 165.9                                 |
| 1880           | 2,076           | 2,035.5      | 574.0               | 833.7                                 | 620             | 354.9              | 109.6               | 208.8                                 |
| 1885           | 2,689           | 2,421.9      | 672.8               | 1,106.4                               | 975             | 553.6              | 155.9               | 344.3                                 |
| 1890           | 3,484           | 3,061.8      | 864.7               | 1,521.7                               | 2,289           | 884.3              | 245.0               | 562.6                                 |
| 1895           | 3,715           | 3,470.6      | 906.0               | 1,736.0                               | 3,774           | 1,147.5            | 324.5               | 712.4                                 |
| 1900           | 3,732           | 4,944.2      | 877.8               | 2,458.1                               | 4,369           | 1,759.8            | 328.4               | 1,266.7                               |
| 1905           | 5,668           | 7,327.8      | 1,205.0             | 3,783.7                               | 7,794           | 3,190.9            | 534.2               | 2,365.2                               |
| 1910           | 7,145           | 9,896.6      | 1,934.4             | 5,070.6                               | 12,166          | 3,695.0            | 623.4               | 2,675.4                               |
| 1915           | 7,605           | 11,795.7     | 1,790.6             | 6,426.2                               | 14,598          | 4,399.8            | 725.1               | 3,231.0                               |
| 1920           | 8,090           | 23,411.3     | 2,210.6             | 13,671.8                              | 18,195          | 14,009.8           | 1,447.2             | 10,827.1                              |
| 1921           | 8,154           | 20,517.9     | 2,300.1             | 12,373.4                              | 18,875          | 14,199.1           | 1,642.9             | 10,664.4                              |
| 1922           | 8,249           | 20,700.0     | 2,356.0             | 13,229.4                              | 18,232          | 13,064.4           | 1,575.4             | 10,097.9                              |
| 1923           | 8,241           | 21,511.8     | 2,399.5             | 14,008.7                              | 18,043          | 14,162.9           | 1,612.9             | 11,020.6                              |
| 1924           | 8,085           | 22,565.9     | 2,414.8             | 14,818.8                              | 17,436          | 14,816.0           | 1,664.4             | 11,745.4                              |
| 1925           | 8,072           | 24,350.9     | 2,488.4             | 16,320.7                              | 16,983          | 15,979.2           | 1,706.7             | 12,672.8                              |
| 1926           | 7,978           | 25,315.6     | 2,611.8             | 17,057.1                              | 16,493          | 16,579.7           | 1,789.3             | 13,145.8                              |
| 1927           | 7,796           | 26,581.9     | 2,731.1             | 18,202.8                              | 16,690          | 16,565.0           | 1,814.0             | 12,923.7                              |
| 1928           | 7,691           | 28,508.2     | 3,013.6             | 19,300.4                              | 15,078          | 16,291.0           | 1,788.7             | 12,725.1                              |
| 1929           | 7,636           | 27,440.2     | 3,106.4             | 18,821.4                              | 14,437          | 16,824.3           | 1,960.3             | 12,813.7                              |
| 1930           | 7,252           | 29,116.5     | 3,336.3             | 19,678.8                              | 13,582          | 15,209.9           | 1,827.8             | 11,589.9                              |
| 1931           | 6,805           | 27,642.7     | 3,181.6             | 18,685.6                              | 12,259          | 13,110.1           | 1,622.0             | 9,856.4                               |
| 1932           | 6,150           | 22,367.7     | 2,828.4             | 15,206.3                              | 10,455          | 9,478.8            | 1,332.2             | 6,646.5                               |
| 1933           | 4,902           | 20,860.5     | 2,456.2             | 14,111.0                              | 7,714           | 6,552.1            | 891.8               | 4,564.7                               |
| 1934           | 5,422           | 23,901.6     | 2,691.9             | 16,172.1                              | 8,348           | 7,299.3            | <sup>6</sup> 972.0  | 5,298.0                               |
| 1935           | 5,431           | 26,061.1     | 2,641.3             | 18,542.9                              | 8,460           | 8,049.6            | <sup>6</sup> 959.5  | 6,212.0                               |

For footnotes see p. 243.

## No. 254.—ALL REPORTING BANKS: NUMBER, ASSETS, ETC., FOR EACH CLASS OF BANKS—Continued

| Year                             | Number of banks | Total assets | Capital and surplus | Demand and time deposits <sup>1</sup> | Number of banks | Total assets | Capital and surplus | Demand and time deposits <sup>1</sup> |
|----------------------------------|-----------------|--------------|---------------------|---------------------------------------|-----------------|--------------|---------------------|---------------------------------------|
| Loan and trust companies         |                 |              |                     | Private banks <sup>7</sup>            |                 |              |                     |                                       |
| 1875                             | 35              | 122.9        | 28.8                | 85.0                                  |                 |              |                     |                                       |
| 1880                             | 30              | 126.9        | 24.7                | 90.0                                  | \$2,802         |              | \$76.1              | \$182.7                               |
| 1885                             | 40              | 248.4        | 37.1                | 188.4                                 |                 |              |                     |                                       |
| 1890                             | 149             | 503.8        | 105.3               | 336.5                                 | 1,358           | 165.2        | 51.1                | 101.6                                 |
| 1895                             | 242             | 807.1        | 173.1               | 546.7                                 | 1,070           | 130.6        | 40.4                | 81.8                                  |
| 1900                             | 290             | 1,330.2      | 239.6               | 1,028.2                               | 989             | 126.8        | 22.6                | 96.2                                  |
| 1905                             | 683             | 2,866.0      | 524.4               | 1,980.9                               | 1,028           | 165.2        | 29.4                | 127.9                                 |
| 1910                             | 1,091           | 4,216.9      | 800.1               | 3,026.0                               | 934             | 160.0        | 25.4                | 134.0                                 |
| 1915                             | 1,664           | 6,873.1      | 927.5               | 4,177.8                               | 1,036           | 177.7        | 29.0                | 134.1                                 |
| 1920                             | 1,408           | 8,320.0      | 985.7               | 6,061.9                               | 799             | 212.6        | 26.4                | 169.3                                 |
| 1921                             | 1,474           | 8,181.1      | 1,053.5             | 5,601.5                               | 708             | 175.3        | 24.0                | 133.7                                 |
| 1922                             | 1,550           | 8,533.6      | 1,095.0             | 6,490.5                               | 673             | 185.5        | 25.7                | 145.2                                 |
| 1923                             | 1,643           | 9,499.3      | 1,108.1             | 6,825.3                               | 604             | 165.5        | 22.4                | 131.4                                 |
| 1924                             | 1,664           | 10,323.8     | 1,203.3             | 7,779.2                               | 560             | 150.9        | 19.8                | 120.5                                 |
| 1925                             | 1,680           | 11,565.5     | 1,366.7             | 8,530.4                               | 523             | 155.2        | 19.5                | 126.2                                 |
| 1926                             | 1,666           | 12,205.2     | 1,487.2             | 8,893.4                               | 495             | 174.2        | 21.0                | 131.2                                 |
| 1927                             | 1,647           | 13,994.8     | 1,678.0             | 10,074.2                              | 467             | 164.1        | 19.3                | 123.2                                 |
| 1928                             | 1,633           | 15,230.9     | 1,889.3             | 10,874.5                              | 404             | 148.8        | 16.6                | 110.6                                 |
| 1929                             | 1,608           | 16,155.2     | 2,305.8             | 10,945.6                              | 391             | 156.5        | 16.4                | 105.5                                 |
| 1930                             | 1,564           | 17,702.7     | 2,679.7             | 11,612.0                              | 361             | 114.6        | 15.7                | 78.5                                  |
| 1931                             | 1,469           | 16,861.0     | 2,588.0             | 10,650.5                              | 284             | 82.1         | 12.0                | 59.1                                  |
| 1932                             | 1,235           | 13,118.8     | 2,238.0             | 8,273.7                               | 227             | 55.4         | 9.6                 | 40.4                                  |
| 1933                             | 1,029           | 11,996.3     | 1,803.3             | 7,462.6                               | 184             | 46.9         | 8.2                 | 29.9                                  |
| 1934                             | 994             | 12,465.3     | 1,897.5             | 7,754.5                               | 236             | 532.7        | 105.2               | 324.6                                 |
| 1935                             | 1,007           | 13,473.8     | 1,912.3             | 8,952.9                               | 243             | 716.8        | 118.4               | 387.7                                 |
| Mutual savings bank <sup>8</sup> |                 |              |                     | Stock savings banks <sup>9</sup>      |                 |              |                     |                                       |
| 1880                             | 629             | 881.7        | 51.2                | 819.1                                 |                 |              |                     |                                       |
| 1885                             | 646             | 1,203.0      | 88.6                | 1,095.2                               |                 |              |                     |                                       |
| 1890                             | 637             | 1,486.6      | 126.1               | 1,396.0                               | 284             | 256.0        | 34.1                | 214.0                                 |
| 1895                             | 664             | 1,756.7      | 136.0               | 1,597.3                               | 353             | 297.0        | 41.3                | 247.0                                 |
| 1900                             | 652             | 2,336.5      | 175.8               | 2,134.5                               | 350             | 288.4        | 29.1                | 265.2                                 |
| 1905                             | 668             | 2,967.3      | 184.6               | 2,738.5                               | 569             | 400.9        | 39.2                | 358.5                                 |
| 1910                             | 638             | 3,652.4      | 249.2               | 3,380.6                               | 1,121           | 829.4        | 95.3                | 707.2                                 |
| 1915                             | 690             | 4,319.4      | 289.7               | 3,950.6                               | 1,529           | 1,238.7      | 133.9               | 1,046.0                               |
| 1920                             | 620             | 5,019.0      | 334.5               | 4,586.8                               | 1,087           | 1,506.4      | 108.6               | 1,351.2                               |
| 1921                             | 623             | 6,040.1      | 366.4               | 5,575.1                               | 978             | 1,557.9      | 69.1                | 1,442.8                               |
| 1922                             | 619             | 6,351.6      | 468.2               | 5,778.9                               | 1,066           | 1,583.9      | 121.0               | 1,401.7                               |
| 1923                             | 618             | 6,904.8      | 496.5               | 6,288.6                               | 1,029           | 1,790.7      | 122.5               | 1,609.0                               |
| 1924                             | 613             | 7,364.7      | 558.8               | 6,693.2                               | 960             | 1,923.4      | 130.7               | 1,746.5                               |
| 1925                             | 611             | 7,913.0      | 633.2               | 7,147.0                               | 972             | 2,093.1      | 128.7               | 1,918.2                               |
| 1926                             | 620             | 8,422.3      | 703.0               | 7,577.5                               | 904             | 2,196.4      | 133.0               | 2,021.5                               |
| 1927                             | 618             | 9,011.2      | 782.9               | 8,076.5                               | 843             | 1,815.6      | 115.7               | 1,661.7                               |
| 1928                             | 616             | 9,688.2      | 851.6               | 8,672.8                               | 791             | 1,707.2      | 111.4               | 1,561.2                               |
| 1929                             | 611             | 10,006.5     | 823.7               | 9,001.6                               | 747             | 1,589.8      | 103.0               | 1,450.0                               |
| 1930                             | 606             | 10,295.3     | 898.9               | 9,215.6                               | 714             | 1,521.1      | 101.0               | 1,389.2                               |
| 1931                             | 600             | 11,191.8     | 968.1               | 10,034.8                              | 654             | 1,321.4      | 91.3                | 1,199.2                               |
| 1932                             | 594             | 11,134.1     | 890.0               | 10,038.8                              | 502             | 1,090.2      | 77.7                | 974.3                                 |
| 1933                             | 576             | 10,967.1     | 1,064.4             | 9,713.0                               | 219             | 878.9        | 57.0                | 795.4                                 |
| 1934                             | 578             | 11,065.1     | 1,101.8             | 9,779.9                               | 316             | 906.0        | 65.1                | 808.8                                 |
| 1935                             | 571             | 11,172.5     | 1,002.8             | 9,919.7                               | 341             | 919.2        | 64.8                | 831.4                                 |

<sup>1</sup> See footnote 1, table 253.<sup>2</sup> Capital only.<sup>3</sup> Estimated.<sup>4</sup> In 1921 returns from California, which in 1920 had shown 106 stock savings banks, included all banks except 1 mutual savings bank with State banks, which accounts for part of the increase in State banks and the greater part of the decrease in stock savings banks. In subsequent years returns showed separate statistics for each class of banks.<sup>5</sup> Licensed banks (banks operating on an unrestricted basis); for mutual savings banks, figures include banks having limitations on deposit withdrawals in 5 States for 1933 and in 1 State for 1934.<sup>6</sup> Includes capital notes and debentures.<sup>7</sup> For 1890 to 1933, figures include only banks under State supervision and others voluntarily reporting; for 1934 and 1935, they include banks under State supervision and banks that have agreed to examination by the Comptroller of the Currency or a Federal Reserve bank under provisions of the Banking Act of 1933.<sup>8</sup> Average for all private banks for the 6 months ended May 31, 1880, as reported to the Commissioner of Internal Revenue for taxation purposes.<sup>9</sup> Stock savings banks included with mutual savings banks or State banks in 1880 and 1885. For deposits in savings banks for earlier years, see table 271, p. 255.<sup>10</sup> Figures given under "Capital and surplus" are surplus funds only.

Source: Comptroller of the Currency, Treasury Department.

## No. 255.—ALL REPORTING BANKS: PRINCIPAL ASSETS AND LIABILITIES

NOTE.—Data relate in general to June 30. Banks in Alaska, Hawaii, Puerto Rico, Philippine Islands, and for 1935, Virgin Islands, are included

[All figures, except number of banks, in thousands of dollars]

|                                                                                      | 1920         | 1925         | 1930         | 1933 <sup>1</sup> | 1934 <sup>1</sup> | 1935 <sup>1</sup> |
|--------------------------------------------------------------------------------------|--------------|--------------|--------------|-------------------|-------------------|-------------------|
| Number of banks                                                                      | 30, 139      | 28, 841      | 24, 079      | 14, 624           | 15, 894           | 19, 053           |
| Assets, total                                                                        | 53, 079, 108 | 62, 057, 037 | 74, 020, 124 | 61, 301, 908      | 56, 169, 925      | 60, 893, 067      |
| Loans and discounts <sup>2</sup>                                                     | 30, 000, 911 | 33, 757, 409 | 40, 610, 108 | 22, 387, 818      | 21, 431, 163      | 20, 419, 260      |
| Investments                                                                          | 11, 251, 950 | 15, 374, 899 | 17, 944, 728 | 17, 930, 063      | 21, 289, 494      | 24, 217, 155      |
| Cash in vault                                                                        | 1, 076, 378  | 951, 286     | 865, 970     | 672, 556          | 713, 968          | 784, 576          |
| Due from banks, including reserve with Federal Reserve banks or other reserve agents | 5, 833, 241  | 6, 774, 392  | 7, 427, 427  | 5, 992, 056       | 8, 876, 946       | 10, 937, 954      |
| Exchanges for clearing house and other cash items                                    | 1, 457, 778  | 2, 181, 137  | 2, 884, 635  | 1, 100, 173       | 624, 835          | 675, 018          |
| Miscellaneous assets                                                                 | 2, 658, 844  | 3, 017, 914  | 4, 387, 256  | 3, 218, 642       | 3, 223, 529       | 3, 359, 094       |
| Liabilities, total                                                                   | 53, 079, 108 | 62, 057, 037 | 74, 020, 124 | 61, 301, 908      | 56, 169, 925      | 60, 893, 067      |
| Demand deposits                                                                      | 37, 208, 077 | 46, 715, 203 | 24, 098, 516 | 15, 258, 705      | 17, 585, 475      | 21, 593, 240      |
| Time deposits <sup>3</sup>                                                           |              |              | 29, 465, 361 | 21, 417, 811      | 22, 552, 330      | 28, 253, 328      |
| Deposits not classified                                                              |              |              | 117, 190     | 27, 016           | 26, 781           | 19, 727           |
| United States deposits                                                               | 175, 788     | 147, 220     | 213, 722     | 800, 399          | 1, 736, 683       | 824, 415          |
| Due to banks <sup>4</sup>                                                            | 4, 234, 313  | 5, 081, 897  | 5, 652, 397  | 3, 969, 479       | 4, 724, 772       | 5, 895, 413       |
| Total deposits                                                                       | 41, 678, 178 | 51, 944, 320 | 59, 847, 196 | 41, 533, 470      | 46, 625, 041      | 51, 586, 123      |
| Interest, taxes, and other expenses accrued and unpaid                               | (5)          | (5)          | 122, 737     | 76, 300           | 73, 906           | 55, 823           |
| Bills payable and rediscounts                                                        | 3, 284, 860  | 3, 255, 276  | 565, 817     | 503, 883          | 158, 050          | 61, 340           |
| Miscellaneous liabilities                                                            | 2, 100, 869  | 1, 770, 879  | 3, 102, 877  | 1, 802, 907       | 1, 420, 178       | 344, 037          |
| Capital stock paid in <sup>5</sup>                                                   | 2, 702, 639  | 3, 169, 711  | 3, 889, 419  | 2, 899, 541       | 3, 558, 786       | 3, 605, 448       |
| Surplus                                                                              | 2, 410, 346  | 3, 173, 334  | 4, 968, 999  | 3, 371, 321       | 3, 174, 091       | 3, 093, 562       |
| Undivided profits—net                                                                | 6, 902, 716  | 1, 067, 517  | 1, 154, 304  | 646, 245          | 643, 442          | 617, 791          |
| Reserves for contingencies <sup>7</sup>                                              |              |              | 268, 276     | 468, 180          | 475, 831          | 518, 938          |

|                                                                                      | National banks | All banks other than national | Banks other than national, by classes |                          |               |                |          |
|--------------------------------------------------------------------------------------|----------------|-------------------------------|---------------------------------------|--------------------------|---------------|----------------|----------|
|                                                                                      |                |                               | State (commercial)                    | Loan and trust companies | Stock savings | Mutual savings | Private  |
| Number of banks                                                                      | 5, 431         | 10, 622                       | 8, 460                                | 1, 007                   | 341           | 571            | 243      |
| Assets, total                                                                        | 26, 061, 065   | 34, 331, 992                  | 3, 049, 808                           | 13, 473, 790             | 919, 242      | 11, 172, 520   | 718, 831 |
| Loans and discounts <sup>2</sup>                                                     | 7, 398, 717    | 13, 050, 543                  | 2, 862, 828                           | 4, 358, 541              | 375, 518      | 5, 342, 478    | 121, 178 |
| Investments                                                                          | 10, 716, 386   | 13, 500, 769                  | 2, 097, 457                           | 5, 618, 567              | 373, 928      | 4, 511, 420    | 399, 399 |
| Cash in vault                                                                        | 405, 513       | 379, 063                      | 190, 851                              | 130, 816                 | 8, 704        | 46, 544        | 2, 148   |
| Due from banks, including reserve with Federal Reserve banks or other reserve agents | 6, 139, 346    | 4, 798, 609                   | 1, 730, 008                           | 2, 393, 054              | 111, 463      | 474, 856       | 88, 638  |
| Exchanges for clearing house and other cash items                                    | 323, 363       | 351, 655                      | 90, 800                               | 256, 961                 | 1, 808        | 1, 413         | 673      |
| Miscellaneous assets                                                                 | 1, 107, 741    | 2, 251, 353                   | 487, 065                              | 815, 851                 | 47, 833       | 795, 809       | 104, 795 |
| Liabilities, total                                                                   | 26, 061, 065   | 34, 331, 992                  | 3, 049, 808                           | 13, 473, 790             | 919, 242      | 11, 172, 520   | 718, 831 |
| Demand deposits                                                                      | 11, 296, 790   | 10, 296, 480                  | 3, 482, 234                           | 6, 376, 298              | 103, 553      | 1, 894         | 332, 501 |
| Time deposits <sup>3</sup>                                                           | 7, 246, 147    | 16, 007, 181                  | 2, 729, 745                           | 2, 576, 632              | 727, 831      | 9, 817, 761    | 55, 212  |
| Deposits not classified                                                              |                | 19, 727                       | 2, 718                                | 17, 002                  |               | 7              |          |
| United States deposits                                                               | 436, 821       | 337, 594                      | 77, 367                               | 307, 348                 | 2, 878        |                | 1        |
| Due to banks <sup>4</sup>                                                            | 3, 538, 518    | 2, 356, 895                   | 487, 142                              | 1, 741, 269              | 4, 437        | 184            | 123, 813 |
| Total deposits                                                                       | 22, 518, 246   | 29, 097, 877                  | 6, 778, 208                           | 11, 018, 549             | 833, 749      | 9, 919, 846    | 511, 527 |
| Interest, taxes, and other expenses accrued and unpaid                               | 42, 335        | 23, 488                       | 7, 458                                | 7, 604                   | 864           | 7, 604         | 163      |
| Bills payable and rediscounts                                                        | 4, 643         | 56, 097                       | 18, 132                               | 26, 800                  | 80            | 4, 935         | 6, 750   |
| Miscellaneous liabilities                                                            | 409, 423       | 434, 614                      | 119, 170                              | 258, 724                 | 1, 054        | 15, 369        | 40, 277  |
| Capital stock paid in <sup>5</sup>                                                   | 1, 839, 503    | 1, 765, 940                   | 716, 518                              | 699, 258                 | 45, 451       | 25, 020        | 29, 663  |
| Surplus                                                                              | 831, 845       | 2, 251, 716                   | 242, 941                              | 973, 031                 | 19, 300       | 977, 178       | 49, 294  |
| Undivided profits—net                                                                | 207, 967       | 319, 824                      | 88, 737                               | 83, 369                  | 6, 716        | 139, 016       | 986      |
| Reserves for contingencies <sup>7</sup>                                              | 147, 102       | 371, 836                      | 76, 452                               | 166, 483                 | 7, 198        | 82, 932        | 38, 771  |

<sup>1</sup> Licensed banks.

<sup>2</sup> Includes rediscounts and overdrafts.

<sup>3</sup> Includes postal savings.

<sup>4</sup> Includes certified and cashiers' checks, and, except for banks other than national for 1920 and 1925, cash letters of credit and travelers' checks outstanding; also includes dividend checks outstanding beginning with 1930.

<sup>5</sup> Interest, taxes, and other expenses accrued and unpaid included with undivided profits and reserves.

<sup>6</sup> Includes capital notes and debentures. Common capital stock included represents net book value for national banks, par value for other banks.

<sup>7</sup> Includes reserves for dividends prior to 1935 and for 1934 and 1935, retirement fund for preferred stock, capital notes, and debentures.

Source: Comptroller of the Currency, Treasury Department.

## No. 256.—ALL ACTIVE BANKS: SUMMARY, BY STATES, JUNE 30, 1935

[All figures, except number of banks, in millions and tenths of millions of dollars]

| Division and State or Territory | Number of banks | Total assets or liabilities | Loans and discounts, incl. rediscounts and overdrafts | Investments | Cash, balances with active banks, and cash items <sup>1</sup> | Capital, surplus, and reserves <sup>2</sup> | Deposits                          |                                    |                                 |
|---------------------------------|-----------------|-----------------------------|-------------------------------------------------------|-------------|---------------------------------------------------------------|---------------------------------------------|-----------------------------------|------------------------------------|---------------------------------|
|                                 |                 |                             |                                                       |             |                                                               |                                             | Total (incl. interbank and U. S.) | Demand (excl. interbank and U. S.) | Time (including postal savings) |
| Grand total.....                | 16,053          | 80,393.1                    | 20,419.3                                              | 24,217.2    | 12,397.5                                                      | 7,835.7                                     | 51,588.1                          | 21,693.2                           | 23,263.3                        |
| Continental U. S.....           | 15,999          | 80,089.6                    | 20,270.6                                              | 24,146.3    | 12,324.2                                                      | 7,781.8                                     | 51,338.4                          | 21,499.6                           | 23,126.0                        |
| New England.....                | 940             | 6,889.1                     | 2,952.3                                               | 2,750.4     | 882.9                                                         | 839.9                                       | 6,084.1                           | 1,399.1                            | 4,332.0                         |
| Maine.....                      | 104             | 349.6                       | 113.6                                                 | 181.8       | 45.1                                                          | 47.4                                        | 299.2                             | 55.6                               | 236.2                           |
| New Hampshire.....              | 112             | 299.7                       | 104.7                                                 | 160.4       | 23.2                                                          | 38.0                                        | 258.9                             | 34.0                               | 218.6                           |
| Vermont.....                    | 92              | 211.7                       | 90.1                                                  | 79.1        | 18.2                                                          | 39.3                                        | 166.6                             | 20.5                               | 143.9                           |
| Massachusetts.....              | 399             | 4,293.8                     | 1,849.2                                               | 1,616.2     | 580.4                                                         | 493.1                                       | 3,766.7                           | 959.2                              | 2,513.8                         |
| Rhode Island.....               | 35              | 524.3                       | 184.5                                                 | 248.7       | 87.3                                                          | 88.3                                        | 450.5                             | 103.0                              | 337.3                           |
| Connecticut.....                | 198             | 1,309.9                     | 610.1                                                 | 468.3       | 148.6                                                         | 163.8                                       | 1,142.2                           | 226.9                              | 882.7                           |
| Middle Atlantic.....            | 2,482           | 28,486.2                    | 10,014.0                                              | 11,997.1    | 4,703.7                                                       | 4,044.5                                     | 23,926.9                          | 9,834.2                            | 10,423.3                        |
| New York.....                   | 917             | 20,805.6                    | 7,670.1                                               | 8,446.2     | 3,449.2                                                       | 2,874.4                                     | 17,612.2                          | 7,534.6                            | 6,989.8                         |
| New Jersey.....                 | 430             | 2,149.6                     | 787.7                                                 | 876.5       | 324.9                                                         | 288.3                                       | 1,810.1                           | 585.9                              | 1,178.8                         |
| Pennsylvania.....               | 1,135           | 5,559.1                     | 1,576.2                                               | 2,044.4     | 929.7                                                         | 881.8                                       | 4,495.6                           | 1,710.8                            | 2,254.6                         |
| East North Central.....         | 3,277           | 8,682.2                     | 2,196.1                                               | 3,619.0     | 2,570.3                                                       | 963.4                                       | 7,570.7                           | 3,822.5                            | 2,792.0                         |
| Ohio.....                       | 714             | 2,168.9                     | 750.0                                                 | 804.3       | 488.4                                                         | 275.0                                       | 1,869.1                           | 811.9                              | 900.3                           |
| Indiana.....                    | 552             | 748.7                       | 298.8                                                 | 278.2       | 224.2                                                         | 92.8                                        | 649.1                             | 335.7                              | 265.9                           |
| Illinois.....                   | 882             | 3,706.3                     | 726.4                                                 | 1,521.3     | 1,339.0                                                       | 354.9                                       | 3,300.6                           | 1,874.2                            | 832.2                           |
| Michigan.....                   | 500             | 1,214.4                     | 281.8                                                 | 549.7       | 321.5                                                         | 134.5                                       | 1,038.2                           | 514.0                              | 449.9                           |
| Wisconsin.....                  | 623             | 823.8                       | 223.1                                                 | 365.5       | 197.2                                                         | 106.2                                       | 713.8                             | 286.7                              | 353.6                           |
| West North Central.....         | 3,630           | 3,821.8                     | 1,019.0                                               | 1,466.3     | 1,208.2                                                       | 414.7                                       | 3,358.1                           | 1,867.5                            | 993.9                           |
| Minnesota.....                  | 685             | 951.7                       | 256.7                                                 | 388.8       | 278.4                                                         | 96.3                                        | 846.6                             | 356.3                              | 358.0                           |
| Iowa.....                       | 600             | 582.5                       | 168.7                                                 | 216.9       | 181.4                                                         | 59.3                                        | 519.3                             | 291.4                              | 170.9                           |
| Missouri.....                   | 705             | 1,355.9                     | 334.6                                                 | 548.8       | 424.7                                                         | 145.6                                       | 1,185.0                           | 725.8                              | 266.1                           |
| North Dakota.....               | 203             | 81.5                        | 24.9                                                  | 29.2        | 22.5                                                          | 12.9                                        | 67.6                              | 33.6                               | 30.9                            |
| South Dakota.....               | 206             | 95.5                        | 29.7                                                  | 31.1        | 30.0                                                          | 14.3                                        | 80.4                              | 48.6                               | 25.8                            |
| Nebraska.....                   | 431             | 338.8                       | 88.9                                                  | 121.9       | 120.1                                                         | 35.5                                        | 300.5                             | 172.1                              | 77.1                            |
| Kansas.....                     | 731             | 415.8                       | 117.4                                                 | 129.6       | 151.1                                                         | 60.7                                        | 358.7                             | 239.6                              | 68.1                            |
| South Atlantic.....             | 1,625           | 3,315.2                     | 1,086.3                                               | 1,203.6     | 850.6                                                         | 455.0                                       | 2,799.9                           | 1,255.8                            | 1,138.2                         |
| Delaware.....                   | 49              | 101.0                       | 73.7                                                  | 74.8        | 34.4                                                          | 42.7                                        | 145.6                             | 73.8                               | 67.3                            |
| Maryland.....                   | 202             | 820.9                       | 201.9                                                 | 406.6       | 182.7                                                         | 101.9                                       | 714.5                             | 220.9                              | 392.8                           |
| Dist. of Col.....               | 22              | 309.7                       | 82.6                                                  | 117.2       | 86.9                                                          | 41.1                                        | 266.6                             | 137.0                              | 103.5                           |
| Virginia.....                   | 329             | 556.8                       | 231.8                                                 | 154.7       | 137.7                                                         | 81.3                                        | 461.7                             | 177.7                              | 228.0                           |
| West Virginia.....              | 182             | 290.4                       | 118.5                                                 | 84.5        | 69.4                                                          | 47.9                                        | 237.1                             | 114.0                              | 115.0                           |
| North Carolina.....             | 217             | 341.8                       | 108.1                                                 | 115.3       | 102.1                                                         | 42.8                                        | 294.6                             | 156.8                              | 88.9                            |
| South Carolina.....             | 140             | 123.9                       | 44.9                                                  | 33.5        | 40.5                                                          | 13.9                                        | 108.6                             | 67.9                               | 30.7                            |
| Georgia.....                    | 333             | 400.5                       | 175.4                                                 | 89.6        | 108.8                                                         | 62.2                                        | 326.7                             | 155.4                              | 108.1                           |
| Florida.....                    | 151             | 280.2                       | 61.4                                                  | 127.5       | 88.0                                                          | 32.4                                        | 243.0                             | 142.3                              | 63.5                            |
| East South Central.....         | 1,906           | 1,337.6                     | 507.6                                                 | 413.9       | 338.5                                                         | 194.2                                       | 1,098.9                           | 534.0                              | 426.9                           |
| Kentucky.....                   | 449             | 405.4                       | 181.3                                                 | 151.6       | 103.2                                                         | 67.7                                        | 370.7                             | 177.5                              | 142.2                           |
| Tennessee.....                  | 329             | 444.7                       | 161.9                                                 | 124.6       | 135.7                                                         | 57.2                                        | 378.8                             | 175.5                              | 145.3                           |
| Alabama.....                    | 219             | 262.5                       | 109.1                                                 | 78.8        | 56.3                                                          | 45.5                                        | 208.0                             | 107.4                              | 79.3                            |
| Mississippi.....                | 209             | 107.0                       | 55.3                                                  | 68.9        | 43.3                                                          | 23.7                                        | 140.9                             | 73.7                               | 60.1                            |
| West South Central.....         | 1,733           | 2,158.7                     | 645.7                                                 | 685.7       | 704.5                                                         | 305.7                                       | 1,810.9                           | 1,099.1                            | 406.8                           |
| Arkansas.....                   | 241             | 151.3                       | 51.7                                                  | 43.5        | 49.5                                                          | 22.7                                        | 127.4                             | 73.5                               | 41.8                            |
| Louisiana.....                  | 150             | 353.3                       | 115.5                                                 | 112.1       | 108.4                                                         | 43.7                                        | 304.4                             | 155.5                              | 70.5                            |
| Oklahoma.....                   | 406             | 396.1                       | 106.1                                                 | 140.7       | 138.5                                                         | 47.2                                        | 346.8                             | 221.8                              | 78.5                            |
| Texas.....                      | 936             | 1,254.6                     | 372.5                                                 | 389.3       | 408.1                                                         | 192.1                                       | 1,032.3                           | 645.8                              | 195.1                           |
| Mountain.....                   | 522             | 840.6                       | 183.6                                                 | 312.6       | 307.5                                                         | 90.3                                        | 742.2                             | 411.4                              | 258.1                           |
| Montana.....                    | 118             | 120.2                       | 27.3                                                  | 49.8        | 47.1                                                          | 16.5                                        | 112.2                             | 64.2                               | 38.4                            |
| Idaho.....                      | 61              | 78.3                        | 17.8                                                  | 31.9        | 25.8                                                          | 8.2                                         | 69.4                              | 45.6                               | 20.7                            |
| Wyoming.....                    | 59              | 59.5                        | 19.2                                                  | 16.5        | 21.8                                                          | 7.1                                         | 51.3                              | 28.0                               | 19.5                            |
| Colorado.....                   | 159             | 302.5                       | 50.8                                                  | 111.6       | 125.4                                                         | 29.6                                        | 270.0                             | 142.0                              | 92.9                            |
| New Mexico.....                 | 45              | 44.8                        | 15.6                                                  | 15.6        | 16.8                                                          | 4.0                                         | 39.9                              | 29.7                               | 8.4                             |
| Arizona.....                    | 16              | 63.0                        | 15.7                                                  | 22.0        | 22.3                                                          | 6.1                                         | 56.2                              | 35.1                               | 18.6                            |
| Utah.....                       | 59              | 133.6                       | 40.8                                                  | 52.7        | 40.9                                                          | 16.9                                        | 120.8                             | 54.1                               | 52.1                            |
| Nevada.....                     | 10              | 24.8                        | 4.1                                                   | 12.5        | 7.4                                                           | 1.9                                         | 22.4                              | 12.8                               | 8.4                             |
| Pacific.....                    | 584             | 4,469.1                     | 1,666.0                                               | 1,827.7     | 758.9                                                         | 463.0                                       | 3,946.6                           | 1,862.0                            | 2,298.9                         |
| Washington.....                 | 204             | 446.7                       | 138.4                                                 | 137.7       | 107.7                                                         | 52.6                                        | 363.9                             | 174.2                              | 170.2                           |
| Oregon.....                     | 105             | 251.8                       | 58.4                                                  | 113.6       | 65.9                                                          | 22.3                                        | 227.2                             | 114.8                              | 90.7                            |
| California.....                 | 275             | 3,767.6                     | 1,461.2                                               | 1,521.4     | 584.5                                                         | 368.1                                       | 3,325.5                           | 993.0                              | 2,037.9                         |
| Alaska.....                     | 13              | 13.8                        | 4.2                                                   | 5.0         | 4.2                                                           | 1.8                                         | 12.0                              | 6.2                                | 5.0                             |
| Hawaii.....                     | 15              | 112.7                       | 43.6                                                  | 39.8        | 22.0                                                          | 20.4                                        | 91.0                              | 35.9                               | 50.9                            |
| Philippine Islands.....         | 11              | 150.1                       | 69.6                                                  | 24.4        | 37.2                                                          | 25.0                                        | 103.4                             | 33.1                               | 54.8                            |
| Puerto Rico.....                | 14              | 56.0                        | 31.1                                                  | 1.6         | 9.3                                                           | 6.7                                         | 40.8                              | 15.4                               | 17.3                            |
| Virgin Islands.....             | 1               | .8                          | .1                                                    | (*)         | .6                                                            | .2                                          | .6                                | .1                                 | .5                              |

<sup>1</sup> Including reserve with Federal reserve banks, exchanges for clearing house, and other cash items.<sup>2</sup> Includes capital notes and debentures and retirement fund for preferred stock and capital notes, etc.<sup>3</sup> Excludes interbank deposits except as stated in footnote 1, table 253.<sup>4</sup> Less than \$50,000.

Source: Comptroller of the Currency, Treasury Department.

# No. 257.—ALL ACTIVE BANKS: CLASSIFICATION OF LOANS AND INVESTMENTS AS OF JUNE 30

NOTE.—In millions and tenths of millions of dollars. In reports furnished for banks other than national for some States, the classification of loans and investments is incomplete; in such cases, the distribution has been estimated based on classifications reported to Federal Deposit Insurance Corporation

|                                                                                                                                       | 1934     | 1935     |                                                                                                   | 1934    | 1935    |
|---------------------------------------------------------------------------------------------------------------------------------------|----------|----------|---------------------------------------------------------------------------------------------------|---------|---------|
| Loans and discounts, total <sup>1</sup>                                                                                               | 21,431.2 | 20,419.3 | Securities fully guaranteed by U. S. Government:                                                  |         |         |
| Real estate loans, mortgages, deeds of trust, etc.:                                                                                   |          |          | Reconstruction Finance Corp.                                                                      | 235.9   | 246.9   |
| On farm land.....                                                                                                                     | 7,140.0  | 568.6    | Federal Farm Mortgage Corp.                                                                       | 63.3    | 484.5   |
| On other real estate.....                                                                                                             | 8,445.9  | 8,108.0  | Rome Owners' Loan Corp.---                                                                        | 368.4   | 1,351.1 |
| Loans on securities (exclusive of loans to banks).....                                                                                | 5,222.8  | 4,663.3  | Obligations of—                                                                                   |         |         |
| Loans to bank.....                                                                                                                    | 103.9    | 183.0    | Home Owners' Loan Corp. <sup>2</sup> .....                                                        | 202.0   | 13.1    |
| Commercial paper bought in open market; acceptances payable in U. S.; notes, bills, and acceptances payable in foreign countries..... | 632.1    | 894.6    | Federal land banks.....                                                                           |         |         |
| All other loans, incl. overdrafts.....                                                                                                | 6,262.6  | 8,051.7  | Fed. intermediate credit banks.....                                                               | 37.0    | 222.8   |
|                                                                                                                                       |          |          | Joint-stock land banks.....                                                                       |         |         |
| Investments, total.....                                                                                                               | 21,289.5 | 24,217.2 | States, counties, districts, political subdivisions and municipalities.....                       | 3,350.8 | 3,576.2 |
| United States Government securities (direct obligations).....                                                                         | 10,905.7 | 12,201.6 | Bonds, notes, and debentures of railroads, public utilities, and other domestic corporations..... | 4,753.3 | 4,789.7 |
|                                                                                                                                       |          |          | Stock of Fed. Reserve banks and other domestic corporations.....                                  | 770.5   | 800.4   |
|                                                                                                                                       |          |          | Foreign securities.....                                                                           | 422.6   | 359.2   |

<sup>1</sup> Includes rediscunts and overdrafts.

<sup>2</sup> Includes U. S. territories and possessions.

<sup>3</sup> Guaranteed by U. S. as to interest only.

<sup>4</sup> Not including stock.

# No. 258.—NATIONAL BANKS: PRINCIPAL ASSETS AND LIABILITIES

NOTE.—All figures, except number of banks, in millions of dollars. Data include banks in Alaska and Hawaii. Loans and discounts include rediscunts and overdrafts; they exclude acceptances of other banks and bills of exchange or draft sold with indorsement beginning 1921. Undivided profits include, prior to 1920, reserves for dividends, contingencies, etc., and prior to 1925, also reserves for taxes, interest, etc., accrued. Investments include securities borrowed prior to 1903; thereafter, figures represent securities owned. Deposits exclude interbank demand deposits (except as stated in footnote 1, table 253) and U. S. deposits; they also exclude dividends unpaid and, beginning 1910, certified and cashiers' checks outstanding, items at one time included in original figures for demand deposits; they include postal savings

| On or about June 30— | Number of banks | Loans and discounts | Investments | Capital, surplus, undivided profits | Demand and time deposits | Note circulation | On or about June 30—    | Number of banks | Loans and discounts | Investments | Capital, surplus, undivided profits | Demand and time deposits | Note circulation |
|----------------------|-----------------|---------------------|-------------|-------------------------------------|--------------------------|------------------|-------------------------|-----------------|---------------------|-------------|-------------------------------------|--------------------------|------------------|
| 1865.....            | 1,294           | 362                 | 407         | 280                                 | 398                      | 131              | 1903.....               | 4,039           | 3,442               | 1,025       | 1,286                               | 3,201                    | 359              |
| 1870.....            | 1,612           | 719                 | 453         | 562                                 | 542                      | 291              | 1904.....               | 5,331           | 3,622               | 1,096       | 1,849                               | 3,312                    | 400              |
| 1872.....            | 1,853           | 872                 | 450         | 626                                 | 619                      | 327              | 1905.....               | 5,988           | 3,930               | 1,206       | 1,407                               | 3,784                    | 446              |
| 1873.....            | 1,968           | 925                 | 445         | 662                                 | 641                      | 339              | 1906.....               | 6,053           | 4,237               | 1,241       | 1,494                               | 4,056                    | 511              |
| 1874.....            | 1,983           | 926                 | 451         | 676                                 | 623                      | 339              | 1907.....               | 6,429           | 4,664               | 1,362       | 1,608                               | 4,323                    | 548              |
| 1875.....            | 2,076           | 973                 | 443         | 687                                 | 698                      | 318              | 1908.....               | 6,824           | 4,640               | 1,520       | 1,672                               | 4,375                    | 614              |
| 1876.....            | 2,061           | 934                 | 427         | 679                                 | 641                      | 294              | 1909.....               | 6,926           | 5,061               | 1,613       | 1,748                               | 4,899                    | 641              |
| 1877.....            | 2,078           | 902                 | 431         | 656                                 | 636                      | 290              | 1910.....               | 7,145           | 5,456               | 1,576       | 1,857                               | 5,071                    | 676              |
| 1878.....            | 2,056           | 835                 | 460         | 629                                 | 622                      | 300              | 1911.....               | 7,277           | 5,634               | 1,726       | 1,940                               | 5,314                    | 682              |
| 1879.....            | 2,048           | 836                 | 715         | 615                                 | 649                      | 307              | 1912.....               | 7,372           | 5,974               | 1,823       | 1,990                               | 5,671                    | 709              |
| 1880.....            | 2,076           | 995                 | 451         | 624                                 | 634                      | 318              | 1913.....               | 7,473           | 6,102               | 1,846       | 2,053                               | 5,829                    | 722              |
| 1881.....            | 2,115           | 1,145               | 484         | 942                                 | 1,032                    | 312              | 1914.....               | 7,525           | 6,446               | 1,871       | 2,058                               | 6,125                    | 723              |
| 1882.....            | 2,239           | 1,209               | 471         | 960                                 | 1,067                    | 309              | 1915.....               | 7,605           | 6,665               | 2,026       | 2,105                               | 6,429                    | 723              |
| 1883.....            | 2,417           | 1,286               | 465         | 707                                 | 1,043                    | 312              | 1916.....               | 7,579           | 7,769               | 2,321       | 2,103                               | 7,830                    | 676              |
| 1884.....            | 2,625           | 1,270               | 449         | 739                                 | 979                      | 295              | 1917.....               | 7,604           | 8,992               | 2,962       | 2,218                               | 9,321                    | 660              |
| 1885.....            | 2,689           | 1,258               | 432         | 725                                 | 1,106                    | 269              | 1918.....               | 7,705           | 10,165              | 3,887       | 2,279                               | 10,006                   | 682              |
| 1886.....            | 2,809           | 1,399               | 407         | 760                                 | 1,146                    | 245              | 1919.....               | 7,785           | 11,027              | 4,811       | 2,418                               | 11,865                   | 677              |
| 1887.....            | 3,014           | 1,560               | 329         | 806                                 | 1,285                    | 167              | 1920.....               | 8,003           | 13,637              | 4,051       | 2,684                               | 13,672                   | 688              |
| 1888.....            | 3,120           | 1,628               | 356         | 842                                 | 1,292                    | 155              | 1921.....               | 8,154           | 11,980              | 3,922       | 2,796                               | 12,373                   | 704              |
| 1889.....            | 3,239           | 1,779               | 323         | 875                                 | 1,442                    | 129              | 1922.....               | 8,249           | 11,103              | 4,518       | 2,848                               | 13,229                   | 726              |
| 1890.....            | 3,484           | 1,934               | 311         | 935                                 | 1,522                    | 126              | 1923.....               | 8,241           | 11,780              | 5,032       | 2,876                               | 14,009                   | 720              |
| 1891.....            | 3,652           | 1,964               | 309         | 988                                 | 1,535                    | 124              | 1924.....               | 8,085           | 11,958              | 5,107       | 2,916                               | 14,819                   | 730              |
| 1892.....            | 3,769           | 2,128               | 347         | 1,011                               | 1,753                    | 141              | 1925.....               | 8,072           | 12,596              | 5,705       | 2,970                               | 16,321                   | 645              |
| 1893.....            | 3,807           | 2,020               | 357         | 1,029                               | 1,557                    | 155              | 1926.....               | 7,978           | 13,327              | 5,842       | 3,080                               | 17,057                   | 651              |
| 1894.....            | 3,770           | 1,944               | 435         | 1,001                               | 1,678                    | 172              | 1927.....               | 7,796           | 13,854              | 6,363       | 3,240                               | 18,203                   | 651              |
| 1895.....            | 3,715           | 2,017               | 447         | 987                                 | 1,736                    | 179              | 1928.....               | 7,691           | 14,927              | 7,147       | 3,571                               | 19,309                   | 649              |
| 1896.....            | 3,689           | 1,972               | 464         | 983                                 | 1,698                    | 199              | 1929.....               | 7,536           | 14,811              | 6,657       | 3,594                               | 18,821                   | 649              |
| 1897.....            | 3,610           | 1,978               | 484         | 962                                 | 1,770                    | 197              | 1930.....               | 7,252           | 14,897              | 6,588       | 3,681                               | 19,679                   | 652              |
| 1898.....            | 3,582           | 2,164               | 555         | 955                                 | 2,023                    | 190              | 1931.....               | 6,805           | 13,185              | 7,675       | 3,625                               | 18,685                   | 639              |
| 1899.....            | 3,683           | 2,508               | 552         | 947                                 | 2,522                    | 199              | 1932.....               | 6,150           | 10,286              | 7,197       | 3,131                               | 15,205                   | 652              |
| 1900.....            | 3,732           | 2,644               | 775         | 1,013                               | 2,458                    | 265              | 1933 <sup>1</sup> ..... | 4,902           | 8,120               | 7,372       | 2,692                               | 14,111                   | 730              |
| 1901.....            | 4,165           | 2,981               | 886         | 1,062                               | 2,942                    | 319              | 1934 <sup>1</sup> ..... | 5,422           | 7,698               | 9,349       | 2,849                               | 16,172                   | 698              |
| 1902.....            | 4,535           | 3,247               | 945         | 1,184                               | 3,099                    | 309              | 1935 <sup>1</sup> ..... | 5,431           | 7,369               | 10,716      | 2,939                               | 18,543                   | 222              |

<sup>1</sup> Licensed banks (banks operating on an unrestricted basis).

Source of tables 257 and 258: Comptroller of the Currency, Treasury Department.

## No. 259.—NATIONAL BANKS: ASSETS AND LIABILITIES AS OF DEC. 31

NOTE.—In millions of dollars. Data include banks in Alaska, Hawaii, and for 1935, Virgin Islands

|                                                                     | 1920   | 1922   | 1924   | 1925   | 1926   | 1927   | 1928   | 1929   | 1930   |
|---------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Assets, total <sup>1</sup></b>                                   | 22,799 | 21,975 | 24,331 | 25,552 | 25,684 | 28,184 | 30,589 | 28,882 | 28,800 |
| Loans and discounts <sup>2</sup>                                    | 13,544 | 11,552 | 12,218 | 13,423 | 13,487 | 14,647 | 15,281 | 15,160 | 14,399 |
| United States Government securities owned                           | 1,991  | 2,622  | 2,558  | 2,490  | 2,283  | 2,748  | 3,009  | 2,612  | 2,655  |
| Other bonds, stocks, securities, etc., owned                        | 1,986  | 2,344  | 3,073  | 3,248  | 3,508  | 4,152  | 4,119  | 3,848  | 4,437  |
| Reserve with Federal reserve banks                                  | 1,185  | 1,221  | 1,394  | 1,377  | 1,359  | 1,509  | 1,496  | 1,348  | 1,400  |
| Cash in vault                                                       | 494    | 392    | 410    | 390    | 363    | 361    | 388    | 393    | 409    |
| Balances with other banks and cash items <sup>4</sup>               | 2,352  | 2,748  | 4,420  | 3,499  | 3,251  | 3,060  | 4,301  | 3,505  | 3,401  |
| <b>Liabilities, total <sup>1</sup></b>                              | 22,799 | 21,975 | 24,331 | 25,552 | 25,684 | 28,184 | 30,589 | 28,882 | 28,800 |
| Demand deposits, except interbank and U. S. deposits                | 9,501  | 9,529  | 10,326 | 11,112 | 10,730 | 11,230 | 11,781 | 11,089 | 10,639 |
| Time deposits, including postal savings                             | 3,632  | 4,319  | 5,581  | 6,047  | 6,533  | 7,808  | 8,307  | 8,434  | 8,727  |
| United States deposits                                              | 212    | 304    | 153    | 193    | 128    | 169    | 136    | 103    | 163    |
| Demand deposits of other banks, certified checks, etc. <sup>5</sup> | 2,934  | 3,266  | 3,908  | 3,686  | 3,431  | 3,661  | 4,074  | 3,146  | 3,342  |
| <b>Total deposits</b>                                               | 16,279 | 17,419 | 19,969 | 21,050 | 20,833 | 22,869 | 24,347 | 22,775 | 22,872 |
| Interest, taxes, etc., accrued                                      | 68     | (6)    | 61     | 59     | 61     | 76     | 67     | 72     | 64     |
| Circulation outstanding                                             | 694    | 724    | 715    | 648    | 646    | 650    | 650    | 646    | 643    |
| Bills payable and rediscounts                                       | 2,343  | 512    | 287    | 525    | 530    | 481    | 785    | 546    | 256    |
| Capital stock                                                       | 1,272  | 1,317  | 1,335  | 1,379  | 1,411  | 1,529  | 1,616  | 1,704  | 1,722  |
| Surplus                                                             | 1,020  | 1,076  | 1,080  | 1,167  | 1,217  | 1,314  | 1,490  | 1,548  | 1,548  |
| Undivided profits                                                   |        |        |        |        |        |        | 492    | 497    | 516    |
| Reserves for dividends, contingencies, etc.                         | 400    | 7529   | 442    | 476    | 477    | 531    | 85     | 92     | 109    |

  

|                                                                     | 1931   | 1932   | 1933 <sup>6</sup> | 1934 <sup>6</sup> | 1935 <sup>6</sup> |                        |                      |               |
|---------------------------------------------------------------------|--------|--------|-------------------|-------------------|-------------------|------------------------|----------------------|---------------|
|                                                                     |        |        |                   |                   | All banks         | Central reserve cities | Other reserve cities | Country banks |
| <b>Assets, total <sup>1</sup></b>                                   | 24,682 | 23,311 | 21,747            | 25,630            | 28,225            | 7,162                  | 11,360               | 9,702         |
| Loans and discounts <sup>2</sup>                                    | 11,927 | 9,348  | 8,104             | 7,492             | 7,509             | 1,621                  | 3,030                | 2,858         |
| U. S. Government securities owned, direct obligations               | 3,176  | 3,761  | 4,466             | 6,262             | 6,555             | 1,991                  | 3,089                | 1,474         |
| Obligations fully guaranteed by U. S. Government                    |        |        |                   | 098               | 1,257             | 283                    | 472                  | 502           |
| Other bonds, stocks, securities, etc., owned                        | 4,025  | 3,823  | 3,402             | 3,496             | 3,665             | 667                    | 1,064                | 1,934         |
| Reserve with Federal Reserve banks                                  | 1,138  | 1,625  | 1,747             | 2,525             | 3,437             | 1,568                  | 1,156                | 714           |
| Cash in vault                                                       | 380    | 309    | 343               | 456               | 494               | 47                     | 205                  | 242           |
| Balances with other banks and cash items <sup>4</sup>               | 2,381  | 2,579  | 2,357             | 3,509             | 4,210             | 731                    | 1,952                | 1,527         |
| <b>Liabilities, total <sup>1</sup></b>                              | 24,682 | 23,311 | 21,747            | 25,630            | 28,225            | 7,162                  | 11,360               | 9,702         |
| Demand deposits, except inter-bank and U. S. deposits               | 9,071  | 8,276  | 8,340             | 10,391            | 12,532            | 3,794                  | 4,837                | 3,952         |
| Time deposits, incl. postal savings                                 | 7,610  | 7,377  | 6,393             | 7,016             | 7,438             | 575                    | 2,932                | 3,011         |
| United States deposits                                              | 261    | 253    | 555               | 887               | 585               | 192                    | 285                  | 108           |
| Demand deposits of other banks, certified checks, etc. <sup>5</sup> | 2,301  | 2,613  | 2,303             | 3,382             | 4,242             | 1,706                  | 2,114                | 422           |
| <b>Total deposits</b>                                               | 19,244 | 18,513 | 17,590            | 21,676            | 24,848            | 6,267                  | 10,188               | 8,393         |
| Interest, taxes, etc., accrued                                      | 53     | 46     | 45                | 39                | 43                | 16                     |                      | 10            |
| Circulation outstanding                                             | 627    | 780    | 779               | 654               |                   |                        |                      |               |
| Bills payable and rediscounts                                       | 555    | 349    | 82                | 8                 | 3                 |                        |                      | 3             |
| Capital stock                                                       | 1,621  | 1,634  | 1,588             | 1,786             | 1,758             | 433                    | 568                  | 767           |
| Surplus                                                             | 1,382  | 1,173  | 881               | 838               | 888               | 204                    | 336                  | 343           |
| Undivided profits—net                                               | 352    | 270    | 236               | 261               | 302               | 53                     | 116                  | 133           |
| Reserves for contingencies                                          | 10 171 | 11 167 | 11 197            | 12 144            | 12 156            | 12 50                  | 12 71                | 12 36         |

<sup>1</sup> Includes unspecified items.<sup>2</sup> Includes rediscounts and overdrafts.<sup>3</sup> Includes acceptances of other banks and bills of exchange or drafts sold with indorsement.<sup>4</sup> Includes exchanges for clearing house, cash items in process of collection, and, prior to 1935, cash items not in process of collection. The latter amounted to \$12,000,000 for Dec. 31, 1935.<sup>5</sup> Includes certified and cashiers' checks, and cash letters of credit and travelers' checks outstanding.<sup>6</sup> Includes with undivided profits, reserves, etc.<sup>7</sup> Includes reserves for interest, taxes, etc., accrued.<sup>8</sup> Licensed banks (banks operating on an unrestricted basis).<sup>9</sup> Includes Home Owners' Loan Corporation bond guaranteed by United States as to interest only.<sup>10</sup> Includes reserves for dividends.<sup>11</sup> Includes amounts set aside for dividends not declared.<sup>12</sup> Includes preferred stock retirement fund.

Source: Comptroller of the Currency, Treasury Department.

## No. 260.—NATIONAL BANKS: SUMMARY, BY STATES, DEC. 31, 1935

NOTE.—All money figures in thousands of dollars. Figures include Reserve cities in each State

| Division and State or Territory | Number of banks | Total assets or liabilities | Loans and discounts, (incl. rediscounts) <sup>1</sup> | Investments       | Cash balances with other banks and cash items <sup>2</sup> | Capital, surplus, and reserves <sup>3</sup> | Deposits                         |                                   |                            |
|---------------------------------|-----------------|-----------------------------|-------------------------------------------------------|-------------------|------------------------------------------------------------|---------------------------------------------|----------------------------------|-----------------------------------|----------------------------|
|                                 |                 |                             |                                                       |                   |                                                            |                                             | Total, incl. interbank and U. S. | Demand, incl. interbank and U. S. | Time, incl. postal savings |
| <b>Grand total.....</b>         | <b>6,392</b>    | <b>23,294,701</b>           | <b>7,508,784</b>                                      | <b>11,477,536</b> | <b>8,140,322</b>                                           | <b>8,106,181</b>                            | <b>24,847,733</b>                | <b>12,582,081</b>                 | <b>7,438,121</b>           |
| <b>Continental U. S.....</b>    | <b>5,398</b>    | <b>21,173,180</b>           | <b>7,494,188</b>                                      | <b>11,456,502</b> | <b>8,127,103</b>                                           | <b>8,069,049</b>                            | <b>24,802,401</b>                | <b>12,560,936</b>                 | <b>7,417,014</b>           |
| <b>New England.....</b>         | <b>390</b>      | <b>2,162,813</b>            | <b>708,112</b>                                        | <b>717,443</b>    | <b>660,063</b>                                             | <b>289,785</b>                              | <b>1,848,385</b>                 | <b>1,042,445</b>                  | <b>513,661</b>             |
| Maine.....                      | 40              | 129,594                     | 36,251                                                | 83,984            | 26,752                                                     | 17,147                                      | 112,156                          | 35,502                            | 69,627                     |
| New Hampshire.....              | 52              | 74,475                      | 26,796                                                | 29,657            | 15,282                                                     | 13,550                                      | 60,416                           | 32,059                            | 22,478                     |
| Vermont.....                    | 43              | 68,853                      | 20,428                                                | 25,676            | 10,946                                                     | 9,812                                       | 48,862                           | 14,904                            | 31,881                     |
| Massachusetts.....              | 129             | 1,499,601                   | 482,780                                               | 453,010           | 409,803                                                    | 193,992                                     | 1,284,559                        | 706,605                           | 270,904                    |
| Rhode Island.....               | 12              | 100,120                     | 36,849                                                | 42,182            | 19,762                                                     | 16,170                                      | 83,320                           | 52,113                            | 18,337                     |
| Connecticut.....                | 54              | 300,175                     | 103,608                                               | 102,933           | 77,518                                                     | 39,094                                      | 259,362                          | 141,202                           | 94,334                     |
| <b>Middle Atlantic.....</b>     | <b>1,404</b>    | <b>9,088,333</b>            | <b>2,531,036</b>                                      | <b>4,162,211</b>  | <b>2,572,283</b>                                           | <b>1,216,761</b>                            | <b>8,268,824</b>                 | <b>4,236,896</b>                  | <b>2,232,081</b>           |
| New York.....                   | 459             | 5,922,972                   | 1,531,734                                             | 2,403,800         | 1,763,459                                                  | 700,317                                     | 5,094,804                        | 2,928,086                         | 780,438                    |
| New Jersey.....                 | 236             | 818,505                     | 221,808                                               | 378,602           | 168,961                                                    | 97,686                                      | 717,032                          | 294,342                           | 388,581                    |
| Pennsylvania.....               | 709             | 2,926,906                   | 777,496                                               | 1,309,809         | 539,848                                                    | 413,768                                     | 2,480,958                        | 1,007,893                         | 1,063,062                  |
| <b>E. N. Central.....</b>       | <b>863</b>      | <b>5,487,249</b>            | <b>1,079,747</b>                                      | <b>2,487,438</b>  | <b>1,754,342</b>                                           | <b>609,880</b>                              | <b>4,933,500</b>                 | <b>2,741,505</b>                  | <b>1,303,103</b>           |
| Ohio.....                       | 249             | 1,014,041                   | 264,117                                               | 432,072           | 270,859                                                    | 119,710                                     | 891,252                          | 461,054                           | 326,809                    |
| Indiana.....                    | 125             | 405,656                     | 82,874                                                | 172,507           | 136,233                                                    | 40,437                                      | 364,428                          | 201,052                           | 108,565                    |
| Illinois.....                   | 269             | 2,866,721                   | 622,869                                               | 1,306,491         | 934,603                                                    | 244,586                                     | 2,678,983                        | 1,483,303                         | 498,973                    |
| Michigan.....                   | 34              | 743,942                     | 117,453                                               | 336,033           | 272,650                                                    | 57,982                                      | 681,583                          | 400,418                           | 200,880                    |
| Wisconsin.....                  | 106             | 466,889                     | 93,434                                                | 220,385           | 133,997                                                    | 47,145                                      | 417,254                          | 195,018                           | 167,876                    |
| <b>W. N. Central.....</b>       | <b>855</b>      | <b>2,283,420</b>            | <b>582,054</b>                                        | <b>859,774</b>    | <b>747,907</b>                                             | <b>207,362</b>                              | <b>2,036,386</b>                 | <b>1,051,894</b>                  | <b>494,346</b>             |
| Minnesota.....                  | 205             | 729,985                     | 214,121                                               | 281,514           | 208,349                                                    | 71,737                                      | 649,641                          | 306,228                           | 200,465                    |
| Iowa.....                       | 118             | 285,669                     | 68,167                                                | 98,504            | 67,269                                                     | 23,141                                      | 213,084                          | 131,761                           | 59,456                     |
| Missouri.....                   | 87              | 650,612                     | 143,636                                               | 259,812           | 236,026                                                    | 46,177                                      | 599,756                          | 296,845                           | 104,015                    |
| North Dakota.....               | 67              | 59,958                      | 16,737                                                | 22,142            | 18,123                                                     | 7,309                                       | 52,555                           | 26,710                            | 22,271                     |
| South Dakota.....               | 62              | 57,599                      | 17,601                                                | 20,422            | 10,720                                                     | 6,944                                       | 50,415                           | 30,374                            | 15,971                     |
| Nebraska.....                   | 137             | 296,952                     | 66,614                                                | 100,688           | 88,960                                                     | 24,238                                      | 241,555                          | 132,945                           | 45,582                     |
| Kansas.....                     | 190             | 254,635                     | 56,878                                                | 76,622            | 112,457                                                    | 24,916                                      | 226,380                          | 146,781                           | 40,586                     |
| <b>South Atlantic.....</b>      | <b>471</b>      | <b>1,782,871</b>            | <b>479,587</b>                                        | <b>678,467</b>    | <b>556,293</b>                                             | <b>194,215</b>                              | <b>1,682,565</b>                 | <b>783,680</b>                    | <b>500,015</b>             |
| Delaware.....                   | 16              | 22,096                      | 7,853                                                 | 9,605             | 3,408                                                      | 5,088                                       | 16,897                           | 6,937                             | 8,870                      |
| Maryland.....                   | 63              | 337,330                     | 56,177                                                | 195,928           | 77,525                                                     | 30,851                                      | 305,514                          | 128,781                           | 98,159                     |
| Dist. of Col.....               | 9               | 189,597                     | 36,674                                                | 73,276            | 68,552                                                     | 17,360                                      | 171,268                          | 97,876                            | 48,764                     |
| Virginia.....                   | 132             | 363,614                     | 122,078                                               | 90,310            | 117,121                                                    | 45,406                                      | 316,674                          | 125,129                           | 137,082                    |
| West Virginia.....              | 79              | 151,584                     | 55,634                                                | 48,928            | 36,992                                                     | 21,367                                      | 129,829                          | 64,597                            | 54,772                     |
| North Carolina.....             | 44              | 100,672                     | 29,625                                                | 30,537            | 36,377                                                     | 12,478                                      | 87,897                           | 51,692                            | 26,278                     |
| South Carolina.....             | 20              | 79,474                      | 20,853                                                | 21,593            | 34,866                                                     | 6,944                                       | 72,429                           | 60,202                            | 14,124                     |
| Georgia.....                    | 57              | 302,494                     | 92,940                                                | 66,418            | 100,357                                                    | 31,368                                      | 269,852                          | 113,143                           | 65,982                     |
| Florida.....                    | 51              | 236,010                     | 44,874                                                | 100,874           | 81,095                                                     | 23,424                                      | 212,215                          | 124,209                           | 45,984                     |
| <b>E. S. Central.....</b>       | <b>266</b>      | <b>892,833</b>              | <b>284,787</b>                                        | <b>288,747</b>    | <b>281,381</b>                                             | <b>106,928</b>                              | <b>782,218</b>                   | <b>361,776</b>                    | <b>258,168</b>             |
| Kentucky.....                   | 100             | 252,208                     | 89,945                                                | 85,248            | 69,581                                                     | 28,613                                      | 222,437                          | 108,804                           | 72,050                     |
| Tennessee.....                  | 72              | 368,186                     | 113,163                                               | 119,153           | 121,537                                                    | 39,025                                      | 327,820                          | 139,054                           | 105,141                    |
| Alabama.....                    | 69              | 207,795                     | 64,029                                                | 60,891            | 69,843                                                     | 31,636                                      | 175,013                          | 88,762                            | 57,858                     |
| Mississippi.....                | 25              | 64,644                      | 17,647                                                | 23,455            | 20,415                                                     | 7,454                                       | 56,948                           | 28,156                            | 23,108                     |
| <b>W. S. Central.....</b>       | <b>748</b>      | <b>1,920,916</b>            | <b>504,847</b>                                        | <b>624,242</b>    | <b>720,218</b>                                             | <b>207,351</b>                              | <b>1,703,458</b>                 | <b>952,491</b>                    | <b>328,830</b>             |
| Arkansas.....                   | 50              | 98,629                      | 26,841                                                | 32,400            | 36,533                                                     | 11,080                                      | 87,304                           | 44,688                            | 25,998                     |
| Louisiana.....                  | 30              | 293,956                     | 72,673                                                | 103,776           | 105,046                                                    | 24,677                                      | 267,395                          | 130,791                           | 67,889                     |
| Oklahoma.....                   | 214             | 382,842                     | 96,864                                                | 127,394           | 145,708                                                    | 42,174                                      | 339,587                          | 196,101                           | 71,816                     |
| Texas.....                      | 454             | 1,145,488                   | 308,669                                               | 360,672           | 431,769                                                    | 130,020                                     | 1,009,172                        | 580,911                           | 171,127                    |
| <b>Mountain.....</b>            | <b>224</b>      | <b>622,246</b>              | <b>131,894</b>                                        | <b>226,603</b>    | <b>248,045</b>                                             | <b>66,063</b>                               | <b>564,581</b>                   | <b>318,651</b>                    | <b>168,818</b>             |
| Montana.....                    | 46              | 86,758                      | 16,384                                                | 32,517            | 34,772                                                     | 8,404                                       | 78,173                           | 47,086                            | 24,111                     |
| Idaho.....                      | 23              | 38,206                      | 7,635                                                 | 15,791            | 13,520                                                     | 3,894                                       | 34,784                           | 22,431                            | 10,186                     |
| Wyoming.....                    | 26              | 46,330                      | 11,887                                                | 12,158            | 21,107                                                     | 4,807                                       | 41,459                           | 22,380                            | 14,151                     |
| Colorado.....                   | 81              | 270,642                     | 52,975                                                | 103,511           | 108,712                                                    | 23,890                                      | 246,020                          | 127,084                           | 76,909                     |
| New Mexico.....                 | 22              | 37,883                      | 9,016                                                 | 12,161            | 15,495                                                     | 3,060                                       | 34,775                           | 25,715                            | 8,964                      |
| Arizona.....                    | 7               | 46,197                      | 12,565                                                | 15,426            | 10,385                                                     | 3,871                                       | 42,009                           | 29,978                            | 9,459                      |
| Utah.....                       | 13              | 73,075                      | 17,724                                                | 23,733            | 30,540                                                     | 6,916                                       | 66,022                           | 31,805                            | 19,170                     |
| Nevada.....                     | 6               | 23,155                      | 3,808                                                 | 11,306            | 7,608                                                      | 1,621                                       | 21,339                           | 12,172                            | 7,859                      |
| <b>Pacific.....</b>             | <b>226</b>      | <b>3,382,445</b>            | <b>1,194,065</b>                                      | <b>1,443,538</b>  | <b>596,593</b>                                             | <b>310,743</b>                              | <b>3,052,504</b>                 | <b>1,092,928</b>                  | <b>1,620,004</b>           |
| Washington.....                 | 58              | 841,083                     | 28,368                                                | 139,804           | 92,642                                                     | 35,263                                      | 806,507                          | 161,034                           | 90,621                     |
| Oregon.....                     | 44              | 290,569                     | 49,508                                                | 113,619           | 55,511                                                     | 17,822                                      | 211,919                          | 112,102                           | 78,327                     |
| California.....                 | 123             | 2,810,793                   | 1,046,179                                             | 1,190,106         | 446,440                                                    | 259,658                                     | 2,634,078                        | 819,792                           | 1,451,056                  |
| <b>Alaska.....</b>              | <b>4</b>        | <b>5,668</b>                | <b>1,350</b>                                          | <b>1,662</b>      | <b>2,449</b>                                               | <b>529</b>                                  | <b>5,186</b>                     | <b>3,041</b>                      | <b>1,711</b>               |
| <b>Hawaii.....</b>              | <b>1</b>        | <b>44,549</b>               | <b>13,699</b>                                         | <b>18,890</b>     | <b>10,188</b>                                              | <b>5,427</b>                                | <b>39,063</b>                    | <b>17,764</b>                     | <b>18,646</b>              |
| <b>Virgin Islands.....</b>      | <b>1</b>        | <b>1,304</b>                | <b>207</b>                                            | <b>432</b>        | <b>577</b>                                                 | <b>156</b>                                  | <b>1,133</b>                     | <b>290</b>                        | <b>750</b>                 |

<sup>1</sup> Includes overdrafts.<sup>2</sup> Includes reserve with Federal Reserve banks, exchanges for clearing house, and cash items in process of collection.<sup>3</sup> Includes preferred stock retirement fund.<sup>4</sup> As of Nov. 1, 1935.

Source: Comptroller of the Currency, Treasury Department.

## No. 261.—NATIONAL BANKS: DIVIDENDS AND EARNINGS

NOTE.—All figures, except ratios, in millions and tenths of millions of dollars. Net additions to profits are calculated before deducting dividends. Data include banks in Alaska and Hawaii and for 1935, in Virgin Islands

| Yearly average or<br>year (years ended<br>June 30) <sup>1</sup> | Capital, par<br>value   |                      | Surplus | Net<br>addi-<br>tion<br>to<br>profits | Dividends                     |                            | Ratios (percent)                    |                                          |                                          |                                                                |
|-----------------------------------------------------------------|-------------------------|----------------------|---------|---------------------------------------|-------------------------------|----------------------------|-------------------------------------|------------------------------------------|------------------------------------------|----------------------------------------------------------------|
|                                                                 | Pre-<br>ferred<br>stock | Com-<br>mon<br>stock |         |                                       | On<br>pre-<br>ferred<br>stock | On<br>com-<br>mon<br>stock | Dividends on<br>common stock<br>to— |                                          | Net additions<br>to profits to—          |                                                                |
|                                                                 |                         |                      |         |                                       |                               |                            | Com-<br>mon<br>capital              | Com-<br>mon<br>capital<br>and<br>surplus | Com-<br>mon<br>capital<br>and<br>surplus | Com-<br>mon<br>and pre-<br>ferred<br>capital<br>and<br>surplus |
| 1891-1895                                                       |                         | 668.8                | 236.2   | 62.7                                  |                               | 49.0                       | 7.3                                 | 5.4                                      | 6.9                                      |                                                                |
| 1896-1900                                                       |                         | 629.2                | 248.1   | 52.4                                  |                               | 45.0                       | 7.2                                 | 5.1                                      | 6.0                                      |                                                                |
| 1901-1905                                                       |                         | 697.1                | 328.6   | 102.2                                 |                               | 64.0                       | 9.2                                 | 6.2                                      | 10.0                                     |                                                                |
| 1906-1910 <sup>2</sup>                                          |                         | 880.1                | 536.9   | 140.7                                 |                               | 97.9                       | 11.13                               | 6.91                                     | 9.93                                     |                                                                |
| 1911-1915                                                       |                         | 1,044.8              | 708.1   | 148.7                                 |                               | 117.9                      | 11.29                               | 6.73                                     | 8.48                                     |                                                                |
| 1916                                                            |                         | 1,068.6              | 726.6   | 127.1                                 |                               | 113.7                      | 10.63                               | 6.33                                     | 7.08                                     |                                                                |
| 1916                                                            |                         | 1,066.2              | 731.8   | 157.5                                 |                               | 114.7                      | 10.76                               | 6.38                                     | 8.76                                     |                                                                |
| 1917                                                            |                         | 1,081.7              | 765.9   | 194.3                                 |                               | 125.5                      | 11.61                               | 6.79                                     | 10.52                                    |                                                                |
| 1918                                                            |                         | 1,098.3              | 816.8   | 212.3                                 |                               | 129.8                      | 11.82                               | 6.78                                     | 11.09                                    |                                                                |
| 1919                                                            |                         | 1,115.5              | 869.5   | 240.4                                 |                               | 135.6                      | 12.15                               | 6.83                                     | 12.11                                    |                                                                |
| 1920                                                            |                         | 1,221.5              | 985.0   | 282.1                                 |                               | 147.8                      | 12.10                               | 6.70                                     | 12.73                                    |                                                                |
| 1921                                                            |                         | 1,273.2              | 1,026.3 | 216.1                                 |                               | 158.2                      | 12.42                               | 6.88                                     | 9.40                                     |                                                                |
| 1922                                                            |                         | 1,307.2              | 1,042.2 | 183.7                                 |                               | 165.9                      | 12.69                               | 7.04                                     | 7.79                                     |                                                                |
| 1923                                                            |                         | 1,328.8              | 1,070.6 | 203.5                                 |                               | 179.2                      | 13.48                               | 7.47                                     | 8.48                                     |                                                                |
| 1924                                                            |                         | 1,334.0              | 1,080.6 | 195.7                                 |                               | 163.7                      | 12.27                               | 6.78                                     | 8.11                                     |                                                                |
| 1925                                                            |                         | 1,369.4              | 1,119.0 | 223.9                                 |                               | 165.0                      | 12.05                               | 6.63                                     | 9.00                                     |                                                                |
| 1926                                                            |                         | 1,412.9              | 1,198.9 | 249.2                                 |                               | 173.8                      | 12.30                               | 6.65                                     | 9.54                                     |                                                                |
| 1927                                                            |                         | 1,474.2              | 1,256.9 | 252.3                                 |                               | 180.8                      | 12.26                               | 6.62                                     | 9.24                                     |                                                                |
| 1928                                                            |                         | 1,593.9              | 1,419.7 | 270.2                                 |                               | 205.4                      | 12.88                               | 6.81                                     | 8.96                                     |                                                                |
| 1929                                                            |                         | 1,627.4              | 1,479.1 | 301.8                                 |                               | 222.7                      | 13.68                               | 7.17                                     | 9.72                                     |                                                                |
| 1930                                                            |                         | 1,744.0              | 1,591.3 | 246.3                                 |                               | 237.0                      | 13.59                               | 7.11                                     | 7.38                                     |                                                                |
| 1931                                                            |                         | 1,687.7              | 1,493.9 | 52.5                                  |                               | 211.3                      | 12.62                               | 6.64                                     | 1.65                                     |                                                                |
| 1932                                                            |                         | 1,569.0              | 1,259.4 | <sup>3</sup> 139.8                    |                               | 169.2                      | 10.78                               | 5.98                                     | <sup>3</sup> 4.94                        |                                                                |
| 1933                                                            | 53.8                    | 1,463.4              | 940.6   | <sup>3</sup> 218.4                    | ( <sup>4</sup> )              | 99.1                       | 6.77                                | 4.12                                     | <sup>3</sup> 6.03                        | <sup>3</sup> 8.89                                              |
| 1934                                                            | 412.1                   | 1,326.7              | 864.1   | <sup>3</sup> 505.5                    | 3.4                           | 72.4                       | 5.46                                | 3.32                                     | <sup>3</sup> 13.98                       | <sup>3</sup> 11.77                                             |
| 1935                                                            | 525.1                   | 1,288.8              | 831.8   | 71.4                                  | 16.2                          | 87.2                       | 6.77                                | 4.11                                     | 3.37                                     | 2.70                                                           |

<sup>1</sup> Mar. 1 prior to 1907. <sup>2</sup> Average for period Mar. 1, 1905 to July 1, 1910. <sup>3</sup> Deficit. <sup>4</sup> Less than \$50,000. Source: Comptroller of the Currency, Treasury Department.

## No. 262.—NATIONAL BANKS: CLASSIFICATION OF LOANS AND INVESTMENTS AS OF DEC. 31

[All figures in millions and tenths of millions of dollars]

|                                                                                                                                                          | 1930     | 1932    | 1933    | 1934     | 1935     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|---------|----------|----------|
| Loans and discounts, total <sup>1</sup> .....                                                                                                            | 14,369.4 | 9,847.7 | 8,104.2 | 7,492.0  | 7,508.8  |
| Real estate loans, mortgages, deeds of trust, and other liens on real estate.....                                                                        | 1,576.2  | 1,641.0 | 1,339.7 | 1,300.9  | 1,320.2  |
| On farm land.....                                                                                                                                        | 301.7    | 297.5   | 258.6   | 218.3    | 209.0    |
| On other real estate.....                                                                                                                                | 1,274.5  | 1,343.5 | 1,081.2 | 1,082.5  | 1,111.2  |
| Loans on securities (exclusive of loans to banks).....                                                                                                   | 5,112.8  | 3,198.1 | 2,707.7 | 2,369.9  | 2,207.9  |
| To brokers and dealers in New York City.....                                                                                                             | 665.3    | 126.3   | 314.9   | 319.4    | 313.0    |
| To brokers and dealers elsewhere.....                                                                                                                    | 327.4    | 170.9   | 91.1    | 109.0    | 113.2    |
| To others.....                                                                                                                                           | 4,120.1  | 2,900.9 | 2,301.7 | 1,941.5  | 1,781.7  |
| Loans to banks and trust companies.....                                                                                                                  | 407.8    | 310.3   | 188.6   | 106.5    | 63.6     |
| On securities.....                                                                                                                                       | 190.9    | 166.4   | 105.9   | 35.5     | 20.0     |
| On other.....                                                                                                                                            | 216.9    | 143.8   | 82.7    | 71.0     | 43.7     |
| Commercial paper bought in open market.....                                                                                                              | 279.5    | 55.5    | 81.8    | 164.2    | 205.5    |
| Acceptances of other banks payable in United States. Notes, bills, acceptances, and other instruments evidencing loans payable in foreign countries..... | 35.4     | 20.6    | 32.5    | 16.2     | 13.1     |
| All other loans, incl. reporting banks' own acceptances purchased or discounted and overdrafts.....                                                      | 6,788.2  | 4,469.1 | 3,648.9 | 3,442.5  | 3,629.9  |
| Total loans eligible for rediscounts with Federal Reserve banks, including paper under rediscount.....                                                   | 2,490.9  | 1,518.9 | 1,440.6 | 1,439.6  | 1,486.5  |
| Investments, total.....                                                                                                                                  | 7,092.1  | 7,583.4 | 7,870.8 | 10,455.9 | 11,477.5 |
| U. S. Government securities, direct obligations.....                                                                                                     | 2,654.8  | 3,760.9 | 4,469.1 | 6,262.1  | 6,554.8  |
| Obligations fully guaranteed by United States.....                                                                                                       |          |         |         | 698.1    | 1,257.3  |
| Reconstruction Finance Corporation.....                                                                                                                  |          |         |         | 185.0    | 165.5    |
| Federal Farm Mortgage Corporation.....                                                                                                                   |          |         |         | 153.6    | 319.1    |
| Home Owners' Loan Corporation.....                                                                                                                       |          |         |         | 328.6    | 754.7    |

<sup>1</sup> Includes rediscounts and overdrafts.



# No. 262.—NATIONAL BANKS: CLASSIFICATION OF LOANS AND INVESTMENTS AS OF DEC. 31—Continued

[All figures in millions and tenths of millions of dollars]

|                                                                                               | 1930     | 1932     | 1933     | 1934     | 1935     |
|-----------------------------------------------------------------------------------------------|----------|----------|----------|----------|----------|
| <b>Investments—Continued.</b>                                                                 |          |          |          |          |          |
| <b>Obligations of—</b>                                                                        |          |          |          |          |          |
| Home Owners' Loan Corporation, guaranteed as to interest only.....                            |          |          |          | 72.0     | 194.3    |
| Federal land and intermediate credit banks <sup>2</sup> .....                                 |          |          |          | 185.5    |          |
| States, counties, districts, municipalities, etc., including Territories and possessions..... | 1, 107.9 | 1, 178.9 | 1, 180.5 | 1, 344.2 | 1, 452.9 |
| Joint-stock land banks <sup>2</sup> .....                                                     |          |          |          | 15.9     | 18.2     |
| <b>Bonds, notes, and debentures (not including stock) of other domestic corporations:</b>     |          |          |          |          |          |
| Railroads.....                                                                                | 699.1    | 630.3    | 524.1    | 578.2    | 584.0    |
| Public utilities.....                                                                         | 815.6    | 653.0    | 530.7    | 509.9    | 607.0    |
| Other domestic corporations.....                                                              | 1, 040.4 | 794.1    | 652.3    | 410.6    | 428.9    |
| Stock of Federal Reserve banks.....                                                           | 99.9     | 93.5     | 80.4     | 89.9     | 79.4     |
| Stock of other domestic corporations.....                                                     | 112.5    | 98.7     | 150.2    | 138.3    | 130.9    |
| Claims, judgments, etc.....                                                                   | 40.7     | 43.5     | 30.7     | (?)      |          |
| <b>Foreign securities:</b>                                                                    |          |          |          |          |          |
| Central governments.....                                                                      | 254.4    | 176.8    | 138.4    | 70.8     | 77.6     |
| All other, including municipalities, etc.....                                                 | 296.6    | 154.0    | 98.4     | 82.5     | 80.3     |

<sup>2</sup> Not reported separately prior to 1934.

<sup>3</sup> Not reported with investments since 1933.

Source: Comptroller of the Currency, Treasury Department.

# No. 263.—INSURED AND NONINSURED BANKS AS OF DEC. 31, 1935: NUMBER OF BANKS AND AMOUNT OF DEPOSITS, BY SIZE OF DEPOSITS, CONTINENTAL UNITED STATES

[Size of deposit classes in thousands of dollars; amount of deposits in millions and tenths of millions of dollars]

| Class of bank                          | Size of deposits (see headnote) |               |            |            |            |              |                |                |                 |                 |
|----------------------------------------|---------------------------------|---------------|------------|------------|------------|--------------|----------------|----------------|-----------------|-----------------|
|                                        | All banks                       | 100 and under | 100 to 250 | 250 to 500 | 500 to 750 | 750 to 1,000 | 1,000 to 2,000 | 2,000 to 5,000 | 5,000 to 50,000 | 50,000 and over |
| <b>Number of banks.....</b>            | <sup>1</sup> 15, 782            | 1, 405        | 3, 560     | 3, 442     | 1, 772     | 1, 082       | 1, 934         | 1, 408         | 1, 026          | 150             |
| <b>Commercial banks.....</b>           | <sup>1</sup> 15, 216            | 1, 402        | 3, 556     | 3, 435     | 1, 760     | 1, 042       | 1, 869         | 1, 267         | 751             | 111             |
| Insured.....                           | 14, 123                         | 1, 031        | 3, 211     | 3, 204     | 1, 703     | 1, 007       | 1, 823         | 1, 245         | 730             | 100             |
| Member of Federal Reserve System.....  | 6, 387                          | 65            | 691        | 1, 328     | 925        | 590          | 1, 157         | 923            | 603             | 105             |
| National.....                          | 5, 386                          | 53            | 580        | 1, 161     | 805        | 516          | 1, 004         | 764            | 442             | 61              |
| State.....                             | 1, 001                          | 12            | 111        | 167        | 120        | 74           | 153            | 159            | 161             | 44              |
| Nonmember.....                         | 7, 736                          | 966           | 2, 520     | 1, 936     | 778        | 417          | 666            | 322            | 127             | 4               |
| Noninsured.....                        | <sup>1</sup> 1, 093             | 371           | 345        | 171        | 57         | 36           | 46             | 22             | 21              | 2               |
| <b>Mutual savings banks.....</b>       | 566                             | 3             | 4          | 7          | 12         | 20           | 65             | 141            | 275             | 39              |
| Insured.....                           | 56                              | 2             |            | 4          | 2          | 4            | 9              | 13             | 17              | 5               |
| Noninsured.....                        | 510                             | 1             | 4          | 3          | 10         | 16           | 56             | 128            | 258             | 34              |
| <b>Deposits <sup>2</sup>.....</b>      | 54, 142.7                       | 94.8          | 617.8      | 1, 232.5   | 1, 084.9   | 919.0        | 2, 709.0       | 4, 269.7       | 14, 021.4       | 29, 203.6       |
| <b>Commercial banks.....</b>           | 44, 265.8                       | 94.6          | 617.0      | 1, 229.8   | 1, 077.5   | 902.0        | 2, 607.9       | 3, 790.6       | 9, 656.4        | 24, 289.9       |
| Insured.....                           | 42, 973.5                       | 73.7          | 561.0      | 1, 168.6   | 1, 043.3   | 871.8        | 2, 544.7       | 3, 723.9       | 9, 254.8        | 23, 731.7       |
| Members of Federal Reserve System..... | 37, 358.6                       | 5.0           | 130.1      | 487.9      | 570.1      | 511.2        | 1, 628.6       | 2, 794.0       | 7, 857.8        | 23, 373.9       |
| National.....                          | 24, 151.7                       | 4.0           | 109.3      | 425.2      | 496.8      | 446.8        | 1, 406.6       | 2, 283.9       | 5, 502.9        | 13, 476.4       |
| State.....                             | 13, 206.9                       | 1.0           | 20.9       | 62.7       | 73.3       | 64.4         | 222.1          | 510.2          | 2, 354.9        | 9, 897.5        |
| Nonmember.....                         | 5, 614.9                        | 68.7          | 430.9      | 680.7      | 473.2      | 380.7        | 916.1          | 920.9          | 1, 397.0        | 357.8           |
| Noninsured.....                        | 1, 292.3                        | 20.9          | 56.0       | 61.2       | 34.8       | 30.2         | 63.1           | 66.7           | 401.6           | 558.2           |
| <b>Mutual savings banks.....</b>       | 9, 877.0                        | .2            | .8         | 2.7        | 7.4        | 16.9         | 101.2          | 469.1          | 4, 365.0        | 4, 913.7        |
| Insured.....                           | 977.8                           | .1            |            | 1.6        | 1.3        | 3.4          | 14.1           | 34.4           | 198.2           | 724.6           |
| Noninsured.....                        | 8, 899.1                        | .1            | .8         | 1.1        | 6.1        | 13.5         | 87.0           | 434.7          | 4, 166.8        | 4, 189.1        |

<sup>1</sup> Includes 23 private banks under State supervision for which deposit figures are not available.

<sup>2</sup> Deposits of insured commercial banks are a daily average from Oct. 1, through Dec. 31, 1935. Deposits of noninsured commercial banks and of all mutual savings banks are as of Dec. 31, 1935.

Source: Federal Deposit Insurance Corporation.

# No. 264.—INSURED AND NONINSURED COMMERCIAL BANKS: NUMBER OF BANKS AND AMOUNT OF DEPOSITS, BY STATES, AS OF DEC. 31, 1935

[Deposits in thousands of dollars]

| Division and State   | Number of banks |                          | Deposits      |                   | Division and State            | Number of banks |                          | Deposits      |                   |
|----------------------|-----------------|--------------------------|---------------|-------------------|-------------------------------|-----------------|--------------------------|---------------|-------------------|
|                      | In-sured        | Non-insured <sup>1</sup> | Insured banks | Non-insured banks |                               | In-sured        | Non-insured <sup>1</sup> | Insured banks | Non-insured banks |
| United States.....   | 14, 123         | 1, 083                   | 43,951,045    | 1,292,267         | South Atlantic—Continued..... |                 |                          |               |                   |
| New England.....     | 515             | 49                       | 2,824,704     | 200,838           | Virginia.....                 | 322             | 4                        | 498,976       | 969               |
| Maine.....           | 62              | 9                        | 186,237       | 14,116            | W. Virginia.....              | 170             | 11                       | 289,904       | 5,719             |
| N. Hampshire.....    | 56              | 9                        | 72,560        | 6,231             | N. Carolina.....              | 236             | 1                        | 372,558       | 3,320             |
| Vermont.....         | 76              |                          | 168,686       |                   | S. Carolina.....              | 112             | 33                       | 118,135       | 7,703             |
| Massachusetts.....   | 200             | 4                        | 1,729,441     | 43,279            | Georgia.....                  | 258             | 63                       | 382,527       | 4,971             |
| Rhode Island.....    | 16              | 7                        | 225,030       | 63,202            | Florida.....                  | 143             | 5                        | 245,376       | 2,743             |
| Connecticut.....     | 105             | 20                       | 442,770       | 69,000            | E. S. Central.....            | 1, 113          | 73                       | 1, 196, 211   | 19, 155           |
| Middle Atlantic..... | 2, 239          | 67                       | 18,751,845    | 756, 572          | Kentucky.....                 | 302             | 43                       | 378, 603      | 11, 871           |
| New York.....        | 768             | 25                       | 12,985,754    | 677, 867          | Tennessee.....                | 315             | 10                       | 423, 064      | 2, 314            |
| New Jersey.....      | 389             | 8                        | 1, 853, 379   | 30, 731           | Alabama.....                  | 207             | 10                       | 239, 612      | 1, 950            |
| Pennsylvania.....    | 1, 032          | 34                       | 4, 112, 512   | 47, 974           | Mississippi.....              | 199             | 10                       | 154, 932      | 3, 320            |
| E. N. Central.....   | 3, 094          | 129                      | 7, 946, 579   | 75, 521           | W. S. Central.....            | 1, 563          | 108                      | 2, 029, 811   | 24, 108           |
| Ohio.....            | 690             | 21                       | 1, 974, 910   | 4, 927            | Arkansas.....                 | 213             | 9                        | 103, 932      | 1, 012            |
| Indiana.....         | 500             | 43                       | 665, 432      | 12, 362           | Louisiana.....                | 148             | 2                        | 359, 108      | 409               |
| Illinois.....        | 364             | 19                       | 3, 460, 557   | 8, 691            | Oklahoma.....                 | 337             | 18                       | 333, 068      | 3, 155            |
| Michigan.....        | 449             | 28                       | 1, 110, 660   | 41, 314           | Texas.....                    | 805             | 79                       | 1, 123, 703   | 20, 532           |
| Wisconsin.....       | 591             | 18                       | 735, 020      | 8, 227            | Mountain.....                 | 499             | 21                       | 892, 592      | 9, 522            |
| W. N. Central.....   | 3, 104          | 504                      | 3, 426, 826   | 115, 080          | Montana.....                  | 119             | 1                        | 130, 804      | 128               |
| Minnesota.....       | 649             | 36                       | 853, 941      | 9, 436            | Idaho.....                    | 57              | 3                        | 70, 590       | 6, 486            |
| Iowa.....            | 532             | 78                       | 502, 201      | 30, 148           | Wyoming.....                  | 69              |                          | 67, 558       |                   |
| Missouri.....        | 646             | 49                       | 1, 279, 327   | 7, 393            | Colorado.....                 | 141             | 15                       | 294, 158      | 2, 212            |
| N. Dakota.....       | 193             | 11                       | 71, 713       | 1, 413            | New Mexico.....               | 40              | 1                        | 43, 156       | 502               |
| S. Dakota.....       | 198             | 1                        | 83, 492       | 552               | Arizona.....                  | 15              |                          | 62, 672       |                   |
| Nebraska.....        | 376             | 61                       | 304, 351      | 11, 132           | Utah.....                     | 59              |                          | 138, 909      |                   |
| Kansas.....          | 460             | 268                      | 325, 790      | 54, 920           | Nevada.....                   | 9               | 1                        | 24, 704       | 196               |
| South Atlantic.....  | 1, 496          | 122                      | 2, 784, 852   | 63, 466           | Pacific.....                  | 510             | 20                       | 4, 188, 828   | 27, 045           |
| Delaware.....        | 44              | 2                        | 121, 054      | 153               | Washington.....               | 172             | 9                        | 425, 909      | 5, 762            |
| Maryland.....        | 184             | 3                        | 485, 290      | 37, 888           | Oregon.....                   | 93              | 1                        | 241, 607      | 60                |
| Dist. of Col.....    | 22              |                          | 301, 032      |                   | California.....               | 245             | 10                       | 3, 521, 310   | 21, 223           |

<sup>1</sup> Includes 23 banks for which deposit figures are not available.

## No. 265.—INSURED COMMERCIAL BANKS: PRINCIPAL ASSETS AND LIABILITIES AS OF JUNE 30 AND DEC. 31, 1935

NOTE.—Figures include 2 insured national banks in Alaska; they exclude data for 3 insured State banks for June 30 and 2 for Dec. 31

[All figures, except number of banks, in millions of dollars]

|                                                                                                                                     | 1935    |         |                                                                                                               | 1935    |         |
|-------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------------------------------------------------------------------------------------------------------------|---------|---------|
|                                                                                                                                     | June 30 | Dec. 31 |                                                                                                               | June 30 | Dec. 31 |
| Number of banks.....                                                                                                                | 14, 175 | 14, 123 | Liabilities, total.....                                                                                       | 47, 252 | 50, 818 |
| Assets, total.....                                                                                                                  | 47, 252 | 50, 918 | Demand deposits, except U. S. Government and interbank deposits.....                                          | 20, 617 | 22, 748 |
| Loans and discounts, including rediscounts and overdrafts.....                                                                      | 14, 495 | 14, 698 | Time deposits, except interbank deposits <sup>2</sup> .....                                                   | 12, 952 | 13, 181 |
| U. S. Government securities, direct obligations.....                                                                                | 10, 470 | 11, 168 | U. S. Government deposits.....                                                                                | 805     | 881     |
| Obligations fully guaranteed by U. S. Government.....                                                                               | 1, 882  | 2, 107  | Deposits of other banks; cash letters of credit; certified, officers', and travelers' checks outstanding..... | 5, 927  | 7, 315  |
| Other bonds, stocks, and securities.....                                                                                            | 6, 684  | 6, 841  | Total deposits.....                                                                                           | 40, 300 | 44, 186 |
| Cash.....                                                                                                                           | 705     | 870     | National bank circulation.....                                                                                | 222     |         |
| Balances with other banks, including reserve with Federal Reserve banks, and cash items in process of collection <sup>3</sup> ..... | 10, 751 | 12, 962 | Miscellaneous liabilities.....                                                                                | 516     | 582     |
| Miscellaneous assets.....                                                                                                           | 2, 263  | 2, 252  | Capital stock <sup>4</sup> .....                                                                              | 3, 365  | 3, 300  |
|                                                                                                                                     |         |         | Surplus.....                                                                                                  | 1, 898  | 1, 946  |
|                                                                                                                                     |         |         | Undivided profits—net.....                                                                                    | 529     | 548     |
|                                                                                                                                     |         |         | Reserve for contingencies, etc. <sup>4</sup> .....                                                            | 426     | 416     |

<sup>1</sup> Includes cash items not in process of collection for June 30.<sup>2</sup> Includes postal savings.<sup>3</sup> Includes capital notes and debentures.<sup>4</sup> Includes retirement fund for preferred stock or capital notes and debentures.

Source of tables 264 and 265: Federal Deposit Insurance Corporation.

## No. 266.—BANK SUSPENSIONS: 1921 to 1935

NOTE.—Banks closed either permanently or temporarily, on account of financial difficulties, by order of supervisory authorities or by the directors of the bank

| Year or period                                                                                                                        | Number of banks |          |              |            | Deposits (in thousands of dollars) |           |              |            |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|--------------|------------|------------------------------------|-----------|--------------|------------|
|                                                                                                                                       | Total           | National | State member | Non-member | Total                              | National  | State member | Non-member |
| 1921.....                                                                                                                             | 505             | 52       | 19           | 434        | 172,188                            | 20,777    | 17,363       | 134,048    |
| 1922.....                                                                                                                             | 367             | 49       | 13           | 305        | 93,043                             | 20,197    | 7,113        | 65,733     |
| 1923.....                                                                                                                             | 646             | 90       | 32           | 524        | 149,601                            | 34,244    | 12,569       | 102,798    |
| 1924.....                                                                                                                             | 778             | 122      | 38           | 615        | 210,151                            | 64,890    | 13,645       | 131,616    |
| 1925.....                                                                                                                             | 618             | 118      | 28           | 472        | 167,555                            | 55,574    | 9,853        | 102,098    |
| 1926.....                                                                                                                             | 976             | 123      | 35           | 813        | 260,378                            | 43,998    | 23,406       | 192,914    |
| 1927.....                                                                                                                             | 969             | 91       | 31           | 547        | 199,329                            | 45,547    | 17,942       | 135,840    |
| 1928.....                                                                                                                             | 499             | 57       | 16           | 426        | 142,580                            | 36,483    | 10,247       | 95,850     |
| 1929.....                                                                                                                             | 695             | 94       | 17           | 578        | 230,643                            | 41,614    | 16,450       | 172,570    |
| 1930.....                                                                                                                             | 1,352           | 161      | 27           | 1,164      | 853,363                            | 170,446   | 202,390      | 480,518    |
| 1931.....                                                                                                                             | 2,294           | 409      | 107          | 1,778      | 1,690,669                          | 439,171   | 293,957      | 957,541    |
| 1932.....                                                                                                                             | 1,466           | 276      | 55           | 1,125      | 715,626                            | 214,150   | 55,158       | 440,323    |
| 1933:<br>Jan. 1—Mar. 15 <sup>1</sup> .....                                                                                            | 449             | 66       | 23           | 360        | 215,341                            | 73,183    | 21,742       | 120,416    |
| Mar. 16—Dec. 31.....                                                                                                                  | 179             | 9        | 6            | 164        | 146,710                            | 17,322    | 3,527        | 124,861    |
| Banks not licensed following banking holiday that have been placed in liquidation or receivership to Dec. 31, 1935 <sup>2</sup> ..... | 2,113           | 860      | 74           | 1,173      | 2,523,617                          | 1,368,393 | 672,200      | 487,964    |
| 1934.....                                                                                                                             | 57              | 1        | —            | 56         | 36,937                             | 40        | —            | 36,897     |
| 1935.....                                                                                                                             | 34              | 4        | —            | 30         | 10,099                             | 5,313     | —            | 4,786      |
| Total 1921 to 1935.....                                                                                                               | 13,648          | 2,558    | 521          | 10,569     | 7,816,830                          | 2,646,342 | 1,377,715    | 3,792,773  |

<sup>1</sup> Includes 39 banks with deposits of \$15,080,000 which were placed in receivership during the banking holiday (Mar. 6 to Mar. 15, 1933).

<sup>2</sup> At the close of the banking holiday, Mar. 15, 1933, 1,400 national banks with deposits of \$1,942,574,000 and 221 State bank members with deposits of \$924,277,000 had not been licensed to reopen. On Apr. 12, 1933, the first date following the banking holiday for which complete data for both member and nonmember banks are available, there were 1,108 nonlicensed national banks with deposits of \$1,813,541,000, 148 nonlicensed State bank members with deposits of \$841,382,000, and 2,938 nonlicensed nonmember banks with deposits of \$1,317,607,000. At the end of 1935, all but 27 of the banks (all nonmembers) which did not receive licenses immediately following the banking holiday had either been licensed to reopen or had been placed in liquidation or receivership.

<sup>3</sup> Includes 8 insured nonmember banks in 1934 and 22 in 1935, with deposits of \$1,912,000 and \$3,847,000, respectively. Federal deposit insurance became operative Jan. 1, 1934.

Source: Board of Governors of the Federal Reserve System.

## No. 267.—CERTAIN MAJOR ITEMS OF SAVINGS OF THE UNITED STATES

NOTE.—In millions of dollars. The last column should not be added to other items, as there is much duplication between it and them. For example, banks and insurance companies both invest their assets in securities of corporations. On the other hand, many forms of savings, some of large amount, are not listed

| Calendar year (except as noted) | Increase in savings and other time deposits in banks, excluding postal savings <sup>1,2</sup> | Increase in postal savings deposits <sup>2</sup> | Increase in assets of building and loan associations <sup>3</sup> | Premiums paid to life-insurance companies, less operating expenses |                    |                      | Additions to surpluses of corporations <sup>4</sup> | New capital issues |
|---------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------|--------------------|----------------------|-----------------------------------------------------|--------------------|
|                                 |                                                                                               |                                                  |                                                                   | Total                                                              | Ordinary companies | Industrial companies |                                                     |                    |
| 1920.....                       | 2,160                                                                                         | \$ 10                                            | 408                                                               | 931                                                                | 613                | 318                  | —                                                   | 3,635              |
| 1921.....                       | 1,348                                                                                         | \$ 5                                             | 359                                                               | 1,086                                                              | 717                | 369                  | —                                                   | 3,577              |
| 1922.....                       | 1,094                                                                                         | \$ 15                                            | 452                                                               | 1,166                                                              | 747                | 419                  | 1,747                                               | 4,304              |
| 1923.....                       | 2,129                                                                                         | \$ 6                                             | 600                                                               | 1,205                                                              | 806                | 439                  | 2,528                                               | 4,304              |
| 1924.....                       | 1,432                                                                                         | 1                                                | 823                                                               | 1,483                                                              | 910                | 567                  | 1,575                                               | 5,593              |
| 1925.....                       | 1,043                                                                                         | \$ 1                                             | 743                                                               | 1,690                                                              | 1,043              | 647                  | 2,057                                               | 6,220              |
| 1926.....                       | 1,508                                                                                         | 2                                                | 825                                                               | 1,873                                                              | 1,145              | 729                  | 2,335                                               | 6,344              |
| 1927.....                       | 1,378                                                                                         | 13                                               | 822                                                               | 2,079                                                              | 1,269              | 810                  | 1,115                                               | 7,701              |
| 1928.....                       | 2,325                                                                                         | 5                                                | 860                                                               | 2,298                                                              | 1,372              | 924                  | 2,479                                               | 8,114              |
| 1929.....                       | \$ 835                                                                                        | 2                                                | 679                                                               | 2,430                                                              | 1,433              | 997                  | 2,320                                               | 10,183             |
| 1930.....                       | 236                                                                                           | 22                                               | 129                                                               | 2,573                                                              | 1,498              | 1,079                | \$ 4,255                                            | 7,028              |
| 1931.....                       | \$ 386                                                                                        | 172                                              | \$ 412                                                            | 2,730                                                              | 1,588              | 1,142                | \$ 7,327                                            | 3,116              |
| 1932.....                       | \$ 4,254                                                                                      | 437                                              | \$ 697                                                            | 2,594                                                              | 1,449              | 1,145                | \$ 8,001                                            | 1,192              |
| 1933.....                       | \$ 3,308                                                                                      | 402                                              | \$ 773                                                            | 2,421                                                              | 1,367              | 1,054                | \$ 4,431                                            | 710                |
| 1934.....                       | 788                                                                                           | 11                                               | \$ 587                                                            | 2,564                                                              | 1,487              | 1,077                | —                                                   | 1,388              |
| 1935.....                       | 1,176                                                                                         | 7                                                | —                                                                 | —                                                                  | —                  | —                    | —                                                   | 1,412              |

<sup>1</sup> Based on figures shown in table 269 deducting postal savings deposited in banks.

<sup>2</sup> Data are for fiscal years ended June 30.

<sup>3</sup> Includes data for fiscal years for some States.

<sup>4</sup> Net profit less cash dividends and income and profits tax as compiled from income-tax returns.

<sup>5</sup> Decrease.

Sources: See sources of tables 188, 269, 273, 275, 312, and 320.

# No. 268.—SAVINGS DEPOSITS AND DEPOSITORS IN ALL REPORTING BANKS: CONTINENTAL UNITED STATES, 1929 to 1935

NOTE.—Savings deposits, as shown in the following table, include deposits evidenced by savings passbooks and time certificates of deposit. They do not include time deposits, open account, postal savings deposited in banks, and Christmas savings and similar accounts. Data for 1933 to 1935 relate to licensed banks only [Deposits in millions of dollars]

| Year      | Savings deposits |                                 |                              | Savings depositors <sup>1</sup> | Year and class of bank    | Savings deposits |                                 |                              | Savings depositors <sup>1</sup> |
|-----------|------------------|---------------------------------|------------------------------|---------------------------------|---------------------------|------------------|---------------------------------|------------------------------|---------------------------------|
|           | Total            | Evidenced by savings pass books | Time certificates of deposit |                                 |                           | Total            | Evidenced by savings pass books | Time certificates of deposit |                                 |
| 1929..... | 27, 120          | 23, 967                         | 3, 153                       | 51, 649                         | 1935                      |                  |                                 |                              |                                 |
| 1930..... | 27, 175          | 24, 061                         | 3, 114                       | 51, 523                         | National banks.....       | 6, 343           | 5, 670                          | 673                          | 14, 278                         |
| 1931..... | 26, 540          | 23, 591                         | 2, 949                       | 49, 552                         | State banks.....          | 2, 420           | 1, 815                          | 604                          | 6, 187                          |
| 1932..... | 22, 596          | 20, 495                         | 2, 101                       | 43, 021                         | Loan and trust cos.....   | 2, 309           | 2, 009                          | 301                          | 4, 724                          |
| 1933..... | 19, 379          | 17, 786                         | 1, 613                       | 35, 729                         | Stock savings banks.....  | 715              | 686                             | 29                           | 1, 359                          |
| 1934..... | 20, 495          | 19, 011                         | 1, 484                       | 38, 530                         | Mutual savings banks..... | 9, 902           | 9, 902                          | (?)                          | 13, 213                         |
| 1935..... | 21, 730          | 20, 090                         | 1, 640                       | 36, 794                         | Private banks.....        | 41               | 9                               | 32                           | 32                              |

<sup>1</sup> Represents number of savings passbook accounts.

<sup>2</sup> Less than \$500,000.

Source: Comptroller of the Currency, Treasury Department.

# No. 269.—SAVINGS AND OTHER TIME DEPOSITS AND DEPOSITORS IN BANKS: CONTINENTAL UNITED STATES, 1910 to 1935

NOTE.—Savings and other time depositors in State banks and trust companies, stock savings and private banks, are not shown for earlier years, as data are very incomplete. Figures for this class of banks and totals exclude 6 States in 1926 and 1927, 4 in 1928 to 1930, 3 in 1931, 2 in 1932 and 1933, and 1 in 1934 and 1935, and include for a number of others incomplete or estimated data or data for an earlier year

| On or about June 30— | Savings and other time deposits<br>(millions of dollars) <sup>1</sup> |                                   |                                 |                | Savings and other time depositors<br>(thousands) |                      |                                 |                  |
|----------------------|-----------------------------------------------------------------------|-----------------------------------|---------------------------------|----------------|--------------------------------------------------|----------------------|---------------------------------|------------------|
|                      | All banks                                                             | Mutual savings banks              | State, etc., banks <sup>2</sup> | National banks | All banks                                        | Mutual savings banks | State, etc., banks <sup>2</sup> | National banks   |
| 1910.....            | 6, 835                                                                | ( <sup>3</sup> ) ( <sup>4</sup> ) | ( <sup>5</sup> )                | 1, 014         |                                                  | ( <sup>4</sup> )     |                                 | 2, 087           |
| 1911.....            | 7, 063                                                                | 3, 459                            | 3, 024                          | 1, 480         |                                                  | 7, 691               |                                 | 2, 341           |
| 1912.....            | 8, 404                                                                | 3, 609                            | 3, 260                          | 1, 536         |                                                  | 7, 880               |                                 | 2, 675           |
| 1913.....            | 8, 548                                                                | 3, 812                            | 3, 308                          | 1, 369         |                                                  | 8, 034               |                                 | 2, 965           |
| 1914.....            | 8, 712                                                                | 3, 910                            | 3, 348                          | 1, 454         |                                                  | 7, 901               |                                 | ( <sup>5</sup> ) |
| 1915.....            | 8, 807                                                                | 3, 945                            | 3, 541                          | 1, 321         |                                                  | 7, 643               |                                 | ( <sup>5</sup> ) |
| 1916.....            | 9, 459                                                                | 4, 102                            | 3, 641                          | 1, 716         |                                                  | 7, 917               |                                 | ( <sup>5</sup> ) |
| 1917.....            | 10, 876                                                               | 4, 339                            | 4, 304                          | 2, 173         |                                                  | 8, 651               |                                 | ( <sup>5</sup> ) |
| 1918.....            | 11, 535                                                               | 4, 382                            | 4, 817                          | 2, 336         |                                                  | 8, 328               |                                 | ( <sup>5</sup> ) |
| 1919.....            | 13, 040                                                               | 4, 732                            | 5, 532                          | 2, 776         |                                                  | 9, 040               |                                 | 6, 763           |
| 1920.....            | 15, 189                                                               | 5, 058                            | 6, 668                          | 3, 463         |                                                  | 9, 079               |                                 | 7, 980           |
| 1921.....            | 16, 501                                                               | 5, 568                            | 7, 255                          | 3, 677         |                                                  | 9, 662               |                                 | 8, 109           |
| 1922.....            | 17, 579                                                               | 5, 818                            | 7, 687                          | 4, 074         |                                                  | 9, 687               |                                 | 8, 873           |
| 1923.....            | 19, 727                                                               | 6, 273                            | 8, 767                          | 4, 686         |                                                  | 10, 045              |                                 | 9, 899           |
| 1924.....            | 21, 189                                                               | 6, 693                            | 9, 337                          | 5, 168         |                                                  | 10, 384              |                                 | 11, 068          |
| 1925.....            | 23, 134                                                               | 7, 152                            | 10, 172                         | 5, 810         |                                                  | 10, 639              |                                 | 11, 895          |
| 1926.....            | 24, 896                                                               | 7, 525                            | 10, 993                         | 6, 178         | 46, 762                                          | 10, 950              | 28, 242                         | 12, 570          |
| 1927.....            | 26, 091                                                               | 8, 040                            | 10, 963                         | 7, 068         | 48, 355                                          | 11, 190              | 22, 828                         | 14, 337          |
| 1928.....            | 28, 413                                                               | 8, 668                            | 11, 695                         | 8, 050         | 53, 188                                          | 11, 643              | 25, 364                         | 16, 181          |
| 1929.....            | 28, 218                                                               | 8, 904                            | 11, 426                         | 7, 889         | 52, 764                                          | 11, 875              | 25, 457                         | 15, 422          |
| 1930.....            | 28, 479                                                               | 9, 206                            | 11, 176                         | 8, 097         | 52, 729                                          | 12, 077              | 25, 115                         | 15, 537          |
| 1931.....            | 28, 220                                                               | 10, 034                           | 10, 141                         | 8, 045         | 51, 399                                          | 12, 544              | 23, 862                         | 15, 193          |
| 1932.....            | 24, 281                                                               | 10, 040                           | 7, 283                          | 6, 958         | 44, 352                                          | 12, 735              | 17, 520                         | 14, 097          |
| 1933.....            | 21, 126                                                               | 9, 760                            | 5, 453                          | 5, 912         | 39, 262                                          | 12, 995              | 14, 289                         | 11, 078          |
| 1934.....            | 21, 753                                                               | 9, 803                            | 5, 452                          | 6, 498         | 30, 562                                          | 13, 342              | 12, 734                         | 13, 486          |
| 1935.....            | 22, 652                                                               | 9, 872                            | 5, 912                          | 6, 869         | 41, 315                                          | 13, 415              | 13, 631                         | 14, 269          |

<sup>1</sup> Includes deposits evidenced by savings passbooks, time certificates of deposit payable in 30 days or over, time deposits, open account, and postal savings deposited in banks.

<sup>2</sup> Includes State, stock savings, and private banks and trust companies.

<sup>3</sup> Combined data for other than national banks included in total.

<sup>4</sup> For data for 1910 and earlier years from reports of the Comptroller of Currency, see table 271.

<sup>5</sup> Not available.

<sup>6</sup> Figures include depositors for State-chartered banks in States which did not previously report depositors as follows (figures in parentheses are the number of depositors for the first year the given States reported): Beginning 1928, Ohio and Idaho (2,376,000 depositors); beginning 1931, Missouri (623,000 depositors); beginning 1932, Colorado (50,000 depositors); and beginning 1934, Indiana (285,847 depositors).

<sup>7</sup> Represents the number of savings passbook accounts.

Source: American Bankers' Association.

# No. 270.—SAVINGS AND OTHER TIME DEPOSITS AND DEPOSITORS IN ALL BANKS AND TRUST COMPANIES: BY STATES, ON OR ABOUT JUNE 30

| Division and State      | Savings and other time deposits (millions of dollars) |          |          |          |          |          |          | Savings and other time depositors (thousands) <sup>1</sup> |        |
|-------------------------|-------------------------------------------------------|----------|----------|----------|----------|----------|----------|------------------------------------------------------------|--------|
|                         | 1910 <sup>2</sup>                                     | 1920     | 1925     | 1930     | 1933     | 1934     | 1935     | 1934                                                       | 1935   |
| Continental U.S.        | 6,835.5                                               | 15,188.6 | 23,134.1 | 28,478.6 | 21,125.5 | 21,752.5 | 22,652.6 | 39,582                                                     | 41,315 |
| New England.....        | 1,450.6                                               | 2,839.9  | 3,750.2  | 4,832.3  | 4,284.4  | 4,284.4  | 4,303.8  | 6,656                                                      | 6,661  |
| Maine.....              | 128.6                                                 | 204.6    | 265.7    | 319.3    | 217.0    | 229.5    | 235.4    | 507                                                        | 514    |
| New Hampshire.....      | 88.7                                                  | 147.8    | 190.5    | 227.1    | 214.2    | 215.3    | 217.7    | 361                                                        | 362    |
| Vermont.....            | 74.3                                                  | 133.1    | 173.4    | 205.1    | 155.5    | 151.9    | 143.7    | 294                                                        | 297    |
| Massachusetts.....      | 783.6                                                 | 1,471.6  | 2,139.5  | 2,800.1  | 2,507.6  | 2,490.8  | 2,507.5  | 3,712                                                      | 3,719  |
| Rhode Island.....       | 123.9                                                 | 215.4    | 299.2    | 372.6    | 340.9    | 339.1    | 334.1    | 393                                                        | 393    |
| Connecticut.....        | 281.5                                                 | 467.5    | 681.9    | 908.2    | 848.6    | 857.8    | 865.3    | 1,390                                                      | 1,375  |
| Middle Atlantic.....    | 2,652.4                                               | 4,705.3  | 8,773.8  | 11,789.8 | 9,882.2  | 10,035.5 | 10,307.9 | 18,283                                                     | 18,625 |
| New York.....           | 1,825.3                                               | 2,807.8  | 5,546.1  | 7,618.2  | 6,735.3  | 6,796.8  | 6,935.0  | 9,650                                                      | 9,803  |
| New Jersey.....         | 234.4                                                 | 576.9    | 1,040.9  | 1,397.3  | 1,139.0  | 1,121.1  | 1,175.5  | 2,305                                                      | 2,395  |
| Pennsylvania.....       | 592.7                                                 | 1,320.6  | 2,187.5  | 2,776.1  | 2,017.3  | 2,107.6  | 2,197.4  | 4,321                                                      | 4,427  |
| East North Central..... | 1,082.1                                               | 2,779.3  | 4,074.3  | 4,817.2  | 3,111.4  | 2,347.6  | 2,712.1  | 6,302                                                      | 6,78.5 |
| Ohio.....               | 334.0                                                 | 811.9    | 1,164.1  | 1,410.8  | 781.2    | 840.0    | 895.1    | 1,950                                                      | 2,062  |
| Indiana.....            | 75.4                                                  | 281.2    | 259.5    | 361.1    | 159.0    | 200.4    | 246.0    | 489                                                        | 504    |
| Illinois.....           | 351.7                                                 | 685.1    | 1,258.6  | 1,866.9  | 583.9    | 658.5    | 781.4    | 2,030                                                      | 2,141  |
| Michigan.....           | 192.7                                                 | 651.3    | 939.0    | 1,156.9  | 270.9    | 338.2    | 437.5    | 952                                                        | 1,106  |
| Wisconsin.....          | 128.3                                                 | 349.8    | 453.1    | 621.5    | 315.4    | 310.6    | 351.6    | 872                                                        | 972    |
| West North Central..... | 609.5                                                 | 1,803.1  | 1,978.1  | 1,734.5  | 958.9    | 924.3    | 975.3    | 2,011                                                      | 2,300  |
| Minnesota.....          | 140.7                                                 | 485.3    | 538.6    | 507.1    | 332.3    | 327.8    | 345.6    | 739                                                        | 764    |
| Iowa.....               | 194.6                                                 | 551.4    | 524.9    | 465.2    | 169.3    | 143.0    | 169.0    | 352                                                        | 420    |
| Missouri.....           | 113.3                                                 | 247.4    | 372.2    | 391.3    | 253.1    | 250.7    | 259.0    | 456                                                        | 501    |
| North Dakota.....       | 34.4                                                  | 121.5    | 95.9     | 57.5     | 31.6     | 29.8     | 31.2     | 40                                                         | 50     |
| South Dakota.....       | 39.1                                                  | 134.0    | 102.1    | 67.4     | 28.0     | 26.2     | 25.5     | 42                                                         | 48     |
| Nebraska.....           | 54.0                                                  | 155.4    | 213.2    | 137.0    | 65.4     | 69.6     | 66.7     | 170                                                        | 173    |
| Kansas.....             | 33.4                                                  | 107.2    | 131.2    | 109.0    | 70.2     | 77.2     | 77.4     | 202                                                        | 204    |
| South Atlantic.....     | 327.6                                                 | 1,034.9  | 1,418.7  | 1,534.7  | 1,088.9  | 1,133.1  | 1,219.5  | 2,614                                                      | 2,721  |
| Delaware.....           | 11.5                                                  | 35.9     | 50.1     | 63.1     | 62.2     | 63.7     | 67.2     | 110                                                        | 110    |
| Maryland.....           | 125.1                                                 | 265.1    | 385.8    | 512.2    | 395.4    | 407.7    | 395.6    | 764                                                        | 807    |
| Dist. of Columbia.....  | 8.4                                                   | 33.4     | 80.8     | 105.0    | 83.2     | 92.5     | 103.3    | 222                                                        | 235    |
| Virginia.....           | 45.0                                                  | 152.3    | 216.8    | 246.7    | 196.6    | 211.7    | 223.6    | 441                                                        | 439    |
| West Virginia.....      | 47.5                                                  | 111.4    | 150.6    | 155.6    | 101.0    | 107.3    | 109.0    | 265                                                        | 264    |
| North Carolina.....     | 19.6                                                  | 121.7    | 142.3    | 146.2    | 56.8     | 65.7     | 123.4    | 243                                                        | 292    |
| South Carolina.....     | 25.8                                                  | 112.0    | 112.0    | 78.9     | 21.3     | 25.9     | 29.7     | 62                                                         | 62     |
| Georgia.....            | 29.2                                                  | 137.5    | 132.0    | 141.4    | 103.9    | 103.6    | 108.2    | 351                                                        | 339    |
| Florida.....            | 15.5                                                  | 65.1     | 148.3    | 87.6     | 69.6     | 55.2     | 57.6     | 170                                                        | 174    |
| East South Central..... | 80.2                                                  | 321.7    | 506.9    | 594.0    | 337.8    | 376.6    | 409.2    | 734                                                        | 868    |
| Kentucky.....           | 35.6                                                  | 96.1     | 176.4    | 212.2    | 124.3    | 132.2    | 140.0    | 257                                                        | 304    |
| Tennessee.....          | 24.9                                                  | 104.2    | 155.2    | 186.5    | 99.6     | 119.6    | 134.6    | 217                                                        | 238    |
| Alabama.....            | 9.3                                                   | 60.2     | 93.1     | 100.8    | 65.2     | 71.2     | 77.0     | 205                                                        | 230    |
| Mississippi.....        | 10.4                                                  | 61.2     | 82.2     | 94.5     | 48.7     | 53.6     | 56.7     | 66                                                         | 96     |
| West South Central..... | 65.7                                                  | 311.6    | 440.1    | 557.4    | 382.9    | 374.6    | 379.9    | 904                                                        | 929    |
| Arkansas.....           | 6.4                                                   | 34.3     | 65.2     | 77.2     | 37.7     | 39.4     | 41.2     | 64                                                         | 74     |
| Louisiana.....          | 31.8                                                  | 99.5     | 123.3    | 144.1    | 81.3     | 83.9     | 85.3     | 404                                                        | 392    |
| Oklahoma.....           | 10.0                                                  | 85.0     | 87.3     | 109.9    | 78.1     | 75.1     | 70.1     | 127                                                        | 132    |
| Texas.....              | 17.5                                                  | 92.2     | 164.3    | 226.2    | 174.8    | 176.2    | 183.3    | 309                                                        | 331    |
| Mountain.....           | 105.1                                                 | 348.2    | 331.2    | 375.3    | 242.0    | 241.9    | 251.5    | 555                                                        | 620    |
| Montana.....            | 14.3                                                  | 75.5     | 55.8     | 69.2     | 43.8     | 39.3     | 36.4     | 55                                                         | 63     |
| Idaho.....              | 8.1                                                   | 32.5     | 25.8     | 33.6     | 18.1     | 18.1     | 20.6     | 45                                                         | 48     |
| Wyoming.....            | 7.1                                                   | 21.0     | 20.9     | 25.4     | 17.7     | 18.4     | 19.1     | 34                                                         | 36     |
| Colorado.....           | 42.2                                                  | 102.9    | 116.3    | 112.4    | 82.7     | 84.3     | 88.8     | 194                                                        | 207    |
| New Mexico.....         | 5.6                                                   | 13.2     | 7.3      | 11.9     | 5.7      | 7.5      | 8.3      | 15                                                         | 18     |
| Arizona.....            | 2.4                                                   | 37.0     | 26.4     | 32.5     | 19.2     | 16.4     | 18.4     | 37                                                         | 45     |
| Utah.....               | 21.4                                                  | 51.6     | 61.2     | 69.0     | 49.4     | 51.4     | 51.6     | 170                                                        | 181    |
| Nevada.....             | 4.0                                                   | 14.5     | 17.5     | 21.3     | 5.4      | 6.5      | 8.3      | 16                                                         | 21     |
| Pacific.....            | 432.4                                                 | 1,944.8  | 1,893.3  | 2,243.7  | 1,857.0  | 1,984.5  | 2,093.2  | 3,492                                                      | 3,896  |
| Washington.....         | 63.1                                                  | 159.4    | 181.3    | 227.5    | 150.5    | 157.5    | 169.4    | 385                                                        | 398    |
| Oregon.....             | 22.6                                                  | 76.1     | 105.9    | 123.4    | 88.2     | 90.6     | 90.5     | 251                                                        | 244    |
| California.....         | 356.7                                                 | 1,009.3  | 1,570.1  | 1,892.8  | 1,618.3  | 1,736.5  | 1,833.3  | 2,867                                                      | 3,165  |
| Hawaii.....             |                                                       |          |          | 53.5     | 45.3     | 45.1     | 49.4     | 155                                                        | 162    |

<sup>1</sup> All figures included for national banks for both years and figures for all banks in Massachusetts for 1934 represent number of savings passbook accounts.

<sup>2</sup> Includes demand certificates of deposit for national banks.

<sup>3</sup> Data for banks other than national are for the latest year available as follows: Kentucky and Virginia, 1929; New Mexico, South Carolina, and Utah, 1933; Vermont, New York, Oklahoma, and Arizona, 1934.

<sup>4</sup> Data for mutual savings banks as of Oct. 31.

<sup>5</sup> Data for trust companies are as of Dec. 30, 1933.

<sup>6</sup> Approximate for banks other than national.

<sup>7</sup> Includes 1933 data for trust companies.

<sup>8</sup> Data except for national banks are as of Dec. 30, 1933.

<sup>9</sup> Data for mutual banks as of Dec. 31, 1935.

<sup>10</sup> Includes 1924 data for State banks.

<sup>11</sup> Data as of May 30, 1935.

<sup>12</sup> National banks only.

Source: American Bankers' Association.

# No. 271.—SAVINGS BANKS: NUMBER OF DEPOSITORS AND AMOUNT OF SAVINGS DEPOSITS, CONTINENTAL UNITED STATES, 1820 TO 1910

NOTE.—Data for later years are as of June 30 or about June 30. In earlier years reports were of various dates. Prior to 1900 data include both mutual and stock savings banks; beginning 1900 they are for mutual savings banks only, which in that year had about 90 percent of the savings deposits in all savings banks. For figures for later years and also savings deposits in all classes of banks, see table 269

[Depositors in thousands, deposits in millions and tenths of millions of dollars]

| Year      | Depositors | Savings deposits | Year      | Depositors | Savings deposits | Year      | Depositors | Savings deposits |
|-----------|------------|------------------|-----------|------------|------------------|-----------|------------|------------------|
| 1820..... | 9          | 1.1              | 1885..... | 3,071      | 1,095.2          | 1898..... | 5,239      | 2,027.2          |
| 1830..... | 38         | 7.0              | 1886..... | 3,159      | 1,141.5          | 1899..... | 5,524      | 2,179.5          |
| 1840..... | 79         | 14.1             | 1887..... | 3,418      | 1,235.2          | 1900..... | 5,370      | 2,134.5          |
| 1850..... | 251        | 43.4             | 1888..... | 3,838      | 1,364.2          | 1901..... | 5,612      | 2,280.3          |
| 1860..... | 694        | 149.3            | 1889..... | 4,022      | 1,425.3          | 1902..... | 5,871      | 2,280.2          |
| 1865..... | 981        | 242.6            | 1890..... | 4,250      | 1,524.8          | 1903..... | 6,117      | 2,512.5          |
| 1870..... | 1,031      | 549.9            | 1891..... | 4,533      | 1,623.1          | 1904..... | 6,286      | 2,602.0          |
| 1875..... | 2,390      | 924.0            | 1892..... | 4,782      | 1,712.8          | 1905..... | 6,464      | 2,736.5          |
| 1880..... | 2,336      | 819.1            | 1893..... | 4,831      | 1,785.2          | 1906..... | 6,753      | 2,908.7          |
| 1881..... | 2,629      | 892.0            | 1894..... | 4,778      | 1,748.0          | 1907..... | 7,071      | 3,055.3          |
| 1882..... | 2,710      | 966.8            | 1895..... | 4,876      | 1,810.6          | 1908..... | 7,137      | 3,065.7          |
| 1883..... | 2,876      | 1,024.9          | 1896..... | 5,065      | 1,907.2          | 1909..... | 7,205      | 3,144.6          |
| 1884..... | 3,015      | 1,073.3          | 1897..... | 5,201      | 1,939.4          | 1910..... | 7,482      | 3,360.6          |

Source: Comptroller of the Currency, Treasury Department.

# No. 272.—MUTUAL SAVINGS BANKS: NUMBER OF SAVINGS DEPOSITORS AND AMOUNT OF SAVINGS DEPOSITS ON OR ABOUT JUNE 30

NOTE.—There are no mutual savings banks in States not shown

[Deposits in thousands of dollars]

| Division and State             | Depositors |            |            | Deposits  |           |           |
|--------------------------------|------------|------------|------------|-----------|-----------|-----------|
|                                | 1933       | 1934       | 1935       | 1933      | 1934      | 1935      |
| Continental United States..... | 12,994,834 | 13,341,661 | 13,415,070 | 9,760,221 | 9,803,186 | 9,871,593 |
| New England.....               | 4,600,383  | 4,610,944  | 4,642,755  | 3,243,098 | 3,280,899 | 3,278,081 |
| Maine.....                     | 218,245    | 229,410    | 231,281    | 117,049   | 118,888   | 120,768   |
| New Hampshire.....             | 265,655    | 280,546    | 237,404    | 175,758   | 182,814   | 163,383   |
| Vermont.....                   | 115,348    | 115,478    | 115,478    | 77,948    | 75,388    | 69,833    |
| Massachusetts.....             | 2,806,667  | 2,834,457  | 2,832,511  | 2,047,876 | 2,051,112 | 2,079,595 |
| Rhode Island.....              | 187,296    | 188,088    | 185,839    | 170,761   | 169,610   | 169,237   |
| Connecticut.....               | 907,162    | 962,665    | 940,242    | 653,704   | 668,087   | 676,265   |
| Middle Atlantic.....           | 7,661,974  | 7,878,810  | 7,973,056  | 5,997,180 | 5,969,088 | 6,016,314 |
| New York.....                  | 6,271,371  | 6,463,196  | 6,578,862  | 5,134,980 | 5,139,593 | 5,193,401 |
| New Jersey.....                | 527,338    | 529,025    | 473,187    | 331,964   | 337,159   | 295,226   |
| Pennsylvania.....              | 863,265    | 886,589    | 923,007    | 500,216   | 612,336   | 527,687   |
| East North Central.....        | 184,334    | 193,351    | 218,084    | 131,168   | 131,129   | 137,649   |
| Ohio.....                      | 146,670    | 161,948    | 170,745    | 107,711   | 108,851   | 114,445   |
| Indiana.....                   | 83,374     | 27,489     | 27,279     | 18,012    | 17,925    | 18,969    |
| Wisconsin.....                 | 4,290      | 3,914      | 20,060     | 5,445     | 4,353     | 4,245     |
| West North Central.....        | 100,509    | 95,612     | 95,642     | 57,693    | 60,157    | 62,849    |
| Minnesota.....                 | 100,509    | 95,612     | 95,642     | 57,693    | 60,157    | 62,849    |
| South Atlantic.....            | 389,085    | 392,949    | 414,316    | 224,946   | 225,080   | 236,216   |
| Delaware.....                  | 48,307     | 49,200     | 49,906     | 27,817    | 20,070    | 30,419    |
| Maryland.....                  | 340,778    | 343,749    | 364,410    | 197,129   | 199,010   | 205,797   |
| Pacific.....                   | 168,599    | 169,895    | 171,217    | 136,156   | 136,812   | 140,414   |
| Washington.....                | 97,101     | 99,134     | 100,920    | 46,767    | 49,169    | 62,782    |
| Oregon.....                    | 187        | 266        | 851        | 34        | 70        | 451       |
| California.....                | 71,281     | 70,495     | 69,446     | 86,355    | 87,573    | 87,181    |

<sup>1</sup> 1934 figures.

<sup>2</sup> Represents the number of savings passbook accounts.

<sup>3</sup> 1926 figures.

<sup>4</sup> 1932 figures.

<sup>5</sup> Figures as of Dec. 30, 1933.

<sup>6</sup> Figures as of Dec. 31, 1934.

Source: American Bankers' Association.

## No. 273.—SUMMARY OF POSTAL SAVINGS BUSINESS, 1912 TO 1935

NOTE.—In addition to main offices there were 810 branches and stations in operation on June 30, 1935. Data include Alaska, Hawaii, Puerto Rico, and Virgin Islands

| Year ended June 30— | Offices in operation at close of period | Deposits made during year | Withdrawals made during year | Balance to credit of depositors at close of period | Number of depositors at close of period | Savings stamps   |                       |                                 | Balance on deposit in banks at close of period |
|---------------------|-----------------------------------------|---------------------------|------------------------------|----------------------------------------------------|-----------------------------------------|------------------|-----------------------|---------------------------------|------------------------------------------------|
|                     |                                         |                           |                              |                                                    |                                         | Sold during year | Re-deemed during year | Out-standing at close of period |                                                |
|                     |                                         | Dollars                   | Dollars                      | Dollars                                            |                                         | Dollars          | Dollars               | Dollars                         | Dollars                                        |
| 1912                | 9,907                                   | 30,732,857                | 11,172,418                   | 20,237,084                                         | 243,801                                 | 160,479          | 134,346               | 34,021                          | 18,586,042                                     |
| 1915                | 8,832                                   | 70,314,858                | 48,074,421                   | 55,684,708                                         | 526,414                                 | 187,424          | 150,232               | 55,206                          | 60,086,319                                     |
| 1917                | 6,423                                   | 132,112,217               | 80,177,406                   | 131,954,696                                        | 674,728                                 | 171,822          | 168,600               | 71,333                          | 126,940,820                                    |
| 1918                | 5,926                                   | 116,893,269               | 100,376,458                  | 148,471,499                                        | 612,188                                 | 117,864          | 130,133               | 59,068                          | 140,958,606                                    |
| 1919                | 5,716                                   | 136,060,122               | 117,888,381                  | 167,323,260                                        | 565,506                                 | 67,766           | 70,787                | 56,097                          | 135,942,981                                    |
| 1920                | 5,583                                   | 139,205,854               | 149,285,392                  | 167,323,260                                        | 565,506                                 | 72,066           | 99,043                | 59,120                          | 126,425,019                                    |
| 1921                | 5,564                                   | 133,574,840               | 138,461,259                  | 152,389,903                                        | 466,109                                 | 60,024           | 62,923                | 56,221                          | 48,968,108                                     |
| 1922                | 6,020                                   | 96,507,746                | 111,161,210                  | 137,736,439                                        | 420,242                                 | 73,672           | 68,188                | 61,704                          | 44,160,417                                     |
| 1923                | 6,047                                   | 83,008,160                | 94,073,269                   | 131,671,300                                        | 417,902                                 | 78,197           | 76,671                | 61,230                          | 41,844,062                                     |
| 1924                | 5,996                                   | 94,932,840                | 93,790,011                   | 132,814,135                                        | 412,684                                 | 68,606           | 68,946                | 62,391                          | 96,369,974                                     |
| 1925                | 5,896                                   | 89,707,991                | 90,345,915                   | 132,173,211                                        | 402,826                                 | 51,888           | 55,547                | 51,232                          | 97,898,486                                     |
| 1926                | 5,853                                   | 90,761,031                | 88,745,704                   | 134,178,558                                        | 399,806                                 | 44,050           | 46,654                | 58,628                          | 101,176,541                                    |
| 1927                | 5,893                                   | 103,006,868               | 99,426,172                   | 147,369,254                                        | 411,394                                 | 37,593           | 37,790                | 58,400                          | 114,597,400                                    |
| 1928                | 5,897                                   | 96,386,496                | 91,002,404                   | 132,143,349                                        | 412,280                                 | 34,145           | 34,874                | 57,672                          | 113,714,519                                    |
| 1929                | 5,976                                   | 112,446,412               | 110,945,232                  | 153,644,529                                        | 410,584                                 | 27,550           | 27,763                | 57,430                          | 127,639,413                                    |
| 1930                | 5,938                                   | 158,950,071               | 138,331,014                  | 176,271,686                                        | 466,401                                 | 26,105           | 25,946                | 57,597                          | 146,255,213                                    |
| 1931                | 6,685                                   | 326,800,908               | 246,755,734                  | 347,418,870                                        | 770,859                                 | 28,198           | 27,310                | 58,447                          | 305,119,696                                    |
| 1932                | 6,743                                   | 850,195,862               | 422,792,066                  | 784,820,623                                        | 1,545,190                               | 30,358           | 34,455                | 60,347                          | 681,726,991                                    |
| 1933                | 7,071                                   | 1,106,826,647             | 763,961,062                  | 1,187,156,208                                      | 2,342,133                               | 45,243           | 41,008                | 69,883                          | 976,877,147                                    |
| 1934                | 7,247                                   | 965,650,799               | 955,616,819                  | 1,197,820,183                                      | 2,562,682                               | 50,309           | 53,623                | 66,574                          | 654,775,399                                    |
| 1935                | 7,301                                   | 944,959,559               | 938,016,807                  | 1,204,832,040                                      | 2,598,391                               | 62,181           | 59,369                | 69,386                          | 384,510,210                                    |
| 1936                |                                         |                           |                              | 1,231,641,400                                      |                                         |                  |                       |                                 |                                                |

<sup>1</sup> Includes small amounts shown on balance sheet as unclaimed excluded in table 274. <sup>2</sup> Preliminary.

## No. 274.—POSTAL SAVINGS DEPOSITS AND DEPOSITORS: BY STATES

| State or Territory | Number of depositors, June 30, 1935 | Balance to credit of depositors, June 30— |               | State or Territory | Number of depositors, June 30, 1935 | Balance to credit of depositors, June 30— |             |
|--------------------|-------------------------------------|-------------------------------------------|---------------|--------------------|-------------------------------------|-------------------------------------------|-------------|
|                    |                                     | 1934                                      | 1935          |                    |                                     | 1934                                      | 1935        |
|                    |                                     | Dollars                                   | Dollars       |                    |                                     | Dollars                                   | Dollars     |
| Grand total        | 2,598,391                           | 1,197,907,773                             | 1,204,843,784 |                    |                                     |                                           |             |
| Cont'l U. S.       | 2,587,128                           | 1,195,290,219                             | 1,202,183,864 |                    |                                     |                                           |             |
| N. England         | 79,699                              | 50,423,604                                | 47,622,716    | S. Atlantic—Contd. |                                     |                                           |             |
| Maine              | 4,592                               | 2,052,605                                 | 2,049,528     | West Virginia      | 15,095                              | 7,846,476                                 | 7,811,909   |
| New Hampshire      | 4,034                               | 2,304,724                                 | 2,255,985     | North Carolina     | 38,728                              | 14,574,611                                | 14,591,727  |
| Vermont            | 1,284                               | 593,906                                   | 601,916       | South Carolina     | 34,148                              | 13,744,532                                | 13,777,177  |
| Massachusetts      | 46,135                              | 32,210,798                                | 20,805,490    | Georgia            | 31,160                              | 12,783,329                                | 12,163,589  |
| Rhode Island       | 3,792                               | 1,744,116                                 | 1,684,063     | Florida            | 108,098                             | 20,880,596                                | 29,004,177  |
| Connecticut        | 19,882                              | 11,508,455                                | 11,225,734    | E. South Central   |                                     |                                           |             |
| Middle Atlantic    | 439,251                             | 212,882,061                               | 199,624,539   | Kentucky           | 70,436                              | 32,649,170                                | 31,575,025  |
| New York           | 247,382                             | 115,848,497                               | 108,591,903   | Tennessee          | 16,162                              | 8,008,232                                 | 7,372,611   |
| New Jersey         | 61,740                              | 34,229,650                                | 32,371,765    | Alabama            | 23,547                              | 9,107,468                                 | 8,329,681   |
| Pennsylvania       | 130,149                             | 62,783,914                                | 60,660,871    | Mississippi        | 14,054                              | 6,859,527                                 | 6,701,162   |
| E. North Central   | 790,988                             | 362,978,593                               | 378,164,586   | W. South Central   |                                     |                                           |             |
| Ohio               | 146,112                             | 69,204,222                                | 69,237,763    | Arkansas           | 154,885                             | 70,035,600                                | 70,327,613  |
| Indiana            | 78,763                              | 30,860,662                                | 32,806,901    | Louisiana          | 25,636                              | 12,078,626                                | 12,206,268  |
| Illinois           | 318,573                             | 145,708,234                               | 152,297,624   | Oklahoma           | 15,801                              | 8,222,253                                 | 8,135,361   |
| Michigan           | 190,555                             | 87,873,504                                | 93,035,827    | Texas              | 46,607                              | 20,638,689                                | 20,690,608  |
| Wisconsin          | 55,565                              | 29,336,971                                | 30,696,561    |                    | 66,821                              | 20,096,032                                | 29,295,391  |
| W. North Central   | 393,211                             | 186,451,195                               | 204,922,253   | Mountain           |                                     |                                           |             |
| Minnesota          | 67,011                              | 38,173,951                                | 39,991,227    | Montana            | 121,403                             | 54,917,868                                | 54,226,709  |
| Iowa               | 110,123                             | 55,626,988                                | 60,329,094    | Idaho              | 22,462                              | 10,915,419                                | 11,373,464  |
| Missouri           | 80,657                              | 35,963,450                                | 38,703,101    | Wyoming            | 15,267                              | 7,995,320                                 | 6,989,993   |
| North Dakota       | 19,735                              | 8,650,529                                 | 9,587,513     | Colorado           | 8,575                               | 4,193,623                                 | 3,945,128   |
| South Dakota       | 26,858                              | 12,643,648                                | 13,080,366    | New Mexico         | 32,780                              | 15,680,359                                | 15,827,483  |
| Nebraska           | 43,363                              | 19,920,617                                | 23,399,161    | Arizona            | 8,921                               | 3,830,925                                 | 3,798,392   |
| Kansas             | 45,404                              | 17,567,012                                | 21,131,791    | Utah               | 16,008                              | 6,951,849                                 | 6,873,523   |
| S. Atlantic        | 275,708                             | 97,109,079                                | 95,558,497    | Nevada             | 6,676                               | 3,389,201                                 | 3,162,520   |
| Delaware           | 1,391                               | 452,369                                   | 436,304       |                    | 7,714                               | 2,543,172                                 | 2,651,201   |
| Maryland           | 10,216                              | 5,394,104                                 | 5,130,401     | Pacific            |                                     |                                           |             |
| Dist. of Col.      | 25,219                              | 7,141,179                                 | 7,499,959     | Washington         | 381,587                             | 126,863,049                               | 120,161,991 |
| Virginia           | 11,653                              | 5,291,884                                 | 5,143,314     | Oregon             | 73,147                              | 32,680,497                                | 32,321,621  |
|                    |                                     |                                           |               | California         | 37,307                              | 16,249,074                                | 15,892,348  |
|                    |                                     |                                           |               |                    | 151,133                             | 76,643,478                                | 71,948,019  |
|                    |                                     |                                           |               | Alaska             | 1,186                               | 836,036                                   | 807,438     |
|                    |                                     |                                           |               | Hawaii             | 1,801                               | 515,352                                   | 442,423     |
|                    |                                     |                                           |               | Puerto Rico        | 7,755                               | 1,218,307                                 | 1,336,545   |
|                    |                                     |                                           |               | Virgin Islands     | 521                                 | 47,859                                    | 73,614      |

Source of tables 273 and 274: Report of the Postmaster General on the Postal Savings System.

# No. 275.—BUILDING AND LOAN ASSOCIATIONS: NUMBER, MEMBERSHIP, TOTAL ASSETS, AND MORTGAGE LOANS, CONTINENTAL UNITED STATES AND EACH STATE

NOTE.—Mortgage loans and assets in thousands of dollars. Data for a majority of the States are as of Dec. 31; for some States, however, they are as of the close of the fiscal year ending various dates

| Year<br>(see note) | Asso-<br>cia-<br>tions | Members                | Total<br>assets | Year<br>(see note)      | Asso-<br>cia-<br>tions | Members    | Total<br>assets | Mortgage<br>loans out-<br>standing |
|--------------------|------------------------|------------------------|-----------------|-------------------------|------------------------|------------|-----------------|------------------------------------|
| 1895.....          | 5,973                  | <sup>1</sup> 1,545,120 | 624,700         | 1924.....               | 11,844                 | 8,554,352  | 4,765,937       |                                    |
| 1900.....          | 5,490                  | <sup>1</sup> 1,495,136 | 614,119         | 1925.....               | 12,403                 | 9,886,997  | 5,609,176       | 5,085,010                          |
| 1905.....          | 5,326                  | 1,686,611              | 648,765         | 1926.....               | 12,626                 | 10,665,705 | 6,334,104       | 5,852,690                          |
| 1910.....          | 5,937                  | 2,216,912              | 945,569         | 1927.....               | 12,800                 | 11,308,061 | 7,156,207       | 6,584,818                          |
| 1915.....          | 6,806                  | 3,334,899              | 1,484,206       | 1928.....               | 12,666                 | 11,995,905 | 8,016,034       | 7,267,065                          |
| 1917.....          | 7,269                  | 3,838,612              | 1,769,142       | 1929.....               | 12,342                 | 12,111,209 | 8,695,154       | 7,790,835                          |
| 1918.....          | 7,484                  | 4,011,401              | 1,893,344       | 1930.....               | 11,767                 | 12,336,754 | 8,824,119       | 7,760,164                          |
| 1919.....          | 7,788                  | 4,289,326              | 2,126,620       | 1931.....               | 11,432                 | 11,324,698 | 8,412,369       | 7,205,340                          |
| 1920.....          | 8,624                  | 5,026,781              | 2,534,320       | 1932.....               | 10,986                 | 10,102,258 | 7,745,282       | 6,390,305                          |
| 1921.....          | 9,265                  | 5,806,888              | 2,890,765       | 1933.....               | 10,716                 | 9,196,093  | 6,972,243       | 5,413,446                          |
| 1922.....          | 10,009                 | 6,364,144              | 3,342,531       | 1934 <sup>2</sup> ..... | 10,909                 | 8,342,569  | 6,445,270       | 4,483,666                          |
| 1923.....          | 10,744                 | 7,202,880              | 3,942,040       | 1935 <sup>2</sup> ..... | 10,521                 | 7,022,804  | 5,883,690       | 3,875,220                          |

  

| State                     | Associations       |                  | Members              |                      | Total assets           |                      | Mortgage loans out-<br>standing |                      |
|---------------------------|--------------------|------------------|----------------------|----------------------|------------------------|----------------------|---------------------------------|----------------------|
|                           | 1933               | 1934             | 1933                 | 1934                 | 1933                   | 1934                 | 1933                            | 1934                 |
| Maine.....                | 36                 | 36               | 25,930               | 24,248               | 23,967                 | 23,473               | 21,063                          | 20,247               |
| New Hampshire.....        | 29                 | 30               | 16,152               | 16,218               | 13,762                 | 14,076               | 12,806                          | 12,787               |
| Vermont.....              | 14                 | 14               | 5,600                | 5,458                | 5,419                  | 5,161                | 4,723                           | 4,489                |
| Massachusetts.....        | 227                | 223              | 438,920              | 409,960              | 502,874                | 478,436              | 406,400                         | 375,727              |
| Rhode Island.....         | 8                  | 8                | 47,898               | 44,016               | 33,691                 | 32,450               | 28,016                          | 24,087               |
| Connecticut.....          | 44                 | 49               | 31,534               | 30,323               | 25,608                 | 24,561               | 22,642                          | 21,104               |
| New York.....             | 293                | 292              | 481,928              | 454,126              | 394,643                | 364,431              | 332,962                         | 276,704              |
| New Jersey.....           | <sup>3</sup> 1,532 | 1,522            | 970,000              | 793,091              | <sup>3</sup> 1,060,000 | 1,034,011            | 798,960                         | 667,814              |
| Pennsylvania.....         | 2,908              | 2,804            | 884,065              | 776,862              | 957,791                | 863,355              | 714,708                         | 610,719              |
| Ohio.....                 | 737                | 731              | 1,886,129            | 1,776,211            | 895,029                | 798,016              | 749,559                         | 605,832              |
| Indiana.....              | 380                | 396              | 341,700              | 293,614              | 246,334                | 217,057              | 196,713                         | 148,907              |
| Illinois.....             | 889                | 900              | 782,300              | 781,005              | 394,648                | 398,418              | 310,074                         | 288,091              |
| Michigan.....             | 65                 | 76               | 185,267              | 177,281              | 142,693                | 133,303              | 101,623                         | 80,705               |
| Wisconsin.....            | 184                | 204              | 238,238              | 213,878              | 245,291                | 212,419              | 186,076                         | 130,643              |
| Minnesota.....            | 75                 | 82               | 96,179               | 71,514               | 39,038                 | 35,476               | 30,827                          | 23,998               |
| Iowa.....                 | 74                 | 90               | 60,072               | 59,499               | 41,789                 | 40,068               | 34,335                          | 29,720               |
| Missouri.....             | 233                | 242              | 207,950              | 181,672              | 169,256                | 154,934              | 130,264                         | 93,823               |
| North Dakota.....         | 22                 | 25               | 22,251               | 17,704               | 12,056                 | 10,053               | 9,375                           | 6,508                |
| South Dakota.....         | 20                 | 22               | 9,650                | 7,729                | 5,845                  | 4,717                | 4,613                           | 3,162                |
| Nebraska.....             | 83                 | 88               | 176,500              | 160,874              | 111,877                | 101,784              | 84,455                          | 71,942               |
| Kansas.....               | 150                | 157              | 165,152              | 132,624              | 106,961                | 91,815               | 76,179                          | 61,468               |
| Delaware.....             | 43                 | 43               | 19,430               | 17,950               | 15,287                 | 14,178               | 12,565                          | 11,233               |
| Maryland.....             | <sup>3</sup> 1,000 | <sup>3</sup> 951 | <sup>3</sup> 283,000 | <sup>3</sup> 263,451 | <sup>3</sup> 185,000   | <sup>3</sup> 171,817 | <sup>3</sup> 146,000            | <sup>3</sup> 128,921 |
| District of Columbia..... | 28                 | 28               | 96,785               | 109,944              | 90,553                 | 97,088               | 83,311                          | 87,172               |
| Virginia.....             | 89                 | 91               | 59,100               | 51,603               | 53,695                 | 48,606               | 44,018                          | 35,358               |
| West Virginia.....        | 50                 | 69               | 50,200               | 50,252               | 35,613                 | 32,291               | 24,305                          | 21,854               |
| North Carolina.....       | 209                | 201              | 74,182               | 73,370               | 68,440                 | 61,055               | 56,285                          | 47,572               |
| South Carolina.....       | <sup>3</sup> 98    | 91               | <sup>3</sup> 18,000  | 16,851               | <sup>3</sup> 20,000    | 16,483               | 15,650                          | 12,239               |
| Georgia.....              | 40                 | 54               | 18,443               | 18,864               | 8,892                  | 8,017                | 5,728                           | 6,467                |
| Florida.....              | 59                 | 93               | 10,370               | 12,429               | 13,129                 | 11,126               | 6,007                           | 4,002                |
| Kentucky.....             | 164                | 182              | 170,300              | 178,834              | 110,937                | 122,756              | 100,353                         | 101,795              |
| Tennessee.....            | 42                 | 69               | 25,640               | 28,020               | 18,993                 | 18,840               | 13,581                          | 11,985               |
| Alabama.....              | 39                 | 46               | 33,490               | 29,354               | 23,844                 | 20,613               | 14,964                          | 9,056                |
| Mississippi.....          | 44                 | 48               | 6,274                | 6,862                | 10,944                 | 6,912                | 8,351                           | 4,658                |
| Arkansas.....             | 55                 | 67               | 30,213               | 18,355               | 25,794                 | 16,093               | 17,495                          | 9,497                |
| Louisiana.....            | 99                 | 107              | 166,241              | 144,875              | 143,557                | 126,779              | 102,856                         | 76,129               |
| Oklahoma.....             | 90                 | 101              | 129,339              | 79,187               | 99,238                 | 71,998               | 73,493                          | 38,846               |
| Texas.....                | 139                | 184              | 137,700              | 128,574              | 100,394                | 86,443               | 76,960                          | 53,783               |
| Montana.....              | 27                 | 27               | 25,800               | 24,900               | 15,026                 | 12,579               | 12,346                          | 8,960                |
| Idaho.....                | 14                 | 14               | 9,550                | 11,185               | 6,272                  | 5,780                | 4,143                           | 3,735                |
| Wyoming.....              | 8                  | 8                | 14,850               | 12,327               | 7,889                  | 6,614                | 4,850                           | 4,984                |
| Colorado.....             | 52                 | 65               | 50,000               | 49,220               | 35,340                 | 40,592               | 24,906                          | 23,971               |
| New Mexico.....           | 16                 | 24               | 4,500                | 4,127                | 4,317                  | 3,994                | 3,427                           | 2,832                |
| Arizona.....              | 2                  | 2                | 1,600                | 1,560                | 600                    | 533                  | 420                             | 257                  |
| Utah.....                 | 21                 | 21               | 34,000               | 50,435               | 23,390                 | 32,797               | 14,694                          | 15,304               |
| Nevada.....               | 5                  | 5                | 2,281                | 1,300                | 1,246                  | 1,011                | 873                             | 568                  |
| Washington.....           | 66                 | 73               | 200,000              | 172,368              | 61,510                 | 57,638               | 42,792                          | 33,528               |
| Oregon.....               | 22                 | 41               | 31,400               | 39,575               | 18,229                 | 18,294               | 13,969                          | 13,644               |
| California.....           | 182                | 133              | 350,000              | 318,966              | 359,895                | 297,556              | 232,428                         | 169,478              |
| Hawaii <sup>4</sup> ..... | 11                 | 11               | 28,012               | 27,580               | 5,289                  | 5,155                | 4,214                           | 3,869                |

<sup>1</sup> Total membership of local associations only; does not include national associations, membership of which declined to 44,484 in 1905; now extinct.

<sup>2</sup> State chartered and Federal associations.

<sup>3</sup> Estimate.

<sup>4</sup> Not included in United States total.

Source: United States Building and Loan League.



## No. 276.—FAILURES OF BUILDING AND LOAN ASSOCIATIONS

[Liabilities and estimated loss in thousands of dollars. Liabilities not available prior to 1930]

| Year | Number failed | Estimated loss | Year | Number failed | Liabilities | Estimated loss |
|------|---------------|----------------|------|---------------|-------------|----------------|
| 1920 | 2             | 1              | 1928 | 23            |             | 568            |
| 1921 | 6             | 92             | 1929 | 159           |             | 2,313          |
| 1922 | 4             | 159            | 1930 | 100           | 80,438      | 24,876         |
| 1923 | 9             | 133            | 1931 | 126           | 61,909      | 22,328         |
| 1924 | 18            | 398            | 1932 | 122           | 62,818      | 20,337         |
| 1925 | 26            | 500            | 1933 | 68            | 215,517     | 45,955         |
| 1926 | 12            | 381            | 1934 | 34            | 34,728      | 10,174         |
| 1927 | 21            | 1,013          | 1935 | 230           | 31,940      | 15,782         |

## No. 277.—FEDERAL HOME LOAN BANKS: PRINCIPAL ASSETS AND LIABILITIES, AS OF DEC. 31

[All figures in thousands of dollars]

| Bank              | Assets  |                           |                                                             |       | Liabilities |                             |                |                                |                                                       |
|-------------------|---------|---------------------------|-------------------------------------------------------------|-------|-------------|-----------------------------|----------------|--------------------------------|-------------------------------------------------------|
|                   | Total   | Loans<br>out-<br>standing | Invest-<br>ments—<br>U. S.<br>Govern-<br>ment<br>securities | Cash  | Deposits    | Capital stock               |                |                                | Surplus,<br>reserve,<br>and un-<br>divided<br>profits |
|                   |         |                           |                                                             |       |             | Issued and out-<br>standing |                | Partially<br>paid <sup>1</sup> |                                                       |
|                   |         |                           |                                                             |       |             | Mem-<br>bers                | U. S.<br>Govt. |                                |                                                       |
| All banks:        |         |                           |                                                             |       |             |                             |                |                                |                                                       |
| 1933              | 95,558  | 88,442                    | 2,326                                                       | 4,218 | 302         | 10,908                      | 75,746         | 4,521                          | 205                                                   |
| 1934              | 110,048 | 87,258                    | 14,376                                                      | 7,860 | 2,932       | 20,480                      | 81,646         | 1,451                          | 1,807                                                 |
| 1935              | 129,244 | 102,795                   | 18,657                                                      | 8,954 | 6,750       | 24,194                      | 94,196         | 596                            | 2,278                                                 |
| Boston            | 8,082   | 3,207                     | 4,350                                                       | 447   | 559         | 2,035                       | 5,300          | 46                             | 88                                                    |
| New York          | 16,465  | 15,356                    | 203                                                         | 783   | 109         | 3,393                       | 12,500         | 79                             | 324                                                   |
| Pittsburgh        | 12,004  | 11,558                    | 143                                                         | 235   | 154         | 1,757                       | 9,600          | 41                             | 237                                                   |
| Winston-<br>Salem | 9,648   | 8,005                     | 1,482                                                       | 82    | 158         | 1,986                       | 7,200          | 39                             | 106                                                   |
| Cincinnati        | 22,645  | 18,107                    | 3,032                                                       | 1,292 | 3,710       | 5,233                       | 12,776         | 255                            | 489                                                   |
| Indianapolis      | 8,325   | 4,604                     | 1,987                                                       | 1,703 | 61          | 1,992                       | 6,000          | 11                             | 170                                                   |
| Chicago           | 17,412  | 16,830                    | 167                                                         | 359   | 1,204       | 2,567                       | 13,000         | 52                             | 330                                                   |
| Des Moines        | 7,553   | 5,728                     | 1,986                                                       | 103   | 221         | 1,130                       | 6,300          | 4                              | 102                                                   |
| Little Rock       | 9,397   | 6,370                     | 2,417                                                       | 357   | 196         | 1,375                       | 7,000          | 19                             | 107                                                   |
| Topeka            | 6,221   | 5,047                     | 1,050                                                       | 81    | 18          | 1,031                       | 4,900          | 31                             | 114                                                   |
| Portland          | 5,256   | 3,371                     | 710                                                         | 1,155 | 77          | 529                         | 4,560          | 6                              | 53                                                    |
| Los Angeles       | 5,938   | 4,410                     | 1,138                                                       | 359   | 195         | 1,166                       | 4,460          | 13                             | 100                                                   |

<sup>1</sup> Subscriptions to stock, members and applicants, less balance due.<sup>2</sup> Figures include loans to affiliated banks amounting to \$3,000,000 for 1933 and \$600,000 for 1934.<sup>3</sup> Including deposits of affiliated banks, \$950,000 for 1934 and \$2,500,000 for 1935.

## No. 278.—FEDERAL HOME LOAN BANK SYSTEM: MEMBER INSTITUTIONS AND INSTITUTIONS INSURED BY THE FEDERAL SAVINGS AND LOAN INSURANCE CORPORATION

[All money figures in thousands of dollars]

|                                                       | 1932    | 1933      | 1934      | 1935      |
|-------------------------------------------------------|---------|-----------|-----------|-----------|
| Member institutions as of Dec. 31:                    |         |           |           |           |
| Number                                                | 119     | 2,086     | 3,072     | 3,460     |
| State-chartered institutions                          | 119     | 2,027     | 2,433     | 2,473     |
| Federal savings and loan associations                 |         | 59        | 639       | 987       |
| Assets                                                | 217,000 | 2,607,000 | 3,305,000 | 3,020,000 |
| State-chartered institutions                          | 217,000 | 2,606,487 | 3,161,000 | 2,525,000 |
| Federal savings and loan associations                 |         | 513       | 144,000   | 495,000   |
| Federal home loan bank loans to members: <sup>1</sup> |         |           |           |           |
| Loans advanced during year                            | 837     | 90,028    | 38,680    | 59,130    |
| Repayments during year                                |         | 5,423     | 37,463    | 42,994    |
| Amounts outstanding Dec. 31                           | 837     | 85,442    | 86,658    | 102,795   |
| Insured institutions:                                 |         |           |           |           |
| Number                                                |         |           | 430       | 1,090     |
| State-chartered associations                          |         |           | 3         | 135       |
| Federal savings and loan associations                 |         |           | 427       | 954       |
| Assets (as of date of insurance)                      |         |           | 106,548   | 641,454   |
| State-chartered associations                          |         |           | 13,955    | 226,747   |
| Federal savings and loan associations                 |         |           | 92,592    | 414,707   |
| Number of shareholders                                |         |           | 134,362   | 842,639   |
| State-chartered Associations                          |         |           | 15,576    | 358,910   |
| Federal Savings and Loan Associations                 |         |           | 118,786   | 503,729   |

<sup>1</sup> Figures include negligible amounts of loans to other than member institutions.

Sources: Table 276, U. S. Building and Loan League; tables 277 and 278, Federal Home Loan Bank Board.

# No. 279.—HOME OWNERS' LOAN CORPORATION: APPLICATIONS FOR LOANS AND LOANS CLOSED FROM DATE OF OPENING TO JAN. 2, 1936

[All money figures, except average loan, in thousands of dollars]

| District and State         | Loans closed                      |             |          |                     |             |                     |         |             | Applications received |  | W |
|----------------------------|-----------------------------------|-------------|----------|---------------------|-------------|---------------------|---------|-------------|-----------------------|--|---|
|                            | Total                             |             |          | Refinancing         |             | Reconditioning      |         |             |                       |  |   |
|                            | Number of properties <sup>1</sup> | Amount      | Average  | Number <sup>1</sup> | Amount      | Number <sup>1</sup> | Amount  | Number      | Amount                |  |   |
| Total to Dec. 27, 1934.    | 722, 213                          | 2, 184, 080 | \$3, 024 | 721, 962            | 2, 168, 018 | 96, 092             | 16, 043 | 1, 740, 724 | 5, 659, 954           |  |   |
| Total to Jan. 2, 1936.     | 975, 034                          | 2, 941, 274 | 3, 017   | 972, 197            | 2, 874, 997 | 333, 113            | 66, 277 | 1, 884, 504 | 6, 166, 180           |  |   |
| District No. 1.            | 156, 255                          | 744, 040    | 4, 782   | 156, 236            | 735, 718    | 29, 727             | 8, 332  | 338, 901    | 1, 668, 314           |  |   |
| Maine.                     | 3, 043                            | 7, 009      | 2, 303   | 3, 043              | 6, 945      | 286                 | 64      | 7, 780      | 10, 589               |  |   |
| N. Hampshire.              | 1, 864                            | 4, 506      | 2, 417   | 1, 864              | 4, 446      | 152                 | 80      | 3, 677      | 9, 424                |  |   |
| Vermont.                   | 1, 569                            | 4, 176      | 2, 662   | 1, 569              | 4, 009      | 524                 | 167     | 2, 568      | 6, 914                |  |   |
| Massachusetts.             | 23, 126                           | 103, 253    | 4, 465   | 23, 121             | 100, 702    | 8, 331              | 2, 551  | 50, 419     | 229, 141              |  |   |
| Rhode Island.              | 6, 068                            | 24, 553     | 4, 046   | 6, 068              | 24, 221     | 1, 328              | 332     | 12, 338     | 51, 723               |  |   |
| Connecticut.               | 10, 214                           | 43, 056     | 4, 304   | 10, 207             | 43, 277     | 3, 007              | 680     | 22, 327     | 118, 167              |  |   |
| New York.                  | 75, 451                           | 387, 327    | 5, 133   | 75, 444             | 383, 811    | 12, 427             | 3, 516  | 157, 872    | 809, 717              |  |   |
| New Jersey.                | 34, 920                           | 169, 259    | 4, 847   | 34, 920             | 168, 306    | 3, 172              | 953     | 81, 920     | 423, 638              |  |   |
| District No. 2.            | 187, 208                          | 663, 683    | 3, 011   | 187, 027            | 554, 113    | 52, 549             | 9, 570  | 390, 941    | 1, 389, 612           |  |   |
| Pennsylvania.              | 57, 345                           | 162, 800    | 2, 839   | 57, 321             | 159, 561    | 16, 617             | 3, 208  | 121, 481    | 450, 187              |  |   |
| Delaware.                  | 1, 636                            | 5, 080      | 3, 105   | 1, 635              | 5, 049      | 363                 | 30      | 2, 815      | 9, 373                |  |   |
| Maryland.                  | 15, 363                           | 44, 054     | 2, 808   | 15, 335             | 43, 421     | 2, 559              | 633     | 28, 857     | 86, 885               |  |   |
| Dist. of Columbia.         | 2, 084                            | 12, 084     | 5, 798   | 2, 082              | 11, 008     | 930                 | 177     | 4, 428      | 27, 546               |  |   |
| Virginia.                  | 11, 804                           | 36, 907     | 3, 127   | 11, 769             | 35, 949     | 5, 566              | 959     | 21, 154     | 63, 697               |  |   |
| West Virginia.             | 8, 841                            | 22, 269     | 2, 519   | 8, 840              | 21, 816     | 2, 153              | 453     | 18, 592     | 48, 182               |  |   |
| Ohio.                      | 90, 135                           | 280, 490    | 3, 112   | 90, 135             | 276, 378    | 24, 361             | 4, 111  | 193, 614    | 703, 743              |  |   |
| District No. 3.            | 143, 146                          | 348, 899    | 2, 423   | 141, 399            | 331, 568    | 71, 447             | 15, 342 | 268, 607    | 648, 124              |  |   |
| North Carolina.            | 12, 291                           | 30, 089     | 2, 497   | 12, 041             | 29, 148     | 7, 106              | 1, 541  | 24, 303     | 61, 753               |  |   |
| South Carolina.            | 5, 591                            | 12, 978     | 2, 321   | 5, 526              | 12, 220     | 2, 790              | 758     | 9, 997      | 23, 250               |  |   |
| Georgia.                   | 15, 082                           | 33, 372     | 2, 213   | 14, 726             | 30, 839     | 11, 052             | 2, 532  | 23, 343     | 52, 828               |  |   |
| Florida.                   | 13, 846                           | 30, 265     | 2, 186   | 13, 327             | 29, 075     | 5, 925              | 1, 191  | 24, 891     | 55, 932               |  |   |
| Kentucky.                  | 9, 094                            | 25, 000     | 2, 749   | 9, 079              | 24, 523     | 2, 924              | 477     | 20, 467     | 53, 842               |  |   |
| Tennessee.                 | 13, 354                           | 29, 022     | 2, 241   | 13, 271             | 28, 952     | 5, 869              | 970     | 24, 424     | 54, 469               |  |   |
| Alabama.                   | 16, 530                           | 36, 185     | 2, 189   | 16, 173             | 33, 692     | 10, 601             | 2, 493  | 28, 010     | 62, 208               |  |   |
| Mississippi.               | 8, 563                            | 15, 936     | 1, 861   | 8, 543              | 15, 189     | 2, 905              | 747     | 18, 600     | 31, 240               |  |   |
| Missouri.                  | 24, 156                           | 73, 843     | 3, 057   | 24, 156             | 72, 460     | 9, 977              | 1, 378  | 45, 666     | 145, 058              |  |   |
| Arkansas.                  | 10, 242                           | 18, 390     | 1, 796   | 10, 188             | 17, 597     | 4, 300              | 794     | 19, 775     | 31, 866               |  |   |
| Louisiana.                 | 14, 210                           | 30, 739     | 2, 197   | 14, 149             | 37, 296     | 7, 819              | 2, 443  | 24, 747     | 70, 600               |  |   |
| Puerto Rico <sup>2</sup> . | 187                               | 581         | 3, 105   | 186                 | 561         | 89                  | 19      | 2, 384      | 5, 067                |  |   |
| District No. 4.            | 218, 448                          | 690, 782    | 3, 162   | 218, 343            | 670, 168    | 107, 898            | 20, 614 | 410, 306    | 1, 332, 019           |  |   |
| Indiana.                   | 46, 369                           | 105, 109    | 2, 283   | 46, 368             | 103, 079    | 15, 808             | 2, 429  | 81, 854     | 202, 588              |  |   |
| Illinois.                  | 64, 190                           | 253, 662    | 3, 952   | 64, 180             | 248, 090    | 30, 523             | 5, 642  | 127, 169    | 502, 259              |  |   |
| Michigan.                  | 76, 681                           | 222, 075    | 2, 896   | 76, 681             | 212, 228    | 45, 784             | 9, 846  | 145, 530    | 409, 018              |  |   |
| Wisconsin.                 | 31, 206                           | 103, 940    | 3, 461   | 31, 114             | 106, 251    | 15, 493             | 2, 696  | 55, 744     | 218, 154              |  |   |
| District No. 5.            | 161, 839                          | 345, 185    | 2, 132   | 161, 324            | 337, 100    | 50, 434             | 8, 086  | 275, 755    | 602, 162              |  |   |
| Minnesota.                 | 20, 163                           | 46, 043     | 2, 284   | 20, 163             | 44, 609     | 12, 080             | 1, 484  | 36, 251     | 90, 411               |  |   |
| Iowa.                      | 18, 679                           | 36, 913     | 1, 975   | 18, 679             | 36, 118     | 4, 006              | 795     | 31, 914     | 65, 054               |  |   |
| North Dakota.              | 4, 269                            | 8, 800      | 2, 061   | 4, 262              | 8, 608      | 924                 | 193     | 7, 458      | 15, 373               |  |   |
| South Dakota.              | 6, 254                            | 10, 826     | 1, 731   | 6, 120              | 10, 304     | 3, 446              | 522     | 9, 296      | 16, 817               |  |   |
| Nebraska.                  | 13, 194                           | 27, 279     | 2, 068   | 13, 189             | 26, 313     | 6, 795              | 965     | 19, 985     | 42, 714               |  |   |
| Kansas.                    | 18, 158                           | 32, 552     | 1, 793   | 17, 927             | 31, 402     | 7, 820              | 1, 150  | 31, 444     | 56, 054               |  |   |
| Oklahoma.                  | 23, 755                           | 53, 938     | 2, 271   | 23, 738             | 53, 211     | 4, 589              | 727     | 38, 369     | 86, 336               |  |   |
| Texas.                     | 43, 695                           | 101, 417    | 2, 321   | 43, 609             | 99, 590     | 8, 329              | 1, 828  | 76, 537     | 177, 065              |  |   |
| Colorado.                  | 11, 358                           | 22, 412     | 1, 974   | 11, 356             | 22, 157     | 1, 495              | 254     | 19, 725     | 42, 617               |  |   |
| New Mexico.                | 2, 416                            | 5, 006      | 2, 072   | 2, 381              | 4, 788      | 950                 | 219     | 4, 776      | 9, 710                |  |   |
| District No. 6.            | 108, 040                          | 250, 685    | 2, 320   | 107, 898            | 246, 342    | 21, 248             | 4, 344  | 201, 994    | 526, 949              |  |   |
| Montana.                   | 3, 383                            | 6, 699      | 1, 977   | 3, 380              | 6, 437      | 1, 190              | 263     | 7, 083      | 13, 378               |  |   |
| Idaho.                     | 4, 319                            | 7, 448      | 1, 724   | 4, 273              | 7, 044      | 1, 734              | 404     | 6, 752      | 10, 698               |  |   |
| Wyoming.                   | 2, 444                            | 5, 426      | 2, 220   | 2, 427              | 5, 256      | 712                 | 170     | 3, 793      | 7, 882                |  |   |
| Utah.                      | 10, 278                           | 24, 102     | 2, 345   | 10, 275             | 23, 355     | 3, 860              | 747     | 14, 878     | 35, 252               |  |   |
| Nevada.                    | 1, 210                            | 8, 294      | 2, 723   | 1, 205              | 3, 202      | 93                  | 92      | 1, 704      | 4, 747                |  |   |
| Arizona.                   | 6, 261                            | 15, 267     | 2, 438   | 6, 261              | 14, 975     | 1, 272              | 293     | 9, 458      | 25, 558               |  |   |
| Washington <sup>3</sup> .  | 21, 182                           | 38, 285     | 1, 807   | 21, 120             | 37, 568     | 3, 909              | 717     | 39, 554     | 76, 566               |  |   |
| Oregon.                    | 9, 125                            | 17, 902     | 1, 962   | 9, 123              | 17, 489     | 2, 398              | 413     | 16, 863     | 37, 164               |  |   |
| California.                | 49, 346                           | 130, 951    | 2, 654   | 49, 346             | 129, 706    | 6, 679              | 1, 245  | 100, 206    | 303, 741              |  |   |
| Hawaii <sup>3</sup> .      | 479                               | 1, 287      | 2, 688   | 479                 | 1, 287      | ---                 | ---     | 1, 649      | 5, 828                |  |   |
| Alaska <sup>3</sup> .      | 9                                 | 24          | 2, 705   | 9                   | 24          | ---                 | ---     | 54          | 136                   |  |   |

<sup>1</sup> Of the total reconditioning loans, 95,941 cases to Dec. 27, 1934, and 330,276 cases to Jan. 2, 1936, had received refinancing loans also and are included in the total refinancing loans; the remaining cases, representing reconditioning loans on unencumbered property, are included in the total properties on which loans have been made.

<sup>2</sup> Estimated; no report received for Jan. 2, 1936.

<sup>3</sup> Reported as of Dec. 26, 1935.

Source: Federal Home Loan Bank Board.

# No. 280.—FARM CREDIT ADMINISTRATION: LOANS AND DISCOUNTS ADVANCED AND OUTSTANDING, 1917 TO 1935

[In thousands of dollars]

| Year                 | Farm mortgage loans by 1— |                        | Loans to cooperatives by—                  |                                                |                                        | Federal intermediate credit banks, loans to and discounts for—         |                                | Production credit associations | Regional agricultural credit corporations | Emergency crop and drought loans |
|----------------------|---------------------------|------------------------|--------------------------------------------|------------------------------------------------|----------------------------------------|------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------------------------------|----------------------------------|
|                      | Federal land banks        | Land Bank Commissioner | Federal intermediate credit banks (direct) | Banks for cooperatives, including central bank | Agricultural Market Act revolving fund | Prod. credit assoc'ns, reg'l agric. credit corp'ns, banks for coop's 2 | Private financing institutions |                                |                                           |                                  |
| Advanced during—     |                           |                        |                                            |                                                |                                        |                                                                        |                                |                                |                                           |                                  |
| 1917                 | 30, 112                   |                        |                                            |                                                |                                        |                                                                        |                                |                                |                                           |                                  |
| 1918                 | 118, 130                  |                        |                                            |                                                |                                        |                                                                        |                                |                                |                                           |                                  |
| 1919                 | 144, 987                  |                        |                                            |                                                |                                        |                                                                        |                                |                                |                                           |                                  |
| 1920                 | 66, 985                   |                        |                                            |                                                |                                        |                                                                        |                                |                                |                                           |                                  |
| 1921                 | 91, 030                   |                        |                                            |                                                |                                        |                                                                        |                                |                                |                                           | \$ 1, 062                        |
| 1922                 | 224, 301                  |                        |                                            |                                                |                                        |                                                                        |                                |                                |                                           | \$ 1, 480                        |
| 1923                 | 192, 083                  |                        | 35, 519                                    |                                                |                                        |                                                                        | 9, 405                         |                                |                                           |                                  |
| 1924                 | 165, 510                  |                        | 83, 223                                    |                                                |                                        |                                                                        | 34, 447                        |                                |                                           | \$ 414                           |
| 1925                 | 127, 355                  |                        | 100, 243                                   |                                                |                                        |                                                                        | 53, 008                        |                                |                                           |                                  |
| 1926                 | 131, 818                  |                        | 103, 941                                   |                                                |                                        |                                                                        | 73, 521                        |                                |                                           | \$ 244                           |
| 1927                 | 140, 384                  |                        | 51, 039                                    |                                                |                                        |                                                                        | 87, 121                        |                                |                                           |                                  |
| 1928                 | 102, 236                  |                        | 53, 571                                    |                                                |                                        |                                                                        | 83, 568                        |                                |                                           |                                  |
| 1929                 | 64, 253                   |                        | 43, 588                                    |                                                | 14, 823                                |                                                                        | 94, 667                        |                                |                                           | \$ 5, 760                        |
| 1930                 | 47, 971                   |                        | 109, 927                                   |                                                | 103, 395                               |                                                                        | 109, 047                       |                                |                                           | \$ 5, 340                        |
| 1931                 | 42, 015                   |                        | 145, 127                                   |                                                | 126, 773                               |                                                                        | 122, 867                       |                                |                                           | \$ 55, 788                       |
| 1932                 | 27, 670                   |                        | 89, 245                                    |                                                | 34, 468                                |                                                                        | 151, 578                       |                                | 24, 597                                   | 64, 205                          |
| 1933                 | 151, 634                  | 70, 812                | 27, 910                                    | 27, 144                                        | 40, 687                                | 109, 746                                                               | 141, 017                       | 27                             | 223, 116                                  | 87, 376                          |
| 1934                 | 730, 367                  | 553, 130               | 57, 369                                    | 40, 371                                        | 9, 555                                 | 223, 597                                                               | 124, 949                       | 110, 162                       | 140, 589                                  | 70, 471                          |
| 1935                 | 248, 671                  | 196, 366               | 44, 509                                    | 66, 348                                        | 7, 402                                 | 252, 738                                                               | 116, 900                       | 210, 670                       | 90, 655                                   | 96, 763                          |
| Outstanding Dec. 31— |                           |                        |                                            |                                                |                                        |                                                                        |                                |                                |                                           |                                  |
| 1918                 | 156, 214                  |                        |                                            |                                                |                                        |                                                                        |                                |                                |                                           |                                  |
| 1919                 | 293, 595                  |                        |                                            |                                                |                                        |                                                                        |                                |                                |                                           |                                  |
| 1920                 | 349, 679                  |                        |                                            |                                                |                                        |                                                                        |                                |                                |                                           |                                  |
| 1921                 | 432, 523                  |                        |                                            |                                                |                                        |                                                                        |                                |                                |                                           |                                  |
| 1922                 | 639, 486                  |                        |                                            |                                                |                                        |                                                                        |                                |                                |                                           | \$ 2, 765                        |
| 1923                 | 799, 597                  |                        | 33, 627                                    |                                                |                                        |                                                                        | 9, 105                         |                                |                                           | \$ 1, 306                        |
| 1924                 | 927, 598                  |                        | 43, 507                                    |                                                |                                        |                                                                        | 18, 760                        |                                |                                           | \$ 1, 460                        |
| 1925                 | 1, 005, 685               |                        | 53, 780                                    |                                                |                                        |                                                                        | 26, 272                        |                                |                                           | \$ 1, 165                        |
| 1926                 | 1, 077, 819               |                        | 52, 704                                    |                                                |                                        |                                                                        | 39, 730                        |                                |                                           | \$ 1, 048                        |
| 1927                 | 1, 155, 644               |                        | 31, 991                                    |                                                |                                        |                                                                        | 43, 924                        |                                |                                           | \$ 1, 240                        |
| 1928                 | 1, 194, 621               |                        | 36, 174                                    |                                                |                                        |                                                                        | 45, 103                        |                                |                                           | \$ 1, 194                        |
| 1929                 | 1, 198, 514               |                        | 23, 073                                    |                                                | 14, 510                                |                                                                        | 50, 018                        |                                |                                           | \$ 6, 924                        |
| 1930                 | 1, 189, 604               |                        | 64, 377                                    |                                                | 136, 668                               |                                                                        | 65, 533                        |                                |                                           | \$ 7, 894                        |
| 1931                 | 1, 167, 698               |                        | 45, 177                                    |                                                | 156, 280                               |                                                                        | 74, 691                        |                                |                                           | \$ 60, 389                       |
| 1932                 | 1, 128, 664               |                        | 9, 866                                     |                                                | 153, 385                               |                                                                        | 82, 518                        |                                | 24, 373                                   | 89, 301                          |
| 1933                 | 1, 232, 707               | 70, 738                | 15, 211                                    | 18, 697                                        | 157, 762                               | 73, 263                                                                | 90, 989                        | 27                             | 144, 636                                  | 89, 811                          |
| 1934                 | 1, 915, 792               | 610, 825               | 33, 969                                    | 27, 851                                        | 54, 863                                | 99, 676                                                                | 55, 672                        | 60, 852                        | 87, 102                                   | 110, 186                         |
| 1935                 | 2, 071, 925               | 794, 726               | 2, 731                                     | 50, 013                                        | 44, 433                                | 104, 706                                                               | 46, 490                        | 94, 096                        | 43, 400                                   | 172, 489                         |

1 For loans by joint stock land banks, see table 287.

2 Amounts in this column are duplicated in loans shown for the 3 agencies concerned.

3 Amounts advanced for the fiscal year ended June 30 and outstanding as of June 30.

Source: Farm Credit Administration.

# No. 281.—NATIONAL FARM LOAN ASSOCIATIONS AND PRODUCTION CREDIT ASSOCIATIONS: NUMBER OF ASSOCIATIONS AS OF DEC. 31, 1935

| District   | National farm loan associations |        |          | Production credit associations | District    | National farm loan associations |        |          | Production credit associations |
|------------|---------------------------------|--------|----------|--------------------------------|-------------|---------------------------------|--------|----------|--------------------------------|
|            | Total                           | Active | Inactive |                                |             | Total                           | Active | Inactive |                                |
| Total      | 5, 034                          | 3, 264 | 1, 770   | 558                            | District 6  | 474                             | 240    | 234      | 61                             |
| District 1 | 167                             | 116    | 51       | 30                             | District 7  | 730                             | 503    | 227      | 77                             |
| District 2 | 210                             | 166    | 44       | 41                             | District 8  | 502                             | 402    | 100      | 42                             |
| District 3 | 535                             | 280    | 255      | 96                             | District 9  | 471                             | 386    | 85       | 42                             |
| District 4 | 490                             | 423    | 67       | 44                             | District 10 | 365                             | 289    | 76       | 38                             |
| District 5 | 368                             | 3      | 365      | 26                             | District 11 | 213                             | 169    | 44       | 31                             |
|            |                                 |        |          |                                | District 12 | 509                             | 287    | 222      | 81                             |

Source: Farm Credit Administration.

# No. 282.—FARM CREDIT ADMINISTRATION: LOANS AND DISCOUNTS OUTSTANDING DEC. 31, 1935, BY STATES

[All figures in thousands of dollars]

|                      | Total <sup>1</sup> | Federal land banks | Land Bank Commissioner | Federal intermediate credit banks | Production credit associations | Regional agricultural credit corporations | Emergency crop loans | Drought relief loans |
|----------------------|--------------------|--------------------|------------------------|-----------------------------------|--------------------------------|-------------------------------------------|----------------------|----------------------|
| Total.....           | 23,233,905         | 2,071,925          | 794,728                | 153,928                           | 94,086                         | 43,400                                    | 208,076              | 65,514               |
| District No. 1.....  | 112,386            | 72,072             | 27,798                 | 10,976                            | 10,174                         | 482                                       | 731                  | 34                   |
| Maine.....           | 17,185             | 8,020              | 4,277                  | 3,929                             | 4,294                          | 4                                         | 478                  | —                    |
| New Hampshire.....   | 2,222              | 1,395              | 679                    | 132                               | 125                            | 5                                         | 18                   | —                    |
| Vermont.....         | 7,205              | 4,825              | 1,444                  | 904                               | 676                            | 22                                        | 25                   | —                    |
| Massachusetts.....   | 11,243             | 6,945              | 3,253                  | 983                               | 661                            | 52                                        | 31                   | —                    |
| Rhode Island.....    | 1,767              | 1,108              | 375                    | 291                               | 282                            | 2                                         | ( <sup>2</sup> )     | —                    |
| Connecticut.....     | 8,823              | 5,858              | 2,185                  | 776                               | 711                            | 7                                         | 18                   | —                    |
| New York.....        | 50,366             | 36,351             | 11,638                 | 3,219                             | 2,734                          | 111                                       | 128                  | 34                   |
| New Jersey.....      | 13,628             | 8,570              | 3,946                  | 741                               | 692                            | 280                                       | 34                   | —                    |
| District No. 2.....  | 119,391            | 64,692             | 25,299                 | 6,122                             | 4,764                          | 67                                        | 3,463                | ( <sup>3</sup> )     |
| Pennsylvania.....    | 32,292             | 21,864             | 8,456                  | 1,651                             | 1,457                          | 11                                        | 439                  | —                    |
| Delaware.....        | 1,474              | 866                | 498                    | 97                                | 56                             | —                                         | 64                   | —                    |
| Maryland.....        | 13,827             | 8,356              | 4,102                  | 850                               | 824                            | 14                                        | 251                  | —                    |
| Virginia.....        | 43,867             | 32,118             | 8,382                  | 1,691                             | 1,322                          | 18                                        | 1,921                | —                    |
| West Virginia.....   | 13,517             | 9,409              | 3,256                  | 476                               | 410                            | 18                                        | 422                  | ( <sup>3</sup> )     |
| Puerto Rico.....     | 14,417             | 12,079             | 606                    | 1,357                             | 696                            | 6                                         | 376                  | —                    |
| District No. 3.....  | 142,402            | 79,423             | 53,806                 | 2,352                             | 1,801                          | 164                                       | 6,394                | 362                  |
| North Carolina.....  | 41,473             | 23,513             | 16,263                 | 298                               | 283                            | 9                                         | 1,405                | —                    |
| South Carolina.....  | 31,548             | 17,464             | 12,217                 | 107                               | 114                            | 11                                        | 1,742                | —                    |
| Georgia.....         | 45,240             | 26,562             | 16,362                 | 340                               | 222                            | 29                                        | 1,959                | —                    |
| Florida.....         | 24,141             | 11,884             | 8,964                  | 1,607                             | 1,182                          | 105                                       | 1,278                | 362                  |
| District No. 4.....  | 303,177            | 210,008            | 81,672                 | 8,286                             | 6,612                          | 53                                        | 3,482                | ( <sup>3</sup> )     |
| Ohio.....            | 86,576             | 59,432             | 23,861                 | 2,549                             | 2,250                          | 12                                        | 448                  | ( <sup>3</sup> )     |
| Indiana.....         | 105,773            | 77,212             | 25,228                 | 2,916                             | 2,091                          | 9                                         | 487                  | ( <sup>3</sup> )     |
| Kentucky.....        | 61,256             | 40,362             | 18,205                 | 1,326                             | 1,147                          | 17                                        | 1,413                | —                    |
| Tennessee.....       | 49,574             | 33,002             | 14,379                 | 1,174                             | 1,124                          | 14                                        | 1,053                | —                    |
| District No. 5.....  | 118,142            | 87,881             | 23,937                 | 1,957                             | 997                            | 43                                        | 4,026                | 402                  |
| Alabama.....         | 42,194             | 31,302             | 8,867                  | 451                               | 323                            | 11                                        | 1,605                | —                    |
| Mississippi.....     | 43,885             | 32,523             | 9,584                  | 315                               | 284                            | 7                                         | 1,483                | —                    |
| Louisiana.....       | 32,061             | 24,055             | 5,486                  | 1,191                             | 390                            | 24                                        | 938                  | 402                  |
| District No. 6.....  | 280,872            | 197,218            | 66,045                 | 10,973                            | 4,655                          | 38                                        | 4,665                | 1,959                |
| Illinois.....        | 182,118            | 125,000            | 39,000                 | 7,837                             | 3,021                          | 11                                        | 343                  | 60                   |
| Missouri.....        | 67,036             | 41,587             | 20,401                 | 2,188                             | 1,486                          | 5                                         | 1,522                | 1,392                |
| Arkansas.....        | 31,517             | 20,630             | 6,644                  | 948                               | 347                            | 22                                        | 2,800                | 507                  |
| District No. 7.....  | 582,250            | 329,993            | 169,575                | 17,085                            | 11,694                         | 16,182                                    | 31,460               | 19,412               |
| Michigan.....        | 81,427             | 51,912             | 26,529                 | 2,103                             | 1,764                          | 207                                       | 783                  | 1                    |
| Wisconsin.....       | 143,210            | 82,801             | 52,745                 | 4,403                             | 3,505                          | 1,035                                     | 1,347                | 993                  |
| Minnesota.....       | 185,842            | 116,068            | 60,682                 | 5,710                             | 4,628                          | 3,827                                     | 3,191                | 6,502                |
| North Dakota.....    | 171,770            | 79,183             | 39,619                 | 4,849                             | 1,797                          | 10,112                                    | 20,139               | 11,925               |
| District No. 8.....  | 569,482            | 393,148            | 119,669                | 14,695                            | 8,788                          | 7,423                                     | 19,305               | 25,680               |
| Iowa.....            | 256,651            | 196,525            | 55,740                 | 3,049                             | 1,844                          | 341                                       | 227                  | 801                  |
| South Dakota.....    | 121,319            | 59,604             | 24,793                 | 3,079                             | 2,470                          | 2,732                                     | 15,352               | 15,686               |
| Nebraska.....        | 170,090            | 117,821            | 34,725                 | 5,781                             | 2,819                          | 2,505                                     | 2,948                | 6,624                |
| Wyoming.....         | 21,421             | 9,135              | 4,411                  | 2,787                             | 1,655                          | 1,844                                     | 782                  | 2,599                |
| District No. 9.....  | 285,788            | 170,918            | 74,294                 | 14,515                            | 10,487                         | 5,462                                     | 13,553               | 7,173                |
| Kansas.....          | 152,163            | 94,407             | 43,884                 | 3,329                             | 2,757                          | 730                                       | 7,000                | 2,874                |
| Oklahoma.....        | 61,742             | 36,775             | 17,620                 | 4,116                             | 2,727                          | 418                                       | 2,043                | 768                  |
| Colorado.....        | 49,344             | 26,492             | 10,051                 | 3,046                             | 2,574                          | 2,126                                     | 2,820                | 2,042                |
| New Mexico.....      | 22,639             | 10,244             | 2,709                  | 4,025                             | 2,109                          | 2,186                                     | 1,989                | 1,457                |
| District No. 10..... | 309,390            | 219,686            | 52,968                 | 20,470                            | 6,245                          | 3,471                                     | 7,309                | 5,840                |
| Texas.....           | 309,390            | 219,686            | 52,968                 | 20,470                            | 6,245                          | 3,471                                     | 7,309                | 5,840                |
| District No. 11..... | 509,604            | 193,055            | 57,734                 | 23,562                            | 11,479                         | 3,033                                     | 5,602                | 1,899                |
| Arizona.....         | 12,507             | 8,025              | 1,500                  | 2,742                             | 1,148                          | 76                                        | 139                  | 42                   |
| Utah.....            | 32,730             | 17,219             | 6,006                  | 6,059                             | 2,163                          | 1,456                                     | 332                  | 1,623                |
| Nevada.....          | 7,175              | 3,495              | 647                    | 1,512                             | 1,055                          | 1,266                                     | 11                   | 99                   |
| California.....      | 157,177            | 94,296             | 49,492                 | 13,279                            | 7,113                          | 238                                       | 103                  | 135                  |
| District No. 12..... | 200,627            | 113,893            | 41,940                 | 22,945                            | 18,290                         | 7,994                                     | 11,200               | 2,733                |
| Montana.....         | 53,834             | 20,482             | 12,106                 | 6,406                             | 5,616                          | 3,732                                     | 9,748                | 1,450                |
| Idaho.....           | 48,645             | 29,967             | 10,296                 | 4,229                             | 3,550                          | 2,774                                     | 401                  | 939                  |
| Washington.....      | 51,121             | 35,280             | 9,654                  | 5,747                             | 2,984                          | 56                                        | 726                  | 230                  |
| Oregon.....          | 46,929             | 28,175             | 9,884                  | 6,562                             | 4,070                          | 1,432                                     | 326                  | 134                  |

<sup>1</sup> In obtaining totals in this column adjustments were made to avoid duplication arising from the fact that production credit associations borrow from and rediscount loans with Federal intermediate credit banks. The following loans which cannot be allocated by States are excluded: Banks for cooperatives, including central banks, \$41,987,000 (total loans, \$50,013,000, less \$8,047,000 under rediscount with Federal intermediate banks); Agricultural Marketing Act revolving fund loans, \$44,433,000. Including these amounts, the grand total loans outstanding were \$3,320,304,000.

<sup>2</sup> Includes \$742,000 emergency crop loans which cannot be allocated by States.

<sup>3</sup> Less than \$500.

<sup>4</sup> Includes all of East Central Fruit Growers Production Credit Association of Dist. 2.

<sup>5</sup> Includes \$17,000 for Hawaii.

<sup>6</sup> Includes all of Northwest Livestock Prod. Credit Assoc'n of Dist. 12.

Source: Farm Credit Administration.

# No. 283.—FEDERAL LAND BANKS AND LAND BANK COMMISSIONER: NUMBER AND AMOUNT OF LOANS CLOSED DURING 1934 AND 1935, BY STATES

[Amounts in thousands of dollars]

| Federal land bank district and State | Federal land banks |          |         |          | Land Bank Commissioner |          |         |          | Total amount of loans (banks and Commissioner) |          |
|--------------------------------------|--------------------|----------|---------|----------|------------------------|----------|---------|----------|------------------------------------------------|----------|
|                                      | 1934               |          | 1935    |          | 1934                   |          | 1935    |          | 1934                                           | 1935     |
|                                      | Number             | Amount   | Number  | Amount   | Number                 | Amount   | Number  | Amount   |                                                |          |
| Total.....                           | 190, 147           | 730, 367 | 58, 068 | 248, 671 | 306, 354               | 553, 138 | 91, 004 | 198, 395 | 1,283,503                                      | 445, 067 |
| District No. 1.....                  | 7, 056             | 18, 244  | 2, 498  | 6, 364   | 9, 386                 | 17, 702  | 3, 921  | 7, 589   | 35, 945                                        | 13, 892  |
| Maine.....                           | 776                | 1, 648   | 357     | 826      | 1, 311                 | 2, 395   | 096     | 1, 236   | 4, 043                                         | 2, 061   |
| N. Hampshire.....                    | 191                | 401      | 49      | 87       | 262                    | 426      | 104     | 186      | 827                                            | 273      |
| Vermont.....                         | 506                | 1, 153   | 173     | 380      | 650                    | 967      | 220     | 334      | 2, 121                                         | 714      |
| Massachusetts.....                   | 705                | 1, 783   | 267     | 567      | 978                    | 1, 952   | 423     | 827      | 3, 735                                         | 1, 394   |
| Rhode Island.....                    | 92                 | 260      | 46      | 137      | 106                    | 208      | 61      | 129      | 468                                            | 255      |
| Connecticut.....                     | 437                | 1, 036   | 219     | 554      | 649                    | 1, 233   | 341     | 713      | 2, 299                                         | 1, 267   |
| New York.....                        | 3, 894             | 9, 079   | 1, 126  | 3, 033   | 4, 120                 | 7, 749   | 1, 023  | 3, 186   | 16, 827                                        | 6, 220   |
| New Jersey.....                      | 955                | 2, 884   | 284     | 781      | 1, 310                 | 2, 741   | 453     | 978      | 5, 626                                         | 1, 759   |
| District No. 2.....                  | 6, 023             | 17, 756  | 1, 736  | 5, 498   | 9, 892                 | 18, 489  | 2, 141  | 3, 694   | 34, 945                                        | 9, 082   |
| Pennsylvania.....                    | 2, 443             | 5, 843   | 625     | 1, 338   | 3, 538                 | 5, 943   | 715     | 1, 068   | 11, 786                                        | 2, 436   |
| Delaware.....                        | 139                | 400      | 29      | 90       | 181                    | 347      | 31      | 59       | 746                                            | 149      |
| Maryland.....                        | 850                | 3, 106   | 295     | 990      | 1, 177                 | 2, 605   | 324     | 615      | 5, 714                                         | 1, 605   |
| Virginia.....                        | 1, 844             | 6, 688   | 483     | 1, 665   | 3, 231                 | 5, 300   | 628     | 1, 071   | 11, 937                                        | 2, 735   |
| West Virginia.....                   | 672                | 1, 537   | 140     | 325      | 1, 713                 | 2, 204   | 206     | 226      | 3, 741                                         | 551      |
| Puerto Rico.....                     | 66                 | 283      | 104     | 1, 061   | 62                     | 88       | 287     | 526      | 322                                            | 1, 587   |
| District No. 3.....                  | 11, 407            | 28, 289  | 1, 472  | 3, 814   | 30, 198                | 40, 451  | 4, 898  | 6, 181   | 69, 690                                        | 8, 794   |
| North Carolina.....                  | 3, 904             | 9, 081   | 650     | 1, 672   | 9, 635                 | 13, 180  | 1, 780  | 2, 297   | 22, 241                                        | 3, 868   |
| South Carolina.....                  | 2, 467             | 6, 356   | 280     | 727      | 6, 567                 | 8, 591   | 1, 089  | 1, 894   | 14, 947                                        | 2, 121   |
| Georgia.....                         | 3, 748             | 9, 189   | 382     | 781      | 10, 415                | 12, 774  | 1, 514  | 1, 660   | 21, 902                                        | 2, 441   |
| Florida.....                         | 1, 288             | 4, 613   | 160     | 534      | 3, 581                 | 5, 926   | 506     | 831      | 10, 640                                        | 1, 364   |
| District No. 4.....                  | 25, 810            | 81, 492  | 4, 784  | 16, 718  | 40, 675                | 64, 098  | 8, 591  | 15, 693  | 145, 590                                       | 32, 591  |
| Ohio.....                            | 8, 840             | 27, 292  | 1, 866  | 6, 371   | 10, 804                | 18, 580  | 2, 610  | 5, 409   | 45, 872                                        | 11, 780  |
| Indiana.....                         | 9, 649             | 29, 933  | 1, 647  | 5, 636   | 12, 672                | 20, 133  | 2, 573  | 4, 862   | 50, 066                                        | 10, 498  |
| Kentucky.....                        | 4, 120             | 14, 694  | 680     | 2, 852   | 8, 988                 | 14, 222  | 1, 580  | 2, 849   | 28, 915                                        | 5, 701   |
| Tennessee.....                       | 3, 301             | 9, 573   | 591     | 1, 859   | 8, 211                 | 11, 164  | 1, 768  | 2, 683   | 20, 736                                        | 4, 543   |
| District No. 5.....                  | 3, 784             | 10, 551  | 480     | 1, 670   | 19, 529                | 18, 348  | 2, 813  | 3, 082   | 39, 899                                        | 4, 732   |
| Alabama.....                         | 1, 611             | 4, 032   | 234     | 544      | 6, 973                 | 6, 965   | 1, 345  | 1, 322   | 10, 997                                        | 1, 866   |
| Mississippi.....                     | 1, 202             | 3, 695   | 140     | 578      | 8, 604                 | 7, 809   | 952     | 934      | 11, 505                                        | 1, 510   |
| Louisiana.....                       | 911                | 2, 824   | 106     | 550      | 3, 952                 | 4, 573   | 516     | 806      | 7, 397                                         | 1, 356   |
| District No. 6.....                  | 12, 672            | 65, 460  | 6, 101  | 38, 185  | 20, 288                | 37, 122  | 10, 394 | 24, 445  | 102, 889                                       | 61, 131  |
| Illinois.....                        | 8, 427             | 51, 895  | 4, 276  | 29, 157  | 8, 641                 | 21, 493  | 4, 931  | 15, 322  | 73, 359                                        | 44, 479  |
| Missouri.....                        | 3, 745             | 11, 415  | 1, 658  | 5, 909   | 7, 581                 | 11, 598  | 3, 880  | 7, 350   | 23, 013                                        | 13, 259  |
| Arkansas.....                        | 500                | 2, 150   | 107     | 1, 120   | 4, 066                 | 4, 061   | 1, 583  | 2, 273   | 6, 211                                         | 3, 393   |
| District No. 7.....                  | 48, 108            | 154, 241 | 15, 191 | 63, 350  | 82, 287                | 117, 073 | 21, 881 | 50, 466  | 271, 315                                       | 103, 816 |
| Michigan.....                        | 10, 314            | 23, 162  | 2, 665  | 6, 416   | 13, 781                | 19, 525  | 4, 405  | 7, 498   | 42, 687                                        | 13, 915  |
| Wisconsin.....                       | 12, 234            | 39, 333  | 4, 955  | 17, 183  | 16, 165                | 33, 916  | 4, 064  | 18, 635  | 73, 249                                        | 35, 719  |
| Minnesota.....                       | 13, 767            | 54, 432  | 5, 130  | 21, 368  | 16, 190                | 33, 845  | 6, 074  | 14, 963  | 88, 277                                        | 36, 331  |
| North Dakota.....                    | 11, 788            | 37, 314  | 2, 441  | 8, 382   | 16, 151                | 29, 788  | 4, 338  | 9, 470   | 67, 102                                        | 17, 852  |
| District No. 8.....                  | 28, 291            | 151, 923 | 11, 505 | 82, 555  | 34, 534                | 78, 903  | 13, 438 | 37, 008  | 230, 828                                       | 99, 580  |
| Iowa.....                            | 12, 527            | 76, 911  | 5, 101  | 33, 922  | 12, 794                | 35, 121  | 5, 669  | 10, 226  | 112, 032                                       | 53, 147  |
| South Dakota.....                    | 6, 693             | 24, 295  | 2, 745  | 10, 269  | 9, 248                 | 17, 073  | 3, 673  | 7, 639   | 41, 368                                        | 18, 008  |
| Nebraska.....                        | 9, 375             | 48, 267  | 3, 418  | 17, 200  | 10, 316                | 23, 404  | 3, 543  | 9, 018   | 71, 671                                        | 26, 218  |
| Wyoming.....                         | 696                | 2, 450   | 241     | 1, 064   | 2, 170                 | 3, 305   | 553     | 1, 123   | 5, 755                                         | 2, 187   |
| District No. 9.....                  | 18, 847            | 65, 456  | 8, 085  | 29, 067  | 28, 060                | 51, 525  | 10, 566 | 19, 724  | 116, 961                                       | 48, 791  |
| Kansas.....                          | 12, 049            | 40, 211  | 4, 902  | 18, 751  | 14, 307                | 30, 595  | 5, 300  | 11, 135  | 76, 806                                        | 29, 886  |
| Oklahoma.....                        | 4, 844             | 13, 184  | 2, 022  | 6, 987   | 8, 664                 | 12, 637  | 3, 036  | 4, 359   | 25, 821                                        | 10, 346  |
| Colorado.....                        | 1, 617             | 4, 887   | 959     | 3, 562   | 3, 910                 | 6, 490   | 1, 762  | 3, 325   | 11, 377                                        | 6, 886   |
| New Mexico.....                      | 337                | 1, 154   | 212     | 787      | 1, 179                 | 1, 802   | 468     | 906      | 2, 957                                         | 1, 672   |
| District No. 10.....                 | 11, 330            | 56, 848  | 3, 072  | 13, 137  | 20, 031                | 37, 803  | 4, 531  | 7, 987   | 94, 651                                        | 21, 104  |
| Texas.....                           | 11, 330            | 56, 848  | 3, 072  | 13, 137  | 20, 031                | 37, 803  | 4, 531  | 7, 987   | 94, 651                                        | 21, 104  |
| District No. 11.....                 | 9, 291             | 56, 193  | 2, 267  | 13, 089  | 18, 609                | 41, 763  | 4, 277  | 11, 341  | 87, 888                                        | 24, 429  |
| Arizona.....                         | 274                | 1, 292   | 200     | 1, 018   | 430                    | 730      | 274     | 670      | 2, 022                                         | 1, 688   |
| Utah.....                            | 1, 272             | 3, 498   | 457     | 1, 534   | 2, 352                 | 3, 905   | 876     | 1, 782   | 7, 404                                         | 3, 315   |
| Nevada.....                          | 74                 | 471      | 28      | 182      | 187                    | 405      | 64      | 211      | 876                                            | 393      |
| California.....                      | 7, 671             | 50, 863  | 1, 672  | 10, 355  | 13, 670                | 36, 723  | 3, 063  | 8, 678   | 87, 585                                        | 19, 033  |
| District No. 12.....                 | 6, 533             | 23, 054  | 1, 787  | 7, 458   | 14, 865                | 30, 869  | 3, 632  | 8, 719   | 53, 914                                        | 16, 174  |
| Montana.....                         | 514                | 1, 904   | 199     | 859      | 3, 804                 | 8, 813   | 1, 242  | 3, 252   | 10, 517                                        | 4, 111   |
| Idaho.....                           | 2, 321             | 8, 045   | 518     | 1, 835   | 3, 816                 | 8, 217   | 740     | 1, 725   | 16, 261                                        | 3, 560   |
| Washington.....                      | 1, 598             | 5, 131   | 457     | 2, 003   | 3, 637                 | 6, 907   | 787     | 1, 771   | 11, 738                                        | 3, 774   |
| Oregon.....                          | 2, 100             | 7, 975   | 613     | 2, 758   | 3, 552                 | 7, 422   | 863     | 1, 971   | 15, 397                                        | 4, 729   |

Source: Farm Credit Administration.

**No. 284.—FEDERAL LAND BANKS: PRINCIPAL ASSETS AND LIABILITIES AS OF DEC. 31**

[All figures in thousands of dollars]

| December 31— | Assets    |                             |                                                                   |                           | Liabilities                              |                      |                    |                              |                                            |
|--------------|-----------|-----------------------------|-------------------------------------------------------------------|---------------------------|------------------------------------------|----------------------|--------------------|------------------------------|--------------------------------------------|
|              | Total     | Mortgage loans <sup>1</sup> | U. S. Govt. obligations, direct and fully guaranteed <sup>2</sup> | Cash on hand and in banks | Farm loan bonds outstanding <sup>3</sup> | Capital stock        |                    | Paid-in surplus, U. S. Govt. | Reserve and undivided profits <sup>5</sup> |
|              |           |                             |                                                                   |                           |                                          | Owned by U. S. Govt. | Other <sup>4</sup> |                              |                                            |
| 1929.....    | 1,301,138 | 1,197,282                   | 21,816                                                            | 13,720                    | 1,187,662                                | 326                  | 65,409             | .....                        | 18,384                                     |
| 1930.....    | 1,208,349 | 1,187,439                   | 15,920                                                            | 15,860                    | 1,184,460                                | 268                  | 65,866             | .....                        | 17,623                                     |
| 1931.....    | 1,282,880 | 1,102,859                   | 12,249                                                            | 11,272                    | 1,169,877                                | 205                  | 65,471             | .....                        | 15,869                                     |
| 1932.....    | 1,380,527 | 1,116,236                   | 100,548                                                           | 12,260                    | 1,147,407                                | 125,046              | 64,001             | .....                        | 16,023                                     |
| 1933.....    | 1,514,410 | 1,213,110                   | 65,894                                                            | 28,889                    | 1,241,610                                | 124,648              | 60,619             | 17,418                       | 17,026                                     |
| 1934.....    | 2,230,025 | 1,895,810                   | 91,952                                                            | 30,088                    | 1,784,305                                | 117,617              | 103,977            | 59,269                       | 4,975                                      |
| 1935.....    | 2,391,897 | 2,070,612                   | 41,019                                                            | 26,524                    | 1,927,895                                | 123,098              | 112,893            | 94,291                       | 27,871                                     |

<sup>1</sup> Less payments on principal and principal of delinquent and extended installments.<sup>2</sup> Less amounts sold under repurchase agreements.<sup>3</sup> Unmatured. Figures for 1932 include \$18,500,000 of bonds issued to the Reconstruction Finance Corporation and for 1933, \$142,118,000.<sup>4</sup> Owned by national farm loan associations and individual borrowers.<sup>5</sup> Not including special reserves set up against particular assets.<sup>6</sup> Less impairment or deficit. The decrease in reserves and undivided profits for 1934 resulted largely from a change in accounting procedures.<sup>7</sup> Includes surplus accrued, not yet paid, \$3,054,000 for 1934 and \$2,719,000 for 1935.**No. 285.—FEDERAL FARM MORTGAGE CORPORATION: PRINCIPAL ASSETS AND LIABILITIES AS OF DEC. 31, 1935**

[All figures in thousands of dollars]

|                                                          | Amount           |                                                                                | Amount           |
|----------------------------------------------------------|------------------|--------------------------------------------------------------------------------|------------------|
| <b>Assets, total.....</b>                                | <b>1,618,585</b> | <b>Liabilities, total.....</b>                                                 | <b>1,618,585</b> |
| Mortgage loans (unpaid principal).....                   | 794,726          | Federal Farm Mortgage Corporation bonds outstanding less on hand.....          | 1,387,254        |
| Cash on deposit with Treasurer of the United States..... | 46,295           | Accrued interest on Federal Farm Mortgage Corporation bonds (not yet due)..... | 8,635            |
| Consolidated Federal farm loan bonds (par value).....    | 754,630          | Other liabilities.....                                                         | 10,844           |
| Accrued interest receivable (not yet due).....           | 18,443           | Reserve for losses on mortgage loans.....                                      | 11,852           |
| Other assets.....                                        | 1,491            | Capital stock, U. S. Government.....                                           | 200,000          |

<sup>1</sup> Includes first mortgage loans on real estate, \$299,503,000, second mortgage loans on real estate, \$485,171,000, crop and chattel mortgage loans, \$52,000.**No. 286.—JOINT-STOCK LAND BANKS: PRINCIPAL ASSETS AND LIABILITIES**

NOTE.—Banks in receiverships are not included. The Farm Mortgage Act of 1933, approved May 12, prohibited the joint-stock banks from making new farm-mortgage loans, except in connection with refinancing of existing loans, and provided for the orderly liquidation of the banks

[All figures in thousands of dollars]

|                                                      | Apr. 30, 1933  | Dec. 31, 1933  | Dec. 31, 1934  | Dec. 31, 1935  |
|------------------------------------------------------|----------------|----------------|----------------|----------------|
| <b>Assets, total.....</b>                            | <b>478,062</b> | <b>441,805</b> | <b>336,611</b> | <b>264,620</b> |
| Mortgage loans <sup>1</sup> .....                    | 390,101        | 353,683        | 232,859        | 165,390        |
| Purchase money mortgages, contracts, etc.....        | 11,721         | 13,103         | 14,013         | 18,000         |
| Cash and securities.....                             | 12,479         | 12,230         | 33,266         | 21,247         |
| Real estate, sheriff's certificates, etc.....        | 53,109         | 50,280         | 49,057         | 53,954         |
| Other assets.....                                    | 10,663         | 12,413         | 7,416          | 6,028          |
| <b>Liabilities.....</b>                              | <b>478,062</b> | <b>441,805</b> | <b>336,611</b> | <b>264,620</b> |
| Bonds <sup>2</sup> .....                             | 412,099        | 367,059        | 270,280        | 205,228        |
| Notes payable.....                                   | 7,711          | 16,185         | 9,170          | 7,331          |
| Other liabilities.....                               | 10,656         | 10,221         | 8,714          | 6,468          |
| Capital stock and paid-in surplus.....               | 38,209         | 38,170         | 38,098         | 37,682         |
| Earned surplus, reserves, and undivided profits..... | 9,387          | 10,160         | 10,399         | 7,911          |

<sup>1</sup> Less payments on principal and principal of delinquent installments.<sup>2</sup> Includes bonds matured or called and certificates in lieu of fractional bonds.

Source of tables 284, 285, and 286: Farm Credit Administration.

### No. 287.—JOINT-STOCK LAND BANKS: FARM MORTGAGE LOANS CLOSED AND OUTSTANDING, 1917 TO 1935

NOTE.—All figures in thousands of dollars. Banks in receivership are included

| Year      | Loans closed | Loans outstanding Dec. 31 <sup>1</sup> | Year      | Loans closed | Loans outstanding Dec. 31 <sup>1</sup> |
|-----------|--------------|----------------------------------------|-----------|--------------|----------------------------------------|
| 1917..... | 80,843       | ( <sup>2</sup> )                       | 1927..... | 83,719       | 669,798                                |
| 1918..... |              | 8,384                                  | 1928..... | 40,572       | 656,516                                |
| 1919..... |              | 60,038                                 | 1929..... | 18,186       | 626,980                                |
| 1920..... |              | 77,959                                 | 1930..... | 5,238        | 690,811                                |
| 1921..... |              | 85,017                                 | 1931..... | 5,407        | 536,644                                |
| 1922..... | 138,685      | 218,775                                | 1932..... | 2,181        | 469,183                                |
| 1923..... | 189,748      | 392,639                                | 1933..... | 739          | 392,438                                |
| 1924..... | 74,587       | 446,420                                | 1934..... | 216          | 255,927                                |
| 1925..... | 131,431      | 545,559                                | 1935..... | 275          | 175,677                                |
| 1926..... | 123,026      | 632,476                                |           |              |                                        |

<sup>1</sup> Unmatured principal, except for banks in receivership, for which unpaid principal is used.

<sup>2</sup> Not available.

### No. 288.—JOINT-STOCK LAND BANKS: NUMBER AND AMOUNT OF LOANS OUTSTANDING BY STATES, DEC. 31, 1935

NOTE.—Unmatured principal in thousands of dollars. Banks in receivership are included

| State           | Number | Unmatured principal <sup>1</sup> | State               | Number | Unmatured principal <sup>1</sup> | State               | Number | Unmatured principal <sup>1</sup> |
|-----------------|--------|----------------------------------|---------------------|--------|----------------------------------|---------------------|--------|----------------------------------|
| Total.....      | 38,477 | 175,677                          | Louisiana.....      | 26     | 261                              | Oklahoma.....       | 498    | 1,762                            |
| Alabama.....    | 426    | 1,862                            | Maryland.....       | 851    | 1,668                            | Oregon.....         | 561    | 5,638                            |
| Arizona.....    | 85     | 429                              | Michigan.....       | 454    | 1,458                            | Pennsylvania.....   | 1,177  | 3,262                            |
| Arkansas.....   | 926    | 5,418                            | Minnesota.....      | 224    | 1,116                            | South Carolina..... | 580    | 1,865                            |
| California..... | 540    | 4,658                            | Mississippi.....    | 324    | 3,339                            | South Dakota.....   | 179    | 1,167                            |
| Colorado.....   | 835    | 4,642                            | Missouri.....       | 1,134  | 4,604                            | Tennessee.....      | 284    | 667                              |
| Georgia.....    | 786    | 2,925                            | Montana.....        | 126    | 641                              | Texas.....          | 5,601  | 32,642                           |
| Idaho.....      | 123    | 290                              | Nebraska.....       | 543    | 3,300                            | Utah.....           | 21     | 86                               |
| Illinois.....   | 3,071  | 19,006                           | Nevada.....         | 16     | 254                              | Virginia.....       | 959    | 2,673                            |
| Indiana.....    | 4,424  | 17,123                           | New Jersey.....     | 173    | 601                              | Washington.....     | 99     | 810                              |
| Iowa.....       | 1,935  | 17,445                           | New York.....       | 1,196  | 3,808                            | West Virginia.....  | 849    | 1,430                            |
| Kansas.....     | 1,201  | 5,199                            | North Carolina..... | 4,857  | 11,091                           | Wyoming.....        | 356    | 2,151                            |
| Kentucky.....   | 719    | 2,480                            | North Dakota.....   | 41     | 174                              |                     |        |                                  |
|                 |        |                                  | Ohio.....           | 2,497  | 7,733                            |                     |        |                                  |

<sup>1</sup> Includes unpaid principal for three banks in receivership.

### No. 289.—BANKS FOR COOPERATIVES: ADVANCES MADE DURING 1935 AND LOANS OUTSTANDING DEC. 31, 1935, BY BANKS AND BY TYPE OF LOAN

[All figures in thousands of dollars]

| Banks               | Advances | Loans outstanding |           |           |          | Commodity                   | Loans outstanding |           |          |
|---------------------|----------|-------------------|-----------|-----------|----------|-----------------------------|-------------------|-----------|----------|
|                     |          | Total             | Commodity | Operating | Facility |                             | Commodity         | Operating | Facility |
| Total.....          | 166,348  | 50,013            | 8,792     | 27,718    | 13,593   | Total.....                  | 8,792             | 27,718    | 13,593   |
| District banks..... | 40,184   | 30,432            | 3,073     | 15,499    | 11,869   | Fruits and vegetables.....  | 4,505             | 6,133     | 4,477    |
| Springfield.....    | 2,405    | 2,228             | 110       | 1,113     | 1,004    | Dairy.....                  | 10                | 3,940     | 3,046    |
| Baltimore.....      | 4,196    | 2,559             | 662       | 1,562     | 335      | Poultry.....                | 45                | 968       | 394      |
| Columbia.....       | 2,307    | 1,662             | 121       | 1,276     | 265      | Grain.....                  | 3,780             | 4,109     | 1,678    |
| Louisville.....     | 6,854    | 2,024             | 157       | 1,558     | 309      | Tobacco.....                | 71                | 338       | ---      |
| New Orleans.....    | 2,432    | 1,694             | ---       | 1,326     | 368      | Sugar.....                  | 86                | 210       | 322      |
| St. Louis.....      | 1,604    | 1,729             | 83        | 1,080     | 560      | Nuts.....                   | 59                | 383       | 17       |
| St. Paul.....       | 2,694    | 2,393             | 25        | 2,262     | 1,116    | Wool and mohair.....        | ---               | 1         | 45       |
| Omaha.....          | 1,503    | 1,693             | 97        | 1,241     | 345      | Cotton.....                 | ---               | 7,052     | 917      |
| Wichita.....        | 1,584    | 1,785             | 150       | 616       | 1,018    | Livestock.....              | ---               | 881       | 221      |
| Houston.....        | 1,356    | 1,134             | ---       | 387       | 747      | Farm supply.....            | 4                 | 3,244     | 1,850    |
| Berkeley.....       | 7,160    | 6,610             | 781       | 2,682     | 3,147    | General.....                | 4                 | 2,751     | 148      |
| Spokane.....        | 6,139    | 4,931             | 888       | 1,406     | 2,637    | Mutual water ass'ns.....    | ---               | ---       | 1,621    |
|                     |          |                   |           |           |          | Petroleum products.....     | ---               | 493       | 180      |
| Central bank.....   | 28,764   | 19,682            | 5,629     | 12,218    | 1,734    | Farm business services..... | ---               | 68        | 34       |
|                     |          |                   |           |           |          | Miscellaneous.....          | 143               | 392       | 692      |

<sup>1</sup> Adjusted to avoid duplication arising from district banks' participation in loans made by the central bank.

Source of tables 287, 288, and 289: Farm Credit Administration.

## No. 290.—FEDERAL INTERMEDIATE CREDIT BANKS: PRINCIPAL ASSETS AND LIABILITIES, DEC. 31

[All figures in thousands of dollars]

|                  | Assets   |                                  |                        |                        |                                                             | Liabilities               |                                               |                                                              |                                                 |
|------------------|----------|----------------------------------|------------------------|------------------------|-------------------------------------------------------------|---------------------------|-----------------------------------------------|--------------------------------------------------------------|-------------------------------------------------|
|                  | Total    | Loans and discounts <sup>1</sup> |                        |                        | U. S. obligations, direct and fully guaranteed <sup>2</sup> | Cash on hand and in banks | Paid-in capital and surplus, U. S. Government | Surplus earned, reserves, and undivided profits <sup>3</sup> | Debentures outstanding (unmatured) <sup>4</sup> |
|                  |          | Cooperative associations         | Banks for cooperatives | Financing institutions |                                                             |                           |                                               |                                                              |                                                 |
| All banks:       |          |                                  |                        |                        |                                                             |                           |                                               |                                                              |                                                 |
| 1925.....        | 126, 135 | 53, 780                          | -----                  | 26, 272                | 4, 498                                                      | 3, 393                    | 24, 000                                       | 1, 997                                                       | 58, 899                                         |
| 1928.....        | 134, 315 | 52, 704                          | -----                  | 39, 730                | -----                                                       | 4, 074                    | 25, 000                                       | 1, 563                                                       | 68, 580                                         |
| 1927.....        | 118, 073 | 31, 991                          | -----                  | 43, 924                | 500                                                         | 3, 865                    | 25, 000                                       | 1, 680                                                       | 60, 450                                         |
| 1928.....        | 118, 006 | 36, 174                          | -----                  | 45, 103                | 50                                                          | 3, 242                    | 27, 000                                       | 1, 934                                                       | 42, 475                                         |
| 1929.....        | 110, 812 | 26, 073                          | -----                  | 50, 018                | 1, 117                                                      | 2, 930                    | 30, 000                                       | 2, 210                                                       | 45, 695                                         |
| 1930.....        | 167, 549 | 64, 377                          | -----                  | 65, 833                | 2, 234                                                      | 4, 482                    | 30, 000                                       | 3, 239                                                       | 101, 225                                        |
| 1931.....        | 156, 409 | 45, 177                          | -----                  | 74, 691                | 1, 366                                                      | 4, 118                    | 30, 000                                       | 3, 947                                                       | 77, 490                                         |
| 1932.....        | 137, 172 | 9, 866                           | -----                  | 82, 518                | 6, 813                                                      | 8, 511                    | 32, 000                                       | 2, 166                                                       | 72, 270                                         |
| 1933.....        | 195, 649 | 15, 211                          | -----                  | 134, 252               | 32, 747                                                     | 8, 979                    | 60, 000                                       | 3, 679                                                       | 128, 185                                        |
| 1934.....        | 273, 449 | 33, 969                          | -----                  | 155, 347               | 74, 205                                                     | 5, 316                    | 100, 000                                      | 3, 397                                                       | 184, 870                                        |
| 1935.....        | 239, 755 | 2, 731                           | 8, 047                 | 143, 150               | 53, 255                                                     | 9, 587                    | 100, 000                                      | 5, 962                                                       | 131, 005                                        |
| Springfield..... | 16, 744  | 566                              | 90                     | 10, 352                | 5, 300                                                      | 271                       | 5, 390                                        | 987                                                          | 7, 500                                          |
| Baltimore.....   | 17, 178  | -----                            | 5, 975                 | 5, 739                 | 4, 960                                                      | 299                       | 5, 785                                        | 569                                                          | 8, 700                                          |
| Columbia.....    | 11, 947  | -----                            | 59                     | 2, 293                 | 5, 225                                                      | 924                       | 9, 117                                        | 7, 750                                                       | 3, 500                                          |
| Louisville.....  | 13, 419  | 25                               | 155                    | 7, 702                 | 4, 900                                                      | 575                       | 5, 832                                        | 916                                                          | 6, 600                                          |
| New Orleans..... | 9, 340   | 520                              | -----                  | 1, 433                 | 3, 575                                                      | 682                       | 6, 238                                        | 41                                                           | 3, 000                                          |
| St. Louis.....   | 14, 728  | 580                              | 83                     | 8, 796                 | 4, 045                                                      | 1, 103                    | 5, 536                                        | 752                                                          | 8, 270                                          |
| St. Paul.....    | 26, 743  | -----                            | 14                     | 16, 788                | 9, 150                                                      | 640                       | 10, 993                                       | 1, 400                                                       | 14, 000                                         |
| Omaha.....       | 23, 426  | 11                               | 47                     | 13, 520                | 8, 700                                                      | 1, 004                    | 10, 538                                       | 1, 568                                                       | 10, 850                                         |
| Wichita.....     | 22, 462  | -----                            | -----                  | 13, 293                | 7, 000                                                      | 1, 887                    | 9, 627                                        | 701                                                          | 11, 200                                         |
| Houston.....     | 26, 587  | -----                            | -----                  | 20, 294                | 5, 175                                                      | 921                       | 7, 834                                        | 1, 167                                                       | 17, 235                                         |
| Berkeley.....    | 32, 509  | 544                              | 763                    | 21, 326                | 8, 300                                                      | 1, 398                    | 12, 308                                       | 71, 448                                                      | 21, 250                                         |
| Spokane.....     | 31, 221  | 636                              | 859                    | 21, 616                | 6, 925                                                      | 382                       | 10, 803                                       | 52                                                           | 18, 900                                         |

<sup>1</sup> Exclusive of interbank loans.<sup>2</sup> Less sold under repurchase agreement.<sup>3</sup> Net amount after deducting impairment or deficit.<sup>4</sup> Adjusted for debentures held by banks of issue and by other Federal intermediate credit banks.<sup>5</sup> Total is less than the sum of the figures for the individual banks because of interbank borrowings.<sup>6</sup> Carried at cost or par, whichever is lower.<sup>7</sup> Deficit.

## No. 291.—FEDERAL INTERMEDIATE CREDIT BANKS: CLASSIFICATION OF LOANS AND DISCOUNTS OUTSTANDING AS OF DEC. 31

[All figures in thousands of dollars]

|                                                                        | 1928    | 1929    | 1930    | 1931    | 1932    | 1933     | 1934     | 1935     |
|------------------------------------------------------------------------|---------|---------|---------|---------|---------|----------|----------|----------|
| Banks for cooperatives and cooperative associations <sup>1</sup> ..... | 36, 174 | 26, 073 | 64, 377 | 45, 177 | 9, 866  | 15, 211  | 33, 969  | 10, 778  |
| Cotton.....                                                            | 23, 099 | 12, 031 | 39, 173 | 15, 767 | 2, 274  | 5, 200   | 21, 179  | 520      |
| Tobacco.....                                                           | 1, 565  | -----   | -----   | -----   | 689     | 613      | 28       | 71       |
| Wheat and other grains.....                                            | 2, 483  | 4, 412  | 3, 436  | 10, 457 | 455     | 808      | 485      | 3, 536   |
| Rice.....                                                              | 1, 960  | 1, 470  | 2, 109  | 1, 279  | 530     | 816      | 983      | 491      |
| Redtop, blue grass, alfalfa, and clover seed.....                      | 111     | 94      | 538     | 1, 786  | 1, 084  | 926      | 33       | 353      |
| Canned fruit and vegetables.....                                       | 2, 118  | 1, 326  | 2, 771  | 2, 438  | 1, 805  | 1, 140   | 903      | 1, 633   |
| Raisins and other dried fruits.....                                    | 4, 679  | 3, 182  | 5, 510  | 4, 180  | 945     | 2, 349   | 1, 605   | 2, 242   |
| Peanuts and other nuts.....                                            | -----   | -----   | 57      | 10      | 966     | -----    | -----    | 59       |
| Beans.....                                                             | 124     | 489     | 1, 365  | 312     | 84      | -----    | -----    | 14       |
| Wool and mohair.....                                                   | 664     | 2, 935  | 9, 088  | 6, 168  | 848     | 438      | 6, 564   | 327      |
| Other commodities.....                                                 | 70      | 125     | 387     | 2, 733  | 1, 344  | 956      | 475      | 1, 180   |
| Farm supplies <sup>2</sup> .....                                       | -----   | -----   | -----   | -----   | -----   | -----    | 1, 714   | 352      |
| Financing institutions.....                                            | 45, 103 | 50, 018 | 65, 633 | 74, 691 | 82, 518 | 134, 252 | 155, 347 | 143, 150 |
| Production credit associations.....                                    | -----   | -----   | -----   | -----   | -----   | 27       | 61, 024  | 96, 660  |
| Regional agricultural credit corporations.....                         | -----   | -----   | -----   | -----   | -----   | 73, 236  | 38, 651  | -----    |
| Other financing institutions.....                                      | 45, 103 | 50, 018 | 65, 633 | 74, 691 | 82, 518 | 80, 989  | 55, 673  | 46, 490  |

<sup>1</sup> Cooperative associations only prior to 1935.<sup>2</sup> Figures represent total loans outstanding for cooperative purchasing associations.

Source of tables 290 and 291: Farm Credit Administration.



# No. 292.—RECONSTRUCTION FINANCE CORPORATION: LOANS, SUBSCRIPTIONS, PURCHASES, AND ALLOCATIONS

[All figures in thousands of dollars]

|                                                                                                                                       | 1934           |           | 1935           |                     | Total, Feb. 2, 1932,<br>to Dec. 31, 1935 |                     | Out-<br>standing<br>Dec. 31,<br>1935 |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|----------------|---------------------|------------------------------------------|---------------------|--------------------------------------|
|                                                                                                                                       | Dis-<br>bursed | Repaid    | Dis-<br>bursed | Repaid <sup>1</sup> | Dis-<br>bursed                           | Repaid <sup>1</sup> |                                      |
| Grand total.....                                                                                                                      | 2,313,447      | 1,404,438 | 1,087,869      | 653,545             | 7,905,976                                | 3,120,504           | 4,785,472                            |
| Loans, subscriptions, and purchases.....                                                                                              | 1,827,826      | 1,404,438 | 707,562        | 653,545             | 5,836,643                                | 3,100,504           | 2,736,139                            |
| Loans under the R. F. C. Act <sup>2</sup> .....                                                                                       | 787,361        | 1,035,050 | 221,895        | 512,887             | 3,593,792                                | 2,593,256           | 1,011,638                            |
| Banks and trust companies.....                                                                                                        | 383,161        | 408,087   | 108,561        | 351,860             | 1,010,278                                | 1,638,072           | 381,208                              |
| Building and loan associations <sup>3</sup> .....                                                                                     | 1,922          | 48,241    | 1,469          | 14,028              | 116,441                                  | 109,082             | 7,369                                |
| Insurance companies.....                                                                                                              | 1,836          | 38,020    | 2              | 18,288              | 89,519                                   | 83,059              | 6,460                                |
| Mortgage-loan companies.....                                                                                                          | 73,426         | 91,506    | 23,071         | 54,025              | 310,961                                  | 182,746             | 128,215                              |
| Federal land banks.....                                                                                                               | 245,118        | 308,781   | 33,381         | 387,236             | 342,162                                  | 45,074              | 25,074                               |
| Joint-stock land banks.....                                                                                                           | 711            | 8,366     | 150            | 4,340               | 15,809                                   | 13,512              | 2,297                                |
| Federal intermediate credit banks.....                                                                                                | 350            | 1,170     | 27             | 130                 | 9,250                                    | 9,250               | 760                                  |
| Agricultural credit corporations.....                                                                                                 | 18,089         | 47,975    | 284            | 630                 | 173,244                                  | 173,244             | 987                                  |
| Regional agricultural credit corp's.....                                                                                              | 240            | 1,341     | 284            | 630                 | 13,102                                   | 12,115              | 987                                  |
| Livestock credit corporations.....                                                                                                    | 53,189         | 13,461    | 39,834         | 20,578              | 487,217                                  | 90,967              | 396,250                              |
| Railroads <sup>7</sup> .....                                                                                                          | 2,500          | 7,834     | 2,377          | 2,077               | 10,765                                   | 9,986               | 779                                  |
| State funds for insuring repay-<br>ment of public moneys.....                                                                         | 6,743          | 117       | 35,677         | 2,280               | 42,420                                   | 2,407               | 40,013                               |
| To industrial or commercial busi-<br>ness <sup>8</sup> .....                                                                          | 23             | 142       | 11,774         | 10,562              | 11,797                                   | 10,562              | 1,235                                |
| On assets of closed banks.....                                                                                                        | 34             | 142       | 569            | 80                  | 1,190                                    | 289                 | 901                                  |
| All other.....                                                                                                                        | 67,952         | 8,887     | 59,792         | 36,019              | 191,347                                  | 45,038              | 146,309                              |
| Other loans under various acts:                                                                                                       |                |           |                |                     |                                          |                     |                                      |
| Self-liquidating projects <sup>9</sup> .....                                                                                          | 13,056         | 4,776     | 25             | 1,174               | 20,226                                   | 6,198               | 14,027                               |
| Financing exports of agricultural<br>surpluses.....                                                                                   | 227,714        | 258,238   | 272,891        | 34,083              | 10,572,048                               | 10,296,288          | 275,760                              |
| Financing agricultural products.....                                                                                                  | 1,241          | 1,241     | 1,147          | 299,985             | 3,358                                    | 296,027             | 296,027                              |
| Relief and work relief.....                                                                                                           | 8,303          | 1,479     | 2,278          | 1,676               | 20,939                                   | 3,213               | 17,726                               |
| On preferred stock of banks.....                                                                                                      | 25,750         | 92        | 160            | 100                 | 30,275                                   | 192                 | 30,083                               |
| On preferred stock of insur. cos.....                                                                                                 |                |           |                |                     | 3,300                                    | 3,300               |                                      |
| To Secretary of Agriculture for<br>purchase of cotton.....                                                                            |                |           |                |                     | 3,300                                    | 3,300               |                                      |
| To drainage, levee, and irrigation<br>districts.....                                                                                  | 9,884          |           | 37,806         | 79                  | 50,104                                   | 79                  | 50,025                               |
| For acquisition of property de-<br>clared unsafe, or repair of prop-<br>erty damaged by flood, earth-<br>quake, etc., in 1933-36..... | 161            |           | 1,101          | 8                   | 1,262                                    | 8                   | 1,254                                |
| To borrowers engaged in the min-<br>ing, milling, or smelting of ores.....                                                            |                |           | 932            |                     | 932                                      |                     | 932                                  |
| To a public school authority <sup>11</sup> .....                                                                                      | 22,300         | 22,300    |                |                     | 22,300                                   | 22,300              |                                      |
| Subscriptions and purchases:                                                                                                          |                |           |                |                     |                                          |                     |                                      |
| Preferred stock of banks.....                                                                                                         | 456,908        | 7,030     | 85,839         | 29,449              | 679,835                                  | 36,566              | 643,269                              |
| Capital notes or debentures of<br>banks.....                                                                                          | 208,357        | 65,365    | 14,853         | 36,343              | 340,199                                  | 101,708             | 238,491                              |
| Preferred stock of an insur. co.....                                                                                                  | 100            |           | 10,000         |                     | 100                                      |                     | 100                                  |
| Stock of mortgage loan cos.....                                                                                                       |                |           | 10,000         |                     | 10,000                                   |                     | 10,000                               |
| Allocations.....                                                                                                                      | 990,521        |           | 360,107        |                     | 2,069,333                                | 20,000              | 2,049,333                            |
| For relief: Fed. Emerg. Rel. Act, 1933.....                                                                                           | 184,453        |           | 490            |                     | 499,988                                  |                     | 499,988                              |
| For direct relief and/or public<br>works: Emerg. App. Act, 1935.....                                                                  | 470,000        |           | 30,000         |                     | 500,000                                  |                     | 500,000                              |
| For direct relief: Emerg. Rel. App.<br>Act, 1935.....                                                                                 |                |           | 300,000        |                     | 300,000                                  |                     | 300,000                              |
| To other Government agencies.....                                                                                                     | 336,068        |           | 29,707         |                     | 769,345                                  | 20,000              | 749,345                              |
| To Secretary of the Treasury for:<br>Purchase of stock of:                                                                            |                |           |                |                     |                                          |                     |                                      |
| Federal Home loan banks.....                                                                                                          | 5,900          |           | 12,750         |                     | 94,306                                   |                     | 94,396                               |
| Home Owners' Loan Corp.....                                                                                                           | 181,000        |           |                |                     | 200,000                                  |                     | 200,000                              |
| Regional agricultural credit cor-<br>poration, for expenses.....                                                                      | 4,168          |           | 2,957          |                     | 13,349                                   |                     | 13,349                               |
| To Land Bank Commissioner.....                                                                                                        | 66,000         |           |                |                     | 147,600                                  |                     | 147,600                              |
| To Secretary of Agriculture:                                                                                                          |                |           |                |                     |                                          |                     |                                      |
| Crop loans.....                                                                                                                       |                |           |                |                     | 135,000                                  | 20,000              | 115,000                              |
| Reallocated as capital regional<br>agricultural credit corp's.....                                                                    |                |           |                |                     | 12 44,500                                |                     | 12 44,500                            |
| Reallocated to Governor of<br>Farm Credit Administration.....                                                                         |                |           |                |                     | 40,500                                   |                     | 40,500                               |
| To Fed. Farm Mort. Corp. <sup>12</sup> .....                                                                                          | 55,000         |           |                |                     | 55,000                                   |                     | 55,000                               |
| To Fed. Housing Administrator.....                                                                                                    | 25,000         |           | 14,000         |                     | 39,000                                   |                     | 39,000                               |

<sup>1</sup> Exclusive of repayments unallocated, pending advices, as of Dec. 31, 1935.<sup>2</sup> In addition, during 1934 and 1935, the Corporation purchased securities for \$293,948,410 from the Public Works Administration, \$139,947,388 of these securities were resold or retired at maturity.<sup>3</sup> As amended.<sup>4</sup> Including receivers, liquidating agents, and conservators.<sup>5</sup> Including \$193,618,000 representing refinancing of previous loans by the corporation to these banks.<sup>6</sup> Including receivers and trustees.<sup>7</sup> Including participations in loans.<sup>8</sup> Including repairs to buildings damaged by earthquake, fire, tornado, or cyclone in 1933.<sup>9</sup> Includes \$55,632,000 disbursed to the Commodity Credit Corporation, of which \$288,091,000 was repaid.<sup>10</sup> For payment of teachers' salaries.<sup>11</sup> Includes \$10,000,000 held in revolving fund.<sup>12</sup> For loans to farmers.

Source: Reconstruction Finance Corporation.

# No. 293.—GOVERNMENT CORPORATIONS AND CREDIT AGENCIES OF THE UNITED STATES: ASSETS AND LIABILITIES AS OF DEC. 31, 1935

[In millions and tenths of millions of dollars]

|                                                      | Grand total          | Financed wholly from Government funds |                                     |                                |                                   |                               |                                             |                                  |                                              |                                            |
|------------------------------------------------------|----------------------|---------------------------------------|-------------------------------------|--------------------------------|-----------------------------------|-------------------------------|---------------------------------------------|----------------------------------|----------------------------------------------|--------------------------------------------|
|                                                      |                      | Total                                 | Re-construction Finance Corporation | Com-mo-dity Credit Corporation | Ex-port-im-port banks             | Public Works Ad-minis-tration | Re-gional agri-cultural credit corporations | Pro-duction cred-it corporations | U. S. Ship-ping Board Mer-chant Fleet Corp'n | Other (includ-ing crop loans) <sup>1</sup> |
| Assets, total <sup>2</sup> .....                     | 11,688.7             | 3,563.7                               | 2,327.2                             | 278.7                          | 11.6                              | 177.4                         | 48.9                                        | 121.4                            | 173.3                                        | 425.2                                      |
| Loans.....                                           | 8,297.5              | 2,175.2                               | 1,401.0                             | 271.3                          | 4.2                               | 164.7                         | 43.4                                        | -----                            | 93.7                                         | 196.8                                      |
| Preferred stock, etc.....                            | 877.4                | 876.3                                 | 871.9                               | -----                          | -----                             | -----                         | -----                                       | -----                            | -----                                        | 3.4                                        |
| Cash.....                                            | 318.5                | 105.2                                 | <sup>3</sup> 11.8                   | .1                             | 7.3                               | -----                         | 3.4                                         | .3                               | 18.0                                         | 64.2                                       |
| Investments:                                         |                      |                                       |                                     |                                |                                   |                               |                                             |                                  |                                              |                                            |
| U. S. securities.....                                | 449.1                | 25.4                                  | -----                               | -----                          | -----                             | -----                         | -----                                       | 2.2                              | -----                                        | 23.2                                       |
| Obligations guaranteed by U. S.....                  | 214.7                | 20.1                                  | -----                               | -----                          | -----                             | -----                         | -----                                       | 20.1                             | -----                                        | -----                                      |
| Other investments.....                               | 880.9                | 121.4                                 | -----                               | -----                          | -----                             | -----                         | -----                                       | 98.1                             | 18.9                                         | 4.4                                        |
| Other assets.....                                    | 631.5                | 241.0                                 | <sup>4</sup> 42.6                   | 7.3                            | ( <sup>5</sup> )                  | 12.6                          | 2.1                                         | .6                               | 42.7                                         | 133.1                                      |
| Liabilities and reserves, total <sup>2</sup> .....   | 6,920.3              | 311.7                                 | 278.2                               | .1                             | .4                                | -----                         | 3.3                                         | .2                               | 13.1                                         | 16.4                                       |
| Bonds, notes, debentures:                            |                      |                                       |                                     |                                |                                   |                               |                                             |                                  |                                              |                                            |
| Guaranteed by U. S.....                              | 4,545.5              | 252.5                                 | 252.5                               | -----                          | -----                             | -----                         | -----                                       | -----                            | -----                                        | -----                                      |
| Other.....                                           | 2,089.2              | .1                                    | -----                               | -----                          | -----                             | -----                         | -----                                       | -----                            | -----                                        | .1                                         |
| Other liabilities.....                               | 285.0                | 59.2                                  | <sup>3</sup> 25.7                   | <sup>3</sup> 1                 | .4                                | -----                         | 3.3                                         | .2                               | 13.1                                         | 16.4                                       |
| Excess of assets over liabilities <sup>2</sup> ..... | 4,749.3              | 3,252.0                               | 2,049.0                             | 278.6                          | 11.2                              | 177.4                         | 45.6                                        | 121.2                            | 160.2                                        | 408.8                                      |
| Privately owned interests.....                       | 340.0                | -----                                 | -----                               | -----                          | -----                             | -----                         | -----                                       | -----                            | -----                                        | -----                                      |
| U. S. interests.....                                 | 4,409.3              | 3,252.0                               | 2,049.0                             | 278.6                          | 11.2                              | 177.4                         | 45.6                                        | 121.2                            | 160.2                                        | 408.8                                      |
| Distribution of U. S. interests:                     |                      |                                       |                                     |                                |                                   |                               |                                             |                                  |                                              |                                            |
| Capital stock.....                                   | 6,634.0              | 5,405.7                               | 500.0                               | 3.0                            | 11.3                              | <sup>6</sup> 203.5            | 34.5                                        | 120.0                            | 50.0                                         | <sup>6</sup> 4,483.5                       |
| Surplus.....                                         | 353.2                | 249.5                                 | <sup>3</sup> 115.9                  | 3.7                            | ( <sup>5</sup> ) ( <sup>9</sup> ) | -----                         | 11.1                                        | 1.2                              | 110.2                                        | 7.5                                        |
| Interagency interests, net.....                      | <sup>7</sup> 2,578.0 | <sup>7</sup> 2,498.2                  | 1,433.2                             | 271.9                          | -----                             | <sup>7</sup> 116.1            | -----                                       | -----                            | -----                                        | <sup>7</sup> 4,082.2                       |

|                                                      | Financed partly from Government funds and partly from private funds |                    |                                    |                                   |                         |                 |                                            |                                        |                                    |                                         |
|------------------------------------------------------|---------------------------------------------------------------------|--------------------|------------------------------------|-----------------------------------|-------------------------|-----------------|--------------------------------------------|----------------------------------------|------------------------------------|-----------------------------------------|
|                                                      | Totals <sup>8</sup>                                                 | Federal land banks | Federal inter-mediate credit banks | Federal Farm Mortgage Corporation | Banks for co-operatives | Home loan banks | Home Owners' Loan Corporation <sup>9</sup> | Fed. Savings and Loan Insurance Corp'n | Fed. Savings and loan associations | Federal De-pos-it Insurance Corporation |
| Assets, total <sup>2</sup> .....                     | 8,106.0                                                             | 2,401.0            | 231.7                              | 1,623.7                           | 149.8                   | 129.2           | 3,080.1                                    | 102.3                                  | 67.1                               | 341.1                                   |
| Loans.....                                           | 6,122.3                                                             | 2,128.9            | 145.9                              | 794.7                             | 50.0                    | 102.8           | 2,897.2                                    | -----                                  | -----                              | 2.8                                     |
| Preferred stock, etc.....                            | 2.1                                                                 | -----              | -----                              | -----                             | -----                   | -----           | 2.1                                        | -----                                  | -----                              | -----                                   |
| Cash.....                                            | 213.3                                                               | 38.7               | 9.6                                | 49.3                              | 12.5                    | 7.0             | 62.7                                       | .2                                     | -----                              | 33.2                                    |
| Investments:                                         |                                                                     |                    |                                    |                                   |                         |                 |                                            |                                        |                                    |                                         |
| U. S. securities.....                                | 423.7                                                               | 39.2               | 35.6                               | -----                             | 38.2                    | 8.0             | 5.7                                        | ( <sup>5</sup> )                       | -----                              | 296.9                                   |
| Obligations guaranteed by U. S.....                  | 194.6                                                               | 1.8                | 37.7                               | -----                             | 43.3                    | 10.6            | -----                                      | 101.2                                  | -----                              | -----                                   |
| Other investments.....                               | 759.5                                                               | .1                 | -----                              | 754.6                             | 4.8                     | -----           | -----                                      | -----                                  | -----                              | -----                                   |
| Other assets.....                                    | 390.5                                                               | 192.2              | 3.0                                | 25.0                              | .9                      | .8              | 92.4                                       | .8                                     | <sup>10</sup> 67.1                 | 8.1                                     |
| Liabilities and reserves, total <sup>2</sup> .....   | 6,808.6                                                             | 2,014.5            | 133.8                              | 1,418.9                           | .2                      | 8.0             | 3,011.3                                    | .4                                     | -----                              | 21.5                                    |
| Bonds, notes, debentures:                            |                                                                     |                    |                                    |                                   |                         |                 |                                            |                                        |                                    |                                         |
| Guaranteed by U. S.....                              | 4,203.1                                                             | -----              | -----                              | 1,387.3                           | -----                   | -----           | 2,905.8                                    | -----                                  | -----                              | -----                                   |
| Other.....                                           | 2,089.1                                                             | 1,938.3            | 131.0                              | -----                             | -----                   | -----           | 19.8                                       | -----                                  | -----                              | -----                                   |
| Other liabilities.....                               | 226.4                                                               | 76.2               | <sup>3</sup> 2.8                   | <sup>3</sup> 31.6                 | .2                      | 8.0             | 85.6                                       | .4                                     | -----                              | 21.5                                    |
| Excess of assets over liabilities <sup>2</sup> ..... | 1,497.4                                                             | 386.4              | 97.9                               | 204.8                             | 149.6                   | 121.3           | 48.8                                       | 101.9                                  | 67.1                               | 319.6                                   |
| Privately owned interests.....                       | 340.0                                                               | 140.8              | -----                              | -----                             | 2.6                     | 27.1            | -----                                      | -----                                  | <sup>11</sup> 169.6                | -----                                   |
| U. S. interests.....                                 | 1,157.3                                                             | 245.6              | 97.9                               | 204.8                             | 147.0                   | 94.2            | 48.8                                       | 101.9                                  | 67.1                               | 160.0                                   |
| Distribution of U. S. interests:                     |                                                                     |                    |                                    |                                   |                         |                 |                                            |                                        |                                    |                                         |
| Capital stock.....                                   | 1,138.4                                                             | 123.1              | 70.0                               | 200.0                             | 134.0                   | 94.2            | 200.0                                      | 100.0                                  | 67.1                               | 150.0                                   |
| Surplus.....                                         | 103.7                                                               | 94.3               | 36.0                               | -----                             | 4.9                     | -----           | <sup>8</sup> 83.4                          | 1.9                                    | -----                              | -----                                   |
| Interagency interests, net.....                      | <sup>7</sup> 84.7                                                   | 28.2               | <sup>7</sup> 8.1                   | 4.8                               | 8.1                     | -----           | <sup>7</sup> 117.8                         | -----                                  | -----                              | -----                                   |

<sup>1</sup> Includes interagency interest held by the United States Treasury.<sup>2</sup> Exclusive of interagency assets and liabilities except bond investments.<sup>3</sup> Adjusted for interagency items and items in transit. <sup>4</sup> Less than \$50,000.<sup>5</sup> Nonstock or includes nonstock proprietary interest.<sup>6</sup> Deficit.<sup>7</sup> Excess of interagency assets, deduct. <sup>8</sup> Includes War Finance Corporation not shown separately.<sup>9</sup> Preliminary. The figure for bonds, etc., includes unissued bonds covering loans in process.<sup>10</sup> Not stock not classified. Includes the amount of capital stock subscribed by the United States; also \$17,767,000 subscribed by the Home Owners' Loan Corporation.<sup>11</sup> Includes assessments paid in by member banks and trust companies to the amount of \$30,278,000.

Source: Treasury Department, compiled from reports received from the organizations concerned.

## No. 294.—CLEARING-HOUSE EXCHANGES: SUMMARY FOR UNITED STATES

NOTE.—Prior to 1920 data are for all cities reporting to the New York Clearing House Association and cover years ended Sept. 30; commencing 1920 they are for 150 identical cities and relate to calendar years. The comparability of these figures is affected (1) by changes in the number of cities reporting, and (2) by the tendency toward consolidation of banks, eliminating former clearings between two or more banks. Debits to individual account (Tables 295 and 296) are a more significant measure of volume of payment. The divisions shown in this table, with the exception of the New England, differ from the geographical divisions shown in most tables in the Abstract. The Eastern division includes the States comprising the Middle Atlantic division in other tables (see for example table 260) and Delaware, Maryland, and District of Columbia of the South Atlantic division; the Southern includes the other six South Atlantic States, the East South Central and the West South Central States with the exception of Oklahoma; the Middle Western includes the East North Central States, Minnesota, Iowa, and Missouri; the Western, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Montana, Wyoming, and Colorado; the Pacific, Washington, Oregon, California, Idaho, Utah, Nevada, and Arizona.

[All figures in millions of dollars]

| Year ended Sept.<br>30— | United<br>States | Outside<br>New<br>York<br>City | New York<br>City | Year ended Sept.<br>30— | United<br>States | Outside<br>New<br>York<br>City | New<br>York<br>City |
|-------------------------|------------------|--------------------------------|------------------|-------------------------|------------------|--------------------------------|---------------------|
| 1882.....               | 61,054           | 14,501                         | 46,553           | 1892.....               | 60,884           | 24,604                         | 36,280              |
| 1883.....               | 53,536           | 13,243                         | 40,293           | 1893.....               | 58,881           | 24,400                         | 34,421              |
| 1884.....               | 47,887           | 13,295                         | 34,092           | 1894.....               | 45,028           | 20,798                         | 24,230              |
| 1885.....               | 37,770           | 12,519                         | 25,251           | 1895.....               | 50,975           | 22,711                         | 28,264              |
| 1886.....               | 48,212           | 14,537                         | 33,375           | 1896.....               | 51,036           | 22,586                         | 29,351              |
| 1887.....               | 52,127           | 17,254                         | 34,873           | 1897.....               | 54,180           | 22,842                         | 31,338              |
| 1888.....               | 48,761           | 17,887                         | 30,804           | 1898.....               | 65,925           | 26,072                         | 39,853              |
| 1889.....               | 53,601           | 18,705                         | 34,796           | 1899.....               | 88,829           | 31,461                         | 57,368              |
| 1890.....               | 59,882           | 22,221                         | 37,661           | 1900.....               | 84,582           | 32,018                         | 51,965              |
| 1891.....               | 57,181           | 23,127                         | 34,054           | 1901.....               | 114,820          | 37,799                         | 77,021              |

  

| Year <sup>1</sup>       | United States |                                | New<br>England<br>division | Eastern division |                     | Southern<br>division | Middle<br>Western<br>division | Western<br>division | Pacific<br>division |
|-------------------------|---------------|--------------------------------|----------------------------|------------------|---------------------|----------------------|-------------------------------|---------------------|---------------------|
|                         | Total         | Outside<br>New<br>York<br>City |                            | Total            | New<br>York<br>City |                      |                               |                     |                     |
| 1902.....               | 115,892       | 41,139                         | 7,861                      | 84,802           | 74,753              | 2,899                | 17,262                        | 793                 | 2,185               |
| 1903.....               | 113,963       | 43,130                         | 7,796                      | 81,633           | 70,534              | 3,268                | 17,979                        | 838                 | 2,551               |
| 1904.....               | 102,356       | 42,684                         | 7,331                      | 69,597           | 69,673              | 3,995                | 18,376                        | 830                 | 2,618               |
| 1905.....               | 140,502       | 48,623                         | 8,467                      | 103,765          | 91,879              | 4,018                | 20,097                        | 904                 | 3,194               |
| 1906.....               | 157,681       | 53,927                         | 9,245                      | 117,034          | 103,764             | 4,606                | 21,877                        | 1,110               | 3,810               |
| 1907.....               | 154,477       | 59,161                         | 9,712                      | 108,602          | 95,315              | 5,113                | 24,746                        | 1,384               | 4,860               |
| 1908.....               | 126,239       | 52,908                         | 8,115                      | 86,344           | 73,631              | 4,485                | 23,145                        | 1,382               | 3,768               |
| 1909.....               | 158,877       | 59,620                         | 9,372                      | 111,501          | 99,258              | 5,108                | 26,682                        | 1,700               | 4,514               |
| 1910.....               | 168,987       | 66,433                         | 9,707                      | 116,778          | 102,554             | 5,951                | 29,148                        | 1,980               | 5,422               |
| 1911.....               | 159,840       | 67,119                         | 9,616                      | 106,744          | 92,420              | 6,528                | 29,062                        | 1,938               | 5,554               |
| 1912.....               | 168,986       | 72,014                         | 10,278                     | 111,672          | 96,672              | 7,446                | 30,910                        | 2,043               | 6,338               |
| 1913.....               | 173,193       | 75,071                         | 9,807                      | 114,480          | 98,122              | 6,750                | 33,338                        | 2,221               | 6,647               |
| 1914.....               | 163,850       | 74,089                         | 9,400                      | 105,474          | 89,760              | 6,774                | 33,507                        | 2,278               | 6,367               |
| 1915.....               | 163,189       | 72,347                         | 9,022                      | 105,793          | 90,843              | 6,411                | 33,442                        | 2,410               | 6,112               |
| 1916.....               | 242,236       | 95,055                         | 12,211                     | 167,897          | 147,181             | 8,830                | 42,671                        | 3,248               | 7,379               |
| 1917.....               | 306,962       | 123,528                        | 14,433                     | 208,061          | 181,534             | 11,771               | 56,149                        | 4,485               | 10,163              |
| 1918.....               | 320,989       | 146,464                        | 10,975                     | 205,810          | 174,524             | 15,577               | 63,621                        | 6,599               | 12,406              |
| 1919.....               | 387,864       | 173,151                        | 19,237                     | 252,255          | 214,703             | 20,707               | 72,369                        | 7,695               | 15,594              |
| 1920 <sup>2</sup> ..... | 469,521       | 211,188                        | 22,878                     | 297,491          | 252,508             | 27,452               | 86,237                        | 9,475               | 20,488              |
| 1920.....               | 440,260       | 197,125                        | 21,598                     | 288,630          | 243,135             | 21,830               | 80,497                        | 8,154               | 19,250              |
| 1921.....               | 350,144       | 155,813                        | 16,025                     | 232,283          | 194,331             | 16,380               | 62,654                        | 5,060               | 16,551              |
| 1922.....               | 385,393       | 167,432                        | 18,933                     | 258,537          | 217,900             | 17,035               | 65,832                        | 5,691               | 18,465              |
| 1923.....               | 404,985       | 190,991                        | 22,083                     | 290,257          | 213,996             | 20,640               | 73,740                        | 6,096               | 22,202              |
| 1924.....               | 446,230       | 198,417                        | 24,173                     | 293,625          | 249,868             | 22,068               | 74,068                        | 5,615               | 22,837              |
| 1925.....               | 500,924       | 217,304                        | 25,605                     | 336,660          | 283,619             | 25,014               | 82,273                        | 6,062               | 25,241              |
| 1926.....               | 513,121       | 222,766                        | 25,829                     | 344,380          | 290,355             | 24,338               | 82,068                        | 5,162               | 26,903              |
| 1927.....               | 544,926       | 223,691                        | 29,769                     | 374,814          | 321,234             | 23,118               | 83,956                        | 6,177               | 27,592              |
| 1928.....               | 623,868       | 232,140                        | 29,312                     | 445,938          | 391,727             | 22,569               | 88,603                        | 6,684               | 30,782              |
| 1929.....               | 716,228       | 238,985                        | 31,559                     | 535,876          | 477,242             | 22,939               | 89,492                        | 6,758               | 29,805              |
| 1930.....               | 544,988       | 197,875                        | 20,083                     | 396,720          | 347,110             | 10,005               | 71,564                        | 5,977               | 25,638              |
| 1931.....               | 412,241       | 148,970                        | 20,683                     | 301,143          | 263,270             | 14,552               | 51,688                        | 4,026               | 19,379              |
| 1932.....               | 258,912       | 98,773                         | 12,337                     | 185,991          | 160,138             | 10,787               | 32,388                        | 3,198               | 13,609              |
| 1933.....               | 244,095       | 86,581                         | 10,933                     | 180,413          | 157,414             | 10,339               | 27,458                        | 2,758               | 12,194              |
| 1934.....               | 264,554       | 103,047                        | 11,464                     | 188,304          | 161,507             | 12,948               | 33,800                        | 3,513               | 14,524              |
| 1935.....               | 301,325       | 119,774                        | 12,496                     | 212,699          | 181,551             | 14,699               | 39,851                        | 4,075               | 17,505              |

<sup>1</sup> Years ended Sept. 30 prior to 1920; calendar years thereafter.<sup>2</sup> For comparison with data for earlier years, figures for 1920 in italics have been compiled to cover the same cities as were included in the 1919 figures and to cover the year ended Sept. 30. See also heading.

Sources: 1882 to 1919 and 1920 figures in italics, Annual Report of the Comptroller of the Currency, Treasury Department; other figures, Commercial and Financial Chronicle, except that exchanges for Los Angeles, 1930 to 1935, were furnished by the Los Angeles Clearing House Association.

# No. 295.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS IN 141 PRINCIPAL CITIES, BY DISTRICTS AND BY MONTHS

NOTE.—All figures in millions of dollars. Figures represent debits or charges on the books of reporting member and nonmember banks to deposit accounts of individuals, firms, and corporations, and of the United States, State, county, and municipal governments, including debits to savings accounts, payments from trust accounts, and certificates of deposit paid. Figures do not include debits to the accounts of other banks or in settlement of clearing-house balances, payment of cashiers' checks, charges to expense and miscellaneous accounts, corrections, and similar charges

| Year                  | Total   | Total, excl. New York City | New York City | Boston district (11 cities) | New York district (7 cities) |                | Philadelphia district (10 cities) | Cleveland district (13 cities) | Richmond district (7 cities) |
|-----------------------|---------|----------------------------|---------------|-----------------------------|------------------------------|----------------|-----------------------------------|--------------------------------|------------------------------|
|                       |         |                            |               |                             | Total                        | Excl. New York |                                   |                                |                              |
| 1910.....             | 465,294 | 211,176                    | 244,119       | 25,898                      | 250,880                      | 6,761          | 19,498                            | 23,559                         | 8,611                        |
| 1920.....             | 483,026 | 241,696                    | 241,430       | 28,137                      | 249,375                      | 7,945          | 22,092                            | 27,677                         | 9,635                        |
| 1921.....             | 399,036 | 191,941                    | 207,095       | 21,736                      | 213,911                      | 5,816          | 18,690                            | 21,105                         | 8,235                        |
| 1922.....             | 469,364 | 199,609                    | 239,855       | 22,392                      | 247,067                      | 7,212          | 19,985                            | 22,290                         | 7,718                        |
| 1923.....             | 463,726 | 226,330                    | 238,396       | 24,851                      | 246,493                      | 8,097          | 22,301                            | 26,140                         | 8,501                        |
| 1924.....             | 491,691 | 228,161                    | 263,530       | 25,675                      | 271,561                      | 8,231          | 22,773                            | 25,775                         | 8,298                        |
| 1925.....             | 570,064 | 256,690                    | 313,374       | 29,014                      | 322,843                      | 9,469          | 25,253                            | 28,726                         | 9,193                        |
| 1926.....             | 607,956 | 268,901                    | 339,055       | 31,033                      | 348,833                      | 9,778          | 28,245                            | 30,022                         | 9,336                        |
| 1927.....             | 673,861 | 282,303                    | 391,558       | 33,566                      | 401,819                      | 10,290         | 27,391                            | 32,180                         | 9,231                        |
| 1928.....             | 806,405 | 306,193                    | 500,211       | 34,228                      | 511,584                      | 11,374         | 30,463                            | 33,317                         | 9,085                        |
| 1929.....             | 935,027 | 331,938                    | 603,089       | 37,472                      | 616,060                      | 12,872         | 33,440                            | 36,025                         | 9,379                        |
| 1930.....             | 961,957 | 277,317                    | 684,639       | 30,221                      | 395,354                      | 10,714         | 28,690                            | 31,256                         | 8,895                        |
| 1931.....             | 981,357 | 271,623                    | 709,734       | 24,153                      | 727,133                      | 8,349          | 21,662                            | 24,079                         | 7,661                        |
| 1932.....             | 322,366 | 154,401                    | 187,964       | 17,727                      | 174,577                      | 6,813          | 14,311                            | 15,427                         | 5,994                        |
| 1933 (11 months)..... | 282,706 | 134,257                    | 148,449       | 15,556                      | 154,108                      | 5,659          | 12,970                            | 13,011                         | 4,832                        |
| 1934.....             | 331,937 | 166,089                    | 165,948       | 18,365                      | 172,647                      | 6,669          | 15,794                            | 16,475                         | 6,341                        |
| 1935.....             | 374,170 | 190,165                    | 184,006       | 20,497                      | 191,396                      | 7,390          | 17,807                            | 19,028                         | 6,988                        |

| Year                  | Atlanta district (15 cities) | Chicago district (21 cities) |                 |               | St. Louis district (5 cities) | Minneapolis district (9 cities) | Kansas City district (15 cities) | Dallas district (10 cities) | San Francisco district (18 cities) |
|-----------------------|------------------------------|------------------------------|-----------------|---------------|-------------------------------|---------------------------------|----------------------------------|-----------------------------|------------------------------------|
|                       |                              | Total                        | City of Chicago | Excl. Chicago |                               |                                 |                                  |                             |                                    |
| 1919.....             | 11,139                       | 50,609                       | 33,595          | 17,074        | 12,920                        | 8,240                           | 14,814                           | 6,165                       | 22,903                             |
| 1920.....             | 12,812                       | 59,066                       | 37,954          | 21,112        | 13,542                        | 8,902                           | 16,322                           | 7,240                       | 28,226                             |
| 1921.....             | 9,383                        | 46,837                       | 30,832          | 16,005        | 10,401                        | 6,788                           | 12,207                           | 5,807                       | 23,937                             |
| 1922.....             | 9,579                        | 49,304                       | 32,331          | 16,973        | 10,939                        | 8,971                           | 12,550                           | 6,010                       | 24,562                             |
| 1923.....             | 11,137                       | 55,367                       | 35,279          | 20,088        | 12,794                        | 7,495                           | 13,494                           | 6,217                       | 28,936                             |
| 1924.....             | 11,721                       | 56,995                       | 35,723          | 20,272        | 12,812                        | 8,240                           | 12,778                           | 6,227                       | 29,535                             |
| 1925.....             | 13,913                       | 63,575                       | 40,470          | 23,105        | 14,385                        | 9,039                           | 14,193                           | 7,197                       | 32,731                             |
| 1926.....             | 14,264                       | 67,217                       | 42,839          | 24,378        | 14,741                        | 8,301                           | 14,824                           | 7,474                       | 35,063                             |
| 1927.....             | 13,790                       | 70,195                       | 45,970          | 24,225        | 14,750                        | 8,699                           | 15,088                           | 7,782                       | 39,470                             |
| 1928.....             | 13,707                       | 79,062                       | 51,162          | 27,900        | 15,495                        | 9,297                           | 16,082                           | 8,415                       | 46,670                             |
| 1929.....             | 14,267                       | 88,910                       | 58,739          | 30,171        | 15,651                        | 10,139                          | 17,818                           | 9,196                       | 46,873                             |
| 1930.....             | 11,923                       | 72,434                       | 47,094          | 25,340        | 13,081                        | 8,662                           | 15,770                           | 7,796                       | 39,924                             |
| 1931.....             | 9,919                        | 55,257                       | 35,065          | 20,192        | 10,464                        | 6,710                           | 11,930                           | 6,084                       | 31,255                             |
| 1932.....             | 7,350                        | 38,043                       | 28,823          | 14,220        | 7,832                         | 5,038                           | 8,644                            | 4,666                       | 22,256                             |
| 1933 (11 months)..... | 6,445                        | 32,129                       | 21,939          | 10,190        | 6,987                         | 5,079                           | 7,875                            | 4,339                       | 19,356                             |
| 1934.....             | 8,004                        | 41,252                       | 26,326          | 14,926        | 8,491                         | 5,751                           | 9,771                            | 5,550                       | 23,495                             |
| 1935.....             | 8,536                        | 49,644                       | 31,111          | 18,533        | 9,667                         | 6,471                           | 10,911                           | 6,356                       | 26,872                             |

| Year                 | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| All districts:       |        |        |        |        |        |        |        |        |        |        |        |        |
| 1930.....            | 60,423 | 52,625 | 65,723 | 62,946 | 61,811 | 62,312 | 52,744 | 45,993 | 48,636 | 54,460 | 42,176 | 52,107 |
| 1931.....            | 46,253 | 38,031 | 47,011 | 46,440 | 43,930 | 45,299 | 39,451 | 34,027 | 36,700 | 38,802 | 29,069 | 35,345 |
| 1932.....            | 33,569 | 27,251 | 29,889 | 29,923 | 26,411 | 27,103 | 25,239 | 25,215 | 25,931 | 25,296 | 20,750 | 26,787 |
| 1933.....            | 24,466 | 22,437 | (1)    | 22,628 | 25,486 | 29,711 | 31,232 | 25,452 | 24,555 | 26,307 | 24,181 | 26,301 |
| 1934.....            | 27,221 | 25,015 | 29,685 | 31,231 | 28,757 | 30,142 | 27,752 | 25,706 | 24,099 | 26,750 | 24,752 | 30,915 |
| 1935.....            | 29,980 | 26,659 | 31,649 | 31,650 | 30,108 | 31,475 | 33,287 | 30,268 | 29,030 | 32,577 | 32,227 | 36,360 |
| Excl. New York City: |        |        |        |        |        |        |        |        |        |        |        |        |
| 1930.....            | 25,691 | 21,508 | 24,983 | 24,815 | 24,388 | 24,621 | 23,145 | 20,941 | 21,253 | 23,679 | 19,688 | 23,107 |
| 1931.....            | 21,697 | 17,084 | 19,421 | 19,620 | 18,858 | 19,406 | 18,444 | 16,526 | 16,827 | 18,125 | 14,605 | 17,112 |
| 1932.....            | 15,893 | 12,870 | 13,729 | 14,306 | 12,498 | 12,901 | 12,611 | 11,756 | 11,767 | 12,554 | 10,935 | 12,820 |
| 1933.....            | 12,053 | 10,401 | (1)    | 10,616 | 11,609 | 12,969 | 13,878 | 12,376 | 12,115 | 12,027 | 11,927 | 13,287 |
| 1934.....            | 13,198 | 11,784 | 14,077 | 14,273 | 14,105 | 14,754 | 13,910 | 13,421 | 12,858 | 14,465 | 13,409 | 15,700 |
| 1935.....            | 14,983 | 13,110 | 15,754 | 15,645 | 15,557 | 15,808 | 16,550 | 15,636 | 15,016 | 16,844 | 16,685 | 18,676 |
| New York City:       |        |        |        |        |        |        |        |        |        |        |        |        |
| 1930.....            | 34,732 | 31,117 | 40,740 | 38,631 | 37,423 | 37,690 | 29,600 | 25,052 | 27,383 | 30,781 | 22,490 | 29,001 |
| 1931.....            | 24,557 | 20,948 | 27,589 | 26,821 | 25,072 | 25,893 | 21,007 | 17,501 | 20,073 | 20,678 | 14,404 | 19,233 |
| 1932.....            | 17,676 | 14,881 | 16,160 | 15,568 | 12,913 | 14,202 | 12,728 | 13,458 | 14,168 | 12,944 | 9,815  | 13,967 |
| 1933.....            | 12,413 | 12,037 | (1)    | 12,012 | 13,977 | 16,743 | 17,354 | 13,076 | 12,340 | 13,280 | 12,204 | 13,013 |
| 1934.....            | 14,023 | 13,231 | 15,608 | 16,953 | 14,652 | 15,388 | 13,842 | 12,085 | 11,121 | 12,285 | 11,343 | 15,215 |
| 1935.....            | 14,997 | 12,549 | 15,895 | 15,905 | 14,651 | 15,667 | 16,737 | 14,732 | 14,014 | 15,733 | 15,542 | 17,684 |

1 Figures for March not available.

Source: Board of Governors of the Federal Reserve System.

# No. 296.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS IN 141 PRINCIPAL CITIES

NOTE.—All figures in millions of dollars. For totals by districts see table 295

| District and city              | 1927    | 1928    | 1929    | 1930    | 1931    | 1932    | 1933 <sup>1</sup> | 1934    | 1935    |
|--------------------------------|---------|---------|---------|---------|---------|---------|-------------------|---------|---------|
| <b>Boston district:</b>        |         |         |         |         |         |         |                   |         |         |
| Bangor, Me.                    | 185     | 188     | 199     | 190     | 157     | 116     | 114               | 146     | 164     |
| Boston, Mass.                  | 25,240  | 25,285  | 27,540  | 22,074  | 17,340  | 12,603  | 11,128            | 13,200  | 14,762  |
| Fall River, Mass.              | 276     | 271     | 354     | 277     | 234     | 180     | 182               | 182     | 188     |
| Hartford, Conn.                | 2,236   | 2,508   | 3,084   | 2,466   | 2,110   | 1,698   | 1,454             | 1,677   | 2,000   |
| Holyoke, Mass.                 | 243     | 217     | 190     | 170     | 142     | 110     | 94                | 101     | 109     |
| Lowell, Mass.                  | 243     | 239     | 254     | 223     | 196     | 145     | 130               | 142     | 157     |
| New Bedford, Mass.             | 1,384   | 1,322   | 1,378   | 1,207   | 1,036   | 843     | 149               | 175     | 213     |
| New Haven, Conn.               | 1,289   | 1,403   | 1,503   | 1,355   | 1,159   | 843     | 624               | 709     | 748     |
| Providence, R. I.              | 1,958   | 2,176   | 2,374   | 1,882   | 1,514   | 1,185   | 1,059             | 1,197   | 1,350   |
| Waterbury, Conn.               | 489     | 549     | 600     | 439     | 351     | 254     | 234               | 290     | 310     |
| Worcester, Mass.               | 943     | 928     | 995     | 845     | 707     | 540     | 417               | 456     | 497     |
| <b>New York district:</b>      |         |         |         |         |         |         |                   |         |         |
| Albany, N. Y.                  | 1,758   | 1,853   | 2,172   | 2,213   | 1,684   | 1,784   | 1,589             | 2,025   | 2,334   |
| Binghamton, N. Y.              | 279     | 299     | 330     | 285     | 233     | 189     | 159               | 159     | 214     |
| Buffalo, N. Y.                 | 4,437   | 5,226   | 6,283   | 4,736   | 3,532   | 2,454   | 2,069             | 2,420   | 2,629   |
| New York, N. Y.                | 391,668 | 500,211 | 603,089 | 384,639 | 263,534 | 167,964 | 148,449           | 165,948 | 184,006 |
| Passaic, N. J.                 | 547     | 579     | 562     | 493     | 432     | 293     | 173               | 215     | 264     |
| Rochester, N. Y.               | 2,194   | 2,370   | 2,370   | 1,907   | 1,677   | 1,228   | 1,056             | 1,140   | 1,179   |
| Syracuse, N. Y.                | 1,046   | 1,144   | 1,255   | 1,031   | 890     | 686     | 637               | 711     | 770     |
| <b>Philadelphia district:</b>  |         |         |         |         |         |         |                   |         |         |
| Altoona, Pa.                   | 207     | 207     | 211     | 192     | 146     | 112     | 82                | 97      | 102     |
| Chester, Pa.                   | 275     | 316     | 325     | 294     | 229     | 158     | 119               | 116     | 131     |
| Lancaster, Pa.                 | 351     | 366     | 433     | 397     | 316     | 203     | 146               | 180     | 216     |
| Philadelphia, Pa. <sup>2</sup> | 22,840  | 25,678  | 28,253  | 22,254  | 17,840  | 11,907  | 10,465            | 13,050  | 14,741  |
| Scranton, Pa.                  | 923     | 931     | 922     | 790     | 700     | 605     | 457               | 520     | 531     |
| Trenton, N. J.                 | 905     | 968     | 1,038   | 908     | 724     | 703     | 584               | 736     | 812     |
| Wilkes-Barre, Pa.              | 587     | 611     | 570     | 468     | 410     | 328     | 256               | 272     | 267     |
| Williamsport, Pa.              | 240     | 253     | 272     | 211     | 171     | 114     | 73                | 90      | 103     |
| Wilmington, Del.               | 670     | 807     | 1,099   | 885     | 684     | 501     | 454               | 575     | 700     |
| York, Pa.                      | 283     | 298     | 317     | 290     | 241     | 180     | 154               | 179     | 204     |
| <b>Cleveland district:</b>     |         |         |         |         |         |         |                   |         |         |
| Akron, Ohio.                   | 1,218   | 1,343   | 1,442   | 1,170   | 942     | 584     | 382               | 538     | 611     |
| Cleveland, Ohio.               | 9,793   | 10,188  | 11,439  | 9,882   | 7,822   | 4,880   | 3,842             | 4,738   | 5,614   |
| Columbus, Ohio.                | 2,017   | 2,063   | 2,319   | 2,205   | 1,788   | 1,141   | 996               | 1,451   | 1,850   |
| Dayton, Ohio.                  | 1,132   | 1,186   | 1,299   | 1,086   | 864     | 523     | 403               | 489     | 589     |
| Erie, Pa.                      | 435     | 454     | 497     | 437     | 375     | 246     | 182               | 223     | 257     |
| Greensburg, Pa.                | 270     | 250     | 255     | 236     | 100     | 63      | 42                | 60      | 65      |
| Lexington, Ky.                 | 299     | 297     | 340     | 298     | 235     | 187     | 161               | 208     | 238     |
| Oil City, Pa.                  | 186     | 212     | 235     | 198     | 147     | 106     | 66                | 80      | 106     |
| Pittsburgh, Pa.                | 12,278  | 12,190  | 13,615  | 11,037  | 9,101   | 6,027   | 5,478             | 6,800   | 7,604   |
| Springfield, Ohio.             | 287     | 281     | 299     | 271     | 209     | 133     | 111               | 144     | 168     |
| Toledo, Ohio.                  | 2,857   | 3,354   | 2,789   | 2,180   | 1,492   | 893     | 792               | 1,024   | 1,129   |
| Wheeling, W. Va.               | 590     | 626     | 627     | 523     | 440     | 319     | 292               | 324     | 342     |
| Youngstown, Ohio.              | 854     | 893     | 985     | 812     | 563     | 314     | 285               | 337     | 455     |
| <b>Richmond district:</b>      |         |         |         |         |         |         |                   |         |         |
| Baltimore, Md.                 | 5,052   | 4,942   | 5,217   | 5,166   | 4,413   | 3,384   | 2,454             | 3,137   | 3,427   |
| Charlotte, N. C.               | 659     | 690     | 713     | 582     | 500     | 407     | 404               | 541     | 613     |
| Columbia, S. C.                | 281     | 292     | 290     | 303     | 261     | 199     | 139               | 208     | 296     |
| Greenville, S. C. <sup>3</sup> | 333     | 285     | 272     | 219     | 181     | 124     | 128               | 161     | 180     |
| Norfolk, Va.                   | 898     | 869     | 804     | 682     | 566     | 425     | 371               | 505     | 540     |
| Raleigh, N. C.                 | 207     | 297     | 300     | 238     | 259     | 180     | 170               | 288     | 317     |
| Richmond, Va.                  | 1,711   | 1,720   | 1,773   | 1,658   | 1,480   | 1,305   | 1,185             | 1,499   | 1,614   |
| <b>Atlanta district:</b>       |         |         |         |         |         |         |                   |         |         |
| Atlanta, Ga.                   | 1,886   | 2,026   | 2,553   | 1,917   | 1,625   | 1,283   | 1,200             | 1,560   | 1,726   |
| Augusta, Ga.                   | 331     | 331     | 329     | 258     | 207     | 154     | 151               | 197     | 202     |
| Birmingham, Ala.               | 1,794   | 1,806   | 1,785   | 1,475   | 1,158   | 739     | 635               | 817     | 752     |
| Chattanooga, Tenn.             | 587     | 594     | 632     | 571     | 455     | 320     | 275               | 329     | 393     |
| Jacksonville, Fla.             | 1,047   | 908     | 908     | 834     | 684     | 513     | 477               | 613     | 702     |
| Knoxville, Tenn.               | 423     | 441     | 435     | 372     | 307     | 247     | 167               | 221     | 237     |
| Macon, Ga.                     | 270     | 272     | 245     | 203     | 155     | 113     | 106               | 131     | 145     |
| Mobile, Ala.                   | 483     | 482     | 496     | 443     | 350     | 272     | 234               | 281     | 306     |
| Montgomery, Ala.               | 314     | 333     | 344     | 286     | 205     | 153     | 157               | 235     | 259     |
| Nashville, Tenn.               | 1,090   | 1,220   | 1,326   | 1,087   | 826     | 640     | 583               | 743     | 863     |
| New Orleans, La.               | 4,189   | 4,109   | 4,095   | 3,531   | 3,162   | 2,307   | 1,920             | 2,202   | 2,198   |
| Pensacola, Fla.                | 96      | 92      | 90      | 80      | 70      | 52      | 51                | 69      | 80      |
| Savannah, Ga.                  | 610     | 534     | 522     | 442     | 362     | 286     | 252               | 294     | 313     |
| Tampa, Fla.                    | 579     | 468     | 416     | 354     | 298     | 226     | 187               | 252     | 267     |
| Vicksburg, Miss.               | 92      | 95      | 91      | 70      | 54      | 45      | 49                | 61      | 72      |
| <b>Chicago district:</b>       |         |         |         |         |         |         |                   |         |         |
| Bay City, Mich.                | 157     | 153     | 166     | 139     | 113     | 74      | 54                | 92      | 102     |
| Bloomington, Ill.              | 157     | 172     | 192     | 173     | 143     | 97      | 75                | 97      | 116     |
| Cedar Rapids, Iowa.            | 499     | 546     | 573     | 549     | 498     | 339     | 178               | 230     | 267     |
| Chicago, Ill.                  | 45,970  | 51,162  | 53,739  | 47,094  | 35,095  | 23,823  | 21,999            | 26,328  | 31,111  |
| Davenport, Iowa.               | 432     | 510     | 564     | 566     | 455     | 265     | 140               | 177     | 210     |
| Decatur, Ill.                  | 248     | 250     | 258     | 234     | 177     | 121     | 104               | 134     | 163     |
| Des Moines, Iowa.              | 986     | 907     | 1,022   | 980     | 867     | 698     | 611               | 851     | 1,103   |
| Detroit, Mich.                 | 10,225  | 13,427  | 14,759  | 11,693  | 9,051   | 6,255   | 3,807             | 6,621   | 8,733   |
| Dubuque, Iowa.                 | 195     | 202     | 190     | 179     | 137     | 86      | 63                | 81      | 100     |
| Flint, Mich.                   | 524     | 605     | 632     | 446     | 360     | 251     | 151               | 216     | 295     |

For footnotes see p. 271.

No. 296.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS  
IN 141 PRINCIPAL CITIES—Continued

| District and city                  | 1927   | 1928   | 1929   | 1930   | 1931   | 1932  | 1933 <sup>1</sup> | 1934  | 1935  |
|------------------------------------|--------|--------|--------|--------|--------|-------|-------------------|-------|-------|
| <b>Chicago district—Continued.</b> |        |        |        |        |        |       |                   |       |       |
| Fort Wayne, Ind.                   | 516    | 560    | 637    | 554    | 434    | 283   | 216               | 272   | 323   |
| Grand Rapids, Mich.                | 995    | 1,052  | 1,107  | 881    | 754    | 538   | 330               | 429   | 508   |
| Indianapolis, Ind.                 | 2,223  | 2,279  | 2,503  | 2,165  | 1,885  | 1,462 | 1,226             | 1,565 | 1,810 |
| Kalamazoo, Mich.                   | 307    | 344    | 368    | 304    | 252    | 176   | 116               | 149   | 192   |
| Lansing, Mich.                     | 385    | 420    | 512    | 362    | 281    | 177   | 100               | 172   | 213   |
| Milwaukee, Wis.                    | 3,700  | 3,740  | 3,796  | 3,532  | 2,932  | 2,215 | 1,988             | 2,457 | 2,760 |
| Peoria, Ill.                       | 578    | 644    | 739    | 664    | 501    | 372   | 338               | 455   | 540   |
| Rockford, Ill.                     | 398    | 432    | 470    | 378    | 271    | 133   | 129               | 170   | 217   |
| Sioux City, Iowa                   | 867    | 899    | 763    | 678    | 503    | 304   | 260               | 374   | 417   |
| South Bend, Ind.                   | 588    | 596    | 651    | 617    | 445    | 291   | 199               | 262   | 341   |
| Waterloo, Ind.                     | 244    | 273    | 290    | 246    | 172    | 84    | 77                | 121   | 159   |
| <b>St. Louis district:</b>         |        |        |        |        |        |       |                   |       |       |
| Evansville, Ind.                   | 581    | 582    | 462    | 324    | 269    | 187   | 161               | 202   | 253   |
| Little Rock, Ark.                  | 954    | 995    | 628    | 494    | 329    | 223   | 187               | 267   | 339   |
| Louisville, Ky.                    | 2,312  | 2,458  | 2,524  | 2,184  | 1,674  | 1,248 | 1,196             | 1,551 | 1,660 |
| Memphis, Tenn.                     | 1,952  | 1,912  | 2,196  | 1,681  | 1,206  | 988   | 958               | 1,202 | 1,289 |
| St. Louis, Mo.                     | 8,951  | 9,548  | 9,841  | 8,348  | 7,085  | 5,187 | 4,485             | 5,271 | 6,125 |
| <b>Minneapolis district:</b>       |        |        |        |        |        |       |                   |       |       |
| Aberdeen, S. Dak.                  | 81     | 90     | 86     | 74     | 60     | 40    | 81                | 39    | 47    |
| Billings, Mont.                    | 100    | 117    | 120    | 98     | 84     | 60    | 55                | 73    | 95    |
| Duluth, Minn.                      | 1,112  | 1,064  | 1,094  | 884    | 611    | 410   | 419               | 412   | 425   |
| Fargo, N. Dak.                     | 188    | 229    | 242    | 207    | 179    | 144   | 120               | 147   | 177   |
| Grand Forks, N. Dak.               | 99     | 103    | 98     | 84     | 72     | 52    | 37                | 43    | 49    |
| Helena, Mont.                      | 109    | 116    | 124    | 105    | 91     | 68    | 04                | 97    | 130   |
| Minneapolis, Minn.                 | 4,338  | 5,295  | 6,010  | 5,081  | 3,871  | 2,913 | 3,196             | 3,441 | 3,787 |
| St. Paul, Minn.                    | 2,074  | 2,148  | 2,261  | 2,038  | 1,669  | 1,300 | 1,123             | 1,461 | 1,768 |
| Superior, Wis.                     | 99     | 104    | 105    | 92     | 72     | 51    | 33                | 37    | 43    |
| <b>Kansas city district:</b>       |        |        |        |        |        |       |                   |       |       |
| Albuquerque, N. Mex.               | 144    | 155    | 162    | 151    | 127    | 92    | 70                | 105   | 126   |
| Bartlesville, Okla.                | 286    | 213    | 270    | 314    | 209    | 207   | 225               | 252   | 265   |
| Colorado Springs, Colo.            | 181    | 202    | 208    | 202    | 169    | 128   | 112               | 134   | 156   |
| Denver, Colo.                      | 2,119  | 2,196  | 2,434  | 2,058  | 1,687  | 1,261 | 1,134             | 1,474 | 1,699 |
| Joplin, Mo.                        | 187    | 172    | 185    | 130    | 91     | 72    | 74                | 87    | 100   |
| Kansas City, Kans.                 | 246    | 247    | 245    | 240    | 185    | 133   | 104               | 121   | 134   |
| Kansas City, Mo.                   | 4,656  | 5,077  | 5,699  | 4,986  | 3,856  | 2,830 | 2,059             | 3,119 | 3,388 |
| Muskogee, Okla.                    | 145    | 146    | 153    | 126    | 94     | 76    | 71                | 80    | 85    |
| Oklahoma City, Okla.               | 1,262  | 1,364  | 1,569  | 1,473  | 1,043  | 720   | 667               | 852   | 997   |
| Omaha, Nebr.                       | 2,408  | 2,601  | 2,767  | 2,507  | 2,004  | 1,329 | 1,146             | 1,448 | 1,568 |
| Pueblo, Colo.                      | 268    | 262    | 285    | 252    | 218    | 150   | 143               | 167   | 170   |
| St. Joseph, Mo.                    | 682    | 714    | 704    | 563    | 414    | 272   | 253               | 312   | 319   |
| Topeka, Kans.                      | 230    | 248    | 249    | 246    | 204    | 148   | 131               | 169   | 180   |
| Tulsa, Okla.                       | 1,677  | 1,658  | 1,996  | 1,780  | 1,086  | 872   | 760               | 1,038 | 1,229 |
| Wichita, Kans.                     | 829    | 882    | 882    | 743    | 543    | 384   | 328               | 417   | 495   |
| <b>Dallas district:</b>            |        |        |        |        |        |       |                   |       |       |
| Austin, Tex.                       | 238    | 238    | 271    | 243    | 221    | 191   | 173               | 261   | 320   |
| Beaumont, Tex.                     | 288    | 301    | 344    | 302    | 236    | 168   | 141               | 195   | 240   |
| Dallas, Tex.                       | 2,620  | 2,898  | 3,134  | 2,641  | 2,001  | 1,585 | 1,505             | 1,955 | 2,162 |
| El Paso, Tex.                      | 385    | 426    | 491    | 433    | 290    | 185   | 156               | 215   | 248   |
| Fort Worth, Tex.                   | 1,139  | 1,277  | 1,377  | 1,084  | 837    | 632   | 552               | 697   | 810   |
| Houston, Tex.                      | 2,186  | 2,319  | 2,536  | 2,222  | 1,799  | 1,360 | 1,325             | 1,606 | 1,822 |
| Shreveport, La.                    | 468    | 506    | 539    | 461    | 344    | 276   | 261               | 350   | 368   |
| Texarkana, Tex.                    | 126    | 128    | 128    | 97     | 70     | 44    | 37                | 41    | 43    |
| Tucson, Ariz.                      | 111    | 128    | 142    | 131    | 125    | 99    | 73                | 90    | 102   |
| Waco, Tex.                         | 221    | 224    | 233    | 192    | 159    | 123   | 116               | 189   | 151   |
| <b>San Francisco district:</b>     |        |        |        |        |        |       |                   |       |       |
| Boise, Idaho.                      | 169    | 187    | 191    | 175    | 159    | 118   | 104               | 147   | 179   |
| Fresno, Calif.                     | 495    | 436    | 424    | 395    | 272    | 188   | 161               | 227   | 274   |
| Long Beach, Calif.                 | 580    | 674    | 752    | 580    | 473    | 307   | 244               | 279   | 364   |
| Los Angeles, Calif.                | 11,199 | 12,912 | 14,622 | 11,999 | 9,288  | 6,561 | 5,590             | 6,487 | 8,021 |
| Oakland, Calif.                    | 2,697  | 3,017  | 2,846  | 2,317  | 2,247  | 2,021 | 1,782             | 1,968 | 849   |
| Ogden, Utah                        | 226    | 234    | 245    | 224    | 167    | 116   | 116               | 152   | 169   |
| Pasadena, Calif.                   | 481    | 487    | 490    | 406    | 354    | 249   | 198               | 218   | 258   |
| Portland, Oreg.                    | 2,046  | 2,202  | 2,371  | 2,100  | 1,711  | 1,177 | 1,142             | 1,478 | 1,700 |
| Reno, Nev.                         | 114    | 123    | 156    | 133    | 119    | 82    | 55                | 92    | 104   |
| Sacramento, Calif.                 | 480    | 605    | 625    | 581    | 558    | 451   | 291               | 737   | 1,279 |
| Salt Lake City, Utah               | 862    | 927    | 1,012  | 885    | 711    | 515   | 457               | 588   | 668   |
| San Diego, Calif.                  | 743    | 753    | 776    | 667    | 558    | 400   | 317               | 360   | 500   |
| San Francisco, Calif.              | 15,052 | 18,384 | 16,987 | 15,055 | 11,719 | 7,742 | 6,899             | 8,181 | 9,568 |
| Seattle, Wash.                     | 2,615  | 2,958  | 3,267  | 2,814  | 2,242  | 1,515 | 1,338             | 1,652 | 1,880 |
| Spokane, Wash.                     | 668    | 686    | 737    | 612    | 485    | 328   | 244               | 367   | 445   |
| Stockton, Calif.                   | 343    | 352    | 345    | 285    | 205    | 151   | 120               | 170   | 191   |
| Tacoma, Wash.                      | 539    | 559    | 608    | 526    | 385    | 243   | 209               | 265   | 304   |
| Yakima, Wash.                      | 160    | 173    | 187    | 178    | 142    | 93    | 82                | 128   | 139   |

<sup>1</sup> 11 months; figures for March not available.<sup>2</sup> Prior to September 1934 the figures for this center were not compiled in accordance with the approved formula and are not comparable with those reported beginning with that month.<sup>3</sup> Figures through April 1928 are for Charleston, S. C. Greenville substituted for Charleston in national summaries beginning May 1928.<sup>4</sup> Includes debits of \$64,250,000 for June–December 1927 of 10 banks not reporting until June 1927.

Source: Board of Governors of the Federal Reserve System.

## 12. NATIONAL WEALTH, INCOME, AND DEBT

(Data in this section relate to continental United States)

### No. 297.—ESTIMATED NATIONAL WEALTH OF THE UNITED STATES: TOTAL, 1850 TO 1922, AND BY CLASSES OF PROPERTY, 1900 TO 1922

NOTE.—Estimates of national wealth for the earlier censuses were not made by precisely the same methods used more recently and are not closely comparable. Changes in buying power of money, as indicated by levels of prices and wages, materially affect the comparisons (see price tables in Sec. 14). For distribution of principal classes of property by States for 1912 and 1922, see Statistical Abstract, 1922, Table 275. There have been no official estimates of wealth since 1922

[All figures, except per capita, in millions of dollars]

| Year                       | Amount (millions of dollars) |          |          | Amount per capita (dollars) |         |        |
|----------------------------|------------------------------|----------|----------|-----------------------------|---------|--------|
|                            | Total                        | Taxable  | Exempt   | Total                       | Taxable | Exempt |
| 1850.....                  | 7, 136                       | 7, 136   | -----    | 308                         | 308     | -----  |
| 1860.....                  | 16, 160                      | 16, 160  | -----    | 514                         | 514     | -----  |
| 1870 (currency basis)..... | 30, 089                      | 30, 089  | -----    | 780                         | 780     | -----  |
| 1870 (gold basis).....     | 24, 055                      | 24, 055  | -----    | 624                         | 624     | -----  |
| 1880.....                  | 46, 642                      | 41, 642  | 1 2, 000 | 870                         | 830     | 40     |
| 1890.....                  | 66, 037                      | 61, 204  | 3, 833   | 1, 036                      | 975     | 61     |
| 1900.....                  | 88, 517                      | 82, 305  | 6, 213   | 1, 165                      | 1, 083  | 82     |
| 1904.....                  | 107, 104                     | 100, 273 | 6, 831   | 1, 318                      | 1, 234  | 84     |
| 1912.....                  | 186, 300                     | 173, 986 | 12, 314  | 1, 950                      | 1, 820  | 129    |
| 1922.....                  | 320, 804                     | 300, 298 | 20, 506  | 2, 918                      | 2, 731  | 186    |

  

| Form of wealth                                                            | 1900    | 1904     | 1912     | 1922     |
|---------------------------------------------------------------------------|---------|----------|----------|----------|
| Grand total.....                                                          | 88, 517 | 107, 104 | 186, 300 | 320, 804 |
| Real estate, plant and equipment, total.....                              | 69, 848 | 83, 801  | 141, 700 | 229, 408 |
| Real property taxed.....                                                  | 46, 325 | 55, 510  | 96, 923  | 155, 909 |
| Real property exempt.....                                                 | 0, 213  | 6, 831   | 12, 314  | 20, 506  |
| Livestock.....                                                            | 3, 306  | 4, 074   | 6, 238   | 5, 807   |
| Farm implements and machinery.....                                        | 760     | 845      | 1, 368   | 2, 605   |
| Gold and silver coin and bullion.....                                     | 1, 677  | 1, 999   | 2, 617   | 4, 278   |
| Manufacturing machinery, tools, etc.....                                  | 2, 541  | 3, 298   | 6, 091   | 15, 783  |
| Railroads and their equipment.....                                        | 9, 036  | 11, 245  | 18, 149  | 19, 951  |
| Motor vehicles.....                                                       | -----   | -----    | -----    | 4, 567   |
| Transportation and transmission enterprises (except railroads) total..... | 3, 495  | 4, 841   | 10, 265  | 16, 414  |
| Street railways.....                                                      | 1, 576  | 2, 220   | 4, 597   | 4, 878   |
| Telegraph systems.....                                                    | 212     | 227      | 223      | 204      |
| Telephone systems.....                                                    | 400     | 586      | 1, 081   | 1, 746   |
| Pullman and other private cars not owned by railroads.....                | 99      | 123      | 123      | 545      |
| Pipeline.....                                                             | -----   | -----    | -----    | 500      |
| Shipping and canals.....                                                  | 538     | 846      | 1, 491   | 2, 951   |
| Irrigation enterprises.....                                               | -----   | -----    | 861      | -----    |
| Privately owned waterworks.....                                           | 268     | 275      | 290      | 361      |
| Privately owned central electric light and power stations.....            | 403     | 563      | 2, 099   | 4, 229   |
| All other, total.....                                                     | 15, 174 | 18, 482  | 84, 334  | 75, 984  |
| Agricultural products.....                                                | 1, 465  | 1, 899   | 5, 240   | 5, 466   |
| Manufactured products.....                                                | 6, 087  | 7, 409   | 14, 694  | 28, 423  |
| Imported merchandise.....                                                 | 425     | 496      | 827      | 1, 549   |
| Mining products.....                                                      | 327     | 408      | 816      | 730      |
| Clothing and personal ornaments.....                                      | 2, 000  | 2, 500   | 4, 265   | -----    |
| Furniture, carriages, etc.....                                            | 4, 880  | 5, 750   | 8, 483   | 39, 816  |

<sup>1</sup> From page 11, 1880 census volume, Valuation, Taxation, and Public Indebtedness.

<sup>2</sup> Differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma.

<sup>3</sup> Includes \$492,000,000 value of ships belonging to the United States Navy.

<sup>4</sup> Includes \$1,446,000,000 value of ships belonging to the United States Navy.

Source: Bureau of the Census, Department of Commerce,

# No. 298.—WEALTH: ESTIMATED VALUE OF ALL TANGIBLE PROPERTY SITUATED IN EACH GEOGRAPHIC DIVISION AND STATE

NOTE.—See headnote to Table 297. This table shows, not the value of property owned by the citizens of each State, but that of the physical property lying in each State wherever the securities or other evidences of title representing it may be found or owned. The per capita figures thus do not represent the average wealth of the citizens of each State

| Division and State        | Amount (millions of dollars) |        |         |                   |                   | Total amount per capita (dollars) |       |       |       |       |       |
|---------------------------|------------------------------|--------|---------|-------------------|-------------------|-----------------------------------|-------|-------|-------|-------|-------|
|                           | Total                        |        |         |                   |                   | Taxable<br>1922                   |       |       |       |       |       |
|                           | 1890                         | 1900   | 1904    | 1912 <sup>1</sup> | 1922 <sup>1</sup> |                                   | 1890  | 1900  | 1904  | 1912  | 1922  |
| United States.....        | 65,037                       | 88,517 | 107,104 | 186,300           | 320,804           | 300,298                           | 1,038 | 1,165 | 1,318 | 1,950 | 2,918 |
| New England.....          | 5,223                        | 7,753  | 8,823   | 11,918            | 24,415            | 22,552                            | 1,111 | 1,386 | 1,498 | 1,761 | 3,188 |
| Maine.....                | 489                          | 682    | 776     | 1,018             | 2,007             | 1,919                             | 740   | 982   | 1,096 | 1,351 | 2,586 |
| New Hampshire.....        | 326                          | 472    | 517     | 658               | 1,374             | 1,283                             | 863   | 1,147 | 1,214 | 1,613 | 3,074 |
| Vermont.....              | 266                          | 380    | 390     | 505               | 842               | 799                               | 799   | 960   | 1,035 | 1,407 | 2,389 |
| Massachusetts.....        | 2,804                        | 4,359  | 4,956   | 8,381             | 12,981            | 11,895                            | 1,252 | 1,554 | 1,672 | 1,827 | 3,243 |
| Rhode Island.....         | 604                          | 711    | 799     | 986               | 1,925             | 1,814                             | 1,459 | 1,658 | 1,702 | 1,737 | 3,086 |
| Connecticut.....          | 835                          | 1,199  | 1,415   | 2,370             | 5,286             | 4,842                             | 1,119 | 1,320 | 1,453 | 2,041 | 3,614 |
| Middle Atlantic.....      | 16,213                       | 24,554 | 29,478  | 47,901            | 77,683            | 71,568                            | 1,277 | 1,589 | 1,763 | 2,374 | 3,352 |
| New York.....             | 8,577                        | 12,505 | 14,769  | 25,064            | 37,035            | 33,019                            | 1,430 | 1,720 | 1,868 | 2,694 | 3,436 |
| New Jersey.....           | 1,445                        | 2,734  | 3,236   | 6,011             | 11,794            | 11,170                            | 1,000 | 1,451 | 1,547 | 2,240 | 3,524 |
| Pennsylvania.....         | 0,191                        | 9,315  | 11,473  | 16,226            | 28,834            | 27,169                            | 1,177 | 1,478 | 1,707 | 2,036 | 3,187 |
| East North Central.....   | 15,041                       | 19,862 | 23,961  | 39,608            | 68,828            | 65,616                            | 1,117 | 1,230 | 1,416 | 3,112 | 3,063 |
| Ohio.....                 | 3,951                        | 5,019  | 5,947   | 9,123             | 18,489            | 17,553                            | 1,076 | 1,207 | 1,387 | 1,861 | 3,048 |
| Indiana.....              | 2,095                        | 2,607  | 3,106   | 5,859             | 8,830             | 8,337                             | 956   | 1,036 | 1,174 | 1,954 | 2,942 |
| Illinois.....             | 5,067                        | 6,977  | 8,817   | 15,600            | 22,233            | 21,191                            | 1,324 | 1,447 | 1,689 | 2,663 | 3,295 |
| Michigan.....             | 2,095                        | 2,654  | 3,282   | 5,298             | 11,405            | 10,890                            | 1,001 | 1,096 | 1,297 | 1,828 | 2,899 |
| Wisconsin.....            | 1,833                        | 2,405  | 2,839   | 4,328             | 7,866             | 7,545                             | 1,087 | 1,163 | 1,292 | 1,808 | 2,887 |
| West North Central.....   | 10,214                       | 13,785 | 16,830  | 30,610            | 48,019            | 44,080                            | 1,149 | 1,332 | 1,546 | 3,587 | 3,588 |
| Minnesota.....            | 1,692                        | 2,514  | 3,344   | 5,432             | 8,548             | 8,237                             | 1,300 | 1,435 | 1,729 | 2,529 | 3,442 |
| Iowa.....                 | 2,287                        | 3,368  | 4,048   | 7,709             | 10,512            | 10,197                            | 1,196 | 1,509 | 1,828 | 3,465 | 4,274 |
| Missouri.....             | 2,398                        | 3,244  | 3,780   | 5,728             | 9,982             | 9,612                             | 895   | 1,044 | 1,147 | 1,717 | 2,903 |
| North Dakota.....         | 337                          | 542    | 736     | 2,118             | 2,467             | 2,107                             | 1,844 | 1,699 | 1,771 | 3,329 | 3,692 |
| South Dakota.....         | 425                          | 553    | 680     | 1,327             | 2,026             | 2,744                             | 1,293 | 1,376 | 1,530 | 2,125 | 4,482 |
| Nebraska.....             | 1,276                        | 1,026  | 2,009   | 3,721             | 5,320             | 5,128                             | 1,205 | 1,525 | 1,832 | 3,049 | 4,004 |
| Kansas.....               | 1,799                        | 1,988  | 2,263   | 4,580             | 6,264             | 5,695                             | 1,261 | 1,318 | 1,468 | 2,632 | 3,493 |
| South Atlantic.....       | 5,133                        | 6,879  | 7,937   | 14,589            | 29,189            | 27,262                            | 579   | 840   | 718   | 1,159 | 2,005 |
| Delaware.....             | 176                          | 212    | 230     | 305               | 626               | 598                               | 1,043 | 1,146 | 1,204 | 1,478 | 2,728 |
| Maryland.....             | 1,085                        | 1,817  | 1,512   | 2,326             | 3,991             | 3,742                             | 1,041 | 1,109 | 1,213 | 1,694 | 2,665 |
| District of Columbia..... | 844                          | 929    | 1,040   | 1,172             | 1,697             | 1,219                             | 1,491 | 1,332 | 1,491 | 3,418 | 3,879 |
| Virginia.....             | 362                          | 1,102  | 1,288   | 2,402             | 4,892             | 4,642                             | 521   | 594   | 666   | 1,140 | 2,030 |
| West Virginia.....        | 439                          | 660    | 840     | 2,428             | 4,678             | 4,446                             | 575   | 688   | 810   | 1,897 | 3,040 |
| North Carolina.....       | 584                          | 682    | 842     | 1,685             | 4,543             | 4,381                             | 361   | 360   | 420   | 740   | 1,703 |
| South Carolina.....       | 401                          | 485    | 586     | 1,261             | 2,405             | 2,289                             | 348   | 352   | 414   | 811   | 1,385 |
| Georgia.....              | 852                          | 936    | 1,168   | 2,163             | 3,897             | 3,726                             | 464   | 422   | 493   | 802   | 1,365 |
| Florida.....              | 390                          | 350    | 431     | 937               | 2,440             | 2,329                             | 995   | 673   | 729   | 1,167 | 2,358 |
| East South Central.....   | 3,137                        | 3,654  | 4,285   | 7,411             | 12,990            | 12,948                            | 488   | 494   | 538   | 861   | 1,437 |
| Kentucky.....             | 1,172                        | 1,365  | 1,528   | 2,277             | 3,582             | 3,401                             | 631   | 636   | 675   | 981   | 1,459 |
| Tennessee.....            | 888                          | 957    | 1,104   | 1,884             | 4,228             | 3,975                             | 502   | 473   | 520   | 848   | 1,773 |
| Alabama.....              | 623                          | 775    | 965     | 2,015             | 3,002             | 2,891                             | 412   | 424   | 494   | 931   | 1,244 |
| Mississippi.....          | 454                          | 567    | 688     | 1,235             | 2,178             | 2,081                             | 352   | 359   | 416   | 687   | 1,216 |
| West South Central.....   | 3,264                        | 4,568  | 6,768   | 13,209            | 19,861            | 18,837                            | 891   | 897   | 798   | 1,422 | 1,867 |
| Arkansas.....             | 455                          | 604    | 804     | 1,722             | 2,600             | 2,520                             | 403   | 461   | 580   | 1,054 | 1,439 |
| Louisiana.....            | 495                          | 815    | 1,032   | 1,990             | 3,417             | 3,237                             | 443   | 590   | 694   | 1,158 | 1,855 |
| Oklahoma.....             | 3,208                        | 3,812  | 1,095   | 3,118             | 3,993             | 3,627                             | 860   | 1,027 | 1,092 | 1,684 | 1,864 |
| Texas.....                | 2,106                        | 2,322  | 2,837   | 6,379             | 9,851             | 9,453                             | 942   | 762   | 841   | 1,561 | 2,010 |
| Mountain.....             | 2,927                        | 3,244  | 3,973   | 6,686             | 12,206            | 10,456                            | 2,260 | 1,925 | 2,228 | 3,312 | 3,436 |
| Montana.....              | 453                          | 614    | 746     | 1,133             | 2,223             | 1,990                             | 3,429 | 2,523 | 2,633 | 2,792 | 3,691 |
| Idaho.....                | 208                          | 276    | 343     | 579               | 1,534             | 1,258                             | 2,464 | 1,708 | 1,795 | 1,598 | 3,301 |
| Wyoming.....              | 170                          | 281    | 330     | 356               | 976               | 660                               | 2,796 | 3,041 | 3,297 | 2,253 | 4,663 |
| Colorado.....             | 1,146                        | 938    | 1,207   | 2,315             | 3,230             | 2,860                             | 2,780 | 1,738 | 2,046 | 2,702 | 3,285 |
| New Mexico.....           | 232                          | 268    | 332     | 495               | 852               | 737                               | 1,507 | 1,374 | 1,587 | 1,388 | 2,299 |
| Arizona.....              | 189                          | 263    | 306     | 457               | 1,314             | 1,158                             | 3,168 | 2,140 | 2,239 | 2,062 | 3,512 |
| Utah.....                 | 349                          | 413    | 488     | 796               | 1,535             | 1,361                             | 1,681 | 1,491 | 1,609 | 2,016 | 3,247 |
| Nevada.....               | 180                          | 191    | 221     | 454               | 542               | 441                               | 3,941 | 4,503 | 5,214 | 5,003 | 6,998 |
| Pacific.....              | 3,885                        | 4,693  | 6,019   | 13,777            | 23,573            | 21,805                            | 2,076 | 1,917 | 2,380 | 3,002 | 3,934 |
| Washington.....           | 761                          | 782    | 1,052   | 3,183             | 5,122             | 4,696                             | 2,177 | 1,509 | 1,806 | 2,484 | 3,600 |
| Oregon.....               | 590                          | 633    | 852     | 2,057             | 3,419             | 3,059                             | 1,882 | 1,530 | 1,886 | 2,816 | 4,182 |
| California.....           | 2,634                        | 3,218  | 4,115   | 8,537             | 15,032            | 14,050                            | 2,097 | 2,167 | 2,582 | 3,312 | 4,007 |

<sup>1</sup> Total differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma. Includes \$402,000,000 value of ships belonging to the United States Navy and \$290,000,000 value of privately owned water-supply systems not distributed by States. Items for geographic divisions and States differ from estimate as published in 1912 because of redistribution of railroad values in accordance with the method employed in 1922.

<sup>2</sup> Total includes \$1,446,000,000 value of ships belonging to the United States Navy, \$361,000,000 privately owned water-supply systems, and \$4,278,000,000 gold and silver coin and bullion not distributed by States.

<sup>3</sup> Includes Indian Territory.

<sup>4</sup> Differs from estimate as published in 1912 because of revision of estimate for taxed real property.

Source: Bureau of the Census, Department of Commerce.



## No. 299.—NATIONAL INCOME PRODUCED AND PAID OUT

NOTE.—Under the concept of national income employed in this study, the following items have not been included: Imputed income from ownership of durable goods (including owned homes), the imputed value of services of housewives and other members of the family, earnings from odd jobs, direct relief and charity, earnings from illegal pursuits, and changes in value of assets not derived by groups professionally occupied in the handling of assets. Business savings represent the difference between the income produced in a given year and the amount actually distributed to individuals. Negative savings are incurred when the business system pays to individuals more than was produced in a given year.

|                                          | 1929   | 1930   | 1931   | 1932   | 1933   | 1934   | 1935   |
|------------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| AMOUNT (millions of dollars)             |        |        |        |        |        |        |        |
| Income produced.....                     | 81,034 | 67,917 | 53,584 | 39,545 | 41,742 | 48,397 | 52,959 |
| Business savings.....                    | 2,402  | -5,015 | -8,120 | -8,817 | -3,198 | -1,776 | -628   |
| Corporate savings.....                   | 1,423  | -3,909 | -5,877 | -6,366 | -2,796 | -2,340 | -1,443 |
| Business savings of entrepreneurs.....   | 979    | -1,106 | -2,243 | -2,451 | -402   | 563    | 815    |
| Income paid out.....                     | 78,632 | 72,632 | 61,704 | 48,362 | 44,940 | 50,173 | 53,587 |
| PERCENTAGES OF 1929                      |        |        |        |        |        |        |        |
| Income produced.....                     | 100.0  | 83.8   | 66.1   | 48.8   | 51.5   | 59.7   | 65.4   |
| Income paid out.....                     | 100.0  | 92.8   | 78.5   | 61.5   | 57.2   | 63.8   | 68.1   |
| Cost of living index <sup>1</sup> .....  | 100.0  | 97.7   | 98.1   | 80.5   | 78.2   | 78.9   | 81.1   |
| Wholesale price index <sup>1</sup> ..... | 100.0  | 90.7   | 78.6   | 68.0   | 60.2   | 78.6   | 83.9   |

<sup>1</sup> Bureau of Labor Statistics.

## No. 300.—NATIONAL INCOME PAID OUT: BY TYPES OF PAYMENT

|                                                   | Amount (millions of dollars) |        |        |        |        |        |        | Percent distribution |       |       |
|---------------------------------------------------|------------------------------|--------|--------|--------|--------|--------|--------|----------------------|-------|-------|
|                                                   | 1929                         | 1930   | 1931   | 1932   | 1933   | 1934   | 1935   | 1929                 | 1932  | 1935  |
| Income paid out, total.....                       | 78,632                       | 72,632 | 61,704 | 48,362 | 44,940 | 50,173 | 53,587 | 100.0                | 100.0 | 100.0 |
| Compensation of employees, total.....             | 61,487                       | 47,198 | 39,758 | 30,920 | 29,420 | 33,528 | 36,057 | 65.5                 | 64.0  | 57.3  |
| Salaries (selected industries) <sup>1</sup> ..... | 5,663                        | 5,548  | 4,806  | 3,387  | 3,048  | 3,250  | 3,417  | 7.2                  | 7.0   | 6.4   |
| Wages (selected industries) <sup>1</sup> .....    | 17,197                       | 14,261 | 10,808 | 7,017  | 7,189  | 8,944  | 10,149 | 21.9                 | 14.5  | 18.9  |
| Salaries and wages (all other industries).....    | 27,690                       | 26,409 | 23,461 | 19,417 | 17,591 | 19,046 | 20,173 | 35.2                 | 40.2  | 37.6  |
| Work-relief wages <sup>2</sup> .....              |                              |        |        |        | 619    | 1,389  | 1,313  |                      |       | 2.5   |
| Other labor income.....                           | 937                          | 990    | 1,088  | 1,099  | 973    | 899    | 1,005  | 1.2                  | 2.3   | 1.9   |
| Dividends and interest, total <sup>3</sup> .....  | 11,218                       | 11,302 | 9,764  | 7,980  | 6,969  | 7,211  | 7,303  | 14.3                 | 16.5  | 13.6  |
| Dividends.....                                    | 5,964                        | 5,795  | 4,312  | 2,754  | 2,208  | 2,549  | 2,830  | 7.6                  | 5.7   | 5.3   |
| Interest.....                                     | 5,104                        | 5,305  | 5,169  | 4,975  | 4,592  | 4,569  | 4,422  | 6.5                  | 10.3  | 8.3   |
| Entrepreneurial withdrawals.....                  | 12,503                       | 11,669 | 10,086 | 7,992  | 7,306  | 8,052  | 8,701  | 15.9                 | 16.5  | 16.2  |
| Net rents and royalties.....                      | 3,424                        | 2,768  | 2,096  | 1,470  | 1,245  | 1,382  | 1,526  | 4.3                  | 3.0   | 2.9   |

<sup>1</sup> Includes mining, manufacturing, construction, steam railroads, Pullman, railway express, and water transportation.

<sup>2</sup> Includes pay rolls and maintenance of Civilian Conservation Corps enrollees and pay rolls of Civil Works Administration, Federal Emergency Relief Administration, and Works Progress Administration work projects, plus administrative pay rolls outside of Washington.

<sup>3</sup> Includes also net balance of international flow of property incomes.

## No. 301.—NATIONAL INCOME PRODUCED: BY INDUSTRIAL DIVISIONS

[In millions of dollars]

| Industrial division                   | 1929   | 1930   | 1931   | 1932   | 1933   | 1934   | 1935   |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Total.....                            | 81,034 | 67,917 | 53,584 | 39,545 | 41,742 | 48,397 | 52,959 |
| Agriculture.....                      | 7,159  | 5,555  | 3,601  | 2,335  | 3,153  | 4,303  | 4,824  |
| Mining.....                           | 1,894  | 1,307  | 701    | 474    | 522    | 842    | 888    |
| Electric light and power and gas..... | 1,295  | 1,197  | 1,125  | 985    | 907    | 924    | 954    |
| Manufacturing.....                    | 19,308 | 14,072 | 9,526  | 5,623  | 7,797  | 9,791  | 11,326 |
| Construction.....                     | 3,225  | 2,756  | 1,742  | 670    | 595    | 729    | 980    |
| Transportation.....                   | 7,216  | 6,206  | 5,007  | 3,760  | 3,745  | 3,990  | 4,260  |
| Communication.....                    | 1,023  | 994    | 906    | 744    | 656    | 688    | 739    |
| Trade.....                            | 10,955 | 9,131  | 7,372  | 5,254  | 5,772  | 6,340  | 6,551  |
| Finance.....                          | 8,219  | 7,113  | 5,702  | 4,360  | 3,677  | 3,859  | 4,433  |
| Government.....                       | 6,805  | 7,043  | 7,189  | 7,148  | 7,360  | 8,365  | 8,646  |
| Excluding work relief program.....    | 6,805  | 7,043  | 7,189  | 7,148  | 6,741  | 6,976  | 7,333  |
| Work relief program.....              |        |        |        |        | 619    | 1,389  | 1,313  |
| Service.....                          | 9,207  | 8,459  | 7,198  | 5,379  | 4,957  | 5,802  | 6,404  |
| Miscellaneous.....                    | 4,728  | 4,084  | 3,515  | 2,813  | 2,601  | 2,765  | 2,954  |

Source of tables 299, 300, and 301: Bureau of Foreign and Domestic Commerce.

## No. 302.—NATIONAL INCOME PAID OUT: BY INDUSTRIAL DIVISIONS

| Industrial division                   | Amount (millions of dollars) |        |        |        |        |        |        | Percent distribution |       |       |       |
|---------------------------------------|------------------------------|--------|--------|--------|--------|--------|--------|----------------------|-------|-------|-------|
|                                       | 1929                         | 1930   | 1931   | 1932   | 1933   | 1934   | 193    | 1929                 | 1932  | 1934  | 1935  |
| Total.....                            | 78,632                       | 72,932 | 61,704 | 48,362 | 44,940 | 50,173 | 53,587 | 100.0                | 100.0 | 100.0 | 100.0 |
| Agriculture.....                      | 6,157                        | 5,495  | 4,271  | 3,181  | 2,976  | 3,282  | 3,692  | 7.8                  | 6.6   | 6.5   | 6.9   |
| Mining.....                           | 2,080                        | 1,732  | 1,213  | 826    | 814    | 1,042  | 1,081  | 2.6                  | 1.7   | 2.1   | 2.0   |
| Electric light and power and gas..... | 1,304                        | 1,475  | 1,408  | 1,275  | 1,094  | 1,085  | 1,091  | 1.7                  | 2.6   | 2.2   | 2.1   |
| Manufacturing.....                    | 18,013                       | 15,940 | 12,364 | 8,543  | 8,514  | 10,268 | 11,427 | 22.9                 | 17.7  | 20.4  | 21.3  |
| Construction.....                     | 3,257                        | 2,939  | 1,069  | 948    | 786    | 874    | 1,111  | 4.1                  | 2.0   | 1.7   | 2.1   |
| Transportation.....                   | 6,847                        | 6,327  | 5,352  | 4,266  | 3,909  | 4,216  | 4,444  | 8.7                  | 8.8   | 8.4   | 8.3   |
| Communication.....                    | 914                          | 947    | 894    | 801    | 728    | 749    | 773    | 1.2                  | 1.7   | 1.5   | 1.5   |
| Trade.....                            | 10,852                       | 10,296 | 9,027  | 7,074  | 6,132  | 6,691  | 6,864  | 13.8                 | 14.6  | 13.3  | 12.8  |
| Finance.....                          | 8,334                        | 7,460  | 6,428  | 5,130  | 4,274  | 4,454  | 4,679  | 10.6                 | 10.6  | 8.9   | 8.7   |
| Government.....                       | 6,805                        | 7,043  | 7,189  | 7,148  | 7,360  | 8,365  | 8,646  | 8.7                  | 14.8  | 16.7  | 16.1  |
| Excluding work relief program.....    | 6,805                        | 7,043  | 7,189  | 7,148  | 6,741  | 6,976  | 7,333  | 8.7                  | 14.8  | 13.9  | 13.7  |
| Work relief program.....              |                              |        |        |        | 819    | 1,313  |        |                      |       | 2.8   | 2.4   |
| Service.....                          | 6,271                        | 8,767  | 7,673  | 6,056  | 5,462  | 5,150  | 6,614  | 11.8                 | 12.5  | 12.3  | 12.3  |
| Miscellaneous.....                    | 4,798                        | 4,502  | 3,906  | 3,114  | 2,893  | 3,007  | 3,165  | 6.1                  | 6.4   | 6.0   | 5.9   |

Source: Bureau of Foreign and Domestic Commerce.

## No. 303.—LONG-TERM DEBT, PUBLIC AND PRIVATE: ESTIMATED AMOUNTS OUTSTANDING AT THE END OF THE YEAR, BY CLASSES

NOTE.—These figures represent gross debt. Insofar as possible, obligations held by the issuing corporation or individual are excluded, but no eliminations are made for intragroup and intergroup holdings of evidences of debt. Under the concept of long-term debt employed in this study, figures include, in general, debt issued with maturities of more than 1 year. The margins of error shown in the table for private debt represent a nonstatistical evaluation of the figures by the estimator. As the element of bias is probably in the same direction for all years, the figures are more reliable for the measurement of the flow of debt than to measure the absolute volume as of a particular date.

[Amount of debt in billions and tenths of billions of dollars]

| Class of debt                                   | 1912           |                      |                           | 1922           |                      |                           | 1930           |                      |                           | 1934           |                      |                           |
|-------------------------------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|----------------|----------------------|---------------------------|
|                                                 | Estimated debt | Percent distribution | Margin of error (percent) | Estimated debt | Percent distribution | Margin of error (percent) | Estimated debt | Percent distribution | Margin of error (percent) | Estimated debt | Percent distribution | Margin of error (percent) |
| <b>PRIVATE <sup>1</sup></b>                     |                |                      |                           |                |                      |                           |                |                      |                           |                |                      |                           |
| Total <sup>1</sup> .....                        | 31.3           | 100.0                | 10                        | 51.2           | 100.0                | 5                         | 84.8           | 100.0                | 3                         | 74.9           | 100.0                | 3                         |
| Railway <sup>2</sup> .....                      | 10.7           | 34.2                 |                           | 11.9           | 23.2                 |                           | 13.4           | 15.8                 |                           | 13.4           | 17.9                 |                           |
| Public utility.....                             | 5.3            | 16.8                 | 5                         | 8.4            | 16.5                 | 4                         | 14.0           | 16.6                 | 1                         | 14.8           | 19.7                 | 2                         |
| Industrial <sup>3</sup> .....                   | 4.5            | 14.4                 | 10                        | 6.8            | 13.2                 | 5                         | 10.8           | 12.8                 | 2                         | 8.5            | 11.3                 | 3                         |
| Farm mortgage <sup>4</sup> .....                | 3.8            | 12.2                 | 4                         | 8.9            | 17.4                 | 3                         | 9.1            | 10.8                 | 2                         | 7.8            | 10.4                 |                           |
| Nonfarm home mortgage <sup>5</sup> .....        |                |                      |                           |                |                      |                           | 22.3           | 26.4                 | 5                         | 17.7           | 23.7                 | 4                         |
| Other urban real estate debt <sup>6</sup> ..... | 7.0            | 22.4                 | 15                        | 15.2           | 29.7                 | 10                        | 14.9           | 17.6                 | 5                         | 12.7           | 17.0                 | 4                         |
| <b>PUBLIC <sup>1,8</sup></b>                    |                |                      |                           |                |                      |                           |                |                      |                           |                |                      |                           |
| Federal <sup>7</sup> .....                      | 965            |                      |                           | 21,384         |                      |                           | 14,454         |                      |                           | 25,832         |                      |                           |
| State and local <sup>8</sup> .....              | 4,284          |                      |                           | 10,140         |                      |                           | 17,730         |                      |                           | 18,192         |                      |                           |

<sup>1</sup> This summary excludes the debt of financial corporations which is largely duplicated in other basic debt. Private financial corporate debt has been estimated at about \$2,600,000,000 for 1934. Bonds, notes, and debentures of governmental corporations and credit agencies, excluding interagency liabilities and Federal land-bank bonds held by the Federal Farm Mortgage Corporation, amounted to \$5,100,000,000 on Dec. 31, 1934 (see table 293, p. 267, for agencies included). The latter figure includes \$3,300,000,000 of bonds guaranteed by the U. S. Government, representing contingent Federal debt.

<sup>2</sup> Funded debt actually outstanding for railways and switching and terminal companies. The 1930 and 1934 figures are raised to take account of receivers' certificates and funded debt matured unpaid. The margin of error is very small for these figures.

<sup>3</sup> Figures are for corporations operating for profit and do not include debts of unincorporated business firms. Debts of the latter in the form of mortgage loans are included in urban realty debt figures.

<sup>4</sup> Figures for 1912, 1922, and 1930 are interpolated between estimates of the Bureau of Agricultural Economics on the basis of annual statistics of interest payable on farm mortgages published by that Bureau. The percentages shown as margins of error refer to adjustments in the estimates of the Bureau of Agricultural Economics and not to the estimates as a whole. The figure for 1934 is an estimate by William G. Murray, published in the Journal of Farm Economics, 1935.

<sup>5</sup> Estimates are very rough. They include debts of unincorporated business enterprises and nonprofit corporations as well as real estate debts proper.

<sup>6</sup> For additional statistics relating to public debt, consult index for references to data in other sections.

<sup>7</sup> Includes bonds and Treasury notes and also, for 1922, Treasury war savings securities; these items constitute a debt figure which is roughly comparable with private long-term debt figures.

<sup>8</sup> Estimates as of June 30, 1913, 1923, 1931, and 1935.

Sources: Private debt, Bureau of Foreign and Domestic Commerce; public debt, Treasury Department;

# 13. BUSINESS FINANCE

[Foreign Exchange Rates—Interest Rates—Insurance—Capital Issues—Stock Exchange Transactions—Commercial Failures]

No. 304.—FOREIGN EXCHANGE RATES ON CABLE TRANSFERS, NEW YORK

| Country                | Monetary unit                   | Mint par            |                     | Yearly average rate in dollars |        |                    |        |                     |                    |                      |  |
|------------------------|---------------------------------|---------------------|---------------------|--------------------------------|--------|--------------------|--------|---------------------|--------------------|----------------------|--|
|                        |                                 | To Jan. 31, 1934    | Since Jan. 31, 1934 | 1929                           | 1930   | 1931               | 1932   | 1933                | 1934               | 1935                 |  |
|                        |                                 | Dollars             | Dollars             |                                |        |                    |        |                     |                    |                      |  |
| North America:         |                                 |                     |                     |                                |        |                    |        |                     |                    |                      |  |
| Canada.....            | Dollar.....                     | 1.0000              | 1.6931              | 0.9925                         | 0.9984 | 0.9633             | 0.8809 | 0.9196              | 1.0101             | 0.9949               |  |
| Cuba.....              | Peso.....                       | 1.0000              | 1.0000              | .9996                          | .9995  | .9993              | .9994  | .9995               | .9994              | .9992                |  |
| Mexico.....            | do. <sup>1</sup>                | .4985               | .8440               | .4818                          | .4713  | <sup>2</sup> .3549 | .3185  | .2810               | .2774              | .2778                |  |
| South America:         |                                 |                     |                     |                                |        |                    |        |                     |                    |                      |  |
| Argentina.....         | Peso (gold).....                | .9648               | 1.6335              | .9513                          | .8351  | .6674              | .5844  | <sup>3</sup> 4,7280 | <sup>3</sup> .3368 | <sup>3</sup> .3266   |  |
| Brazil.....            | Milreis.....                    | 1.196               | .2025               | 1.181                          | 1.071  | .0708              | .0712  | <sup>2</sup> .0796  | <sup>3</sup> .0843 | <sup>3</sup> .0829   |  |
| Chile.....             | Peso.....                       | 1.217               | .2060               | 1.206                          | 1.208  | 1.207              | .0791  | <sup>2</sup> .0768  | <sup>3</sup> .1015 | <sup>3</sup> .0508   |  |
| Colombia.....          | do.....                         | .9738               | 1.6479              | .9655                          | .9649  | .9667              | .9528  | <sup>2</sup> .8170  | <sup>3</sup> .6178 | <sup>3</sup> .5601   |  |
| Peru <sup>4</sup>      | Sol <sup>5</sup>                | <sup>6</sup> .2800  | .4741               | 3.9998                         | 3.592  | .2807              | .2133  | 1.886               | 2.305              | 2.338                |  |
| Uruguay.....           | Peso.....                       | 1.0342              | 1.7510              | .9863                          | .8587  | .5536              | .4706  | <sup>2</sup> .6034  | <sup>3</sup> .7996 | <sup>3</sup> .8025   |  |
| Venezuela <sup>4</sup> | Bolivar.....                    | .1930               | .3268               | 1.930                          | 1.890  | .1704              | .1475  | 1.862               | 2.833              | 2.650                |  |
| Europe:                |                                 |                     |                     |                                |        |                    |        |                     |                    |                      |  |
| Austria.....           | Schilling.....                  | 1.407               | .2382               | 1.406                          | 1.409  | .1402              | .1396  | <sup>2</sup> .1545  | <sup>3</sup> .1879 | <sup>3</sup> .1883   |  |
| Belgium.....           | Belga.....                      | 1.390               | .1895               | 1.391                          | 1.395  | .1393              | .1391  | 1.790               | 2.329              | 1.842                |  |
| Bulgaria.....          | Lev.....                        | .0072               | .0122               | .00722                         | .00721 | .00716             | .00719 | .01004              | .01285             | .01295               |  |
| Czechoslovakia.....    | Koruna <sup>8</sup>             | <sup>9</sup> .0296  | <sup>9</sup> .0418  | .02961                         | .02964 | .02962             | .02962 | .03823              | .04242             | .04164               |  |
| Denmark.....           | Krone.....                      | .2680               | .4637               | .2668                          | .2677  | .2506              | .1883  | 1.907               | 2.250              | 2.188                |  |
| Finland.....           | Markka.....                     | .0252               | .0426               | .02516                         | .02517 | .02388             | .01555 | .01871              | .02228             | .02163               |  |
| France.....            | Franc.....                      | .0392               | .0663               | .03916                         | .03925 | .03920             | .03928 | .05031              | .06569             | .06601               |  |
| Germany.....           | Reichsmark.....                 | .2332               | .4033               | .2381                          | .2386  | .2365              | .2375  | .3052               | .3938              | .4026                |  |
| Greece.....            | Drachma.....                    | .0130               | .0220               | .01293                         | .01290 | .01298             | .00832 | .00723              | .00940             | .00939               |  |
| Hungary.....           | Pengo.....                      | .1749               | .2361               | 1.744                          | 1.749  | 1.745              | 1.745  | <sup>2</sup> .2236  | <sup>3</sup> .2957 | <sup>3</sup> .2960   |  |
| Italy.....             | Lira.....                       | .0528               | .0891               | .05233                         | .05237 | .05206             | .05126 | .06709              | .08562             | <sup>10</sup> .08247 |  |
| Netherlands.....       | Florin.....                     | .4020               | .0806               | .4016                          | .4023  | .4023              | .4029  | .5172               | .6738              | .6771                |  |
| Norway.....            | Krone.....                      | .2680               | .4537               | .2668                          | .2676  | .2505              | .1800  | 2.143               | 2.532              | 2.463                |  |
| Poland.....            | Zloty.....                      | 1.122               | .1899               | 1.119                          | 1.121  | 1.120              | 1.118  | 1.441               | 1.885              | 1.888                |  |
| Portugal.....          | Escudo.....                     | <sup>11</sup> .0442 | .0748               | .04471                         | .04494 | .04244             | .03196 | .03917              | .04609             | .04458               |  |
| Rumania.....           | Leu.....                        | <sup>12</sup> .0060 | .0101               | .00596                         | .00595 | .00598             | .00597 | .00780              | .01001             | .00928               |  |
| Spain.....             | Peseta.....                     | .1930               | .3267               | 1.458                          | 1.167  | .0955              | .0804  | 1.072               | 1.362              | 1.368                |  |
| Sweden.....            | Krone.....                      | .2680               | .4537               | .2673                          | .2685  | .2525              | .1847  | 2.203               | 2.598              | 2.527                |  |
| Switzerland.....       | Franc.....                      | .1930               | .3267               | 1.928                          | 1.938  | 1.940              | 1.940  | 2.484               | 3.237              | 3.250                |  |
| United Kingdom.....    | Pound.....                      | 4.8695              | 8.2397              | 4.8569                         | 4.8621 | 4.5850             | 3.5061 | 4.2868              | 5.0393             | 4.9018               |  |
| Yugoslavia.....        | Dinar.....                      | <sup>13</sup> .0176 | .0298               | .01759                         | .01768 | .01768             | .01641 | .01761              | .02272             | .02284               |  |
| Asia:                  |                                 |                     |                     |                                |        |                    |        |                     |                    |                      |  |
| Hong Kong.....         | Dollar.....                     | ( <sup>14</sup> )   | ( <sup>14</sup> )   | .4717                          | .3385  | .2433              | .2348  | .2945               | .3872              | .4822                |  |
| China.....             | Yuan <sup>15</sup>              | ( <sup>14</sup> )   | ( <sup>14</sup> )   | .4190                          | .2962  | .2244              | .2174  | <sup>16</sup> .2890 | .3409              | <sup>17</sup> .3057  |  |
| India.....             | Rupce.....                      | .3650               | .0180               | .3620                          | .3607  | .3389              | .2935  | .3182               | .8738              | .3896                |  |
| Japan.....             | Yen.....                        | .4985               | .8440               | .4610                          | .4939  | .4885              | .2811  | .2656               | .2672              | .2871                |  |
| Malaya (British).....  | Straits Settlements dollar..... | .5678               | .9513               | .5601                          | .5599  | .5245              | .4040  | .4923               | .6901              | .5717                |  |

<sup>1</sup> Effective May 25, 1934. Previous par value \$1.6931.

<sup>2</sup> Quotations prior to 1931 are for the gold peso. Quotation for 1931 is for the silver peso, July 30 to Dec. 31. The average for the gold peso Jan. 2 to July 29, 1931, was \$0.4765.

<sup>3</sup> Nominal or partly nominal since April 1933.

<sup>4</sup> Average for gold peso Jan. 1 to Dec. 10. Beginning Dec. 13, 1933, paper peso equivalent to 44 percent of gold peso was quoted in place of the latter; average for paper peso Dec. 13 to 31 was \$0.3333.

<sup>5</sup> Data for Peru and Venezuela for 1932 to 1935 are selling rates in Lima and Caracas for sight drafts compiled by the Bureau of Foreign and Domestic Commerce.

<sup>6</sup> Quotations for 1929 are for the libra, par \$4.8665; quotation for 1930 is for the sol Mar. 27 to Dec. 31. Par value of sol established at \$0.40 Mar. 27, 1930; sol restabilized at \$0.28 May 1931.

<sup>7</sup> Effective Mar. 31, 1935. Previous par value \$0.2354.

<sup>8</sup> Legal stabilization at \$0.0296 effective Nov. 27, 1929. Previous nominal par value, \$0.2026.

<sup>9</sup> Effective Feb. 17, 1934. Previous par value, \$0.0502.

<sup>10</sup> Nominal since Nov. 23, 1935.

<sup>11</sup> Established as legal parity, July 1, 1931; former par value, \$1.0805.

<sup>12</sup> In February 1929, the leu was stabilized at \$0.00598. The former par value was \$0.193.

<sup>13</sup> Established as legal parity, May 11, 1931; former par value, \$0.193.

<sup>14</sup> Par varies with the price of silver.

<sup>15</sup> Quotations prior to 1933 are for the old yuan containing 23.9025 grams of pure silver; quotations beginning 1933 are for the new yuan containing 23.4934 grams of pure silver.

<sup>16</sup> Average quotation for the new yuan, Apr. 10 to Dec. 31 (see note 15). The average for the old yuan from Jan. 1 to Apr. 9 was \$0.2021.

<sup>17</sup> On Nov. 3, 1935, the yuan was definitely placed on a managed currency basis and tied to sterling at a given rate.

Sources: Board of Governors of the Federal Reserve System, except as noted.

## No. 305.—FOREIGN EXCHANGE RATES, NEW YORK, BY MONTHS

NOTE.—For par of exchange of monetary units and yearly average rate see table 304

|                | Canada<br>(dollar)                | Mexico<br>(peso) <sup>1</sup> | Argentina <sup>2</sup><br>(peso) | Brazil <sup>3</sup><br>(milreis) | Chile <sup>4</sup><br>(peso) | Belgium<br>(belga) | France<br>(franc) | Germany<br>(reichs-<br>mark) |                                                              |
|----------------|-----------------------------------|-------------------------------|----------------------------------|----------------------------------|------------------------------|--------------------|-------------------|------------------------------|--------------------------------------------------------------|
|                | <i>Dollars</i>                    | <i>Dollar</i>                 | <i>Dollar</i>                    | <i>Dollar</i>                    | <i>Dollar</i>                | <i>Dollar</i>      | <i>Dollar</i>     | <i>Dollar</i>                |                                                              |
| 1933:          |                                   |                               |                                  |                                  |                              |                    |                   |                              |                                                              |
| March.....     | 0.8352                            | 0.2832                        | 0.5830                           | 0.0768                           | 0.0603                       | 0.1898             | 0.0304            | 0.2385                       |                                                              |
| June.....      | .9889                             | .2767                         | .7106                            | .0764                            | .0752                        | .1705              | .0480             | .2881                        |                                                              |
| September..... | .9647                             | .2815                         | .8009                            | .0815                            | .0867                        | .2070              | .0577             | .3543                        |                                                              |
| December.....  | 1.0055                            | .2774                         | .3333                            | .0860                            | .0980                        | .2173              | .0612             | .3732                        |                                                              |
| 1934:          |                                   |                               |                                  |                                  |                              |                    |                   |                              |                                                              |
| March.....     | .9979                             | .2772                         | .3396                            | .0854                            | .1013                        | .2330              | .0658             | .3966                        |                                                              |
| June.....      | 1.0079                            | .2775                         | .3366                            | .0847                            | .1022                        | .2336              | .0680             | .3830                        |                                                              |
| September..... | 1.0294                            | .2776                         | .3329                            | .0831                            | .1030                        | .2373              | .0667             | .4028                        |                                                              |
| December.....  | 1.0181                            | .2776                         | .3295                            | .0819                            | .1024                        | .2339              | .0660             | .4019                        |                                                              |
| 1935:          |                                   |                               |                                  |                                  |                              |                    |                   |                              |                                                              |
| January.....   | 1.0018                            | .2775                         | .3260                            | .0815                            | .0506                        | .2332              | .0658             | .4006                        |                                                              |
| February.....  | .9989                             | .2775                         | .3246                            | .0813                            | .0508                        | .2333              | .0659             | .4012                        |                                                              |
| March.....     | .9906                             | .2776                         | .3180                            | .0824                            | .0509                        | .2276              | .0662             | .4037                        |                                                              |
| April.....     | .9953                             | .2764                         | .3222                            | .0826                            | .0510                        | .1694              | .0660             | .4026                        |                                                              |
| May.....       | .9900                             | .2779                         | .3255                            | .0828                            | .0510                        | .1695              | .0659             | .4025                        |                                                              |
| June.....      | .9991                             | .2778                         | .3287                            | .0831                            | .0510                        | .1694              | .0691             | .4041                        |                                                              |
| July.....      | .9983                             | .2777                         | .3303                            | .0831                            | .0510                        | .1691              | .0692             | .4035                        |                                                              |
| August.....    | .9978                             | .2775                         | .3312                            | .0837                            | .0505                        | .1689              | .0693             | .4035                        |                                                              |
| September..... | .9926                             | .2776                         | .3286                            | .0834                            | .0505                        | .1685              | .0699             | .4023                        |                                                              |
| October.....   | .9858                             | .2776                         | .3271                            | .0838                            | .0507                        | .1685              | .0659             | .4023                        |                                                              |
| November.....  | .9892                             | .2777                         | .3282                            | .0838                            | .0510                        | .1689              | .0639             | .4023                        |                                                              |
| December.....  | .9905                             | .2777                         | .3285                            | .0839                            | .0509                        | .1686              | .0660             | .4022                        |                                                              |
| 1936:          |                                   |                               |                                  |                                  |                              |                    |                   |                              |                                                              |
| January.....   | .9993                             | .2777                         | .3307                            | .0842                            | .0510                        | .1694              | .0663             | .4040                        |                                                              |
| February.....  | 1.0011                            | .2777                         | .3333                            | .0838                            | .0510                        | .1704              | .0668             | .4069                        |                                                              |
| March.....     | .9984                             | .2777                         | .3313                            | .0849                            | .0509                        | .1698              | .0663             | .4044                        |                                                              |
| April.....     | .9950                             | .2777                         | .3295                            | .0856                            | .0509                        | .1691              | .0659             | .4024                        |                                                              |
| May.....       | .9981                             | .2776                         | .3311                            | .0858                            | .0508                        | .1694              | .0659             | .4028                        |                                                              |
| June.....      | .9972                             | .2776                         | .3342                            | .0863                            | .0507                        | .1691              | .0659             | .4027                        |                                                              |
|                |                                   |                               |                                  |                                  |                              |                    |                   |                              |                                                              |
|                | United<br>King-<br>dom<br>(pound) | Italy<br>(lira)               | Nether-<br>lands<br>(florin)     | Spain<br>(peseta)                | Sweden<br>(krona)            | China<br>(yuan)    | India<br>(rupee)  | Japan<br>(yen)               | British<br>Malaya<br>(Straits<br>Settle-<br>ments<br>dollar) |
|                | <i>Dollars</i>                    | <i>Dollar</i>                 | <i>Dollar</i>                    | <i>Dollar</i>                    | <i>Dollar</i>                | <i>Dollar</i>      | <i>Dollar</i>     | <i>Dollar</i>                | <i>Dollar</i>                                                |
| 1933:          |                                   |                               |                                  |                                  |                              |                    |                   |                              |                                                              |
| March.....     | 3.4328                            | 0.0514                        | 0.4036                           | 0.0844                           | 0.1819                       | 0.2073             | 0.3579            | 0.2126                       | 0.3961                                                       |
| June.....      | 4.1356                            | .0638                         | .4901                            | .1036                            | .2128                        | .2813              | .3107             | .2576                        | .4796                                                        |
| September..... | 4.6647                            | .0781                         | .5988                            | .1241                            | .2405                        | .2968              | .3501             | .2725                        | .5429                                                        |
| December.....  | 5.1159                            | .0822                         | .6285                            | .1279                            | .2639                        | .3345              | .3839             | .3074                        | .5970                                                        |
| 1934:          |                                   |                               |                                  |                                  |                              |                    |                   |                              |                                                              |
| March.....     | 5.0939                            | .0858                         | .6730                            | .1362                            | .2626                        | .3462              | .3833             | .3001                        | .5960                                                        |
| June.....      | 5.0484                            | .0860                         | .6781                            | .1368                            | .2602                        | .3305              | .3791             | .2990                        | .5917                                                        |
| September..... | 4.9941                            | .0868                         | .6857                            | .1383                            | .2575                        | .3558              | .3755             | .2977                        | .5862                                                        |
| December.....  | 4.9458                            | .0854                         | .6764                            | .1367                            | .2550                        | .3422              | .3718             | .2882                        | .5797                                                        |
| 1935:          |                                   |                               |                                  |                                  |                              |                    |                   |                              |                                                              |
| January.....   | 4.8925                            | .0852                         | .6746                            | .1364                            | .2523                        | .3409              | .3656             | .2847                        | .5724                                                        |
| February.....  | 4.8735                            | .0847                         | .6756                            | .1366                            | .2513                        | .3654              | .3680             | .2839                        | .5701                                                        |
| March.....     | 4.7762                            | .0834                         | .6795                            | .1372                            | .2463                        | .3830              | .3602             | .2798                        | .5563                                                        |
| April.....     | 4.8368                            | .0828                         | .6746                            | .1367                            | .2493                        | .3879              | .3644             | .2837                        | .5633                                                        |
| May.....       | 4.8878                            | .0823                         | .6782                            | .1365                            | .2520                        | .4110              | .3686             | .2873                        | .5689                                                        |
| June.....      | 4.9340                            | .0826                         | .6787                            | .1370                            | .2544                        | .4040              | .3719             | .2899                        | .5738                                                        |
| July.....      | 4.9577                            | .0823                         | .6799                            | .1373                            | .2556                        | .3868              | .3735             | .2915                        | .5755                                                        |
| August.....    | 4.9699                            | .0821                         | .6778                            | .1373                            | .2562                        | .3686              | .3748             | .2932                        | .5738                                                        |
| September..... | 4.9307                            | .0814                         | .6758                            | .1366                            | .2542                        | .3762              | .3721             | .2894                        | .5762                                                        |
| October.....   | 4.9078                            | .0812                         | .6774                            | .1365                            | .2530                        | .3561              | .3702             | .2867                        | .5744                                                        |
| November.....  | 4.9250                            | .0810                         | .6780                            | .1365                            | .2539                        | .2965              | .3714             | .2868                        | .5761                                                        |
| December.....  | 4.9288                            | .0808                         | .6777                            | .1367                            | .2541                        | .2945              | .3720             | .2874                        | .5761                                                        |
| 1936:          |                                   |                               |                                  |                                  |                              |                    |                   |                              |                                                              |
| January.....   | 4.9627                            | .0803                         | .6817                            | .1373                            | .2558                        | .2966              | .3748             | .2899                        | .5806                                                        |
| February.....  | 5.0005                            | .0804                         | .6868                            | .1384                            | .2578                        | .2991              | .3773             | .2913                        | .5855                                                        |
| March.....     | 4.9707                            | .0798                         | .6835                            | .1375                            | .2563                        | .2982              | .3751             | .2894                        | .5824                                                        |
| April.....     | 4.9427                            | .0789                         | .6780                            | .1365                            | .2548                        | .2973              | .3732             | .2887                        | .5794                                                        |
| May.....       | 4.9697                            | .0786                         | .6763                            | .1365                            | .2562                        | .2969              | .3750             | .2905                        | .5824                                                        |
| June.....      | 5.0192                            | .0786                         | .6769                            | .1366                            | .2588                        | .2989              | .3787             | .2939                        | .5883                                                        |

<sup>1</sup> Quotations are for the silver peso.<sup>2</sup> Nominal since April 1933.<sup>3</sup> Paper peso, equivalent to 44 percent of gold peso, quoted in place of latter beginning Dec. 13, 1933. Figure for December is average for paper peso Dec. 13-31; average for gold peso Dec. 1-10 was \$0.7589.<sup>4</sup> Nominal since Nov. 23, 1935.<sup>5</sup> Quotations since April 1933 are for new yuan. See note 15, table 304.<sup>6</sup> See note 17, table 304.

Source: Board of Governors of the Federal Reserve System.

# No. 306.—INTEREST AND ACCEPTANCE RATES: CALL MONEY, TIME LOANS, AND ACCEPTANCES, NEW YORK

Nors.—Rates shown are the range (low and high) for the quarter or month. Prior to 1931, they are based on data for weeks ending Saturday in the case of call money and time loans, and weeks ending various days in the case of acceptances, a week falling in 2 months being included in the month having the greater number of days. Beginning 1931, they are based on daily quotations

| Year, quarter,<br>and month | Call<br>money | Time loans                    |               | Bankers'<br>acceptances<br>(90<br>days) | Year, quarter,<br>and month | Call<br>money | Time loans       |                          | Bankers'<br>acceptances<br>(90<br>days) |
|-----------------------------|---------------|-------------------------------|---------------|-----------------------------------------|-----------------------------|---------------|------------------|--------------------------|-----------------------------------------|
|                             |               | 60 to 90<br>days <sup>1</sup> | 6<br>months   |                                         |                             |               | 60 to 90<br>days | 6<br>months <sup>1</sup> |                                         |
| 1913                        |               |                               |               |                                         | 1924                        |               |                  |                          |                                         |
| Jan.-Mar.                   | 2 - 6         | 3 1/4 - 6                     | 4 - 6         | -----                                   | Jan.-Mar.                   | 2 1/4 - 5 1/4 | 4 - 5            | 4 1/4 - 5                | 3 1/4 - 4 1/4                           |
| Apr.-June                   | 1 - 7         | 3 1/2 - 6                     | 4 - 6         | -----                                   | Apr.-June                   | 2 - 5 1/2     | 2 3/4 - 4 3/4    | 3 1/4 - 4 3/4            | 2 - 4 1/4                               |
| July-Sept.                  | 1 1/4 - 4 1/2 | 2 1/4 - 6                     | 4 1/2 - 6     | -----                                   | July-Sept.                  | 2 - 3         | 2 - 3 1/4        | 3 - 3 1/2                | 2 - 2 1/4                               |
| Oct.-Dec.                   | 2 1/4 - 10    | 4 1/4 - 6                     | 4 1/2 - 5 1/4 | -----                                   | Oct.-Dec.                   | 2 - 5         | 2 1/4 - 3 1/4    | 3 - 4                    | 2 1/4 - 3 1/4                           |
| 1914                        |               |                               |               |                                         | 1925                        |               |                  |                          |                                         |
| Jan.-Mar.                   | 1 1/4 - 10    | 2 1/4 - 5                     | 3 - 5         | -----                                   | Jan.-Mar.                   | 2 - 5         | 3 1/4 - 4 1/4    | 3 3/4 - 4 1/4            | 3 - 3 3/4                               |
| Apr.-June                   | 1 1/4 - 2     | 2 - 3 1/4                     | 2 3/4 - 3 1/4 | -----                                   | Apr.-June                   | 3 1/4 - 5     | 3 3/4 - 4 1/4    | 3 3/4 - 4 1/4            | 3 1/4 - 3 3/4                           |
| July-Sept.                  | 1 1/4 - 10    | 2 1/4 - 10                    | 3 1/4 - 8     | -----                                   | July-Sept.                  | 3 1/4 - 0     | 3 3/4 - 4 1/2    | 4 - 4 1/4                | 3 1/4 - 3 3/4                           |
| Oct.-Dec.                   | 2 1/4 - 8     | 3 1/4 - 10                    | 3 1/4 - 7     | -----                                   | Oct.-Dec.                   | 4 - 6         | 3 1/2 - 5        | 3 3/4 - 5                | 3 1/4 - 3 3/4                           |
| 1915                        |               |                               |               |                                         | 1926                        |               |                  |                          |                                         |
| Jan.-Mar.                   | 1 1/4 - 3     | 2 1/4 - 4 1/2                 | 3 - 4         | -----                                   | Jan.-Mar.                   | 4 - 0         | 4 1/2 - 5        | 4 1/2 - 5                | 3 1/4 - 3 1/2                           |
| Apr.-June                   | 1 - 2 1/2     | 2 1/4 - 3 1/4                 | 2 3/4 - 3 1/2 | -----                                   | Apr.-June                   | 3 - 5 1/2     | 4 - 4 1/2        | 4 - 4 1/2                | 3 1/4 - 3 1/2                           |
| July-Sept.                  | 1 1/4 - 2     | 2 1/4 - 3 1/4                 | 3 - 3 1/4     | -----                                   | July-Sept.                  | 4 - 6         | 4 1/2 - 5 1/4    | 4 1/2 - 5 1/4            | 3 1/4 - 4                               |
| Oct.-Dec.                   | 1 1/4 - 2 1/2 | 2 1/4 - 3                     | 3 1/4 - 3 1/2 | -----                                   | Oct.-Dec.                   | 4 - 6         | 4 1/2 - 5 1/4    | 4 1/2 - 5 1/4            | 3 1/4 - 4                               |
| 1916                        |               |                               |               |                                         | 1927                        |               |                  |                          |                                         |
| Jan.-Mar.                   | 1 1/4 - 3     | 2 1/4 - 3 1/4                 | 2 3/4 - 3 1/2 | -----                                   | Jan.-Mar.                   | 3 1/4 - 5     | 4 1/2 - 4 1/2    | 4 1/2 - 4 1/2            | 3 1/4 - 3 1/2                           |
| Apr.-June                   | 1 1/4 - 4     | 1 1/4 - 4                     | 3 - 4         | -----                                   | Apr.-June                   | 4 - 5         | 4 1/2 - 4 1/2    | 4 1/2 - 4 1/2            | 3 1/4 - 3 1/2                           |
| July-Sept.                  | 2 - 6         | 2 1/4 - 4                     | 3 1/2 - 5     | -----                                   | July-Sept.                  | 3 1/4 - 4 1/2 | 3 1/4 - 4 1/2    | 4 1/2 - 4 1/2            | 3 1/4 - 3 1/2                           |
| Oct.-Dec.                   | 1 1/4 - 15    | 2 1/4 - 4 1/4                 | 3 1/4 - 4 1/2 | -----                                   | Oct.-Dec.                   | 3 1/4 - 5 1/2 | 4 - 4 1/4        | 4 - 4 1/2                | 3 1/4 - 3 1/2                           |
| 1917                        |               |                               |               |                                         | 1928                        |               |                  |                          |                                         |
| Jan.-Mar.                   | 1 1/4 - 3 1/4 | 2 1/4 - 4 1/2                 | 2 1/4 - 5     | -----                                   | Jan.-Mar.                   | 4 - 5 1/2     | 4 1/2 - 4 1/2    | 4 1/2 - 4 1/2            | 3 1/4 - 3 1/2                           |
| Apr.-June                   | 2 - 6         | 2 1/4 - 6                     | 4 - 6         | -----                                   | Apr.-June                   | 4 1/2 - 8     | 4 1/2 - 6        | 4 1/2 - 6                | 3 1/4 - 4 1/2                           |
| July-Sept.                  | 1 1/4 - 10    | 3 1/4 - 6                     | 4 1/2 - 6     | -----                                   | July-Sept.                  | 4 1/2 - 10    | 5 1/2 - 7 1/4    | 5 1/2 - 7 1/4            | 4 1/2 - 4 1/2                           |
| Oct.-Dec.                   | 2 - 6         | 5 - 6                         | 5 - 6         | 3 1/4 - 3 1/2                           | Oct.-Dec.                   | 6 - 12        | 6 1/2 - 7 1/4    | 6 1/2 - 7 1/4            | 4 1/2 - 4 1/2                           |
| 1918                        |               |                               |               |                                         | 1929                        |               |                  |                          |                                         |
| Jan.-Mar.                   | 2 - 6         | 5 1/4 - 6                     | 5 1/2 - 6     | 3 1/4 - 4 1/2                           | Jan.-Mar.                   | 6 - 20        | 7 1/2 - 8 1/2    | 7 1/2 - 8                | 4 1/2 - 5 1/2                           |
| Apr.-June                   | 2 - 6         | 5 1/4 - 6                     | 5 1/2 - 6     | 4 1/2 - 4 1/2                           | Apr.-June                   | 6 - 18        | 7 1/2 - 8 1/2    | 7 1/2 - 9                | 5 1/2 - 5 1/2                           |
| July-Sept.                  | 3 1/4 - 6     | 5 1/4 - 6                     | 5 1/2 - 6     | 4 1/2 - 4 1/2                           | July-Sept.                  | 6 - 15        | 7 1/2 - 8 1/2    | 7 1/2 - 9 1/4            | 5 1/2 - 5 1/2                           |
| Oct.-Dec.                   | 3 1/4 - 6     | 5 - 0                         | 5 1/2 - 6     | 4 1/2 - 4 1/2                           | Oct.-Dec.                   | 4 1/2 - 10    | 4 1/2 - 9 1/4    | 4 1/2 - 9 1/4            | 3 1/4 - 5 1/4                           |
| 1919                        |               |                               |               |                                         | 1930                        |               |                  |                          |                                         |
| Jan.-Mar.                   | 2 1/4 - 7     | 5 - 5 1/4                     | 5 1/4 - 5 1/2 | 4 1/2 - 4 1/2                           | Jan.-Mar.                   | 2 - 6         | 3 1/2 - 5        | 3 1/4 - 5                | 2 1/4 - 4 1/2                           |
| Apr.-June                   | 3 1/4 - 15    | 5 1/4 - 6                     | 5 - 6         | 4 1/2 - 4 1/2                           | Apr.-June                   | 2 - 4         | 2 1/4 - 4 1/2    | 2 1/4 - 4 1/2            | 1 1/2 - 3 1/2                           |
| July-Sept.                  | 3 - 20        | 5 1/4 - 8                     | 5 1/2 - 8     | 4 1/2 - 5 1/2                           | July-Sept.                  | 2 - 3         | 2 - 3            | 2 1/2 - 3 1/2            | 1 1/2 - 2                               |
| Oct.-Dec.                   | 2 - 30        | 5 1/4 - 8                     | 5 1/2 - 8     | 4 1/2 - 5 1/2                           | Oct.-Dec.                   | 1 1/2 - 2 1/2 | 2 - 2 1/2        | 2 1/4 - 3                | 1 1/2 - 2                               |
| 1920                        |               |                               |               |                                         | 1931                        |               |                  |                          |                                         |
| Jan.-Mar.                   | 3 - 25        | 7 - 10                        | 7 - 9         | 5 - 6 1/2                               | January                     | 1 1/4 - 4     | 1 1/4 - 2 1/2    | 1 1/4 - 3                | 1 1/4 - 2                               |
| Apr.-June                   | 6 - 15        | 8 - 9                         | 7 1/2 - 9     | 5 1/2 - 6 1/2                           | February                    | 1 1/4 - 1 1/2 | 1 1/4 - 2 1/2    | 1 1/4 - 2 1/2            | 1 1/4 - 1 1/2                           |
| July-Sept.                  | 5 - 20        | 8 - 9                         | 6 - 9         | 5 1/2 - 6 1/2                           | March                       | 1 - 2         | 1 1/4 - 2 1/2    | 2 - 2 1/2                | 1 1/4 - 1 1/2                           |
| Oct.-Dec.                   | 6 - 10        | 7 - 8 1/4                     | 7 1/4 - 8 1/4 | 3 1/2 - 6 1/2                           | April                       | 1 1/4 - 2 1/2 | 1 1/4 - 2 1/2    | 2 - 2 1/2                | 1 1/4 - 1 1/2                           |
| 1921                        |               |                               |               |                                         | May                         | 1 - 1 1/2     | 1 - 2 1/2        | 1 1/4 - 2 1/2            | 1 1/4 - 1 1/2                           |
| Jan.-Mar.                   | 6 - 9         | 6 - 7 1/2                     | 6 - 8         | 5 1/4 - 6 1/2                           | June                        | 1 1/2         | 1 - 1 1/2        | 1 1/4 - 2                | 1 1/4 - 1                               |
| Apr.-June                   | 5 - 8         | 6 - 7                         | 6 - 7 1/4     | 5 1/4 - 6                               | July                        | 1 1/2         | 1 1/4 - 1 1/2    | 1 1/4 - 2                | 1 1/4 - 1                               |
| July-Sept.                  | 3 1/2 - 6 1/2 | 5 - 6 1/4                     | 5 1/2 - 6 1/4 | 4 1/2 - 5 1/2                           | August                      | 1 1/2         | 1 1/4 - 1 1/2    | 1 1/4 - 2                | 1 1/4 - 1                               |
| Oct.-Dec.                   | 4 - 6         | 4 1/4 - 5 1/2                 | 4 1/2 - 5 1/2 | 4 1/2 - 4 1/4                           | September                   | 1 1/2         | 1 1/4 - 2 1/2    | 1 1/4 - 2 1/2            | 1 1/4 - 1 1/2                           |
| 1922                        |               |                               |               |                                         | October                     | 1 1/2         | 2 - 2 1/2        | 2 - 4 1/2                | 1 1/4 - 3 1/2                           |
| Jan.-Mar.                   | 3 - 6         | 4 1/4 - 5                     | 4 1/4 - 5 1/4 | 3 1/4 - 4 1/4                           | November                    | 2 1/2         | 3 - 4            | 3 - 4                    | 2 1/4 - 3 1/2                           |
| Apr.-June                   | 2 1/4 - 5 1/2 | 3 1/4 - 4 1/4                 | 3 1/4 - 4 1/4 | 3 - 3 1/4                               | December                    | 2 1/2 - 3 1/2 | 3 - 4            | 3 - 4                    | 3 - 3 1/2                               |
| July-Sept.                  | 3 - 6         | 3 1/4 - 4 1/4                 | 3 1/4 - 4     | 3 - 3 1/4                               | 1932                        |               |                  |                          |                                         |
| Oct.-Dec.                   | 3 1/2 - 6     | 4 1/4 - 5                     | 4 1/4 - 5     | 3 1/4 - 4 1/4                           | January                     | 2 1/2 - 3 1/2 | 3 - 4            | 3 - 4                    | 2 1/4 - 3 1/2                           |
| 1923                        |               |                               |               |                                         | February                    | 2 1/2         | 3 1/2 - 3 1/2    | 3 1/2 - 3 1/2            | 2 1/4 - 2 1/2                           |
| Jan.-Mar.                   | 3 1/4 - 6     | 4 1/4 - 5 1/4                 | 4 1/2 - 5 1/4 | 4 - 4 1/4                               | March                       | 2 1/2         | 2 1/2 - 3 1/2    | 2 1/2 - 3 1/2            | 2 1/4 - 2 1/2                           |
| Apr.-June                   | 4 - 6         | 4 1/4 - 5 1/4                 | 4 1/2 - 5 1/4 | 4 - 4 1/4                               | April                       | 2 1/2         | 1 1/2 - 3        | 2 - 3                    | 1 1/4 - 2 1/2                           |
| July-Sept.                  | 3 1/4 - 6     | 4 1/4 - 5                     | 4 1/2 - 5 1/4 | 4 1/2 - 4 1/4                           | May                         | 2 1/2         | 1 1/2 - 2        | 1 1/2 - 2 1/2            | 1 1/4 - 1 1/2                           |
| Oct.-Dec.                   | 4 - 6         | 5 - 5 1/2                     | 5 - 5 1/2     | 4 1/2 - 4 1/4                           | June                        | 2 1/2         | 1 1/2            | 1 - 1 1/2                | 1 1/4 - 1                               |
| 1924                        |               |                               |               |                                         | July                        | 2 - 2 1/2     | 1 - 1 1/2        | 1 - 1 1/2                | 1 1/4 - 1 1/2                           |
| Jan.-Mar.                   | 3 1/4 - 6     | 4 1/4 - 5 1/4                 | 4 1/2 - 5 1/4 | 4 - 4 1/4                               | August                      | 2             | 1 1/4 - 1 1/2    | 1 1/4 - 1 1/2            | 1 1/4 - 1 1/2                           |
| Apr.-June                   | 4 - 6         | 4 1/4 - 5 1/4                 | 4 1/2 - 5 1/4 | 4 - 4 1/4                               | September                   | 2             | 1 - 1 1/4        | 1 1/4 - 1 1/2            | 1 1/4 - 1 1/2                           |
| July-Sept.                  | 3 1/4 - 6     | 5 - 5 1/2                     | 5 - 5 1/2     | 4 1/2 - 4 1/4                           | October                     | 1 - 2         | 1 1/2 - 1        | 1 1/2 - 1 1/2            | 1 1/4 - 1 1/2                           |
| Oct.-Dec.                   | 4 - 6         | 5 - 5 1/2                     | 5 - 5 1/2     | 4 1/2 - 4 1/4                           | November                    | 1             | 1 1/2 - 1 1/2    | 1 1/2 - 1 1/2            | 1 1/4 - 1 1/2                           |
|                             |               |                               |               |                                         | December                    | 1             | 1 1/2 - 1 1/2    | 1 1/2 - 1 1/2            | 1 1/4 - 1 1/2                           |

<sup>1</sup>For the week ended Jan. 14, 1918, to the week ended May 12, 1919, time loans were for 30 to 90 days, and from the latter date to the week ended Oct. 13, 1919, time on loans not specified.

<sup>2</sup>Beginning August 1929, 4 to 6 months.

Source: Call money and time loans, 1913, from the financial editors, New York Times; thereafter, The Analyst; acceptance rates, Acceptance Bulletin of the American Acceptance Council.

# No. 307.—INTEREST AND ACCEPTANCE RATES: CALL MONEY, TIME LOANS, AND ACCEPTANCES, NEW YORK, WEEKLY RANGE

NOTE.—Rates shown are the range, low and high, for weeks ending on date shown in the stub

| Year and week | Call money                  | Time loans                  |                             | Year and week | Bankers' acceptances (90 days) | Year and week | Call money                  | Time loans                  |                             | Year and week | Bankers' acceptances (90 days) |
|---------------|-----------------------------|-----------------------------|-----------------------------|---------------|--------------------------------|---------------|-----------------------------|-----------------------------|-----------------------------|---------------|--------------------------------|
|               |                             | 60 to 90 days               | 4 to 6 months               |               |                                |               |                             | 60 to 90 days               | 4 to 6 months               |               |                                |
| 1933          |                             |                             |                             | 1933          |                                | 1933—contd.   |                             |                             |                             | 1933—contd.   |                                |
| Jan. 7...     | 1                           | $\frac{1}{2}$               | $\frac{1}{2}$ $\frac{3}{4}$ | Jan. 3...     | $\frac{3}{8}$ $\frac{1}{2}$    | Nov. 4...     | $\frac{3}{4}$               | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{5}{8}$ $\frac{3}{4}$ | Nov. 6...     | $\frac{1}{2}$ $\frac{3}{8}$    |
| Jan. 14...    | 1                           | $\frac{1}{2}$               | $\frac{1}{2}$ $\frac{3}{4}$ | Jan. 9...     | $\frac{3}{8}$ $\frac{1}{2}$    | Nov. 11...    | $\frac{3}{4}$               | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{5}{8}$ $\frac{3}{4}$ | Nov. 13...    | $\frac{1}{2}$ $\frac{3}{8}$    |
| Jan. 21...    | 1                           | $\frac{1}{2}$               | $\frac{1}{2}$ $\frac{3}{4}$ | Jan. 16...    | $\frac{3}{8}$ $\frac{1}{2}$    | Nov. 18...    | $\frac{3}{4}$               | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{5}{8}$ $\frac{3}{4}$ | Nov. 20...    | $\frac{1}{2}$ $\frac{3}{8}$    |
| Jan. 28...    | 1                           | $\frac{1}{2}$               | $\frac{1}{2}$ $\frac{3}{4}$ | Jan. 23...    | $\frac{1}{4}$ $\frac{3}{8}$    | Nov. 25...    | $\frac{3}{4}$               | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{5}{8}$ $\frac{3}{4}$ | Nov. 27...    | $\frac{1}{2}$ $\frac{3}{8}$    |
| Feb. 4...     | 1                           | $\frac{1}{2}$               | $\frac{1}{2}$ $\frac{3}{4}$ | Feb. 6...     | $\frac{1}{4}$ $\frac{3}{8}$    | Dec. 2...     | $\frac{3}{4}$               | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{5}{8}$ $\frac{3}{4}$ | Dec. 4...     | $\frac{5}{8}$ $\frac{3}{4}$    |
| Feb. 11...    | 1                           | $\frac{1}{2}$               | $\frac{1}{2}$ $\frac{3}{4}$ | Feb. 14...    | $\frac{3}{8}$ $\frac{1}{2}$    | Dec. 9...     | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{5}{8}$ $\frac{3}{4}$ | Dec. 11...    | $\frac{5}{8}$ $\frac{3}{4}$    |
| Feb. 18...    | 1                           | $\frac{1}{2}$               | $\frac{1}{2}$ $\frac{3}{4}$ | Feb. 20...    | $\frac{3}{8}$ $\frac{1}{2}$    | Dec. 16...    | 1                           | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{1}{2}$ $\frac{3}{4}$ | Dec. 18...    | $\frac{5}{8}$ $\frac{3}{4}$    |
| Feb. 25...    | 1                           | $\frac{1}{2}$ $\frac{1}{4}$ | $\frac{3}{4}$ $\frac{1}{2}$ | Feb. 27...    | $\frac{1}{2}$ $\frac{1}{4}$    | Dec. 23...    | 1                           | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{1}{2}$ $\frac{3}{4}$ | Dec. 26...    | $\frac{5}{8}$ $\frac{3}{4}$    |
| Mar. 4...     | 1 $\frac{1}{4}$             | $\frac{2}{3}$ $\frac{1}{4}$ | $\frac{2}{3}$ $\frac{1}{4}$ | Mar. 6...     | $\frac{1}{2}$ $\frac{3}{8}$    | Dec. 30...    | 1                           | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{1}{2}$ $\frac{3}{4}$ |               |                                |
| Mar. 11...    | (5)                         | (5)                         | (5)                         | Mar. 13...    | $\frac{3}{8}$ $\frac{3}{4}$    | 1934          |                             |                             |                             | 1934          |                                |
| Mar. 18...    | 3 $\frac{1}{2}$             | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{3}{4}$ $\frac{1}{2}$ | Mar. 20...    | 2 $\frac{1}{2}$                | Jan. 6...     |                             |                             |                             | Jan. 2...     |                                |
| Mar. 25...    | 3 $\frac{1}{2}$             | $\frac{2}{3}$ $\frac{1}{2}$ | $\frac{2}{3}$ $\frac{1}{2}$ | Mar. 27...    | 2 $\frac{1}{2}$                | to            |                             |                             |                             | to            |                                |
| Apr. 1...     | 3                           | 2 $\frac{1}{2}$             | 2 $\frac{1}{2}$             | Apr. 3...     | 2 $\frac{1}{2}$                | Feb. 3...     | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | 1 $\frac{1}{2}$             | Mar. 5...     | $\frac{1}{2}$ $\frac{3}{8}$    |
| Apr. 8...     | $\frac{1}{2}$ $\frac{1}{2}$ | 1 $\frac{1}{2}$             | 1 $\frac{1}{2}$             | Apr. 10...    | $\frac{1}{2}$ $\frac{1}{2}$    | Feb. 10...    | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | 1 $\frac{1}{2}$             | Mar. 12...    |                                |
| Apr. 15...    | 1 $\frac{1}{2}$             | $\frac{3}{4}$ $\frac{1}{2}$ | 1 $\frac{1}{2}$             | Apr. 17...    | $\frac{1}{2}$ $\frac{3}{8}$    | Feb. 17...    | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | 1 $\frac{1}{2}$             | to            |                                |
| Apr. 22...    | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | 1 $\frac{1}{2}$             | Apr. 24...    | $\frac{3}{8}$ $\frac{3}{4}$    | Feb. 24...    | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{3}{4}$ $\frac{1}{2}$ | Apr. 16...    | $\frac{1}{2}$ $\frac{3}{8}$    |
| Apr. 29...    | 1                           | 1 $\frac{1}{2}$             | 1 $\frac{1}{2}$             | May 1...      | $\frac{1}{2}$ $\frac{5}{8}$    | Mar. 3...     | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{3}{4}$ $\frac{1}{2}$ | Apr. 23...    |                                |
| May 6...      | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | 1 $\frac{1}{2}$             | May 8...      | $\frac{1}{2}$ $\frac{5}{8}$    | Mar. 10...    |                             |                             |                             | to            |                                |
| May 13...     | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | 1 $\frac{1}{2}$             | May 15...     | $\frac{1}{2}$ $\frac{5}{8}$    | Dec. 29...    | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{3}{4}$ $\frac{1}{2}$ | Oct. 22...    | $\frac{3}{8}$ $\frac{1}{4}$    |
| May 20...     | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | 1 $\frac{1}{2}$             | May 22...     | $\frac{1}{2}$ $\frac{5}{8}$    | to            |                             |                             |                             | Oct. 29...    |                                |
| May 27...     | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{3}{4}$ $\frac{1}{2}$ | May 29...     | $\frac{1}{2}$ $\frac{5}{8}$    | Dec. 31...    |                             |                             |                             | to            |                                |
| June 3...     | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{3}{4}$ $\frac{1}{2}$ | June 5...     | $\frac{3}{8}$ $\frac{1}{2}$    | 1935          |                             |                             |                             | Dec. 31...    | $\frac{1}{2}$ $\frac{3}{8}$    |
| June 10...    | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{3}{4}$ $\frac{1}{2}$ | June 12...    | $\frac{3}{8}$ $\frac{1}{2}$    | Jan. 5...     |                             |                             |                             | 1935          |                                |
| June 17...    | 1                           | 1 $\frac{1}{2}$             | $\frac{1}{2}$ $\frac{1}{2}$ | June 19...    | $\frac{3}{8}$ $\frac{1}{2}$    | to            |                             |                             |                             | Jan. 7...     |                                |
| June 24...    | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | 1 $\frac{1}{2}$             | June 26...    | $\frac{3}{8}$ $\frac{1}{2}$    | Apr. 13...    | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{3}{4}$ $\frac{1}{2}$ | to            |                                |
| July 1...     | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | 1 $\frac{1}{2}$             | July 3...     | $\frac{3}{8}$ $\frac{1}{2}$    | Apr. 20...    | $\frac{1}{2}$ $\frac{1}{2}$ | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{3}{8}$ $\frac{1}{2}$ | Dec. 30...    | $\frac{1}{2}$ $\frac{3}{8}$    |
| July 8...     | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{3}{4}$ $\frac{1}{2}$ | July 10...    | $\frac{1}{2}$ $\frac{5}{8}$    | Apr. 27...    |                             |                             |                             |               |                                |
| July 15...    | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | 1 $\frac{1}{2}$             | July 17...    | $\frac{1}{2}$ $\frac{5}{8}$    | to            |                             |                             |                             |               |                                |
| July 22...    | 1                           | 1 $\frac{1}{2}$             | $\frac{1}{2}$ $\frac{1}{2}$ | July 24...    | $\frac{1}{2}$ $\frac{5}{8}$    | May 25...     | $\frac{1}{4}$               | $\frac{3}{4}$               | $\frac{3}{8}$               |               |                                |
| July 29...    | 1                           | 1 $\frac{1}{2}$             | $\frac{1}{2}$ $\frac{1}{2}$ | July 31...    | $\frac{1}{2}$ $\frac{5}{8}$    | June 1...     |                             |                             |                             |               |                                |
| Aug. 5...     | 1                           | 1 $\frac{1}{2}$             | $\frac{1}{2}$ $\frac{1}{2}$ | Aug. 7...     | $\frac{1}{2}$ $\frac{5}{8}$    | to            |                             |                             |                             |               |                                |
| Aug. 12...    | 1                           | 1 $\frac{1}{2}$             | 1 $\frac{1}{2}$             | Aug. 14...    | $\frac{1}{2}$ $\frac{5}{8}$    | Oct. 23...    | $\frac{1}{4}$ $\frac{1}{2}$ | $\frac{1}{4}$               | $\frac{1}{4}$               |               |                                |
| Aug. 19...    | 1                           | 1 $\frac{1}{2}$             | 1 $\frac{1}{2}$             | Aug. 21...    | $\frac{1}{2}$ $\frac{5}{8}$    | Nov. 2...     | $\frac{1}{4}$ $\frac{3}{4}$ | $\frac{1}{4}$ $\frac{1}{2}$ | $\frac{1}{4}$ $\frac{1}{2}$ |               |                                |
| Aug. 26...    | 1                           | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{3}{4}$ $\frac{1}{2}$ | Aug. 28...    | $\frac{3}{8}$ $\frac{1}{2}$    | Nov. 9...     |                             |                             |                             |               |                                |
| Sept. 2...    | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{1}{2}$ $\frac{1}{2}$ | $\frac{3}{4}$ $\frac{1}{2}$ | Sept. 5...    | $\frac{1}{4}$ $\frac{3}{8}$    | to            |                             |                             |                             |               |                                |
| Sept. 9...    | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{1}{2}$ $\frac{1}{2}$ | Sept. 11...   | $\frac{1}{4}$ $\frac{3}{8}$    | Dec. 28...    | $\frac{3}{4}$               | 1                           | 1                           |               |                                |
| Sept. 16...   | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{1}{2}$ $\frac{1}{2}$ | Sept. 18...   | $\frac{1}{4}$ $\frac{3}{8}$    | 1936          |                             |                             |                             | 1936          |                                |
| Sept. 23...   | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{1}{2}$ $\frac{1}{2}$ | Sept. 25...   | $\frac{1}{4}$ $\frac{3}{8}$    | Jan. 4...     |                             |                             |                             | Jan. 6...     |                                |
| Sept. 30...   | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{1}{2}$ $\frac{1}{2}$ |               |                                | to            |                             |                             |                             | to            |                                |
| Oct. 7...     | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{5}{8}$ $\frac{1}{2}$ | Oct. 2...     | $\frac{1}{4}$ $\frac{3}{8}$    | May 9...      | $\frac{3}{4}$               | 1                           | 1                           | June 29...    | $\frac{1}{2}$ $\frac{3}{8}$    |
| Oct. 14...    | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{5}{8}$ $\frac{1}{2}$ | Oct. 9...     | $\frac{1}{4}$ $\frac{3}{8}$    | May 16...     |                             |                             |                             |               |                                |
| Oct. 21...    | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{5}{8}$ $\frac{1}{2}$ | Oct. 16...    | $\frac{1}{4}$ $\frac{3}{8}$    | to            |                             |                             |                             |               |                                |
| Oct. 28...    | $\frac{3}{4}$ $\frac{1}{2}$ | $\frac{1}{2}$ $\frac{3}{4}$ | $\frac{5}{8}$ $\frac{1}{2}$ | Oct. 23...    | $\frac{1}{4}$ $\frac{3}{8}$    | June 27...    | 1                           | $\frac{1}{4}$               | $\frac{1}{4}$               |               |                                |
|               |                             |                             |                             | Oct. 30...    | $\frac{1}{4}$ $\frac{3}{8}$    |               |                             |                             |                             |               |                                |

<sup>1</sup> Time loan rates are nominal.

<sup>2</sup> Rates are for Feb. 28 to Mar. 3.

<sup>3</sup> No quotation owing to national bank holiday.

<sup>4</sup> Rates for Mar. 13 only.

<sup>5</sup> Offerings; no bid.

<sup>6</sup> There were no changes in rates for the entire period included within the weeks ended on dates shown.

Sources: Call and time rates from the *Annalist*, acceptance rates from *Acceptance Bulletin* of the American Acceptance Council.

# No. 308.—FIRE AND MARINE INSURANCE BUSINESS: CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS

NOTE.—Data cover transactions of both United States and foreign companies

[All figures except number of companies in thousands of dollars]

| Calendar year | Stock and mutual companies           |                           |                           |             |                     |              |              |           |                     |
|---------------|--------------------------------------|---------------------------|---------------------------|-------------|---------------------|--------------|--------------|-----------|---------------------|
|               | Number of companies                  | Capital (stock companies) | Total assets <sup>1</sup> | Net surplus | Net premiums        | Total income | Losses       | Dividends | Expenses            |
| 1890          | 580                                  | 86,732                    | 322,078                   | 108,734     | 143,346             | 157,858      | 75,335       | 12,946    | 49,819              |
| 1895          | 555                                  | 70,225                    | 347,564                   | 118,228     | 161,447             | 175,750      | 89,213       | 14,605    | 54,203              |
| 1900          | 493                                  | 73,151                    | 413,027                   | 162,658     | 182,131             | 198,813      | 108,307      | 16,029    | 65,881              |
| 1905          | 560                                  | 76,128                    | 544,182                   | 211,545     | 270,387             | 292,995      | 124,925      | 22,877    | 93,310              |
| 1910          | 593                                  | 94,734                    | 572,899                   | 206,212     | 263,303             | 291,534      | 123,692      | 34,857    | 94,389              |
| 1915          | 613                                  | 107,675                   | 873,945                   | 321,014     | 419,361             | 459,361      | 221,701      | 26,509    | 157,730             |
| 1918          | 630                                  | 131,221                   | 1,180,795                 | 378,210     | 715,980             | 772,740      | 335,921      | 43,506    | 249,261             |
| 1919          | 781                                  | 163,103                   | 1,391,096                 | 453,920     | 810,881             | 884,166      | 335,570      | 52,474    | 295,405             |
| 1920          | 789                                  | 176,906                   | 1,559,141                 | 464,565     | 995,295             | 1,073,625    | 451,470      | 63,815    | 371,479             |
| 1921          | 802                                  | 184,584                   | 1,592,351                 | 501,337     | 832,908             | 915,921      | 514,755      | 64,959    | 343,209             |
| 1922          | 754                                  | 205,367                   | 1,627,345                 | 550,067     | 851,257             | 939,568      | 477,116      | 73,924    | 337,590             |
| 1923          | 763                                  | 211,165                   | 1,782,383                 | 561,658     | 878,907             | 1,002,175    | 504,795      | 78,487    | 350,106             |
| 1924          | 801                                  | 232,408                   | 1,913,477                 | 629,252     | 970,806             | 1,070,748    | 524,302      | 76,652    | 390,128             |
| 1925          | 854                                  | 259,233                   | 2,092,499                 | 700,462     | 1,050,676           | 1,188,087    | 559,931      | 81,430    | 410,427             |
| 1926          | 860                                  | 278,498                   | 2,248,197                 | 733,954     | 1,110,895           | 1,228,390    | 581,234      | 92,897    | 447,935             |
| 1927          | 870                                  | 315,689                   | 2,503,063                 | 908,405     | 1,108,434           | 1,250,386    | 544,254      | 99,230    | 448,983             |
| 1928          | 886                                  | 385,931                   | 2,567,832                 | 1,124,478   | 1,181,956           | 1,371,028    | 531,536      | 107,393   | 459,429             |
| 1929          | 931                                  | 441,445                   | 3,084,057                 | 1,235,047   | 1,179,632           | 1,438,222    | 541,801      | 118,648   | 506,242             |
| 1930          | 904                                  | 448,151                   | 2,834,708                 | 1,077,819   | 1,071,537           | 1,217,705    | 583,461      | 127,077   | 493,342             |
| 1931          | 903                                  | 418,375                   | 2,640,863                 | 802,323     | 926,252             | 1,088,413    | 529,076      | 119,991   | 456,489             |
| 1932          | 683                                  | 336,610                   | 2,484,357                 | 738,406     | 795,940             | 1,004,089    | 445,989      | 104,356   | 490,445             |
| 1933          | 672                                  | 331,831                   | 2,229,590                 | 805,494     | 734,467             | 831,982      | 328,510      | 93,720    | 450,992             |
| 1934          | 726                                  | 332,330                   | 2,273,866                 | 970,537     | 802,870             | 910,047      | 331,371      | 107,951   | 419,393             |
|               | Lloyd's and interinsurance companies |                           |                           |             |                     | Total        |              |           |                     |
|               | Number of associations               | Net premiums              | Total income              | Losses      | Total disbursements | Net premiums | Total income | Losses    | Total disbursements |
| 1905          | 37                                   | 3,029                     | 3,338                     | 1,371       | 2,508               | 273,417      | 296,333      | 126,296   | 243,620             |
| 1910          | 31                                   | 3,831                     | 4,111                     | 1,644       | 3,744               | 267,134      | 295,645      | 125,336   | 256,681             |
| 1915          | 45                                   | 12,003                    | 12,634                    | 4,470       | 9,609               | 451,365      | 471,996      | 226,171   | 415,549             |
| 1918          | 95                                   | 20,874                    | 21,686                    | 10,470      | 18,174              | 737,854      | 794,376      | 349,391   | 646,863             |
| 1919          | 105                                  | 23,067                    | 24,146                    | 8,739       | 18,909              | 833,948      | 905,312      | 344,308   | 702,367             |
| 1920          | 137                                  | 24,946                    | 29,164                    | 10,403      | 20,481              | 1,020,242    | 1,102,789    | 461,873   | 907,245             |
| 1921          | 121                                  | 25,884                    | 32,777                    | 13,921      | 29,073              | 861,770      | 948,999      | 528,675   | 951,997             |
| 1922          | 125                                  | 30,056                    | 32,637                    | 13,282      | 29,070              | 881,313      | 972,106      | 490,398   | 917,700             |
| 1923          | 116                                  | 35,715                    | 37,831                    | 14,809      | 33,210              | 914,622      | 1,040,007    | 519,003   | 996,598             |
| 1924          | 140                                  | 40,706                    | 50,768                    | 21,558      | 44,037              | 1,017,512    | 1,121,517    | 546,159   | 1,035,119           |
| 1925          | 134                                  | 43,370                    | 45,120                    | 21,110      | 42,474              | 1,094,046    | 1,233,207    | 581,041   | 1,103,262           |
| 1926          | 121                                  | 45,866                    | 49,085                    | 22,274      | 43,141              | 1,156,261    | 1,277,455    | 603,507   | 1,155,236           |
| 1927          | 111                                  | 40,459                    | 50,085                    | 22,385      | 44,233              | 1,154,922    | 1,309,471    | 566,639   | 1,136,700           |
| 1928          | 110                                  | 51,218                    | 58,262                    | 22,785      | 47,905              | 1,153,174    | 1,450,189    | 554,318   | 1,156,264           |
| 1929          | 104                                  | 47,798                    | 55,194                    | 22,127      | 46,736              | 1,227,428    | 1,493,416    | 593,928   | 1,213,428           |
| 1930          | 92                                   | 43,863                    | 48,938                    | 21,529      | 46,594              | 1,115,400    | 1,260,543    | 604,990   | 1,250,474           |
| 1931          | 78                                   | 36,351                    | 39,528                    | 19,450      | 41,517              | 965,604      | 1,127,941    | 548,556   | 1,127,073           |
| 1932          | 58                                   | 28,586                    | 31,627                    | 15,286      | 36,381              | 824,528      | 1,035,715    | 452,275   | 1,087,172           |
| 1933          | 49                                   | 25,421                    | 28,311                    | 11,902      | 28,899              | 759,887      | 860,283      | 340,472   | 902,122             |
| 1934          | 58                                   | 31,025                    | 34,082                    | 13,279      | 30,813              | 833,894      | 944,128      | 344,649   | 889,529             |

<sup>1</sup> Exclusive of premium notes.

<sup>2</sup> Number of companies reporting.

<sup>3</sup> Premiums of 84 associations.

<sup>4</sup> Income of 38 associations.

<sup>5</sup> Losses paid and total disbursements of 89 associations.

<sup>6</sup> Figures for 1919 cover the business of 95 associations; 1920, 101; 1921, 108; 1922, 105; 1923, 108; 1924, 133; 1925, 110; 1926, 115; 1927, 106; 1928, 108; 1930, 90; and 1931, 70.

Source: Insurance Yearbook of the Spectator Co., New York City.

**No. 309.—FIRE AND LIGHTNING INSURANCE: BUSINESS TRANSACTED BY MEMBERS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS, CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS**

[All money figures, except average annual rate of premium, in millions and tenths of millions of dollars]

|                                                 | 1920  | 1925  | 1930  | 1932  | 1933  | 1934  | 1935  |
|-------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Number of companies, total.....                 | 169   | 210   | 239   | 212   | 210   | 200   | 196   |
| United States companies.....                    | 124   | 165   | 199   | 174   | 172   | 183   | 160   |
| Foreign companies.....                          | 45    | 45    | 40    | 38    | 38    | 37    | 36    |
| Net premiums written.....                       | 533.9 | 644.3 | 584.0 | 450.5 | 405.2 | 384.4 | 381.0 |
| Net premiums earned.....                        | 450.9 | 599.0 | 614.7 | 508.0 | 457.0 | 395.6 | 380.5 |
| Net losses paid.....                            | 226.0 | 351.1 | 329.4 | 272.1 | 185.7 | 174.0 | 137.0 |
| Net losses incurred.....                        | 246.1 | 354.1 | 329.7 | 273.0 | 178.8 | 158.7 | 135.0 |
| Net expenses.....                               | 219.5 | 281.2 | 304.0 | 237.6 | 214.4 | 184.3 | 189.4 |
| Taxes.....                                      | 27.6  | 20.1  | 29.7  | 18.4  | 15.8  | 16.0  | 19.1  |
| Percent of—                                     |       |       |       |       |       |       |       |
| Net losses incurred to net premiums earned..... | 54.6  | 59.1  | 53.6  | 53.7  | 39.1  | 40.1  | 35.4  |
| Net expenses to net premiums earned.....        | 48.7  | 46.9  | 49.4  | 46.8  | 46.9  | 47.8  | 49.7  |
| Net expenses to net premiums written.....       | 41.1  | 43.6  | 52.0  | 52.7  | 52.1  | 47.9  | 49.1  |
| Taxes to net premiums written.....              | 5.2   | 3.1   | 5.1   | 4.1   | 3.9   | 4.1   | 5.0   |

**No. 310.—FIRE LOSSES: TOTAL AND PER CAPITA, CONTINENTAL UNITED STATES**

NOTE.—Amounts, except per capita, in thousands of dollars. Prior to 1916, figures are as compiled by the New York Journal of Commerce and include losses of \$10,000 or over in the principal cities of the United States, adding 15 percent for small and unreported losses. These figures are not comparable with those shown for later years (the 1916 Journal of Commerce figure being \$214,531,000 as against \$258,378,000) which cover all fires reported to the Actuarial Bureau Committee, adding 25 percent for unreported and uninsured losses

| Year           | Loss    | Year      | Loss    | Year      | Loss     | Year      | Loss    |
|----------------|---------|-----------|---------|-----------|----------|-----------|---------|
| 1876-1880..... | 69,912  | 1897..... | 116,355 | 1910..... | 214,003  | 1923..... | 535,373 |
| 1881-1885..... | 95,753  | 1898..... | 130,594 | 1911..... | 217,005  | 1924..... | 549,062 |
| 1886.....      | 104,925 | 1899..... | 153,598 | 1912..... | 209,439  | 1925..... | 559,418 |
| 1887.....      | 120,283 | 1900..... | 160,930 | 1913..... | 203,764  | 1926..... | 561,981 |
| 1888.....      | 110,886 | 1901..... | 165,818 | 1914..... | 221,439  | 1927..... | 472,934 |
| 1889.....      | 123,047 | 1902..... | 161,078 | 1915..... | 172,033  | 1928..... | 464,607 |
| 1890.....      | 108,994 | 1903..... | 145,302 | 1916..... | 1258,378 | 1929..... | 459,446 |
| 1891.....      | 143,765 | 1904..... | 229,198 | 1917..... | 289,635  | 1930..... | 501,981 |
| 1892.....      | 151,515 | 1905..... | 165,222 | 1918..... | 353,879  | 1931..... | 451,644 |
| 1893.....      | 167,544 | 1906..... | 518,612 | 1919..... | 320,540  | 1932..... | 400,859 |
| 1894.....      | 140,006 | 1907..... | 215,085 | 1920..... | 447,887  | 1933..... | 271,453 |
| 1895.....      | 142,110 | 1908..... | 217,886 | 1921..... | 495,406  | 1934..... | 271,197 |
| 1896.....      | 118,737 | 1909..... | 188,705 | 1922..... | 506,541  | 1935..... | 248,793 |

| Year      | Cities reporting actual loss |                        |                             |                 | Total United States                 |                |                              |
|-----------|------------------------------|------------------------|-----------------------------|-----------------|-------------------------------------|----------------|------------------------------|
|           | Number of cities             | Population (thousands) | Actual reported loss, total | Loss per capita | Population (thousands) <sup>2</sup> | Estimated loss | Loss per capita <sup>1</sup> |
| 1925..... | 370                          | 45,297                 | 160,012                     | 3.53            | 114,887                             | 559,418        | 4.87                         |
| 1926..... | 377                          | 53,244                 | 178,179                     | 3.36            | 116,532                             | 561,981        | 4.82                         |
| 1927..... | 406                          | 51,292                 | 144,019                     | 2.82            | 118,197                             | 472,934        | 4.00                         |
| 1928..... | 445                          | 51,836                 | 140,038                     | 2.70            | 119,862                             | 464,607        | 3.88                         |
| 1929..... | 473                          | 53,411                 | 145,059                     | 2.72            | 121,526                             | 459,446        | 3.78                         |
| 1930..... | 454                          | 50,206                 | 150,981                     | 3.01            | 123,091                             | 501,980        | 4.08                         |
| 1931..... | 454                          | 51,084                 | 125,934                     | 2.47            | 124,113                             | 451,643        | 3.64                         |
| 1932..... | 458                          | 51,295                 | 113,947                     | 2.22            | 124,974                             | 400,859        | 3.21                         |
| 1933..... | 461                          | 51,553                 | 77,688                      | 1.51            | 125,770                             | 271,453        | 2.16                         |
| 1934..... | 468                          | 51,179                 | 82,770                      | 1.59            | 126,625                             | 271,197        | 2.14                         |
| 1935..... | 469                          | 53,184                 | 69,720                      | 1.33            | 127,521                             | 248,793        | 1.95                         |

<sup>1</sup> See headnote.

<sup>2</sup> Population figures are estimates by the Bureau of the Census. Per capita loss is based on these estimates.

Sources: Table 309 prior to 1931, Insurance Yearbook of the Spectator Co.; table 309 beginning 1931 and table 310, National Board of Fire Underwriters, except as noted.



# **No. 311.—LIFE INSURANCE: SUMMARY OF FINANCIAL CONDITION AND POLICY ACCOUNT OF UNITED STATES COMPANIES**

NOTE.—Figures include domestic and foreign business of United States companies but do not include operations of the Veterans' Bureau (see pp. 153 and 184), or United States business of foreign companies

[All figures, except number of policies, in millions of dollars]

| Year | Assets (admitted) Dec. 31 | Liabilities, <sup>1</sup> Dec. 31 | Total income | Premium income | Payments to policyholders | Insurance written and paid for during year |            | Policies in force Dec. 31 |            |         |                       |            |
|------|---------------------------|-----------------------------------|--------------|----------------|---------------------------|--------------------------------------------|------------|---------------------------|------------|---------|-----------------------|------------|
|      |                           |                                   |              |                |                           | Ordinary <sup>2</sup>                      | Industrial | Number (thousands)        |            | Amount  |                       |            |
|      |                           |                                   |              |                |                           |                                            |            | Ordinary <sup>2</sup>     | Industrial | Total   | Ordinary <sup>2</sup> | Industrial |
| 1850 |                           |                                   |              |                |                           |                                            |            | 29                        |            | 69      | 69                    |            |
| 1860 |                           |                                   |              |                |                           |                                            |            | 80                        |            | 180     | 180                   |            |
| 1870 |                           |                                   |              |                |                           |                                            |            | 839                       |            | 2,283   | 2,283                 |            |
| 1880 | 453                       |                                   | 81           | 56             |                           |                                            |            | 686                       | 237        | 1,602   | 1,582                 | 21         |
| 1890 | 771                       | 679                               | 107          | 90             | 742                       | 242                                        |            | 1,320                     | 3,883      | 4,060   | 3,621                 | 429        |
| 1900 | 1,742                     | 1,493                             | 401          | 326            | 169                       | 1,280                                      | 668        | 3,176                     | 11,219     | 8,561   | 7,063                 | 1,468      |
| 1905 | 2,706                     | 2,373                             | 642          | 516            | 266                       | 1,726                                      | 661        | 5,621                     | 16,878     | 13,304  | 11,054                | 2,310      |
| 1908 | 3,380                     | 2,989                             | 704          | 546            | 330                       | 1,460                                      | 594        | 6,165                     | 19,088     | 14,519  | 11,850                | 2,669      |
| 1909 | 3,644                     | 3,170                             | 748          | 565            | 361                       | 1,666                                      | 793        | 6,535                     | 21,562     | 16,420  | 12,452                | 2,968      |
| 1910 | 3,876                     | 3,386                             | 781          | 593            | 387                       | 1,822                                      | 735        | 6,904                     | 23,034     | 18,404  | 13,227                | 3,177      |
| 1911 | 4,164                     | 3,646                             | 836          | 632            | 414                       | 2,079                                      | 773        | 7,669                     | 24,718     | 18,003  | 14,678                | 3,424      |
| 1912 | 4,409                     | 3,880                             | 893          | 673            | 449                       | 2,240                                      | 842        | 8,169                     | 26,696     | 19,265  | 15,556                | 3,709      |
| 1913 | 4,659                     | 4,136                             | 946          | 715            | 470                       | 2,550                                      | 850        | 8,775                     | 29,432     | 20,564  | 16,587                | 3,977      |
| 1914 | 4,935                     | 4,365                             | 985          | 746            | 509                       | 2,457                                      | 838        | 9,045                     | 31,159     | 21,589  | 17,426                | 4,164      |
| 1915 | 5,190                     | 4,938                             | 1,043        | 784            | 545                       | 2,621                                      | 974        | 9,890                     | 33,142     | 22,784  | 18,349                | 4,435      |
| 1916 | 5,537                     | 5,253                             | 1,118        | 848            | 566                       | 3,213                                      | 999        | 10,608                    | 35,675     | 24,679  | 19,868                | 4,811      |
| 1917 | 5,941                     | 5,634                             | 1,249        | 929            | 590                       | 3,840                                      | 1,051      | 11,582                    | 38,764     | 27,189  | 21,966                | 5,223      |
| 1918 | 6,476                     | 6,202                             | 1,325        | 994            | 710                       | 3,088                                      | 1,143      | 12,768                    | 41,862     | 29,870  | 24,167                | 5,703      |
| 1919 | 6,759                     | 6,432                             | 1,560        | 1,207          | 739                       | 7,010                                      | 1,305      | 15,716                    | 51,295     | 35,880  | 29,273                | 6,607      |
| 1920 | 7,320                     | 6,989                             | 1,764        | 1,385          | 746                       | 8,400                                      | 1,615      | 16,695                    | 49,806     | 42,281  | 35,002                | 7,190      |
| 1921 | 7,936                     | 7,548                             | 1,951        | 1,537          | 873                       | 8,787                                      | 1,943      | 17,685                    | 54,097     | 45,983  | 37,977                | 8,006      |
| 1922 | 8,652                     | 8,124                             | 2,149        | 1,686          | 938                       | 7,506                                      | 2,268      | 18,814                    | 58,283     | 50,291  | 41,404                | 8,887      |
| 1923 | 9,455                     | 8,902                             | 2,427        | 1,900          | 1,088                     | 9,455                                      | 2,615      | 20,534                    | 63,461     | 56,804  | 46,696                | 10,107     |
| 1924 | 10,394                    | 9,799                             | 2,703        | 2,122          | 1,174                     | 10,152                                     | 3,043      | 22,092                    | 68,248     | 63,780  | 52,436                | 11,344     |
| 1925 | 11,538                    | 10,867                            | 3,018        | 2,384          | 1,243                     | 11,817                                     | 3,666      | 23,894                    | 73,736     | 71,690  | 58,896                | 12,824     |
| 1926 | 12,940                    | 12,177                            | 3,330        | 2,624          | 1,373                     | 12,413                                     | 4,048      | 25,501                    | 77,665     | 79,644  | 65,457                | 14,187     |
| 1927 | 14,362                    | 13,539                            | 3,673        | 2,874          | 1,500                     | 12,671                                     | 4,466      | 27,146                    | 82,248     | 87,022  | 71,474                | 15,548     |
| 1928 | 15,961                    | 15,043                            | 4,098        | 3,146          | 1,699                     | 14,168                                     | 4,505      | 29,161                    | 85,844     | 95,206  | 78,521                | 16,686     |
| 1929 | 17,482                    | 16,507                            | 4,337        | 3,360          | 1,962                     | 14,529                                     | 4,738      | 31,339                    | 89,415     | 103,146 | 85,244                | 17,902     |
| 1930 | 18,880                    | 17,662                            | 4,594        | 3,524          | 2,247                     | 14,160                                     | 4,860      | 32,776                    | 89,436     | 107,948 | 89,661                | 18,287     |
| 1931 | 20,160                    | 19,116                            | 4,860        | 3,661          | 2,607                     | 12,379                                     | 4,847      | 33,531                    | 88,228     | 108,886 | 90,611                | 18,274     |
| 1932 | 20,754                    | 19,774                            | 4,653        | 3,504          | 3,087                     | 9,721                                      | 4,793      | 32,818                    | 82,945     | 103,154 | 85,889                | 17,265     |
| 1933 | 20,896                    | 19,886                            | 4,622        | 3,322          | 3,016                     | 9,114                                      | 4,673      | 31,052                    | 81,517     | 97,985  | 80,831                | 17,154     |
| 1934 | 21,844                    | 20,813                            | 4,786        | 3,521          | 2,705                     | 9,395                                      | 4,885      | 32,643                    | 82,579     | 98,542  | 80,892                | 17,651     |
| 1935 | 23,216                    | 22,220                            | 5,072        | 3,692          | 2,535                     | 9,417                                      | 4,722      | 33,399                    | 83,971     | 100,730 | 82,433                | 18,298     |

<sup>1</sup>Not including unapportioned surplus and capital and prior to 1915 also apportioned surplus. For amount of the latter item in recent years see table 312.

<sup>2</sup>Includes group business.

Source: Prior to 1890 Frederick L. Hoffman, Insurance statistician, Newark, N. J.; 1890 and subsequent years, the Insurance Yearbook of the Spectator Co., New York, N. Y.

## **No. 312.—LIFE INSURANCE: FINANCIAL CONDITION AND BUSINESS OF UNITED STATES COMPANIES**

NOTE.—All money figures in thousands of dollars. See headnote, table 311. See also table 311 for 1935 data for principal items

|                                  | 1900    | 1910    | 1920      | 1930      | 1932      | 1933      | 1934      |
|----------------------------------|---------|---------|-----------|-----------|-----------|-----------|-----------|
| Number of companies              | 76      | 214     | 272       | 352       | 328       | 318       | 313       |
| Capital stock, Dec. 31           | 12,832  | 40,545  | 66,905    | 176,943   | 161,920   | 149,353   | 147,944   |
| Income, total                    | 400,603 | 781,011 | 1,764,213 | 4,698,973 | 4,653,396 | 4,622,292 | 4,785,985 |
| Premium income, total            | 324,724 | 593,888 | 1,384,939 | 3,524,327 | 3,504,256 | 3,321,798 | 3,520,884 |
| New premiums                     | 62,276  | 70,180  | 274,478   | 385,067   | 290,105   | 240,077   | 290,849   |
| Renewals                         | 268,142 | 517,636 | 1,099,740 | 3,031,537 | 3,024,094 | 2,816,384 | 2,816,601 |
| Annuities                        | 6,306   | 5,672   | 10,721    | 107,723   | 190,057   | 265,337   | 414,134   |
| Interest and other income, total | 75,879  | 187,623 | 379,274   | 1,069,646 | 1,149,140 | 1,300,494 | 1,265,001 |
| Interest, dividends, etc.        | 64,949  | 160,514 | 324,370   | 853,188   | 885,189   | 824,436   | 861,305   |
| Rents                            | 8,225   | 10,310  | 18,312    | 37,262    | 45,764    | 62,902    | 99,715    |
| Other                            | 2,706   | 16,799  | 36,592    | 179,196   | 218,186   | 413,156   | 363,980   |

<sup>1</sup>Includes disability and double indemnity receipts and payments.

## No. 312.—LIFE INSURANCE: FINANCIAL CONDITION AND BUSINESS OF UNITED STATES COMPANIES—Continued

|                                                           | 1900      | 1910       | 1920       | 1930        | 1932        | 1933       | 1934       |
|-----------------------------------------------------------|-----------|------------|------------|-------------|-------------|------------|------------|
| <b>Expenditures, total</b> .....                          | 267,580   | 640,342    | 1,198,366  | 3,198,597   | 3,997,698   | 3,917,431  | 3,661,719  |
| Paid to policyholders.....                                | 168,688   | 387,302    | 744,649    | 2,246,776   | 3,087,014   | 3,016,434  | 2,704,947  |
| Death losses.....                                         | 100,721   | 180,854    | 349,964    | 855,745     | 905,267     | 877,065    | 875,388    |
| Matured endowments.....                                   | 18,335    | 48,349     | 101,181    | 112,027     | 122,601     | 121,064    | 129,420    |
| Annuities <sup>1</sup> .....                              | 4,122     | 7,426      | 16,897     | 111,124     | 150,338     | 162,259    | 184,602    |
| Surrendered policies, etc.....                            | 22,650    | 77,518     | 119,091    | 614,223     | 1,346,113   | 1,356,613  | 1,077,823  |
| Dividends.....                                            | 22,860    | 75,354     | 157,547    | 553,668     | 562,694     | 499,443    | 437,706    |
| Other expenditures.....                                   | 98,892    | 153,040    | 453,717    | 951,781     | 910,685     | 900,997    | 956,772    |
| To agents, commissions, salaries, traveling expenses..... | 61,282    | 87,629     | 257,822    | 497,549     | 398,817     | 358,520    | 387,817    |
| Medical fees, salaries, other employee costs.....         | 13,034    | 26,037     | 61,566     | 134,253     | 136,253     | 126,991    | 130,882    |
| Dividends to stockholders.....                            | 1,028     | 2,140      | 5,308      | 21,917      | 13,971      | 9,073      | 11,621     |
| Other.....                                                | 23,548    | 37,235     | 129,021    | 298,042     | 361,644     | 406,414    | 426,452    |
| <b>Admitted assets, Dec. 31, total</b> .....              | 1,742,414 | 3,875,877  | 7,319,997  | 18,879,811  | 20,754,112  | 20,895,726 | 21,843,794 |
| Real estate.....                                          | 158,119   | 172,961    | 172,011    | 547,562     | 933,948     | 1,294,389  | 1,689,083  |
| Real estate mortgages.....                                | 501,499   | 1,227,232  | 2,174,863  | 7,577,944   | 7,316,093   | 6,681,652  | 5,856,610  |
| Stocks owned.....                                         | 794,632   | 129,622    | 51,356     | 465,951     | 523,564     | 439,955    | 437,883    |
| Bonds owned.....                                          | 7,191     | 1,659,845  | 3,588,728  | 6,352,333   | 6,766,925   | 7,117,321  | 8,460,289  |
| Collateral loans.....                                     | 64,489    | 18,941     | 41,301     | 31,008      | 23,649      | 19,503     | 15,080     |
| Premium notes and loans.....                              | 88,501    | 495,100    | 858,915    | 2,807,012   | 3,805,752   | 3,760,356  | 3,657,775  |
| Net deferred and unpaid premiums.....                     | 33,269    | 50,956     | 120,923    | 439,894     | 461,684     | 440,300    | 456,396    |
| Cash in office and bank.....                              | 75,440    | 71,113     | 124,747    | 152,210     | 323,852     | 451,425    | 613,268    |
| Other.....                                                | 19,276    | 50,107     | 177,152    | 505,690     | 508,645     | 702,845    | 657,410    |
| Asset items not admitted.....                             | 12,249    | 25,186     | 77,424     | 273,453     | 147,561     | 301,856    | 399,309    |
| <b>Liabilities, Dec. 31, total</b> .....                  | 1,493,379 | 3,685,435  | 6,989,309  | 17,862,142  | 19,773,947  | 19,885,328 | 20,313,483 |
| Reserve.....                                              | 1,443,452 | 3,225,966  | 6,337,970  | 16,231,489  | 17,839,178  | 18,076,516 | 19,029,783 |
| Losses and claims unpaid.....                             | 9,263     | 17,072     | 43,116     | 124,964     | 157,346     | 162,445    | 154,482    |
| Claims resisted.....                                      | 999       | 1,779      | 2,475      | 11,446      | 21,431      | 25,092     | 24,602     |
| Dividends unpaid and left to accumulate.....              | 3,598     | 5,533      | 53,048     | 303,345     | 322,717     | 336,930    | 344,008    |
| Surplus apportioned <sup>2</sup> .....                    | (1)       | 354,071    | 412,339    | 807,862     | 963,797     | 816,152    | 792,365    |
| Other.....                                                | 35,466    | 61,014     | 140,361    | 373,466     | 469,478     | 468,193    | 468,292    |
| Surplus (including capital).....                          | 3249,035  | 210,440    | 330,688    | 1,017,470   | 980,038     | 1,010,354  | 1,030,310  |
| Total surplus funds.....                                  | 249,035   | 504,511    | 743,027    | 1,825,383   | 1,943,855   | 1,826,505  | 1,822,676  |
| <b>POLICY ACCOUNT—AMOUNTS</b>                             |           |            |            |             |             |            |            |
| <b>New business written and paid for, total</b> .....     | 1,846,267 | 2,557,053  | 10,105,445 | 19,019,790  | 14,514,284  | 13,756,357 | 14,280,080 |
| Ordinary <sup>3</sup> .....                               | 1,280,265 | 1,822,260  | 8,489,971  | 12,604,029  | 8,911,083   | 8,292,525  | 8,312,739  |
| Group.....                                                | 566,002   | 734,793    | 1,615,474  | 4,860,078   | 4,762,828   | 4,672,898  | 4,884,872  |
| Industrial.....                                           | 714,263   | 1,087,467  | 6,874,497  | 7,743,951   | 4,148,255   | 3,619,627  | 3,427,867  |
| <b>In force Dec. 31, total</b> .....                      | 8,561,949 | 16,404,281 | 42,231,391 | 107,948,275 | 108,154,370 | 97,985,044 | 98,542,411 |
| Ordinary, total <sup>4</sup> .....                        | 7,083,220 | 13,227,213 | 35,091,538 | 79,774,841  | 76,780,238  | 71,918,829 | 71,288,680 |
| Whole life.....                                           | 4,790,345 | 8,811,743  | 25,583,423 | 57,686,405  | 55,163,437  | 51,372,262 | 50,607,696 |
| Endowment.....                                            | 1,664,450 | 3,043,689  | 6,975,433  | 14,310,675  | 14,502,600  | 14,017,587 | 14,497,077 |
| Other.....                                                | 638,425   | 1,371,782  | 2,532,683  | 7,768,760   | 7,114,110   | 6,528,981  | 6,193,907  |
| Group.....                                                | 1,468,028 | 3,177,048  | 7,189,852  | 18,287,408  | 17,265,390  | 17,164,473 | 17,650,700 |
| Industrial.....                                           | 714,263   | 1,087,467  | 6,874,497  | 7,743,951   | 4,148,255   | 3,619,627  | 3,427,867  |
| <b>NUMBER OF POLICIES (thousands)</b>                     |           |            |            |             |             |            |            |
| <b>Written during year, total</b> .....                   | 4,871     | 6,002      | 13,249     | 24,258      | 24,497      | 24,744     | 25,713     |
| Ordinary <sup>5</sup> .....                               | 729       | 993        | 3,924      | 5,384       | 4,721       | 4,904      | 4,998      |
| Group.....                                                | 3,942     | 5,009      | 9,325      | 18,856      | 19,771      | 19,836     | 20,711     |
| Industrial.....                                           | 3,942     | 5,009      | 9,325      | 18,856      | 19,771      | 19,836     | 20,711     |
| <b>In force Dec. 31, total</b> .....                      | 14,395    | 29,999     | 66,489     | 122,213     | 115,763     | 113,470    | 115,222    |
| Ordinary <sup>6</sup> .....                               | 3,176     | 6,964      | 16,695     | 32,739      | 32,788      | 31,925     | 32,622     |
| Group.....                                                | 11,219    | 23,034     | 49,805     | 89,436      | 82,945      | 81,517     | 82,579     |
| Industrial.....                                           | 11,219    | 23,034     | 49,805     | 89,436      | 82,945      | 81,517     | 82,579     |

<sup>1</sup> Includes disability and double indemnity receipts and payments.<sup>2</sup> Does not include loading on deferred and uncollected premiums included in 1920 and earlier years.<sup>3</sup> Comprises dividends apportioned and amounts set apart on deferred dividend policies and contingency and other special reserves.<sup>4</sup> "Surplus apportioned" included in "Surplus, including capital."<sup>5</sup> Includes "Group" prior to 1930.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

# No. 313.—LIFE INSURANCE ISSUED AND TERMINATED: UNITED STATES COMPANIES

[Number of policies in thousands, amounts in thousands of dollars. See headnote, table 311]

|                       | New<br>business <sup>1</sup> | Terminations |         |               |           |                |           |           |                 |
|-----------------------|------------------------------|--------------|---------|---------------|-----------|----------------|-----------|-----------|-----------------|
|                       |                              | Total        | Death   | Matur-<br>ity | Expiry    | Surren-<br>der | Lapse     | Change    | Disa-<br>bility |
| ORDINARY <sup>2</sup> |                              |              |         |               |           |                |           |           |                 |
| Number:               |                              |              |         |               |           |                |           |           |                 |
| 1932-----             | 4,726                        | 5,160        | 257     | 97            | 828       | 1,559          | 2,398     | 16        | 5               |
| 1933-----             | 4,908                        | 4,899        | 252     | 97            | 910       | 1,585          | 2,027     | 14        | 5               |
| 1934-----             | 5,002                        | 4,229        | 258     | 101           | 855       | 1,243          | 1,755     | 13        | 4               |
| 1935-----             | 4,798                        | 3,899        | 261     | 110           | 815       | 944            | 1,714     | 53        | 4               |
| Amount:               |                              |              |         |               |           |                |           |           |                 |
| 1932-----             | 9,721,456                    | 13,926,427   | 794,563 | 110,118       | 1,574,790 | 4,432,310      | 5,274,202 | 1,715,610 | 27,874          |
| 1933-----             | 9,113,969                    | 12,126,262   | 782,358 | 107,608       | 1,841,447 | 4,395,927      | 4,018,033 | 974,610   | 26,374          |
| 1934-----             | 9,395,208                    | 9,271,289    | 756,086 | 109,827       | 1,489,534 | 3,205,870      | 3,082,311 | 591,514   | 35,347          |
| 1935-----             | 9,416,743                    | 7,868,404    | 751,877 | 116,871       | 1,273,327 | 2,348,376      | 2,872,602 | 484,626   | 18,784          |
| INDUSTRIAL            |                              |              |         |               |           |                |           |           |                 |
| Number:               |                              |              |         |               |           |                |           |           |                 |
| 1932-----             | 19,771                       | 25,092       | 803     | 131           | 266       | 6,440          | 17,445    | 5         | (3)             |
| 1933-----             | 19,836                       | 21,367       | 773     | 128           | 275       | 5,214          | 14,965    | 13        | (3)             |
| 1934-----             | 20,711                       | 19,978       | 796     | 194           | 383       | 4,265          | 14,339    | 1         | (3)             |
| 1935-----             | 19,550                       | 18,080       | 787     | 248           | 1,479     | 4,030          | 11,510    | 26        | (3)             |
| Amount:               |                              |              |         |               |           |                |           |           |                 |
| 1932-----             | 4,792,828                    | 5,810,955    | 153,755 | 13,059        | 82,194    | 1,261,672      | 4,187,937 | 112,291   | 137             |
| 1933-----             | 4,672,898                    | 4,796,907    | 148,863 | 13,083        | 92,617    | 1,147,972      | 3,397,035 | 27,217    | 121             |
| 1934-----             | 4,884,872                    | 4,428,063    | 153,570 | 20,570        | 127,340   | 983,691        | 3,127,574 | 15,190    | 128             |
| 1935-----             | 4,721,876                    | 4,086,203    | 153,720 | 28,814        | 411,840   | 944,984        | 2,534,097 | 12,086    | 53              |

<sup>1</sup> Includes all new issues, old policies revived or increased, and additions by dividends.

<sup>2</sup> Including group.

<sup>3</sup> Less than 500.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

# No. 314.—LIFE INSURANCE: OPERATIONS OF UNITED STATES COMPANIES, FROM ORGANIZATION TO JAN. 1, 1935

NOTE.—Figures include domestic and foreign business of United States companies, but do not include operations of the Veterans' Bureau (see pp. 153 and 164), or United States business of foreign companies)

[All figures, except number of policies, in thousands of dollars]

|                                                            | Total       | Ordinary companies | Industrial companies |
|------------------------------------------------------------|-------------|--------------------|----------------------|
| Total insurance issued since organization:                 |             |                    |                      |
| Number of policies (thousands)-----                        | 468,547     | 195,697            | 272,850              |
| Amount-----                                                | 292,125,762 | 217,939,100        | 74,186,662           |
| Insurance in force Jan. 1, 1935:                           |             |                    |                      |
| Number of policies (thousands)-----                        | 115,222     | 132,643            | 82,579               |
| Amount-----                                                | 98,542,411  | 80,891,703         | 17,660,709           |
| Receipts since organization, total-----                    | 72,190,965  | 47,749,288         | 24,441,677           |
| Premium and annuity-----                                   | 55,439,510  | 35,376,991         | 20,062,520           |
| Interest, rents, etc.-----                                 | 16,751,455  | 12,372,298         | 4,379,157            |
| Payments to policyholders since organization, total-----   | 35,738,769  | 25,101,457         | 10,637,312           |
| Death claims-----                                          | 14,368,711  | 9,887,235          | 4,481,476            |
| Endowments and annuities <sup>3</sup> -----                | 4,116,802   | 2,908,986          | 1,117,816            |
| Purchased policies, surrender values-----                  | 9,444,784   | 6,425,478          | 3,019,306            |
| Dividends to policyholders-----                            | 7,808,471   | 5,789,758          | 2,018,713            |
| Admitted assets, Jan. 1, 1935-----                         | 21,843,794  | 13,621,259         | 8,222,535            |
| Capital, apportioned funds, and surplus, Jan. 1, 1935----- | 1,822,876   | 1,037,014          | 785,661              |

<sup>1</sup> Includes group business and ordinary and group business of industrial companies.

<sup>2</sup> Industrial business only.

<sup>3</sup> Includes disability and double indemnity.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

# **No. 315.—LIFE INSURANCE: ORDINARY AND INDUSTRIAL INSURANCE WRITTEN AND IN FORCE, BY STATES**

NOTE.—Figures cover business transacted in Continental United States, including United States business of Canadian companies. They include data for some small companies which confine their business to the State in which they domicile, and usually to several small cities, which are not included in tables 311 to 314. Further differences between totals in this table and in the preceding tables are due to duplications from reinsurance

| Division and State                | Ordinary (including group) |                   |                   |                   | Industrial       |                  |                   |                   |
|-----------------------------------|----------------------------|-------------------|-------------------|-------------------|------------------|------------------|-------------------|-------------------|
|                                   | Written                    |                   | In force Dec. 31  |                   | Written          |                  | In force Dec. 31  |                   |
|                                   | 1933                       | 1934              | 1933              | 1934              | 1933             | 1934             | 1933              | 1934              |
| <b>Continental United States:</b> | <b>8,584,642</b>           | <b>11,101,600</b> | <b>78,557,400</b> | <b>79,782,892</b> | <b>4,788,041</b> | <b>4,766,684</b> | <b>18,575,527</b> | <b>17,038,594</b> |
| <b>New England</b> .....          | <b>729,235</b>             | <b>740,875</b>    | <b>6,322,774</b>  | <b>6,328,417</b>  | <b>487,991</b>   | <b>499,318</b>   | <b>1,983,225</b>  | <b>1,981,207</b>  |
| Maine.....                        | 40,838                     | 46,907            | 443,114           | 436,107           | 27,616           | 24,812           | 107,833           | 108,716           |
| New Hampshire.....                | 40,478                     | 32,910            | 278,885           | 283,792           | 20,034           | 19,301           | 85,938            | 86,841            |
| Vermont.....                      | 19,009                     | 20,365            | 214,418           | 211,441           | 10,877           | 10,457           | 41,111            | 41,573            |
| Massachusetts.....                | 302,934                    | 301,257           | 3,426,579         | 3,421,703         | 281,940          | 245,984          | 1,091,128         | 1,037,320         |
| Rhode Island.....                 | 58,514                     | 50,570            | 508,193           | 508,576           | 49,402           | 45,616           | 209,315           | 200,445           |
| Connecticut.....                  | 170,174                    | 188,869           | 1,451,585         | 1,466,793         | 97,522           | 92,148           | 428,780           | 436,812           |
| <b>Middle Atlantic</b> .....      | <b>2,794,483</b>           | <b>3,138,488</b>  | <b>25,548,782</b> | <b>25,542,189</b> | <b>1,451,940</b> | <b>1,453,108</b> | <b>6,777,530</b>  | <b>6,837,407</b>  |
| New York.....                     | 1,570,421                  | 1,769,472         | 15,003,277        | 14,900,008        | 726,263          | 725,746          | 3,526,465         | 3,524,912         |
| New Jersey.....                   | 422,519                    | 471,807           | 3,237,928         | 3,295,307         | 260,131          | 274,886          | 1,233,658         | 1,252,494         |
| Pennsylvania.....                 | 801,553                    | 907,209           | 7,308,577         | 7,346,854         | 465,548          | 452,976          | 2,017,377         | 2,060,001         |
| <b>East North Central</b> .....   | <b>2,332,998</b>           | <b>3,093,511</b>  | <b>18,162,540</b> | <b>18,451,682</b> | <b>922,990</b>   | <b>906,612</b>   | <b>3,419,477</b>  | <b>3,546,757</b>  |
| Ohio.....                         | 598,805                    | 711,116           | 5,016,571         | 5,052,759         | 313,903          | 285,555          | 1,086,436         | 1,118,503         |
| Indiana.....                      | 233,969                    | 303,995           | 1,705,533         | 1,708,616         | 133,566          | 142,415          | 485,828           | 506,955           |
| Illinois.....                     | 313,832                    | 1,022,707         | 6,598,719         | 6,714,009         | 291,947          | 296,229          | 1,141,350         | 1,172,990         |
| Michigan.....                     | 518,795                    | 856,963           | 3,004,781         | 3,156,465         | 129,698          | 126,747          | 457,617           | 492,979           |
| Wisconsin.....                    | 167,597                    | 198,807           | 1,835,936         | 1,821,833         | 53,276           | 55,666           | 248,246           | 256,330           |
| <b>West North Central</b> .....   | <b>983,724</b>             | <b>1,026,280</b>  | <b>7,972,579</b>  | <b>7,835,100</b>  | <b>268,738</b>   | <b>245,650</b>   | <b>933,125</b>    | <b>950,922</b>    |
| Minnesota.....                    | 172,153                    | 183,036           | 1,763,434         | 1,728,078         | 32,435           | 33,450           | 152,955           | 166,727           |
| Iowa.....                         | 142,935                    | 166,550           | 1,476,941         | 1,442,643         | 26,134           | 26,288           | 109,809           | 113,337           |
| Missouri.....                     | 348,379                    | 366,519           | 2,466,236         | 2,458,489         | 162,710          | 142,986          | 517,363           | 524,668           |
| North Dakota.....                 | 25,550                     | 22,488            | 228,171           | 219,481           | 14               | 12               | 177               | 167               |
| South Dakota.....                 | 26,877                     | 22,158            | 244,467           | 226,579           | 16               | 12               | 191               | 178               |
| Nebraska.....                     | 123,527                    | 116,926           | 890,952           | 868,879           | 14,155           | 13,689           | 53,374            | 54,703            |
| Kansas.....                       | 124,303                    | 147,438           | 902,378           | 895,271           | 28,324           | 29,213           | 99,256            | 101,152           |
| <b>South Atlantic</b> .....       | <b>820,381</b>             | <b>937,110</b>    | <b>6,519,492</b>  | <b>6,612,948</b>  | <b>833,780</b>   | <b>868,636</b>   | <b>1,621,569</b>  | <b>1,748,936</b>  |
| Delaware.....                     | 27,879                     | 39,906            | 280,927           | 291,269           | 15,262           | 16,314           | 64,616            | 66,044            |
| Maryland.....                     | 134,919                    | 136,447           | 1,071,481         | 1,071,591         | 132,130          | 118,704          | 394,614           | 412,434           |
| Dist. of Columbia.....            | 70,754                     | 76,599            | 630,945           | 649,316           | 44,514           | 44,623           | 132,889           | 141,350           |
| Virginia.....                     | 110,991                    | 114,235           | 1,001,699         | 998,894           | 143,526          | 144,981          | 239,862           | 255,662           |
| West Virginia.....                | 97,023                     | 113,868           | 683,335           | 694,454           | 36,459           | 39,811           | 105,628           | 113,341           |
| North Carolina.....               | 123,678                    | 150,676           | 948,981           | 970,521           | 123,332          | 126,258          | 208,871           | 231,542           |
| South Carolina.....               | 61,480                     | 65,468            | 431,397           | 436,473           | 125,705          | 127,378          | 158,089           | 174,686           |
| Georgia.....                      | 121,415                    | 147,201           | 952,785           | 961,382           | 139,685          | 154,190          | 212,080           | 226,839           |
| Florida.....                      | 72,192                     | 92,720            | 517,942           | 539,028           | 73,277           | 96,377           | 104,920           | 127,038           |
| <b>East South Central</b> .....   | <b>380,564</b>             | <b>419,247</b>    | <b>2,925,269</b>  | <b>2,921,249</b>  | <b>343,307</b>   | <b>353,827</b>   | <b>554,892</b>    | <b>596,630</b>    |
| Kentucky.....                     | 107,086                    | 119,997           | 911,071           | 913,996           | 82,428           | 80,289           | 221,800           | 228,125           |
| Tennessee.....                    | 144,559                    | 151,813           | 976,300           | 975,659           | 144,075          | 141,488          | 194,540           | 208,900           |
| Alabama.....                      | 68,267                     | 93,954            | 657,178           | 654,513           | 87,251           | 92,082           | 111,044           | 125,097           |
| Mississippi.....                  | 48,652                     | 53,483            | 380,720           | 377,081           | 29,559           | 33,968           | 27,248            | 34,508            |
| <b>West South Central</b> .....   | <b>658,579</b>             | <b>738,553</b>    | <b>4,389,476</b>  | <b>4,429,775</b>  | <b>285,845</b>   | <b>300,134</b>   | <b>518,419</b>    | <b>563,615</b>    |
| Arkansas.....                     | 63,670                     | 70,773            | 429,657           | 427,951           | 24,243           | 28,701           | 44,688            | 48,062            |
| Louisiana.....                    | 84,332                     | 92,326            | 696,061           | 707,534           | 53,141           | 54,207           | 125,581           | 136,728           |
| Oklahoma.....                     | 119,108                    | 145,962           | 885,402           | 886,592           | 39,438           | 37,873           | 77,916            | 79,657            |
| Texas.....                        | 391,469                    | 430,192           | 2,378,266         | 2,407,698         | 168,526          | 179,553          | 270,234           | 298,568           |
| <b>Mountain</b> .....             | <b>201,113</b>             | <b>235,701</b>    | <b>1,812,396</b>  | <b>1,795,354</b>  | <b>31,084</b>    | <b>31,143</b>    | <b>128,003</b>    | <b>138,730</b>    |
| Montana.....                      | 27,042                     | 24,109            | 250,664           | 241,766           | 5,288            | 5,016            | 12,106            | 12,347            |
| Idaho.....                        | 19,115                     | 22,889            | 170,813           | 171,725           | 1,809            | 1,491            | 6,021             | 6,380             |
| Wyoming.....                      | 12,390                     | 16,420            | 108,438           | 108,422           | 124              | 280              | 803               | 836               |
| Colorado.....                     | 77,665                     | 100,018           | 729,930           | 723,419           | 16,154           | 15,455           | 73,035            | 75,076            |
| New Mexico.....                   | 13,968                     | 14,436            | 98,020            | 99,060            | 3,337            | 4,092            | 2,701             | 4,717             |
| Arizona.....                      | 13,416                     | 15,782            | 140,893           | 143,620           | 358              | 327              | 854               | 1,140             |
| Utah.....                         | 33,198                     | 35,747            | 264,302           | 263,069           | 6,482            | 6,445            | 27,074            | 27,728            |
| Nevada.....                       | 4,319                      | 6,300             | 43,351            | 44,273            | 32               | 37               | 304               | 406               |
| <b>Pacific</b> .....              | <b>690,148</b>             | <b>737,425</b>    | <b>5,768,157</b>  | <b>5,784,739</b>  | <b>168,998</b>   | <b>169,138</b>   | <b>661,982</b>    | <b>681,612</b>    |
| Washington.....                   | 116,183                    | 122,739           | 1,006,455         | 996,832           | 22,391           | 22,635           | 91,909            | 94,168            |
| Oregon.....                       | 64,617                     | 72,135            | 582,725           | 576,887           | 6,991            | 6,646            | 31,493            | 34,847            |
| California.....                   | 509,348                    | 552,554           | 4,176,977         | 4,151,020         | 139,614          | 139,857          | 535,580           | 552,597           |

1 Includes small amounts not distributed by States.

Source: Insurance yearbook of the Spectator Co., New York, N. Y.

### No. 316.—LIFE INSURANCE: FINANCIAL CONDITION AND POLICY ACCOUNT OF COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

NOTE.—Data relate to the entire business of all companies authorized to sell life insurance in New York State, which include nearly all the important companies doing business in the United States. United States branches of foreign companies are included

[Number of policies in thousands, amounts in millions and tenths of millions of dollars]

|                                             | 1928     | 1929     | 1930     | 1931     | 1932     | 1933     | 1934     | 1935 <sup>1</sup> |
|---------------------------------------------|----------|----------|----------|----------|----------|----------|----------|-------------------|
| Assets.....                                 | 13,723.7 | 15,015.9 | 16,206.8 | 17,345.2 | 17,937.7 | 18,246.4 | 19,099.9 | 20,332.5          |
| Liabilities <sup>2</sup> .....              | 12,801.1 | 14,060.1 | 15,252.6 | 16,314.1 | 16,792.6 | 17,173.7 | 18,428.3 | 19,620.9          |
| Income, total.....                          | 3,479.1  | 3,734.2  | 3,957.9  | 4,197.2  | 4,111.2  | 3,970.3  | 4,241.3  | 4,480.7           |
| Premium income.....                         | 2,654.4  | 2,820.4  | 2,974.9  | 3,119.9  | 3,012.6  | 2,901.9  | 3,059.3  | 3,195.0           |
| Disbursements, total.....                   | 2,202.5  | 2,492.2  | 2,787.1  | 3,099.4  | 3,540.9  | 3,543.5  | 3,278.5  | 3,223.2           |
| Paid to policyholders <sup>3</sup> .....    | 1,540.2  | 1,782.7  | 2,041.4  | 2,367.5  | 2,783.0  | 2,785.8  | 2,383.3  | 2,253.0           |
| ORDINARY BUSINESS <sup>4</sup>              |          |          |          |          |          |          |          |                   |
| Insurance in force:                         |          |          |          |          |          |          |          |                   |
| Number of policies.....                     | 22,455   | 23,946   | 25,086   | 25,828   | 25,609   | 25,368   | 25,817   | -----             |
| Amount.....                                 | 64,367.4 | 69,886.5 | 73,568.2 | 74,762.7 | 71,477.8 | 68,176.6 | 68,136.2 | 69,350.7          |
| Insurance written and paid for:             |          |          |          |          |          |          |          |                   |
| Number of policies.....                     | 3,178    | 3,498    | 3,566    | 3,508    | 3,273    | 3,237    | 3,392    | -----             |
| Amount.....                                 | 12,046.0 | 13,109.7 | 12,436.8 | 10,578.8 | 8,557.1  | 7,603.9  | 8,676.9  | 8,719.9           |
| Policies terminated:                        |          |          |          |          |          |          |          |                   |
| Number.....                                 | 1,734    | 2,007    | 2,423    | 2,786    | 3,493    | 3,478    | 2,943    | -----             |
| Amount.....                                 | 6,238.2  | 7,590.6  | 8,753.5  | 9,511.4  | 11,835.9 | 10,801.9 | 8,718.1  | 7,512.0           |
| By death, maturity, expiry, and disability: |          |          |          |          |          |          |          |                   |
| Number.....                                 | 563      | 660      | 757      | 876      | 993      | 1,032    | 967      | -----             |
| Amount.....                                 | 1,162.0  | 1,375.4  | 1,555.8  | 1,745.3  | 2,059.8  | 2,360.3  | 1,969.0  | -----             |
| By surrender, lapse, change and decrease:   |          |          |          |          |          |          |          |                   |
| Number.....                                 | 1,171    | 1,347    | 1,663    | 1,911    | 2,500    | 2,416    | 1,975    | -----             |
| Amount.....                                 | 5,076.2  | 6,215.3  | 7,197.7  | 7,766.1  | 9,776.1  | 8,541.6  | 6,749.1  | -----             |

<sup>1</sup> Preliminary figures from unaudited reports; complete data not yet available.

<sup>2</sup> Exclusive of capital, surplus, and special funds.

<sup>3</sup> Includes accident and health claims.

<sup>4</sup> Includes group insurance.

Source: Reports of the Superintendent of Insurance, State of New York.

### No. 317.—LIFE INSURANCE OF FRATERNAL ORDERS IN THE UNITED STATES

NOTE.—Although the number of orders reporting varies considerably, most of the larger orders report regularly, so that the figures are fairly comparable from year to year. Prior to 1920 the figures for the number of orders as given below include all known to be in existence whether reporting or not

[All money figures in millions and tenths of millions of dollars]

| Calendar year | Number of orders | Assets | Liabilities | Income |                           | Disbursements |                 |                              | Amount of insurance written during year | In force at end of year |                                    |
|---------------|------------------|--------|-------------|--------|---------------------------|---------------|-----------------|------------------------------|-----------------------------------------|-------------------------|------------------------------------|
|               |                  |        |             | Total  | Net received from members | Total         | Paid for claims | To agents and for management |                                         | Amount                  | Number of certificates (thousands) |
| 1901.....     | 489              | 29.4   | 8.5         | 81.6   | 72.2                      | 77.3          | 64.1            | 8.9                          | 799.6                                   | 5,656.5                 | 4,519                              |
| 1906.....     | 570              | 64.5   | 11.4        | 95.7   | 91.4                      | 86.2          | 72.6            | 11.3                         | 1,026.3                                 | 8,150.4                 | 6,119                              |
| 1910.....     | 497              | 129.4  | 18.8        | 128.6  | 114.3                     | 110.2         | 92.3            | 16.9                         | 1,331.6                                 | 9,562.5                 | 8,558                              |
| 1915.....     | 472              | 212.8  | 28.0        | 133.3  | 122.3                     | 128.6         | 98.7            | 16.1                         | 922.9                                   | 8,694.4                 | 7,696                              |
| 1920.....     | 1,336            | 326.1  | 55.6        | 181.2  | 165.2                     | 135.8         | 109.6           | 26.2                         | 1,178.0                                 | 8,879.5                 | 8,439                              |
| 1923.....     | 1,227            | 490.9  | 100.8       | 206.6  | 128.1                     | 151.9         | 109.5           | 32.9                         | 795.0                                   | 8,758.6                 | 7,514                              |
| 1924.....     | 1,228            | 565.9  | 110.6       | 216.2  | 186.3                     | 153.3         | 116.4           | 31.8                         | 1,096.8                                 | 9,805.6                 | 12,514                             |
| 1925.....     | 1,224            | 628.3  | 126.0       | 222.1  | 188.4                     | 160.5         | 121.2           | 36.2                         | 1,105.9                                 | 9,769.6                 | 8,452                              |
| 1926.....     | 1,249            | 659.9  | 120.2       | 224.3  | 181.7                     | 159.3         | 121.2           | 34.3                         | 1,033.3                                 | 9,834.7                 | 8,549                              |
| 1927.....     | 1,235            | 759.5  | 107.1       | 238.4  | 193.3                     | 170.7         | 130.4           | 37.3                         | 1,025.5                                 | 9,726.7                 | 8,342                              |
| 1928.....     | 1,262            | 824.3  | 196.2       | 245.0  | 197.2                     | 181.6         | 140.2           | 38.1                         | 1,039.8                                 | 9,324.1                 | 9,004                              |
| 1929.....     | 1,269            | 834.3  | 199.3       | 257.8  | 199.6                     | 200.7         | 154.4           | 35.6                         | 983.5                                   | 9,155.4                 | 8,975                              |
| 1930.....     | 1,255            | 881.6  | 195.0       | 251.1  | 199.2                     | 199.2         | 147.0           | 44.1                         | 1,287.3                                 | 8,946.2                 | 7,770                              |
| 1931.....     | 1,242            | 894.7  | 237.5       | 235.7  | 185.1                     | 207.5         | 131.8           | 39.3                         | 671.5                                   | 7,301.0                 | 6,924                              |
| 1932.....     | 1,226            | 882.4  | 233.9       | 212.4  | 163.8                     | 167.0         | 117.3           | 31.1                         | 599.6                                   | 7,122.7                 | 6,413                              |
| 1933.....     | 1,206            | 906.1  | 236.2       | 192.6  | 152.1                     | 156.3         | 111.0           | 39.7                         | 502.1                                   | 6,394.6                 | 6,118                              |
| 1934.....     | 1,282            | 960.7  | 257.3       | 197.7  | 149.6                     | 156.7         | 114.8           | 30.3                         | 524.3                                   | 6,299.7                 | 6,246                              |

<sup>1</sup> Numbers reporting.

<sup>2</sup> Includes legal reserve not included prior to 1931.

<sup>3</sup> Revised to include reserves of one large order not included in figure for 1932 originally published but included in figures for 1931 and later years; data for this revision from report by the Fraternal Monitor.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y., except as noted.

### No. 318.—MUTUAL ACCIDENT AND SICK BENEFIT ASSOCIATIONS: FINANCIAL CONDITION AND BUSINESS TRANSACTED

NOTE.—Although many small companies have not reported all years, the large companies have reported regularly, and the figures are fairly comparable from year to year

[All figures, except number of companies and certificates, in thousands of dollars]

| Year      | Number of companies | Admitted assets | Net surplus | Premiums or assessments | Income (including interest) | Paid for claims | Paid to agents, medical examiners, and for management | Total disbursements | Number of certificates written during year | Number of certificates in force at end of year |
|-----------|---------------------|-----------------|-------------|-------------------------|-----------------------------|-----------------|-------------------------------------------------------|---------------------|--------------------------------------------|------------------------------------------------|
| 1901..... | 102                 | 1,617           | 1,490       | 2,957                   | 3,201                       | 1,643           | 1,753                                                 | 3,348               | 286,183                                    | 310,092                                        |
| 1905..... | 165                 | 3,769           | 3,198       | 6,134                   | 7,513                       | 3,513           | 3,330                                                 | 6,882               | 667,809                                    | 887,804                                        |
| 1910..... | 197                 | 5,189           | 3,665       | 9,291                   | 10,938                      | 5,169           | 4,258                                                 | 10,434              | 946,840                                    | 1,382,415                                      |
| 1915..... | 177                 | 7,103           | 4,483       | 10,969                  | 12,555                      | 6,955           | 4,354                                                 | 11,769              | 692,654                                    | 1,359,368                                      |
| 1920..... | 187                 | 13,709          | 9,690       | 19,538                  | 22,712                      | 10,580          | 8,771                                                 | 19,944              | 713,270                                    | 1,853,328                                      |
| 1924..... | 107                 | 47,236          | 34,215      | 41,758                  | 44,708                      | 23,337          | 10,767                                                | 38,233              | 731,285                                    | 2,168,901                                      |
| 1925..... | 167                 | 46,682          | 31,558      | 40,807                  | 44,903                      | 22,395          | 15,010                                                | 36,672              | 807,722                                    | 2,170,562                                      |
| 1926..... | 173                 | 44,244          | 29,679      | 44,901                  | 48,720                      | 26,408          | 17,978                                                | 43,424              | 644,782                                    | 2,036,053                                      |
| 1927..... | 173                 | 44,992          | 28,881      | 47,579                  | 50,892                      | 27,968          | 18,766                                                | 47,608              | 841,384                                    | 2,259,669                                      |
| 1928..... | 160                 | 41,720          | 26,850      | 44,245                  | 48,676                      | 27,909          | 20,887                                                | 45,582              | 641,559                                    | 1,807,292                                      |
| 1929..... | 148                 | 51,852          | 35,546      | 51,314                  | 56,453                      | 30,894          | 19,239                                                | 50,072              | 826,509                                    | 2,543,834                                      |
| 1930..... | 156                 | 39,651          | 25,901      | 47,036                  | 50,542                      | 29,135          | 18,066                                                | 48,338              | 963,011                                    | 2,483,753                                      |
| 1931..... | 134                 | 38,457          | 25,235      | 42,252                  | 45,714                      | 29,116          | 17,610                                                | 46,022              | 1,023,189                                  | 2,531,185                                      |
| 1932..... | 109                 | 34,900          | 22,736      | 36,180                  | 38,126                      | 26,256          | 13,465                                                | 39,592              | 607,368                                    | 1,751,103                                      |
| 1933..... | 101                 | 33,721          | 22,806      | 31,063                  | 33,647                      | 19,357          | 11,359                                                | 32,285              | 521,266                                    | 1,717,619                                      |
| 1934..... | 112                 | 36,174          | 24,636      | 31,254                  | 34,341                      | 19,175          | 12,211                                                | 31,807              | 811,110                                    | 1,899,022                                      |

<sup>1</sup> Number reporting; for prior years figures include all known companies, whether reporting or not.

### No. 319.—CASUALTY, SURETY, AND MISCELLANEOUS INSURANCE: FINANCIAL CONDITION AND BUSINESS TRANSACTED

[All figures, except number of companies, in thousands of dollars]

| Year                       | Number of companies | Capital (stock companies) | Assets    | Net surplus over capital and liabilities | Net premiums <sup>1</sup> | Total income | Losses paid <sup>2</sup> | Actual expenses of management <sup>3</sup> | Total expenditures |
|----------------------------|---------------------|---------------------------|-----------|------------------------------------------|---------------------------|--------------|--------------------------|--------------------------------------------|--------------------|
| STOCK COS. <sup>4</sup>    |                     |                           |           |                                          |                           |              |                          |                                            |                    |
| 1896.....                  | 53                  | 20,676                    | 42,211    | 13,044                                   | 16,684                    | 19,318       | 5,916                    | 8,755                                      | 15,695             |
| 1900.....                  | 57                  | 23,572                    | 65,808    | 27,059                                   | 27,196                    | 30,343       | 12,755                   | 15,419                                     | 27,507             |
| 1905.....                  | 84                  | 43,030                    | 152,866   | 39,070                                   | 55,344                    | 63,191       | 21,647                   | 28,922                                     | 54,354             |
| 1910.....                  | 154                 | 65,485                    | 309,716   | 78,176                                   | 94,395                    | 111,042      | 41,465                   | 57,915                                     | 100,113            |
| 1915.....                  | 181                 | 78,024                    | 603,670   | 78,035                                   | 160,320                   | 174,892      | 75,444                   | 74,251                                     | 159,397            |
| 1920.....                  | 189                 | 93,737                    | 1,014,386 | 92,861                                   | 459,170                   | 489,774      | 196,360                  | 183,514                                    | 400,724            |
| 1925.....                  | 274                 | 169,630                   | 1,934,744 | 202,680                                  | 698,729                   | 752,037      | 347,440                  | 286,024                                    | 660,092            |
| 1926.....                  | 289                 | 186,265                   | 2,173,151 | 225,542                                  | 764,357                   | 827,911      | 387,311                  | 312,096                                    | 728,230            |
| 1927.....                  | 334                 | 211,366                   | 2,473,647 | 293,829                                  | 834,878                   | 961,494      | 427,344                  | 341,023                                    | 788,865            |
| 1928.....                  | 368                 | 253,675                   | 2,855,115 | 372,061                                  | 922,112                   | 992,696      | 445,709                  | 362,330                                    | 838,436            |
| 1929.....                  | 382                 | 265,449                   | 3,102,562 | 373,185                                  | 943,621                   | 1,087,579    | 491,684                  | 378,806                                    | 925,468            |
| 1930.....                  | 387                 | 266,387                   | 3,192,848 | 304,313                                  | 901,651                   | 1,003,831    | 534,029                  | 378,621                                    | 966,307            |
| 1931.....                  | 371                 | 239,683                   | 3,149,886 | 232,776                                  | 827,847                   | 931,546      | 529,023                  | 347,925                                    | 926,141            |
| 1932.....                  | 378                 | 194,665                   | 5,123,865 | 208,075                                  | 689,587                   | 844,437      | 416,713                  | 393,060                                    | 883,732            |
| 1932 <sup>5</sup> .....    | 182                 | 155,864                   | 2,149,163 | 167,921                                  | 601,558                   | 747,671      | 364,202                  | 252,995                                    | 727,315            |
| 1933.....                  | 177                 | 161,328                   | 2,247,824 | 173,750                                  | 570,288                   | 652,065      | 303,129                  | 230,627                                    | 639,899            |
| 1934.....                  | 179                 | 160,267                   | 2,330,273 | 199,422                                  | 617,423                   | 682,896      | 300,580                  | 239,215                                    | 641,662            |
| ALL COMPANIES <sup>7</sup> |                     |                           |           |                                          |                           |              |                          |                                            |                    |
| 1932.....                  | 452                 | 155,864                   | 2,375,084 | 252,973                                  | 816,002                   | 985,680      | 481,779                  | 332,380                                    | 965,083            |
| 1933.....                  | 473                 | 151,328                   | 2,473,238 | 256,680                                  | 775,712                   | 878,353      | 409,844                  | 299,422                                    | 851,595            |
| 1934.....                  | 489                 | 150,267                   | 2,586,144 | 287,687                                  | 899,722                   | 957,354      | 419,112                  | 317,411                                    | 880,923            |

<sup>1</sup> Total premium receipts prior to 1910.

<sup>2</sup> Payments to policy holders prior to 1924.

<sup>3</sup> Including taxes.

<sup>4</sup> Figures through 1931 and 1932 figures in italics include data for companies which transact life insurance in addition to accident and health insurance. Income and disbursement items include business of accident and health branches only of these life insurance companies, where companies were able to segregate data, while capital, assets, and net surplus include total amounts of these items for such companies, excluding, however, data for a few very large companies for which accident and health business is only a small proportion of the total business. Capital, assets, and net surplus are therefore overstated and in part duplicated in figures for life insurance companies in other tables. Figures for 1932 to 1934, except 1932 italic figures, include data for a few large life companies which transact a considerable amount of casualty business, but in general, relate to casualty, surety, and miscellaneous insurance companies only.

<sup>5</sup> Number of companies which show figures for the year.

<sup>6</sup> See note 4.

<sup>7</sup> Includes stock casualty, surety, and miscellaneous insurance companies, shown separately above, mutual companies, reciprocals, and Lloyds; number of companies and income and disbursement items also include accident and health departments of life insurance companies.

Source of tables 318 and 319: The Insurance Yearbook of the Spectator Co., New York, N. Y.

### No. 320.—STOCK CASUALTY, SURETY, AND MISCELLANEOUS INSURANCE COMPANIES: PREMIUMS AND LOSSES, BY CLASSES OF INSURANCE

NOTE.—All money figures in thousands of dollars. Data cover about 80 percent of the business of stock casualty, surety, and miscellaneous insurance companies, excluding a large number of smaller companies and those that do not transact multiple casualty lines

| Class                                                       | 1933              |                          |                 | 1934              |                          |                 | 1935              |                          |                 |
|-------------------------------------------------------------|-------------------|--------------------------|-----------------|-------------------|--------------------------|-----------------|-------------------|--------------------------|-----------------|
|                                                             | Premiums received | Losses paid <sup>1</sup> | Ratio, per cent | Premiums received | Losses paid <sup>1</sup> | Ratio, per cent | Premiums received | Losses paid <sup>1</sup> | Ratio, per cent |
| Total.....                                                  | 535,801           | 342,885                  | 64.0            | 588,828           | 344,680                  | 58.6            | 622,401           | 338,041                  | 54.3            |
| Accident <sup>2</sup> .....                                 | 34,891            | 20,624                   | 59.1            | 36,182            | 18,590                   | 51.4            | 37,230            | 18,247                   | 49.0            |
| Automobile collision.....                                   | 5,609             | 3,133                    | 55.9            | 5,938             | 3,587                    | 60.4            | 5,062             | 3,856                    | 63.6            |
| Automobile fire and theft <sup>3</sup> .....                | 194               | 98                       | 47.9            | 1,059             | 366                      | 33.6            | 2,172             | 583                      | 26.9            |
| Automobile fire, theft, and embezzlement <sup>3</sup> ..... | 886               | 360                      | 40.7            | 10                | 4                        | 41.3            |                   |                          |                 |
| Automobile liability.....                                   | 160,272           | 110,886                  | 69.2            | 171,227           | 118,137                  | 69.0            | 180,215           | 119,066                  | 66.0            |
| Automobile property damage.....                             | 46,364            | 20,171                   | 43.5            | 48,821            | 21,732                   | 44.6            | 50,084            | 22,002                   | 43.9            |
| Automobile (not segregated) <sup>4</sup> .....              | 10,523            | 5,488                    | 52.2            | 8,488             | 1,601                    | 45.9            | 3,732             | 1,889                    | 50.6            |
| Burglary and theft.....                                     | 26,641            | 9,969                    | 38.9            | 26,152            | 9,110                    | 34.8            | 26,584            | 8,974                    | 33.8            |
| Credit.....                                                 | 2,037             | 996                      | 48.9            | 1,929             | 366                      | 18.6            | 2,066             | 389                      | 18.8            |
| Engine and machinery.....                                   | 2,063             | 635                      | 30.8            | 4,313             | 714                      | 16.6            | 2,673             | 935                      | 35.0            |
| Fire.....                                                   | 116               | 52                       | 44.8            | 627               | 214                      | 34.2            | 405               | 102                      | 25.2            |
| Fidelity.....                                               | 40,063            | 17,189                   | 42.9            | 41,529            | 18,736                   | 45.0            | 40,274            | 13,077                   | 32.4            |
| Health <sup>5</sup> .....                                   | 11,112            | 8,302                    | 74.7            | 12,944            | 7,914                    | 64.4            | 13,473            | 8,722                    | 50.7            |
| Liability.....                                              | 51,935            | 26,904                   | 51.8            | 60,610            | 31,517                   | 52.0            | 65,232            | 38,051                   | 50.7            |
| Livestock.....                                              | 267               | 297                      | 111.4           | 295               | 281                      | 78.2            | 379               | 271                      | 71.5            |
| Noncancelable accident and health.....                      | 5,583             | 5,872                    | 105.2           | 5,436             | 6,808                    | 125.2           | 5,374             | 6,841                    | 127.3           |
| Plate glass.....                                            | 10,562            | 4,482                    | 42.4            | 10,048            | 4,405                    | 43.8            | 9,792             | 4,005                    | 40.9            |
| Property damage and collision <sup>6</sup> .....            | 1,892             | 727                      | 38.4            | 2,220             | 653                      | 29.3            | 2,696             | 945                      | 24.2            |
| Sprinkler and water damage.....                             | 629               | 238                      | 37.8            | 684               | 289                      | 49.6            | 676               | 284                      | 40.7            |
| Steam boiler.....                                           | 6,419             | 1,086                    | 16.9            | 7,483             | 946                      | 12.6            | 6,651             | 882                      | 13.3            |
| Surety.....                                                 | 32,004            | 29,648                   | 92.6            | 37,979            | 24,162                   | 63.6            | 40,012            | 16,248                   | 40.6            |
| Workmen's compensation.....                                 | 86,210            | 75,064                   | 87.1            | 110,041           | 76,273                   | 69.3            | 125,900           | 77,642                   | 61.7            |
| Other.....                                                  | 539               | 406                      | 75.4            | 556               | 277                      | 49.7            | 748               | 390                      | 52.2            |

<sup>1</sup> Including adjustment expenses.

<sup>2</sup> Combined accident and health included with accident.

<sup>3</sup> Data for motor-vehicle fire and theft insurance of stock fire and marine companies are as follows: 1933, premiums received, \$76,822,000; losses paid, \$32,960,000; 1934, premiums received, \$92,553,000; losses paid, \$36,104,000. Data for 1935 are not yet available.

<sup>4</sup> Includes small amounts of automobile accident, plate glass, tornado, and other miscellaneous classes.

<sup>5</sup> Other than automobile.

Source: The Spectator Co., New York, N. Y.

### No. 321.—COMMODITY EXCHANGE TRANSACTIONS: VOLUME OF TRADING IN PRINCIPAL GRAIN FUTURES AND AMOUNT OF FEDERAL TAXES COLLECTED ON SALES OF ALL COMMODITIES FOR FUTURE DELIVERY

NOTE.—Trading in wheat and corn futures usually accounts for around 90 percent of the total volume of trading in grain futures. Statistics of the volume of future trading are not collected for commodities other than grains. The value of all futures sales is roughly indicated, however, by the amount of taxes collected on such sales. Since Oct. 3, 1917, stamp taxes upon sales of products or merchandise on exchanges, boards of trade, or similar places, for future delivery, have been in effect as follows: On each \$100 of such sales or a fractional part thereof in excess of \$100, 2 cents prior to July 2, 1924; 1 cent July 2, 1924, to June 21, 1932; 5 cents June 21, 1932, to May 11, 1934; 3 cents thereafter

[Volume of trading in wheat and corn in thousands of bushels; taxes in thousands of dollars]

| Year      | Volume of trading in— |              | Taxes on sales of produce for future delivery <sup>1</sup> | Year           | Volume of trading in— |              | Taxes on sales of produce for future delivery <sup>1</sup> |
|-----------|-----------------------|--------------|------------------------------------------------------------|----------------|-----------------------|--------------|------------------------------------------------------------|
|           | Wheat futures         | Corn futures |                                                            |                | Wheat futures         | Corn futures |                                                            |
| 1918..... | (2)                   | (2)          | 5,459                                                      | 1932.....      | 9,598,775             | 1,579,695    | 2,460                                                      |
| 1919..... | (2)                   | (2)          | 5,283                                                      | Jan.-June..... | 5,080,593             | 832,162      | 2,413                                                      |
| 1920..... | (2)                   | (2)          | 8,650                                                      | July-Dec.....  | 4,562,182             | 747,533      | 2,047                                                      |
| 1921..... | 14,151,936            | 6,364,509    | 6,073                                                      | 1933.....      | 12,385,519            | 3,864,062    | 7,479                                                      |
| 1922..... | 12,701,922            | 4,839,449    | 5,645                                                      | Jan.-June..... | 6,328,113             | 1,076,957    | 2,160                                                      |
| 1923..... | 10,078,513            | 4,640,065    | 7,625                                                      | July-Dec.....  | 6,057,406             | 2,187,105    | 6,319                                                      |
| 1924..... | 11,223,017            | 6,215,579    | 6,507                                                      | 1934.....      | 8,916,344             | 3,418,012    | 4,950                                                      |
| 1925..... | 20,628,785            | 6,408,648    | 5,070                                                      | Jan.-June..... | 4,083,833             | 1,127,161    | 2,528                                                      |
| 1926..... | 15,536,261            | 4,096,745    | 3,524                                                      | July-Dec.....  | 4,881,491             | 2,290,851    | 2,422                                                      |
| 1927..... | 10,838,465            | 6,769,600    | 3,488                                                      | 1935.....      | 4,462,821             | 2,365,803    | 3,277                                                      |
| 1928..... | 10,947,471            | 6,638,591    | 3,378                                                      | Jan.-June..... | 3,215,012             | 1,434,044    | 1,528                                                      |
| 1929..... | 18,770,598            | 4,943,104    | 3,766                                                      | July-Dec.....  | 5,247,809             | 931,559      | 1,749                                                      |
| 1930..... | 14,737,859            | 4,741,285    | 2,518                                                      | 1936.....      |                       |              |                                                            |
| 1931..... | 8,537,633             | 4,241,070    | 1,110                                                      | Jan.-June..... | 3,844,803             | 1,477,840    | 1,195                                                      |

<sup>1</sup> Figures represent sales of stamps.

<sup>2</sup> Not available.

Sources: Volume of Trading, Commodity Exchange Administration; Taxes, Commissioner of Internal Revenue, Treasury Department.

## No. 322.—SALES OF STOCKS AND BONDS ON ALL REGISTERED EXCHANGES

[All money figures in millions of dollars; number of shares of stock in millions. Stock sales include rights and warrants]

| Year and quarter | All registered exchanges  |        |              |           |              | New York Stock Exchange   |        |              |           |              |
|------------------|---------------------------|--------|--------------|-----------|--------------|---------------------------|--------|--------------|-----------|--------------|
|                  | Market value of all sales | Stocks |              | Bonds     |              | Market value of all sales | Stocks |              | Bonds     |              |
|                  |                           | Shares | Market value | Par value | Market value |                           | Shares | Market value | Par value | Market value |
| 1935.....        | 19, 111                   | 1 062  | 15, 376      | 4, 723    | 3, 736       | 16, 135                   | 1 499  | 13, 338      | 4, 505    | 2, 797       |
| Jan.-Mar.....    | 3, 001                    | 1 74   | 2, 000       | 1 180     | 1, 001       | 2, 496                    | 1 60   | 1, 729       | 1 861     | 706          |
| Apr.-June.....   | 4, 022                    | 137    | 3, 078       | 1, 212    | 945          | 3, 316                    | 101    | 2, 634       | 871       | 682          |
| July-Sept.....   | 5, 034                    | 137    | 4, 156       | 1, 110    | 878          | 4, 286                    | 145    | 3, 625       | 826       | 662          |
| Oct.-Dec.....    | 7, 054                    | 264    | 6, 142       | 1, 241    | 912          | 6, 037                    | 203    | 5, 350       | 947       | 687          |
| 1936:            |                           |        |              |           |              |                           |        |              |           |              |
| Jan.-Mar.....    | 8, 547                    | 342    | 7, 372       | 1, 544    | 1, 175       | 7, 207                    | 248    | 6, 302       | 1, 219    | 905          |
| Apr.-June.....   | 5, 068                    | 169    | 4, 324       | 883       | 744          | 4, 352                    | 126    | 3, 760       | 705       | 592          |

<sup>1</sup> Figures for January to March exclude odd-lot and stopped sales for New York Stock Exchange and New York Curb Exchange.

<sup>2</sup> Figures for January to March exclude stopped sales for New York Stock Exchange and New York Curb Exchange.

Source: Securities and Exchange Commission.

## No. 323.—VOLUME OF SALES ON NEW YORK STOCK EXCHANGE

| Year      | Stocks, mil-<br>lions of<br>shares <sup>1</sup> | Bonds, par value (millions of<br>dollars) <sup>2</sup> |                             |                               |                                 | Year      | Stocks, mil-<br>lions of<br>shares <sup>1</sup> | Bonds, par value (millions of<br>dollars) <sup>2</sup> |                             |                               |                                 |
|-----------|-------------------------------------------------|--------------------------------------------------------|-----------------------------|-------------------------------|---------------------------------|-----------|-------------------------------------------------|--------------------------------------------------------|-----------------------------|-------------------------------|---------------------------------|
|           |                                                 | Total                                                  | Rail-<br>way and<br>miscel. | U. S.<br>Gov-<br>ern-<br>ment | State,<br>municipal,<br>foreign |           |                                                 | Total                                                  | Rail-<br>way and<br>miscel. | U. S.<br>Gov-<br>ern-<br>ment | State,<br>municipal,<br>foreign |
| 1910..... | 164                                             | 635                                                    | 592                         | ( <sup>3</sup> )              | 43                              | 1923..... | 236                                             | 2, 790                                                 | 1, 508                      | 796                           | 425                             |
| 1911..... | 127                                             | 890                                                    | 795                         | 3                             | 92                              | 1924..... | 282                                             | 3, 804                                                 | 2, 345                      | 877                           | 582                             |
| 1912..... | 131                                             | 675                                                    | 648                         | 1                             | 26                              | 1925..... | 454                                             | 3, 354                                                 | 2, 332                      | 391                           | 661                             |
| 1913..... | 83                                              | 502                                                    | 471                         | 2                             | 29                              | 1926..... | 451                                             | 2, 987                                                 | 2, 004                      | 262                           | 721                             |
| 1914..... | 48                                              | 462                                                    | 427                         | 1                             | 34                              | 1927..... | 577                                             | 3, 269                                                 | 2, 142                      | 290                           | 837                             |
| 1915..... | 173                                             | 961                                                    | 907                         | 3                             | 51                              | 1928..... | 920                                             | 2, 903                                                 | 1, 967                      | 188                           | 749                             |
| 1916..... | 233                                             | 1, 150                                                 | 845                         | 1                             | 304                             | 1929..... | 1, 125                                          | 2, 982                                                 | 2, 182                      | 142                           | 658                             |
| 1917..... | 186                                             | 1, 057                                                 | 471                         | 286                           | 300                             | 1930..... | 810                                             | 2, 764                                                 | 1, 927                      | 116                           | 721                             |
| 1918..... | 144                                             | 2, 063                                                 | 356                         | 1, 436                        | 271                             | 1931..... | 577                                             | 3, 051                                                 | 1, 846                      | 296                           | 908                             |
| 1919..... | 317                                             | 3, 809                                                 | 622                         | 2, 901                        | 286                             | 1932..... | 425                                             | 2, 967                                                 | 1, 642                      | 570                           | 755                             |
| 1920..... | 227                                             | 3, 977                                                 | 827                         | 2, 861                        | 289                             | 1933..... | 655                                             | 3, 369                                                 | 2, 099                      | 501                           | 769                             |
| 1921..... | 173                                             | 3, 324                                                 | 1, 043                      | 1, 957                        | 324                             | 1934..... | 324                                             | 3, 726                                                 | 2, 239                      | 602                           | 885                             |
| 1922..... | 259                                             | 4, 370                                                 | 1, 905                      | 1, 873                        | 592                             | 1935..... | 382                                             | 3, 339                                                 | 2, 287                      | 378                           | 674                             |

<sup>1</sup> Exclusive of odd-lot and stopped sales.

<sup>2</sup> Exclusive of stopped sales.

<sup>3</sup> Less than 500,000.

Source: Commercial and Financial Chronicle.

## No. 324.—BROKERS' LOANS: AMOUNTS OUTSTANDING AT THE END OF EACH MONTH

NOTE.—In millions of dollars. Figures cover net borrowings by New York Stock Exchange members on collateral contracted for and carried in New York City

| Year        | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1926.....   | 3, 513 | 3, 536 | 3, 000 | 2, 836 | 2, 767 | 2, 926 | 2, 998 | 3, 142 | 3, 219 | 3, 111 | 3, 129 | 3, 293 |
| 1927.....   | 3, 139 | 3, 256 | 3, 290 | 3, 341 | 3, 458 | 3, 569 | 3, 642 | 3, 674 | 3, 915 | 3, 946 | 4, 092 | 4, 433 |
| 1928.....   | 4, 420 | 4, 323 | 4, 640 | 4, 908 | 5, 274 | 4, 898 | 4, 837 | 5, 051 | 5, 514 | 5, 850 | 6, 392 | 6, 440 |
| 1929.....   | 6, 735 | 6, 679 | 6, 804 | 6, 775 | 6, 665 | 7, 071 | 7, 474 | 7, 882 | 8, 549 | 6, 109 | 4, 017 | 3, 990 |
| 1930.....   | 3, 985 | 4, 168 | 4, 656 | 5, 068 | 4, 748 | 3, 728 | 3, 689 | 3, 599 | 3, 481 | 2, 556 | 2, 162 | 1, 894 |
| 1931.....   | 1, 720 | 1, 840 | 1, 909 | 1, 651 | 1, 435 | 1, 391 | 1, 344 | 1, 354 | 1, 044 | 796    | 730    | 587    |
| 1932.....   | 512    | 525    | 533    | 379    | 300    | 244    | 242    | 332    | 380    | 325    | 338    | 347    |
| 1933.....   | 359    | 360    | 311    | 322    | 529    | 780    | 916    | 917    | 897    | 776    | 789    | 845    |
| 1934.....   | 903    | 938    | 981    | 1, 088 | 1, 016 | 1, 082 | 923    | 874    | 832    | 827    | 831    | 880    |
| Demand..... | 827    | 657    | 714    | 812    | 722    | 741    | 588    | 545    | 532    | 546    | 558    | 616    |
| Time.....   | 276    | 281    | 267    | 276    | 294    | 342    | 335    | 329    | 300    | 281    | 273    | 264    |
| 1935.....   | 825    | 816    | 773    | 805    | 793    | 809    | 769    | 772    | 781    | 792    | 846    | 938    |
| Demand..... | 676    | 573    | 553    | 510    | 472    | 474    | 420    | 399    | 363    | 336    | 407    | 547    |
| Time.....   | 249    | 243    | 220    | 295    | 321    | 334    | 349    | 373    | 418    | 457    | 439    | 391    |
| 1936.....   | 925    | 924    | 997    | 1, 064 | 970    | 989    |        |        |        |        |        |        |
| Demand..... | 600    | 632    | 753    | 689    | 559    | 581    |        |        |        |        |        |        |
| Time.....   | 325    | 293    | 244    | 375    | 411    | 407    |        |        |        |        |        |        |

Source: Commercial and Financial Chronicle.



## No. 325.—NEW YORK TIMES AVERAGE PRICES OF STOCKS

| Year       | 50 stocks (dollars per share) |        |                              | 25 industrials (dollars per share) |        |                              | 25 railroads (dollars per share) |        |                              |
|------------|-------------------------------|--------|------------------------------|------------------------------------|--------|------------------------------|----------------------------------|--------|------------------------------|
|            | High                          | Low    | Average closing <sup>1</sup> | High                               | Low    | Average closing <sup>1</sup> | High                             | Low    | Average closing <sup>1</sup> |
| 1913.....  | 79.25                         | 63.09  | ( <sup>2</sup> )             | 67.08                              | 50.27  | 58.19                        | 91.42                            | 75.82  | 82.97                        |
| 1914.....  | 73.30                         | 57.41  | 67.83                        | 61.71                              | 48.48  | 58.08                        | 84.94                            | 66.35  | 77.57                        |
| 1915.....  | 94.13                         | 58.99  | 74.26                        | 109.97                             | 51.85  | 75.35                        | 82.84                            | 66.13  | 73.16                        |
| 1916.....  | 101.51                        | 80.91  | 89.60                        | 119.30                             | 85.60  | 99.14                        | 85.70                            | 74.83  | 80.05                        |
| 1917.....  | 90.46                         | 57.43  | 77.25                        | 99.74                              | 62.81  | 85.44                        | 81.22                            | 62.06  | 69.12                        |
| 1918.....  | 80.16                         | 64.12  | 71.16                        | 91.55                              | 71.31  | 80.98                        | 70.75                            | 56.94  | 61.34                        |
| 1919.....  | 99.59                         | 69.73  | 83.92                        | 138.12                             | 80.37  | 105.77                       | 68.78                            | 54.48  | 62.06                        |
| 1920.....  | 94.07                         | 62.70  | 81.65                        | 129.83                             | 78.55  | 107.21                       | 68.55                            | 48.53  | 55.94                        |
| 1921.....  | 73.13                         | 58.35  | 66.30                        | 90.60                              | 66.24  | 79.38                        | 56.54                            | 47.59  | 58.21                        |
| 1922.....  | 93.06                         | 66.21  | 80.48                        | 116.24                             | 79.86  | 98.58                        | 70.53                            | 52.57  | 62.33                        |
| 1923.....  | 92.62                         | 77.15  | 83.97                        | 118.44                             | 99.05  | 107.78                       | 67.05                            | 54.61  | 60.15                        |
| 1924.....  | 107.23                        | 82.26  | 91.13                        | 135.11                             | 103.26 | 115.08                       | 81.41                            | 57.80  | 67.18                        |
| 1925.....  | 138.21                        | 101.16 | 117.57                       | 185.36                             | 128.83 | 152.65                       | 95.29                            | 73.50  | 82.48                        |
| 1926.....  | 142.35                        | 109.63 | 129.48                       | 186.03                             | 137.05 | 165.70                       | 102.60                           | 81.61  | 93.27                        |
| 1927.....  | 185.47                        | 135.82 | 164.18                       | 247.48                             | 171.49 | 214.54                       | 124.22                           | 99.34  | 113.81                       |
| 1928.....  | 231.45                        | 173.13 | 195.49                       | 332.58                             | 233.42 | 298.92                       | 132.80                           | 112.84 | 122.06                       |
| 1929.....  | 311.90                        | 194.43 | 251.08                       | 469.49                             | 220.95 | 366.29                       | 158.71                           | 107.92 | 135.87                       |
| 1930.....  | 245.60                        | 135.43 | 199.59                       | 358.16                             | 196.67 | 285.66                       | 136.00                           | 74.20  | 119.51                       |
| 1931.....  | 173.07                        | 67.61  | 125.09                       | 251.22                             | 110.73 | 187.15                       | 94.93                            | 24.49  | 63.01                        |
| 1932.....  | 80.88                         | 33.98  | 57.81                        | 129.16                             | 57.62  | 93.63                        | 33.96                            | 10.34  | 21.69                        |
| 1933.....  | 98.05                         | 46.85  | 74.63                        | 150.21                             | 75.39  | 118.42                       | 47.67                            | 18.31  | 30.84                        |
| 1934.....  | 98.27                         | 74.95  | 85.52                        | 153.18                             | 123.34 | 137.84                       | 43.56                            | 25.54  | 33.19                        |
| 1935.....  | 116.74                        | 77.92  | 96.92                        | 203.68                             | 134.62 | 167.29                       | 33.35                            | 21.12  | 26.56                        |
| Jan.-June: |                               |        |                              |                                    |        |                              |                                  |        |                              |
| 1935.....  | 90.72                         | 82.81  | 86.85                        | 154.98                             | 142.26 | 149.62                       | 26.52                            | 23.04  | 24.09                        |
| 1936.....  | 123.62                        | 115.26 | 120.20                       | 208.65                             | 195.65 | 203.62                       | 38.95                            | 34.37  | 36.78                        |

<sup>1</sup> Average of Saturday closing prices for these stocks.<sup>2</sup> Not available.

## No. 326.—AVERAGE PRICES OF STOCKS AND BONDS, BY CLASSES

NOTE.—Figures in boxes indicate the number of issues. Data not available where blank spaces occur

| Year       | Bonds                                              |                                                               |                                        |                         |                       |                         |                                | Preferred<br>stocks <sup>1</sup><br>(dollars<br>per share)<br>(20) | Common stocks (1926=100) |                          |                       |                                |
|------------|----------------------------------------------------|---------------------------------------------------------------|----------------------------------------|-------------------------|-----------------------|-------------------------|--------------------------------|--------------------------------------------------------------------|--------------------------|--------------------------|-----------------------|--------------------------------|
|            | U. S.<br>Govern-<br>ment <sup>1</sup><br>(dollars) | Municipal,<br>high<br>grade <sup>2</sup><br>(dollars)<br>(15) | Corporate, percent of par <sup>3</sup> |                         |                       |                         |                                |                                                                    | Total<br>(419)           | Indus-<br>trial<br>(347) | Rail-<br>road<br>(32) | Pub-<br>lic<br>utility<br>(40) |
|            |                                                    |                                                               | Total<br>(40)                          | Indus-<br>trial<br>(10) | Rails                 |                         | Pub-<br>lic<br>utility<br>(10) |                                                                    |                          |                          |                       |                                |
|            |                                                    |                                                               |                                        |                         | High<br>grade<br>(10) | Second<br>grade<br>(10) |                                |                                                                    |                          |                          |                       |                                |
| 1915.....  |                                                    | 94.1                                                          | 76.76                                  | 70.51                   | 89.79                 | 75.55                   | 73.82                          | 108.0                                                              |                          |                          |                       |                                |
| 1916.....  |                                                    | 97.2                                                          | 80.49                                  | 75.89                   | 92.45                 | 78.00                   | 77.69                          | 113.1                                                              |                          |                          |                       |                                |
| 1917.....  | 99.4                                               | 93.6                                                          | 75.58                                  | 71.35                   | 87.43                 | 72.42                   | 72.36                          | 109.1                                                              |                          |                          |                       |                                |
| 1918.....  | 96.7                                               | 89.6                                                          | 69.84                                  | 69.36                   | 80.02                 | 66.12                   | 63.89                          | 104.4                                                              | 60.7                     | 56.6                     | 68.7                  | 59.9                           |
| 1919.....  | 96.0                                               | 90.1                                                          | 69.07                                  | 70.76                   | 77.80                 | 66.33                   | 61.77                          | 110.9                                                              | 70.7                     | 72.6                     | 70.1                  | 60.3                           |
| 1920.....  | 90.9                                               | 83.7                                                          | 59.70                                  | 60.12                   | 71.33                 | 58.55                   | 51.98                          | 103.2                                                              | 64.2                     | 66.1                     | 63.9                  | 54.5                           |
| 1921.....  | 92.2                                               | 82.5                                                          | 60.15                                  | 55.29                   | 74.29                 | 61.43                   | 53.92                          | 103.0                                                              | 55.2                     | 51.6                     | 61.8                  | 57.8                           |
| 1922.....  | 99.5                                               | 93.2                                                          | 74.11                                  | 74.00                   | 85.50                 | 71.76                   | 67.50                          | 114.0                                                              | 67.7                     | 64.7                     | 72.7                  | 70.9                           |
| 1923.....  | 98.4                                               | 92.9                                                          | 71.72                                  | 72.27                   | 82.86                 | 67.71                   | 66.26                          | 114.4                                                              | 69.0                     | 66.6                     | 71.9                  | 73.8                           |
| 1924.....  | 101.1                                              | 93.7                                                          | 74.32                                  | 73.21                   | 85.11                 | 72.13                   | 68.93                          | 115.2                                                              | 72.8                     | 69.6                     | 76.7                  | 78.9                           |
| 1925.....  | 101.9                                              | 95.2                                                          | 77.04                                  | 75.42                   | 86.96                 | 76.69                   | 70.81                          | 118.6                                                              | 89.7                     | 88.4                     | 89.5                  | 94.9                           |
| 1926.....  | 102.0                                              | 95.3                                                          | 80.81                                  | 77.86                   | 89.47                 | 81.21                   | 74.40                          | 121.0                                                              | 100.0                    | 100.0                    | 100.0                 | 100.0                          |
| 1927.....  | 103.2                                              | 96.7                                                          | 83.69                                  | 79.53                   | 94.47                 | 85.28                   | 77.47                          | 127.1                                                              | 118.3                    | 118.5                    | 119.1                 | 116.0                          |
| 1928.....  | 102.6                                              | 95.6                                                          | 84.06                                  | 79.48                   | 92.87                 | 84.91                   | 80.33                          | 130.9                                                              | 149.9                    | 154.3                    | 128.5                 | 148.9                          |
| 1929.....  | 100.1                                              | 92.7                                                          | 79.21                                  | 75.98                   | 87.50                 | 79.43                   | 75.11                          | 127.4                                                              | 190.3                    | 189.4                    | 147.3                 | 234.6                          |
| 1930.....  | 102.6                                              | 95.4                                                          | 81.25                                  | 74.37                   | 92.23                 | 84.95                   | 76.01                          | 126.4                                                              | 149.8                    | 140.6                    | 124.9                 | 214.6                          |
| 1931.....  | 102.9                                              | 96.4                                                          | 74.94                                  | 63.84                   | 92.48                 | 72.37                   | 77.94                          | 119.1                                                              | 94.7                     | 87.4                     | 72.5                  | 148.7                          |
| 1932.....  | 100.28                                             | 87.8                                                          | 49.97                                  | 45.36                   | 76.04                 | 34.30                   | 67.45                          | 96.1                                                               | 48.6                     | 45.5                     | 26.4                  | 79.1                           |
| 1933.....  | 102.75                                             | 87.1                                                          | 58.64                                  | 52.99                   | 82.70                 | 45.87                   | 72.73                          | 104.8                                                              | 63.0                     | 65.7                     | 37.7                  | 78.1                           |
| 1934.....  | 104.44                                             | 97.3                                                          | 80.97                                  | 74.70                   | 100.77                | 67.84                   | 88.79                          | 120.7                                                              | 72.4                     | 81.7                     | 41.5                  | 68.9                           |
| 1935.....  | 106.88                                             | 101.8                                                         | 81.87                                  | 86.43                   | 113.63                | 57.08                   | 91.69                          | 131.8                                                              | 78.3                     | 90.8                     | 34.0                  | 71.4                           |
| Jan.-June: |                                                    |                                                               |                                        |                         |                       |                         |                                |                                                                    |                          |                          |                       |                                |
| 1935.....  | 107.13                                             | 106.8                                                         | 81.21                                  | 82.47                   | 112.57                | 58.09                   | 91.11                          | 131.9                                                              | 69.8                     | 81.7                     | 31.4                  | 59.8                           |
| 1936.....  | 107.46                                             | 115.5                                                         | 95.27                                  | 102.13                  | 125.18                | 71.32                   | 98.26                          | 138.6                                                              | 105.1                    | 120.4                    | 47.3                  | 100.1                          |

<sup>1</sup> Covers a representative list of long-term U. S. Government bonds.<sup>2</sup> Average yield on 15 bonds converted to the equivalent price for a 3½ percent bond having 22 years to date of maturity.<sup>3</sup> Average yield of the 10 bonds of each class capitalized at 4 percent to give the combined index. Five substitutions in the series of industrials in 1922 affected this index.<sup>4</sup> Average of prices adjusted to a \$7 annual dividend basis.<sup>5</sup> Average for June to December.<sup>6</sup> Average for January to May.

Sources: 40 corporate bonds, Dow, Jones &amp; Co.; other figures, Standard Statistics Co.

## No. 327.—VALUE OF SECURITIES LISTED ON NEW YORK STOCK EXCHANGE

[Value, except average price, in millions of dollars]

| Jan. 1—   | Bonds     |              |               | Stocks            |              |               | Jan. 1—   | Bonds     |              |               | Stocks            |              |               |
|-----------|-----------|--------------|---------------|-------------------|--------------|---------------|-----------|-----------|--------------|---------------|-------------------|--------------|---------------|
|           | Par value | Market value | Average price | Shares (millions) | Market value | Average price |           | Par value | Market value | Average price | Shares (millions) | Market value | Average price |
| 1925..... | 35,458    | 33,612       | \$64.79       | 438               | 27,072       | \$62.45       | 1931..... | 50,073    | 47,385       | \$94.63       | 1,297             | 49,020       | \$37.80       |
| 1926..... | 36,995    | 35,509       | 95.98         | 492               | 34,489       | 70.15         | 1932..... | 52,360    | 37,848       | 72.29         | 1,319             | 26,694       | 20.24         |
| 1927..... | 37,900    | 37,168       | 98.06         | 556               | 38,376       | 65.53         | 1933..... | 41,305    | 31,918       | 77.27         | 1,312             | 22,768       | 17.35         |
| 1928..... | 36,881    | 36,875       | 99.98         | 655               | 49,736       | 75.93         | 1934..... | 41,829    | 34,861       | 83.34         | 1,293             | 33,095       | 25.69         |
| 1929..... | 48,839    | 47,379       | 97.51         | 757               | 67,478       | 89.10         | 1935..... | 44,816    | 40,660       | 90.73         | 1,305             | 33,934       | 25.99         |
| 1930..... | 49,058    | 46,892       | 95.59         | 1,128             | 64,708       | 57.38         | 1936..... | 42,893    | 39,399       | 91.85         | 1,318             | 46,946       | 35.62         |

<sup>1</sup> Approximately \$12,000,000,000 par value British Government bonds were added to the list during April 1928 and approximately \$10,000,000,000 removed from the list during December 1932.

Source: New York Stock Exchange Yearbook.

## No. 328.—CASH DIVIDEND PAYMENTS ON 600 COMMON STOCKS

| Year and month <sup>1</sup> | Total annual payments at current rates (millions of dollars) | Number of shares, adjusted (millions) | Weighted average dividend rate per share (dollars) |                 |              |                     |          |              |
|-----------------------------|--------------------------------------------------------------|---------------------------------------|----------------------------------------------------|-----------------|--------------|---------------------|----------|--------------|
|                             |                                                              |                                       | Total, 600 stocks                                  | 492 industrials | 36 railroads | 30 public utilities | 21 banks | 21 insurance |
| 1929, average.....          | 2,536.9                                                      | 358.28                                | 2.96                                               | 2.66            | 6.06         | 2.49                | 5.72     | 3.31         |
| 1930, average.....          | 2,602.0                                                      | 393.76                                | 2.91                                               | 2.51            | 6.16         | 2.89                | 5.99     | 3.57         |
| 1931, average.....          | 2,134.7                                                      | 915.72                                | 2.33                                               | 1.85            | 4.81         | 2.97                | 5.75     | 3.37         |
| 1932, average.....          | 1,326.9                                                      | 925.60                                | 1.43                                               | 1.08            | 1.38         | 2.51                | 4.75     | 2.34         |
| 1933, average.....          | 1,008.1                                                      | 924.04                                | 1.09                                               | .78             | .88          | 2.18                | 3.77     | 1.70         |
| 1934, average.....          | 1,108.2                                                      | 923.16                                | 1.20                                               | .95             | 1.10         | 1.99                | 3.68     | 1.71         |
| 1935, average.....          | 1,215.5                                                      | 919.28                                | 1.32                                               | 1.14            | 1.23         | 1.85                | 3.23     | 2.12         |
| March.....                  | 1,181.6                                                      | 918.42                                | 1.29                                               | 1.09            | 1.24         | 1.86                | 3.28     | 1.91         |
| June.....                   | 1,186.9                                                      | 918.42                                | 1.29                                               | 1.10            | 1.24         | 1.84                | 3.19     | 2.17         |
| September.....              | 1,230.6                                                      | 918.42                                | 1.34                                               | 1.17            | 1.21         | 1.83                | 2.99     | 2.23         |
| December.....               | 1,298.7                                                      | 923.92                                | 1.41                                               | 1.26            | 1.21         | 1.86                | 2.98     | 2.37         |
| 1936:                       |                                                              |                                       |                                                    |                 |              |                     |          |              |
| March.....                  | 1,345.5                                                      | 923.92                                | 1.46                                               | 1.33            | 1.21         | 1.86                | 2.98     | 2.39         |
| June.....                   | 1,397.4                                                      | 923.92                                | 1.51                                               | 1.41            | 1.21         | 1.86                | 3.00     | 2.93         |

<sup>1</sup> 1929 average based on figures for June to December; other yearly averages on 12 monthly figures.

<sup>2</sup> Adjusted for stock dividends and splits but not for changes in share capitalization due to other causes.

Source: Moody's Investor's Service.

## No. 329.—STOCK AND BOND YIELDS; PERCENT

NOTE.—Figures in boxes indicate number of issues. Data not available where blank spaces occur

| Year       | Bonds                                        |                             |                                                   |                 |               |                     |                                                                  | Stocks                                           |                          |                  |               |                     |
|------------|----------------------------------------------|-----------------------------|---------------------------------------------------|-----------------|---------------|---------------------|------------------------------------------------------------------|--------------------------------------------------|--------------------------|------------------|---------------|---------------------|
|            | U. S. Treasury (Treasury Dept.) <sup>1</sup> | Municipal (Bond Buyer) (20) | Corporate and municipal (Standard Statistics Co.) |                 |               |                     | Preferred industrial <sup>2</sup> (Standard Statistics Co.) (20) | Common (Moody's Investors' Service) <sup>3</sup> |                          |                  |               |                     |
|            |                                              |                             | Total corporate (45)                              | Industrial (15) | Railroad (15) | Public utility (15) |                                                                  | Municipal (15)                                   | Total (200) <sup>4</sup> | Industrial (125) | Railroad (25) | Public utility (25) |
|            |                                              |                             |                                                   |                 |               |                     |                                                                  |                                                  |                          |                  |               |                     |
| 1919.....  | 4.62                                         | 4.50                        | 5.51                                              | 5.40            | 5.29          | 5.84                | 4.46                                                             | 6.31                                             | -----                    | -----            | -----         | -----               |
| 1920.....  | 5.32                                         | 5.04                        | 6.18                                              | 6.01            | 5.79          | 6.73                | 4.98                                                             | 6.79                                             | -----                    | -----            | -----         | -----               |
| 1921.....  | 5.09                                         | 5.02                        | 6.03                                              | 5.96            | 5.57          | 6.56                | 5.09                                                             | 6.80                                             | -----                    | -----            | -----         | -----               |
| 1922.....  | 4.30                                         | 4.21                        | 5.17                                              | 5.21            | 4.85          | 5.46                | 4.23                                                             | 6.14                                             | -----                    | -----            | -----         | -----               |
| 1923.....  | 4.36                                         | 4.27                        | 5.22                                              | 5.26            | 4.98          | 5.41                | 4.25                                                             | 6.12                                             | -----                    | -----            | -----         | -----               |
| 1924.....  | 4.06                                         | 4.21                        | 5.07                                              | 5.21            | 4.78          | 5.22                | 4.20                                                             | 6.08                                             | -----                    | -----            | -----         | -----               |
| 1925.....  | 3.86                                         | 4.13                        | 4.93                                              | 5.06            | 4.87          | 5.06                | 4.09                                                             | 5.90                                             | -----                    | -----            | -----         | -----               |
| 1926.....  | 3.68                                         | 4.14                        | 4.77                                              | 4.91            | 4.51          | 4.90                | 4.08                                                             | 5.78                                             | -----                    | -----            | -----         | -----               |
| 1927.....  | 3.34                                         | 3.99                        | 4.65                                              | 4.83            | 4.31          | 4.78                | 3.98                                                             | 5.51                                             | -----                    | -----            | -----         | -----               |
| 1928.....  | 3.33                                         | 3.06                        | 4.03                                              | 4.88            | 4.34          | 4.68                | 4.05                                                             | 5.35                                             | -----                    | -----            | -----         | -----               |
| 1929.....  | 3.60                                         | 4.32                        | 4.78                                              | 5.06            | 4.61          | 4.86                | 4.27                                                             | 5.50                                             | 5.3.5                    | 5.4.0            | 5.4.4         | 5.2.6               |
| 1930.....  | 3.28                                         | 4.12                        | 4.71                                              | 4.95            | 4.39          | 4.65                | 4.07                                                             | 5.54                                             | 4.6                      | 4.9              | 5.6           | 3.7                 |
| 1931.....  | 3.31                                         | 4.07                        | 6.13                                              | 5.51            | 4.61          | 4.60                | 4.01                                                             | 5.81                                             | 6.2                      | 6.4              | 7.8           | 5.4                 |
| 1932.....  | 3.66                                         | 4.77                        | 6.21                                              | 7.45            | 5.99          | 5.36                | 4.65                                                             | 7.32                                             | 7.4                      | 7.3              | 6.3           | 8.0                 |
| 1933.....  | 3.31                                         | 5.14                        | 5.88                                              | 6.93            | 5.65          | 5.18                | 4.71                                                             | 6.71                                             | 4.4                      | 3.7              | 2.7           | 6.9                 |
| 1934.....  | 3.10                                         | 4.22                        | 4.69                                              | 5.30            | 4.66          | 4.62                | 3.95                                                             | 5.81                                             | 4.1                      | 3.4              | 3.0           | 6.9                 |
| 1935.....  | 2.70                                         | 3.38                        | 4.50                                              | 4.61            | 4.93          | 4.31                | 3.16                                                             | 5.23                                             | 4.1                      | 3.5              | 4.0           | 6.3                 |
| Jan.-June: |                                              |                             |                                                   |                 |               |                     |                                                                  |                                                  |                          |                  |               |                     |
| 1935.....  | 2.69                                         | 3.45                        | 4.68                                              | 4.72            | 4.92          | 4.40                | 3.31                                                             | 5.31                                             | 4.5                      | 3.8              | 4.3           | 7.3                 |
| 1936.....  | 2.66                                         | 3.05                        | 4.30                                              | 4.36            | 4.49          | 4.04                | 2.80                                                             | 5.05                                             | 3.4                      | 3.2              | 2.8           | 4.5                 |

<sup>1</sup> Averages of yields of all outstanding Treasury bonds due or callable after 8 years.

<sup>2</sup> High grade.

<sup>3</sup> Average of monthly figures computed by dividing the aggregate annual dividends being paid as of the end of each month by the market value of all outstanding shares of the companies as of the same date.

<sup>4</sup> Includes 15 banks and 10 insurance stocks.

<sup>5</sup> Average of figures for June to December.

## No. 330.—NET PROFITS OF 488 CORPORATIONS

NOTE.—In millions and tenths of millions of dollars. Figures in parentheses indicate the number of companies. For net profits of all corporations as compiled from income-tax returns, see tables 188 and 189, p. 187

| Class and number of companies                 | 1925    | 1929    | 1930    | 1931    | 1932  | 1933    | 1934    | 1935    |
|-----------------------------------------------|---------|---------|---------|---------|-------|---------|---------|---------|
| Grand total (488).....                        | 2,552.1 | 3,174.0 | 2,185.7 | 1,343.7 | 662.2 | 1,010.7 | 1,138.5 | 1,447.3 |
| Industrial (168).....                         | 1,208.4 | 1,391.7 | 795.6   | 303.5   | 187.1 | 183.5   | 323.7   | 580.0   |
| Automobiles, parts and accessories (28)¹      | 431.8   | 386.5   | 183.3   | 87.8    | 148.3 | 85.2    | 94.6    | 225.1   |
| Chemicals (13).....                           | 133.3   | 163.8   | 122.7   | 99.0    | 52.4  | 77.1    | 94.8    | 121.5   |
| Food products and beverages (10).....         | 88.2    | 101.3   | 93.3    | 82.0    | 59.5  | 66.4    | 72.0    | 67.6    |
| Machinery and machine manufacturing (17)..... | 48.8    | 61.5    | 35.6    | 4.2     | 14.5  | 1.8     | 17.6    | 26.0    |
| Metals and mining (12).....                   | 24.0    | 32.3    | 15.7    | 4.4     | 5.7   | 3.6     | 8.2     | 11.7    |
| Oil (13).....                                 | 76.7    | 83.8    | 25.6    | 58.2    | 5.0   | 6.5     | 14.6    | 29.6    |
| Steel (11).....                               | 180.2   | 308.6   | 162.4   | 1.8     | 122.3 | 160.8   | 122.9   | 22.4    |
| Miscellaneous (55).....                       | 220.4   | 253.9   | 106.0   | 66.1    | 19.7  | 8.7     | 44.9    | 76.1    |
| Telephone (98)²                               | 253.1   | 277.8   | 270.6   | 272.7   | 224.2 | 183.9   | 185.3   | 194.4   |
| Other public utilities (53)³                  | 228.2   | 252.2   | 250.6   | 240.8   | 198.6 | 169.0   | 163.6   | 176.1   |
| Class I railroads (169)⁴                      | 1,172.4 | 1,252.3 | 868.9   | 526.7   | 326.5 | 474.3   | 455.7   | 496.8   |

¹ Defect.

² Excluding tires.

³ Net operating income.

⁴ Net income.

## No. 331.—CAPITAL ISSUES: SUMMARY, BY CLASSES, 1919 TO 1935

NOTE.—In millions and tenths of millions of dollars. Data cover domestic and foreign issues in the United States. Preferred stocks of no par value and all common stocks are taken at their offering price, other issues at par, except that in the figures for corporate issues for 1912 to 1918 all stocks are included at their market value. Corporate issues for 1912 to 1918 exclude real estate offerings and privileged stock subscriptions included in figures beginning 1919, and issues of less than \$100,000. State and municipal issues include bonds issued by States, Territories, and possessions, counties and municipalities, and by school and road districts and other independent governmental bodies

| Year      | Total issues | New capital | Refund-<br>ing | Total issues, by kinds |                     |                 |                    |                                                |                           |
|-----------|--------------|-------------|----------------|------------------------|---------------------|-----------------|--------------------|------------------------------------------------|---------------------------|
|           |              |             |                | Corporate              |                     |                 |                    | Farm-<br>loan<br>and<br>Gov't<br>agen-<br>cies | State<br>and<br>municipal |
|           |              |             |                | Rail-<br>roads         | Public<br>utilities | Indus-<br>trial | Miscel-<br>laneous |                                                |                           |
| 1919..... | 4,286.2      | 3,588.4     | 697.8          | 208.1                  | 462.3               | 1,691.6         | 377.7              | 110.0                                          | 703.2                     |
| 1920..... | 4,010.0      | 3,634.8     | 375.2          | 377.9                  | 496.8               | 1,627.6         | 464.0              | 699.5                                          | 344.3                     |
| 1921..... | 4,203.8      | 3,576.7     | 627.1          | 655.3                  | 671.1               | 848.6           | 215.9              | 1,235.7                                        | 455.3                     |
| 1922..... | 5,235.9      | 4,304.4     | 931.5          | 651.5                  | 980.4               | 916.8           | 525.5              | 386.4                                          | 1,143.7                   |
| 1923..... | 4,989.7      | 4,304.4     | 685.3          | 518.2                  | 1,138.4             | 1,044.8         | 531.4              | 392.5                                          | 1,071.3                   |
| 1924..... | 6,352.5      | 5,563.2     | 789.3          | 940.3                  | 1,529.6             | 806.7           | 563.0              | 179.1                                          | 1,407.8                   |
| 1925..... | 7,126.0      | 6,220.2     | 905.9          | 514.7                  | 1,710.0             | 1,270.2         | 1,243.2            | 188.2                                          | 1,408.4                   |
| 1926..... | 7,430.3      | 6,344.1     | 1,086.1        | 422.6                  | 1,968.0             | 1,010.2         | 1,298.8            | 131.3                                          | 1,375.5                   |
| 1927..... | 9,938.7      | 7,791.1     | 2,147.6        | 962.8                  | 2,977.4             | 1,673.8         | 1,705.2            | 179.6                                          | 1,522.5                   |
| 1928..... | 9,991.8      | 8,114.4     | 1,877.5        | 727.7                  | 2,562.3             | 1,816.9         | 2,710.9            | 63.9                                           | 1,420.9                   |
| 1929..... | 11,592.2     | 10,182.8    | 1,409.4        | 817.2                  | 2,442.8             | 2,450.8         | 4,306.6            | 1,435.7                                        | 130.1                     |
| 1930..... | 7,677.0      | 7,023.4     | 653.7          | 1,026.5                | 2,696.2             | 1,151.9         | 728.6              | 86.5                                           | 1,497.6                   |
| 1931..... | 4,022.9      | 3,115.5     | 907.4          | 516.5                  | 1,538.9             | 329.6           | 204.0              | 125.6                                          | 1,258.0                   |
| 1932..... | 1,730.3      | 1,162.2     | 568.0          | 61.0                   | 540.3               | 20.9            | 21.8               | 169.6                                          | 850.8                     |
| 1933..... | 1,053.7      | 709.5       | 344.2          | 99.9                   | 92.7                | 189.6           | 2.3                | 90.2                                           | 522.0                     |
| 1934..... | 2,212.3      | 1,386.3     | 825.9          | 249.2                  | 158.4               | 53.2            | 30.2               | 721.7                                          | 939.5                     |
| 1935..... | 4,752.3      | 1,412.1     | 3,340.2        | 196.7                  | 1,283.8             | 706.5           | 80.4               | 1,137.1                                        | 1,231.8                   |

## CORPORATE ISSUES BY CLASS OF SECURITY (NEW CAPITAL AND REFUNDING)³

| Year      | Total   | Long-term<br>bonds<br>and<br>notes | Short-term<br>bonds<br>and<br>notes | Stocks    | Year     | Total   | Long-term<br>bonds<br>and<br>notes | Short-term<br>bonds<br>and<br>notes | Stocks |
|-----------|---------|------------------------------------|-------------------------------------|-----------|----------|---------|------------------------------------|-------------------------------------|--------|
| 1912..... | 2,253.6 | 1,349.5                            | 904.1                               | 1924..... | 3,838.6  | 2,569.3 | 403.0                              | 865.3                               |        |
| 1913..... | 1,645.7 | 1,193.9                            | 451.9                               | 1925..... | 4,738.1  | 3,040.2 | 386.9                              | 1,311.0                             |        |
| 1914..... | 1,438.5 | 1,174.7                            | 261.8                               | 1926..... | 5,290.6  | 3,648.0 | 333.8                              | 1,317.8                             |        |
| 1915..... | 1,435.4 | 1,110.6                            | 324.7                               | 1927..... | 7,319.2  | 5,190.4 | 355.5                              | 1,773.3                             |        |
| 1916..... | 2,186.5 | 1,405.0                            | 781.5                               | 1928..... | 7,817.9  | 5,916.6 | 274.1                              | 1,627.2                             |        |
| 1917..... | 1,530.0 | 1,075.5                            | 454.5                               | 1929..... | 10,028.4 | 7,842.3 | 262.6                              | 1,923.5                             |        |
| 1918..... | 1,344.8 | 1,047.1                            | 297.7                               | 1930..... | 5,473.3  | 3,248.0 | 657.0                              | 1,568.3                             |        |
| 1919..... | 2,739.7 | 633.7                              | 540.2                               | 1931..... | 2,589.0  | 1,840.8 | 405.1                              | 343.1                               |        |
| 1920..... | 2,966.3 | 1,234.4                            | 660.8                               | 1932..... | 643.9    | 405.8   | 214.0                              | 24.0                                |        |
| 1921..... | 2,890.9 | 1,596.2                            | 215.4                               | 1933..... | 331.6    | 138.5   | 90.4                               | 152.7                               |        |
| 1922..... | 3,073.3 | 2,304.3                            | 145.0                               | 1934..... | 491.1    | 287.0   | 169.5                              | 34.6                                |        |
| 1923..... | 3,232.8 | 2,316.4                            | 180.5                               | 1935..... | 2,267.4  | 2,066.1 | 50.5                               | 150.8                               |        |

¹ Comprises the following classifications given in the original detailed statements: Iron, steel, coal, copper, etc., equipment manufactures, motors and accessories, oil, rubber, and miscellaneous industrials.

² See note 1, table 332.

³ Figures for 1912 to 1918 are from the New York Journal of Commerce.

Sources: Table 330, Fed. Res. Bank of New York; table 331, Commercial and Financial Chronicle, except as noted.

# No. 332.—CAPITAL ISSUES: CORPORATE, FOREIGN GOVERNMENT, FARM LOAN, AND STATE AND MUNICIPAL

[In millions and tenths of millions of dollars. See headnote table 331]

| Kind of issue                        | 1925    | 1929     | 1930    | 1931    | 1932    | 1933    | 1934    | 1935    |
|--------------------------------------|---------|----------|---------|---------|---------|---------|---------|---------|
| <b>TOTAL</b>                         |         |          |         |         |         |         |         |         |
| All issues                           | 9,991.8 | 11,592.2 | 7,677.0 | 4,022.9 | 1,730.3 | 1,053.7 | 2,212.3 | 4,752.3 |
| Corporate, total                     | 7,817.9 | 10,026.4 | 5,473.3 | 2,589.0 | 843.9   | 381.6   | 491.1   | 2,267.4 |
| Domestic:                            |         |          |         |         |         |         |         |         |
| Long-term bonds and notes            | 3,174.1 | 2,369.4  | 2,810.3 | 1,628.0 | 405.8   | 138.5   | 287.0   | 2,066.1 |
| Short-term bonds and notes           | 264.9   | 250.6    | 620.3   | 400.1   | 214.0   | 83.8    | 168.3   | 50.6    |
| Preferred stocks                     | 1,397.1 | 1,694.7  | 421.5   | 143.0   | 10.9    | 15.2    | 3.2     | 123.7   |
| Common stocks                        | 2,094.1 | 5,061.8  | 1,105.0 | 195.1   | 13.1    | 137.4   | 31.4    | 27.2    |
| Canadian                             | 282.1   | 314.1    | 297.1   | 140.0   |         |         |         |         |
| Other foreign                        | 605.5   | 335.7    | 219.1   | 77.8    |         | 1.6     | 1.2     |         |
| Canadian Government                  | 33.1    | 61.8     | 137.7   | 50.4    | 66.0    | 60.0    | 50.0    | 116.0   |
| Other foreign government             | 651.1   | 68.3     | 451.9   |         |         |         | 10.0    |         |
| Farm-loan and government agencies    | 63.9    |          | 86.5    | 125.6   | 159.6   | 90.2    | 721.7   | 1,137.1 |
| State and municipal:                 |         |          |         |         |         |         |         |         |
| Domestic                             | 1,414.8 | 1,430.7  | 1,487.3 | 1,256.3 | 849.5   | 520.5   | 39.5    | 1,220.2 |
| U. S. territories and possessions    | 6.2     | 5.1      | 10.3    | 1.7     | 1.3     | 1.5     |         | 11.7    |
| <b>NEW CAPITAL</b>                   |         |          |         |         |         |         |         |         |
| All issues                           | 8,114.4 | 10,182.8 | 7,028.4 | 3,115.5 | 1,192.2 | 709.5   | 1,386.3 | 1,412.1 |
| Corporate, total                     | 6,079.6 | 8,639.4  | 4,944.4 | 1,763.4 | 325.4   | 160.7   | 178.3   | 493.6   |
| Domestic:                            |         |          |         |         |         |         |         |         |
| Long-term bonds and notes            | 2,174.8 | 1,873.5  | 2,459.7 | 950.7   | 271.0   | 23.6    | 112.1   | 322.9   |
| Short-term bonds and notes           | 210.5   | 204.7    | 520.0   | 288.7   | 34.1    | 16.7    | 31.6    | 11.8    |
| Preferred stocks                     | 1,149.1 | 1,518.7  | 412.2   | 116.2   | 10.5    | 15.2    | 3.2     | 54.5    |
| Common stocks                        | 1,811.6 | 4,407.1  | 1,091.2 | 195.1   | 9.7     | 105.1   | 31.4    | 14.8    |
| Canadian                             | 183.3   | 314.1    | 251.2   | 140.0   |         |         |         |         |
| Other foreign                        | 550.2   | 323.3    | 210.1   | 72.8    |         |         |         |         |
| Canadian Government                  | 35.1    | 52.2     | 130.6   | 40.9    | 26.0    |         |         |         |
| Other foreign government             | 550.6   | 68.3     | 417.3   |         |         |         |         |         |
| Farm-loan and government agencies    | 63.9    |          | 86.5    | 74.6    | 77.1    | 63.9    | 405.1   | 150.1   |
| State and municipal:                 |         |          |         |         |         |         |         |         |
| Domestic                             | 1,379.1 | 1,417.8  | 1,434.3 | 1,234.8 | 762.5   | 483.4   | 803.0   | 855.0   |
| U. S. territories and possessions    | 6.2     | 5.1      | 10.3    | 1.7     | 1.3     | 1.5     |         | 3.5     |
| <b>REFUNDING</b>                     |         |          |         |         |         |         |         |         |
| All issues                           | 1,877.5 | 1,406.4  | 653.7   | 907.4   | 538.0   | 344.2   | 825.9   | 3,340.2 |
| Corporate, total                     | 1,738.3 | 1,386.9  | 528.9   | 825.5   | 318.5   | 220.9   | 312.8   | 1,863.9 |
| Domestic:                            |         |          |         |         |         |         |         |         |
| Long-term bonds and notes            | 999.3   | 495.9    | 350.6   | 677.3   | 134.8   | 114.9   | 174.9   | 1,743.1 |
| Short-term bonds and notes           | 54.4    | 45.9     | 100.2   | 111.4   | 179.9   | 72.1    | 136.7   | 39.2    |
| Preferred stocks                     | 248.0   | 178.0    | 9.4     | 31.9    |         |         |         | 60.2    |
| Common stocks                        | 232.5   | 654.7    | 13.8    |         | 3.4     | 32.3    |         | 12.3    |
| Canadian                             | 98.8    |          | 45.9    |         |         |         |         |         |
| Other foreign                        | 55.3    | 12.4     | 9.0     | 5.0     |         | 1.6     | 1.2     |         |
| Canadian Government                  | 3.0     | 9.6      | 7.2     | 9.5     | 40.0    | 60.0    | 50.0    | 116.0   |
| Other foreign government             | 100.5   |          | 64.6    |         |         |         | 10.0    |         |
| Farm-loan and government agencies    |         |          |         | 51.0    | 92.5    | 26.3    | 318.6   | 987.0   |
| State and municipal:                 |         |          |         |         |         |         |         |         |
| Domestic                             | 35.6    | 12.9     | 53.0    | 21.4    | 87.0    | 37.1    | 136.5   | 365.2   |
| U. S. territories and possessions    |         |          |         |         |         |         |         | 8.2     |
| <b>CORPORATE ISSUES, NEW CAPITAL</b> |         |          |         |         |         |         |         |         |
| Total                                | 6,079.6 | 8,639.4  | 4,944.4 | 1,763.4 | 325.4   | 160.7   | 178.3   | 493.6   |
| Railroads                            | 364.1   | 546.5    | 797.4   | 345.6   | 13.1    | 12.0    | 72.7    | 72.8    |
| Public utilities                     | 1,811.5 | 1,932.0  | 2,365.1 | 948.6   | 274.4   | 34.2    | 49.4    | 83.6    |
| Iron, steel, coal, copper, etc.      | 208.2   | 274.4    | 200.8   | 107.2   | 3.5     | 3.4     |         | 112.9   |
| Equipment manufacturers              | 9.1     | 2.4      | 27.0    | 12.9    |         |         |         |         |
| Motors and accessories               | 66.8    | 82.1     | 16.2    |         |         | 9       |         | 14.4    |
| Other industrial and manufacturing   | 852.5   | 1,177.2  | 519.7   | 136.6   | 10.9    | 106.2   | 23.8    | 76.0    |
| Oil                                  | 193.7   | 270.9    | 263.5   | 15.1    |         | 1.8     | 1.0     | 10.3    |
| Land, buildings, etc.                | 716.3   | 520.4    | 244.5   | 129.0   | 8.1     | .9      | .4      | 2.0     |
| Rubber                               | 55.9    | 90.0     | 33.9    |         | 2.2     |         | .5      |         |
| Shipping                             | 21.2    | 31.3     | 10.0    | 1.7     |         |         |         |         |
| Inv. trusts, trading, holding, etc.  | 786.7   | 2,222.2  | 232.7   | 4.1     | 1.2     | 1.1     | 18.8    | 2.0     |
| Miscellaneous                        | 994.2   | 1,489.9  | 233.5   | 62.6    | 12.0    | .3      | 11.0    | 29.6    |

<sup>1</sup> These figures do not include funds obtained by States and municipalities from any agencies of the Federal Government.

Source: Commercial and Financial Chronicle.

# No. 333.—FOREIGN CAPITAL ISSUES (GOVERNMENTAL AND CORPORATE) PUBLICLY OFFERED IN THE UNITED STATES

[Amounts in thousands of dollars]

| Year      | Number of issues | Total nominal capital | Estimated refunding to Americans | Estimated new nominal capital | Year      | Number of issues | Total nominal capital | Estimated refunding to Americans | Estimated new nominal capital |
|-----------|------------------|-----------------------|----------------------------------|-------------------------------|-----------|------------------|-----------------------|----------------------------------|-------------------------------|
| 1914..... | 26               | 44,670                | 655                              | 44,015                        | 1925..... | 164              | 1,316,166             | 239,700                          | 1,076,466                     |
| 1915..... | 80               | 817,529               | 13,675                           | 803,854                       | 1926..... | 230              | 1,288,459             | 162,978                          | 1,125,481                     |
| 1916..... | 102              | 1,159,601             | 8,700                            | 1,150,901                     | 1927..... | 265              | 1,577,414             | 240,064                          | 1,336,780                     |
| 1917..... | 65               | 720,297               | 37,650                           | 682,647                       | 1928..... | 221              | 1,489,362             | 238,410                          | 1,250,951                     |
| 1918..... | 28               | 23,485                | 2,600                            | 20,885                        | 1929..... | 148              | 705,768               | 84,537                           | 671,231                       |
| 1919..... | 65               | 771,045               | 379,257                          | 391,787                       | 1930..... | 121              | 1,087,560             | 182,227                          | 905,333                       |
| 1920..... | 104              | 602,938               | 105,500                          | 497,438                       | 1931..... | 41               | 285,200               | 56,365                           | 228,835                       |
| 1921..... | 116              | 692,413               | 69,105                           | 623,308                       | 1932..... | 7                | 87,885                | 58,530                           | 29,355                        |
| 1922..... | 162              | 863,048               | 99,421                           | 763,627                       | 1933..... | 6                | 70,874                | 60,091                           | 10,783                        |
| 1923..... | 76               | 497,597               | 77,000                           | 420,597                       | 1934..... | 2                | 9,387                 | 9,387                            | -----                         |
| 1924..... | 120              | 1,217,218             | 247,994                          | 969,224                       | 1935..... | 2                | 62,000                | 16,460                           | 45,550                        |

Source: Bureau of Foreign and Domestic Commerce, Department of Commerce.

# No. 334.—COMMERCIAL FAILURES: NUMBER AND ASSETS AND LIABILITIES

NOTE.—In January 1936, statistics were revised to exclude failures of insurance and real estate agents and brokers, holding and finance companies, shipping agents, tourist companies, transportation terminals, and such, all of which were formerly included in the old group "Agents, brokers, and commercial service", and limited more strictly to commercial failures. These revisions make the failure record accord more nearly to the type of concerns included in the count of "Number of concerns in business", in which no changes were made. The following table and table 335 present revised statistics beginning with January 1933, and also figures for 1933 to 1935 on the old basis for comparison with earlier years

| Calendar year | Number of failures | Liabilities (1,000 dollars) | Average liability | Calendar year           | Total number of concerns in business | Number of failures | Assets (1,000 dollars) | Liabilities (1,000 dollars) | Average liability |
|---------------|--------------------|-----------------------------|-------------------|-------------------------|--------------------------------------|--------------------|------------------------|-----------------------------|-------------------|
| 1857.....     | 4,932              | 291,750                     | \$59,165          | 1898.....               | 1,105,830                            | 12,186             | 82,577                 | 130,663                     | \$10,722          |
| 1858.....     | 4,225              | 95,749                      | 22,662            | 1899.....               | 1,147,595                            | 9,337              | 90,221                 | 90,880                      | 9,733             |
| 1859.....     | 3,913              | 64,994                      | 16,456            | 1900.....               | 1,174,300                            | 10,774             | 78,080                 | 138,496                     | 12,854            |
| 1860.....     | 3,676              | 79,807                      | 21,710            | 1901.....               | 1,219,242                            | 11,002             | 55,466                 | 113,092                     | 10,279            |
| 1861.....     | 6,993              | 207,210                     | 29,631            | 1902.....               | 1,253,172                            | 11,615             | 58,780                 | 117,477                     | 10,137            |
| 1862.....     | 1,652              | 23,049                      | 13,952            | 1903.....               | 1,281,481                            | 12,069             | 90,014                 | 155,444                     | 12,879            |
| 1863.....     | 495                | 7,900                       | 15,968            | 1904.....               | 1,320,172                            | 12,199             | 84,438                 | 144,202                     | 11,820            |
| 1864.....     | 520                | 8,679                       | 16,498            | 1905.....               | 1,357,455                            | 11,520             | 57,826                 | 102,676                     | 8,913             |
| 1865.....     | 580                | 17,625                      | 33,256            | 1906.....               | 1,392,949                            | 10,682             | 66,610                 | 119,202                     | 11,159            |
| 1866.....     | 1,595              | 53,783                      | 35,736            | 1907.....               | 1,418,075                            | 11,725             | 138,536                | 197,385                     | 16,834            |
| 1867.....     | 2,780              | 96,666                      | 34,772            | 1908.....               | 1,447,554                            | 15,690             | 146,199                | 222,316                     | 14,169            |
| 1868.....     | 2,608              | 69,694                      | 24,423            | 1909.....               | 1,486,389                            | 12,924             | 102,773                | 154,603                     | 11,993            |
| 1869.....     | 2,799              | 75,054                      | 26,815            | 1910.....               | 1,516,143                            | 12,652             | 136,538                | 201,767                     | 15,947            |
| 1870.....     | 3,546              | 88,242                      | 24,885            | 1911.....               | 1,526,024                            | 13,441             | 124,517                | 191,062                     | 14,215            |
| 1871.....     | 2,915              | 85,252                      | 29,246            | 1912.....               | 1,564,279                            | 15,462             | 126,287                | 203,117                     | 13,145            |
| 1872.....     | 4,069              | 121,056                     | 29,751            | 1913.....               | 1,616,517                            | 16,037             | 174,688                | 272,672                     | 17,003            |
| 1873.....     | 5,183              | 228,500                     | 44,086            | 1914.....               | 1,655,496                            | 18,280             | 265,293                | 357,909                     | 19,579            |
| 1874.....     | 5,830              | 155,239                     | 26,628            | 1915.....               | 1,674,788                            | 22,156             | 183,454                | 302,286                     | 13,644            |
| 1875.....     | 7,740              | 201,060                     | 25,977            | 1916.....               | 1,707,639                            | 16,993             | 113,590                | 196,212                     | 11,647            |
| 1876.....     | 9,092              | 191,118                     | 21,020            | 1917.....               | 1,733,225                            | 13,855             | 103,465                | 182,441                     | 13,168            |
| 1877.....     | 8,872              | 190,670                     | 21,491            | 1918.....               | 1,708,061                            | 9,982              | 101,638                | 163,020                     | 16,331            |
| 1878.....     | 10,478             | 234,383                     | 22,369            | 1919.....               | 1,710,909                            | 6,451              | 67,038                 | 113,291                     | 17,561            |
| 1879.....     | 6,658              | 98,149                      | 14,741            | 1920.....               | 1,821,409                            | 8,881              | 195,504                | 295,122                     | 33,230            |
| 1880.....     | 4,735              | 65,752                      | 13,886            | 1921.....               | 1,927,304                            | 19,652             | 409,038                | 627,402                     | 31,926            |
| 1881.....     | 5,582              | 81,156                      | 14,530            | 1922.....               | 1,953,106                            | 23,676             | 413,368                | 623,896                     | 26,351            |
| 1882.....     | 6,785              | 101,848                     | 15,070            | 1923.....               | 1,995,004                            | 18,718             | 388,382                | 539,387                     | 28,816            |
| 1883.....     | 9,184              | 172,874                     | 18,823            | 1924.....               | 2,047,302                            | 20,615             | 337,945                | 543,225                     | 26,351            |
| 1884.....     | 10,968             | 226,343                     | 20,632            | 1925.....               | 2,113,312                            | 21,214             | 248,067                | 443,744                     | 20,918            |
| 1885.....     | 10,637             | 134,220                     | 11,678            | 1926.....               | 2,168,457                            | 21,773             | 202,345                | 409,232                     | 18,795            |
| 1886.....     | 9,834              | 114,844                     | 11,651            | 1927.....               | 2,171,888                            | 23,146             | 256,740                | 520,104                     | 22,471            |
| 1887.....     | 9,634              | 167,561                     | 17,392            | 1928.....               | 2,199,049                            | 23,842             | 265,478                | 489,560                     | 20,533            |
| 1888.....     | 10,679             | 123,832                     | 11,696            | 1929.....               | 2,212,779                            | 22,909             | 226,028                | 483,250                     | 21,094            |
| 1889.....     | 10,882             | 148,784                     | 13,672            | 1930.....               | 2,183,008                            | 26,355             | 442,800                | 608,284                     | 25,367            |
| 1890.....     | 10,907             | 189,857                     | 17,406            | 1931.....               | 2,125,288                            | 28,285             | 434,939                | 736,309                     | 26,032            |
| 1891.....     | 12,273             | 189,869                     | 15,471            | 1932.....               | 2,076,580                            | 31,822             | 509,135                | 928,313                     | 29,172            |
| 1892.....     | 10,344             | 114,044                     | 11,025            | 1933 <sup>1</sup> ..... | 1,990,701                            | 30,907             | 370,730                | 602,391                     | 24,761            |
| 1893.....     | 15,242             | 346,780                     | 22,751            | 1934 <sup>1</sup> ..... | 1,973,900                            | 18,185             | 164,220                | 264,243                     | 21,686            |
| 1894.....     | 15,885             | 172,993                     | 12,458            | 1935 <sup>1</sup> ..... | 1,982,905                            | 11,879             | 88,490                 | 330,121                     | 19,579            |
| 1895.....     | 13,197             | 173,196                     | 13,124            | 1936 <sup>1</sup> ..... | 1,960,701                            | 19,859             | 251,875                | 457,520                     | 23,038            |
| 1896.....     | 15,088             | 226,066                     | 14,986            | 1937 <sup>1</sup> ..... | 1,973,900                            | 11,724             | 143,075                | 230,198                     | 19,635            |
| 1897.....     | 13,351             | 154,332                     | 11,559            | 1938 <sup>1</sup> ..... | 1,982,905                            | 11,510             | 94,867                 | 183,013                     | 16,900            |

<sup>1</sup> See headnote regarding revisions. Figures for 1933 to 1935 in italics are on the old basis and are comparable with figures for earlier years. Other figures for these years are revised data.

Source: Dun and Bradstreet Inc., New York, N. Y.

## No. 335.—COMMERCIAL FAILURES: NUMBER AND LIABILITIES, BY MONTHS

| Year                                | Jan.   | Feb.   | Mar.   | Apr.    | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
|-------------------------------------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Number of failures:</b>          |        |        |        |         |        |        |        |        |        |        |        |        |
| 1928                                | 2,643  | 2,178  | 2,236  | 1,818   | 2,008  | 1,947  | 1,723  | 1,852  | 1,635  | 2,023  | 1,838  | 1,943  |
| 1929                                | 2,535  | 1,965  | 1,987  | 2,021   | 1,897  | 1,767  | 1,752  | 1,762  | 1,568  | 1,822  | 1,706  | 2,037  |
| 1930                                | 2,789  | 2,262  | 2,347  | 2,108   | 2,179  | 2,026  | 2,028  | 1,913  | 1,963  | 2,124  | 2,031  | 2,525  |
| 1931                                | 3,316  | 2,563  | 2,604  | 2,383   | 2,248  | 1,993  | 1,983  | 1,944  | 1,936  | 2,362  | 2,195  | 2,758  |
| 1932                                | 3,468  | 2,732  | 2,951  | 2,816   | 2,788  | 2,688  | 2,590  | 2,796  | 2,182  | 2,273  | 2,073  | 2,469  |
| 1933                                | 2,819  | 2,378  | 1,948  | 1,981   | 1,909  | 1,618  | 1,421  | 1,478  | 1,116  | 1,206  | 1,237  | 1,132  |
| 1934                                | 1,864  | 1,049  | 1,102  | 1,052   | 977    | 1,053  | 918    | 929    | 790    | 1,031  | 923    | 993    |
| 1935                                | 1,184  | 1,006  | 976    | 1,115   | 1,087  | 961    | 981    | 910    | 808    | 1,007  | 987    | 910    |
| 1933                                | 2,889  | 2,367  | 1,912  | 1,902   | 1,846  | 1,596  | 1,375  | 1,427  | 1,075  | 1,167  | 1,195  | 1,108  |
| 1934                                | 1,317  | 1,017  | 1,069  | 1,020   | 942    | 992    | 870    | 872    | 771    | 1,039  | 882    | 933    |
| 1935                                | 1,146  | 956    | 940    | 1,033   | 1,004  | 944    | 902    | 884    | 787    | 1,056  | 898    | 910    |
| 1936                                | 1,077  | 856    | 946    | 830     | 832    | 773    |        |        |        |        |        |        |
| <b>Liabilities (1,000 dollars):</b> |        |        |        |         |        |        |        |        |        |        |        |        |
| 1928                                | 47,634 | 45,071 | 54,814 | 37,985  | 36,117 | 29,827 | 29,587 | 58,202 | 33,957 | 34,990 | 40,601 | 40,774 |
| 1929                                | 53,877 | 34,036 | 36,356 | 35,270  | 41,216 | 31,375 | 32,423 | 33,746 | 34,125 | 31,314 | 52,049 | 67,465 |
| 1930                                | 61,185 | 61,326 | 55,846 | 48,059  | 55,541 | 63,181 | 826    | 49,181 | 46,947 | 56,267 | 55,261 | 83,663 |
| 1931                                | 94,608 | 59,608 | 60,387 | 50,863  | 53,371 | 61,656 | 60,998 | 53,026 | 47,256 | 70,060 | 60,660 | 73,213 |
| 1932                                | 96,860 | 84,900 | 93,760 | 101,069 | 83,764 | 76,931 | 87,190 | 77,031 | 56,128 | 52,870 | 63,621 | 64,189 |
| 1933                                | 79,101 | 65,676 | 48,500 | 61,097  | 47,972 | 35,345 | 27,481 | 42,778 | 21,347 | 30,532 | 25,353 | 27,200 |
| 1934                                | 32,905 | 19,445 | 27,223 | 25,787  | 22,561 | 23,858 | 19,326 | 18,450 | 19,440 | 19,968 | 18,350 | 19,911 |
| 1935                                | 18,324 | 18,738 | 18,523 | 18,064  | 15,670 | 80,469 | 80,447 | 17,846 | 21,353 | 22,244 | 20,023 | 17,443 |
| 1933                                | 77,064 | 63,694 | 44,806 | 49,522  | 43,469 | 31,697 | 22,980 | 37,287 | 16,663 | 27,254 | 21,210 | 21,874 |
| 1934                                | 29,035 | 16,772 | 24,002 | 22,871  | 20,787 | 20,591 | 15,555 | 15,703 | 15,552 | 16,973 | 14,376 | 15,981 |
| 1935                                | 14,603 | 15,217 | 15,361 | 16,529  | 14,339 | 12,918 | 18,523 | 13,268 | 17,002 | 17,185 | 14,384 | 15,686 |
| 1936                                | 18,104 | 14,089 | 16,271 | 14,167  | 15,375 | 9,177  |        |        |        |        |        |        |

<sup>1</sup> See headnote table 334 regarding revisions in statistics of failures. Figures for 1933 to 1935 in italics are on the old basis and are comparable with figures for earlier years. Other figures for these years are revised data comparable with figures for 1936.

Sources: Dun and Bradstreet, Inc., New York, N. Y.

## No. 336.—COMMERCIAL FAILURES: BY STATES, 1934 AND 1935

NOTE.—See headnote table 334 regarding revisions in statistics of failures. Figures in the following table are on the revised basis

(Liabilities in thousands of dollars)

| Division and State         | 1934          |                | 1935          |                | Division and State               | 1934         |               | 1935         |               |
|----------------------------|---------------|----------------|---------------|----------------|----------------------------------|--------------|---------------|--------------|---------------|
|                            | Num-ber       | Liabili-ties   | Num-ber       | Liabili-ties   |                                  | Num-ber      | Liabili-ties  | Num-ber      | Liabili-ties  |
| <b>United States</b>       | <b>11,724</b> | <b>230,198</b> | <b>11,510</b> | <b>183,013</b> | <b>South Atlantic—Continued.</b> |              |               |              |               |
| New England                | 1,306         | 20,952         | 1,265         | 15,413         | Virginia                         | 153          | 1,450         | 90           | 849           |
| Maine                      | 109           | 1,387          | 131           | 1,231          | West Virginia                    | 140          | 2,282         | 111          | 1,729         |
| New Hampshire              | 35            | 610            | 62            | 1,122          | North Carolina                   | 112          | 3,000         | 132          | 1,812         |
| Vermont                    | 23            | 398            | 24            | 632            | South Carolina                   | 34           | 776           | 11           | 185           |
| Massachusetts              | 692           | 13,617         | 635           | 8,523          | Georgia                          | 82           | 1,621         | 141          | 912           |
| Rhode Island               | 162           | 1,035          | 158           | 876            | Florida                          | 63           | 814           | 68           | 1,043         |
| Connecticut                | 285           | 3,861          | 255           | 2,729          | <b>East South Central.</b>       | <b>333</b>   | <b>6,218</b>  | <b>401</b>   | <b>5,631</b>  |
| Middle Atlantic            | 4,162         | 99,313         | 4,564         | 87,359         | Kentucky                         | 73           | 1,289         | 104          | 1,488         |
| New York                   | 2,775         | 59,170         | 2,966         | 53,773         | Tennessee                        | 132          | 1,899         | 145          | 1,267         |
| New Jersey                 | 717           | 16,118         | 765           | 18,750         | Alabama                          | 69           | 1,005         | 86           | 2,372         |
| Pennsylvania               | 670           | 24,023         | 625           | 14,830         | Mississippi                      | 59           | 2,045         | 66           | 504           |
| <b>East North Central</b>  | <b>2,064</b>  | <b>48,761</b>  | <b>1,941</b>  | <b>33,620</b>  | <b>West South Central.</b>       |              |               |              |               |
| Ohio                       | 610           | 15,020         | 587           | 9,877          | Arkansas                         | 455          | 6,368         | 511          | 6,379         |
| Indiana                    | 185           | 2,866          | 160           | 2,770          | Louisiana                        | 66           | 825           | 88           | 944           |
| Illinois                   | 708           | 17,243         | 698           | 10,446         | Oklahoma                         | 43           | 789           | 29           | 568           |
| Michigan                   | 261           | 5,812          | 234           | 6,538          | Texas                            | 118          | 1,230         | 142          | 1,114         |
| Wisconsin                  | 291           | 7,757          | 262           | 4,969          |                                  | 228          | 3,423         | 232          | 3,719         |
| <b>West North Central.</b> |               |                |               |                | <b>Mountain.</b>                 | <b>247</b>   | <b>2,698</b>  | <b>220</b>   | <b>1,591</b>  |
| Minnesota                  | 777           | 8,890          | 563           | 6,544          | Montana                          | 39           | 334           | 23           | 104           |
| Iowa                       | 183           | 2,213          | 142           | 1,647          | Idaho                            | 24           | 532           | 36           | 197           |
| Missouri                   | 146           | 1,973          | 97            | 1,052          | Wyoming                          | 13           | 85            | 6            | 67            |
| North Dakota               | 196           | 1,871          | 182           | 1,783          | Colorado                         | 93           | 1,089         | 100          | 972           |
| South Dakota               | 18            | 180            | 10            | 91             | New Mexico                       | 8            | 190           | 7            | 36            |
| Nebraska                   | 28            | 396            | 22            | 953            | Arizona                          | 6            | 17            |              |               |
| Kansas                     | 140           | 893            | 80            | 501            | Utah                             | 59           | 410           | 42           | 189           |
|                            | 66            | 1,364          | 50            | 517            | Nevada                           | 5            | 41            | 6            | 26            |
| <b>South Atlantic.</b>     | <b>898</b>    | <b>13,607</b>  | <b>731</b>    | <b>8,629</b>   | <b>Pacific.</b>                  | <b>1,662</b> | <b>23,646</b> | <b>1,424</b> | <b>17,853</b> |
| Delaware                   | 7             | 251            | 6             | 74             | Washington                       | 261          | 3,033         | 182          | 2,181         |
| Maryland                   | 176           | 2,737          | 132           | 1,517          | Oregon                           | 198          | 1,806         | 218          | 2,533         |
| Dist. of Col.              | 61            | 676            | 40            | 508            | California                       | 1,103        | 18,706        | 1,024        | 13,139        |

Source: Dun and Bradstreet, Inc., New York, N. Y.

## No. 337.—COMMERCIAL FAILURES: BY STATES AND INDUSTRIAL GROUPS, 1935

NOTE.—Figures in the following table are on the "old basis" (see headnote table 334) and are comparable with data published in previous issues of this report. Revised State data are not available by industrial groups. For revised State totals, see table 336

[Assets and liabilities in thousands of dollars]

| Division and State      | Number of concerns in business | Failures |        |             |               |             |         |             |                       |             |
|-------------------------|--------------------------------|----------|--------|-------------|---------------|-------------|---------|-------------|-----------------------|-------------|
|                         |                                | Total    |        |             | Manufacturing |             | Trading |             | Agents, brokers, etc. |             |
|                         |                                | Number   | Assets | Liabilities | Number        | Liabilities | Number  | Liabilities | Number                | Liabilities |
| United States.....      | 1,982,905                      | 11,879   | 88,490 | 230,121     | 2,842         | 72,912      | 8,035   | 95,318      | 1,002                 | 61,891      |
| New England.....        | 150,671                        | 1,297    | 5,548  | 18,853      | 348           | 5,899       | 828     | 8,285       | 123                   | 4,669       |
| Maine.....              | 15,103                         | 135      | 397    | 1,391       | 39            | 235         | 78      | 911         | 18                    | 244         |
| New Hampshire.....      | 10,794                         | 62       | 477    | 1,122       | 13            | 638         | 46      | 449         | 4                     | 30          |
| Vermont.....            | 6,564                          | 24       | 367    | 630         | 5             | 162         | 16      | 221         | 3                     | 247         |
| Massachusetts.....      | 77,740                         | 661      | 2,182  | 12,092      | 207           | 3,593       | 376     | 4,680       | 78                    | 3,919       |
| Rhode Island.....       | 11,884                         | 158      | 312    | 873         | 30            | 190         | 119     | 638         | 9                     | 49          |
| Connecticut.....        | 28,606                         | 257      | 1,813  | 2,739       | 54            | 1,081       | 192     | 1,486       | 11                    | 173         |
| Middle Atlantic.....    | 489,504                        | 4,763    | 40,686 | 117,040     | 1,343         | 37,123      | 2,957   | 42,866      | 463                   | 37,052      |
| New York.....           | 247,366                        | 3,117    | 20,626 | 70,791      | 945           | 21,015      | 1,857   | 26,064      | 315                   | 22,812      |
| New Jersey.....         | 78,286                         | 815      | 10,257 | 31,019      | 223           | 6,477       | 496     | 8,351       | 96                    | 13,191      |
| Pennsylvania.....       | 163,852                        | 831      | 9,803  | 15,230      | 175           | 5,731       | 604     | 8,450       | 52                    | 1,049       |
| East North Central..... | 416,670                        | 1,875    | 28,005 | 38,760      | 515           | 15,284      | 1,218   | 15,380      | 144                   | 8,097       |
| Ohio.....               | 112,135                        | 592      | 5,543  | 10,471      | 166           | 4,310       | 400     | 4,668       | 36                    | 1,493       |
| Indiana.....            | 54,929                         | 180      | 1,430  | 2,770       | 48            | 1,680       | 105     | 998         | 7                     | 92          |
| Illinois.....           | 128,320                        | 611      | 5,577  | 11,345      | 159           | 3,670       | 395     | 5,337       | 57                    | 2,339       |
| Michigan.....           | 55,844                         | 244      | 4,823  | 8,706       | 59            | 2,989       | 104     | 2,427       | 21                    | 3,290       |
| Wisconsin.....          | 56,442                         | 268      | 3,632  | 5,498       | 93            | 2,634       | 152     | 1,950       | 23                    | 883         |
| West North Central..... | 233,355                        | 584      | 4,138  | 6,724       | 58            | 1,094       | 477     | 5,048       | 2                     | 581         |
| Minnesota.....          | 40,814                         | 142      | 997    | 1,647       | 20            | 217         | 124     | 1,315       | 8                     | 115         |
| Iowa.....               | 45,305                         | 97       | 463    | 1,051       | 10            | 247         | 84      | 785         | 3                     | 19          |
| Missouri.....           | 61,322                         | 163      | 1,174  | 1,964       | 14            | 442         | 139     | 1,268       | 10                    | 254         |
| North Dakota.....       | 11,987                         | 10       | 42     | 91          | 1             | 9           | 8       | 82          |                       |             |
| South Dakota.....       | 13,420                         | 22       | 750    | 952         | 3             | 100         | 17      | 826         | 2                     | 27          |
| Nebraska.....           | 25,239                         | 80       | 355    | 501         | 8             | 25          | 67      | 315         | 5                     | 161         |
| Kansas.....             | 34,268                         | 50       | 356    | 517         | 2             | 55          | 47      | 457         | 1                     | 6           |
| South Atlantic.....     | 194,172                        | 747      | 6,242  | 10,389      | 114           | 3,228       | 578     | 4,934       | 67                    | 2,227       |
| Delaware.....           | 4,365                          | 6        | 39     | 74          | 1             | 1           | 3       | 44          | 2                     | 29          |
| Maryland.....           | 30,898                         | 140      | 1,524  | 3,163       | 34            | 378         | 87      | 1,014       | 19                    | 1,771       |
| Dist. of Columbia.....  | 10,355                         | 46       | 172    | 586         | 13            | 236         | 23      | 169         | 10                    | 182         |
| Virginia.....           | 29,622                         | 91       | 408    | 851         | 9             | 214         | 79      | 623         | 3                     | 14          |
| West Virginia.....      | 21,131                         | 111      | 1,290  | 1,730       | 20            | 955         | 37      | 790         | 4                     | 15          |
| North Carolina.....     | 30,972                         | 132      | 1,528  | 1,811       | 18            | 912         | 105     | 833         | 9                     | 66          |
| South Carolina.....     | 13,493                         | 11       | 115    | 185         | 2             | 120         | 9       | 65          |                       |             |
| Georgia.....            | 28,189                         | 142      | 546    | 947         | 14            | 184         | 122     | 706         | 6                     | 57          |
| Florida.....            | 25,157                         | 68       | 621    | 1,040       | 3             | 229         | 61      | 719         | 4                     | 92          |
| East South Central..... | 87,625                         | 401      | 4,069  | 5,632       | 43            | 990         | 348     | 3,673       | 10                    | 969         |
| Kentucky.....           | 29,901                         | 104      | 1,068  | 1,487       | 17            | 603         | 82      | 858         | 6                     | 25          |
| Tennessee.....          | 28,903                         | 146      | 920    | 1,298       | 18            | 300         | 123     | 937         | 4                     | 31          |
| Alabama.....            | 21,052                         | 88       | 1,091  | 2,372       | 5             | 71          | 80      | 1,388       | 1                     | 913         |
| Mississippi.....        | 17,769                         | 66       | 391    | 506         | 3             | 16          | 63      | 489         |                       |             |
| West South Central..... | 169,089                        | 512      | 3,227  | 6,401       | 38            | 1,057       | 464     | 5,132       | 10                    | 182         |
| Arkansas.....           | 21,571                         | 88       | 792    | 943         | 8             | 141         | 79      | 792         | 1                     | 10          |
| Louisiana.....          | 24,510                         | 29       | 374    | 596         | 2             | 34          | 26      | 551         | 1                     | 12          |
| Oklahoma.....           | 33,585                         | 142      | 725    | 1,115       | 10            | 228         | 129     | 882         | 3                     | 5           |
| Texas.....              | 89,423                         | 253      | 1,386  | 3,747       | 18            | 655         | 230     | 2,957       | 5                     | 136         |
| Mountain.....           | 61,224                         | 223      | 748    | 1,707       | 30            | 303         | 180     | 1,225       | 13                    | 180         |
| Montana.....            | 8,969                          | 23       | 36     | 104         | 2             | 30          | 17      | 63          | 4                     | 11          |
| Idaho.....              | 7,978                          | 35       | 112    | 197         | 5             | 21          | 31      | 176         |                       |             |
| Wyoming.....            | 4,009                          | 6        | 45     | 67          | 1             | 2           | 3       | 24          | 2                     | 41          |
| Colorado.....           | 19,483                         | 103      | 446    | 1,088       | 14            | 202         | 84      | 769         | 5                     | 117         |
| New Mexico.....         | 5,758                          | 7        | 15     | 37          |               |             | 7       | 37          |                       |             |
| Arizona.....            | 5,701                          |          |        |             |               |             |         |             |                       |             |
| Utah.....               | 7,400                          | 42       | 78     | 189         | 8             | 49          | 33      | 132         | 1                     | 8           |
| Nevada.....             | 1,925                          | 6        | 13     | 25          |               |             | 5       | 23          | 1                     | 2           |
| Pacific.....            | 170,595                        | 1,497    | 10,827 | 24,615      | 353           | 7,934       | 991     | 8,726       | 153                   | 7,955       |
| Washington.....         | 34,027                         | 185      | 1,501  | 3,272       | 44            | 1,114       | 129     | 786         | 12                    | 1,372       |
| Oregon.....             | 20,209                         | 218      | 1,226  | 2,532       | 49            | 1,369       | 155     | 1,005       | 14                    | 158         |
| California.....         | 115,359                        | 1,094    | 8,101  | 18,811      | 260           | 5,451       | 707     | 6,935       | 127                   | 6,425       |

## No. 338.—COMMERCIAL FAILURES: BY INDUSTRIAL GROUPS AND INDUSTRIES

NOTE.—Liabilities in thousands of dollars. See headnote table 334 regarding elimination from the failure statistics of certain lines formerly included in the group "agents, brokers, etc." In the industrial classification of failures, shifts were also made within the groups in order to make the data more readily comparable with classifications in general use. The construction industry, shown separately in the new classification, was formerly included largely in the manufacturing group. Revised data by industrial groups are not available prior to 1934. In order to permit comparisons with data for earlier years, figures for 1934 and 1935 are also presented on the old basis

| Industrial group                          | Number |        | Liabilities |         | Industrial group                          | Number |        | Liabilities |         |
|-------------------------------------------|--------|--------|-------------|---------|-------------------------------------------|--------|--------|-------------|---------|
|                                           | 1934   | 1935   | 1934        | 1935    |                                           | 1934   | 1935   | 1934        | 1935    |
| <b>NEW SERIES</b>                         |        |        |             |         | <b>NEW SERIES—cont.</b>                   |        |        |             |         |
| Grand total.....                          | 11,724 | 11,510 | 230,198     | 183,013 | Commercial service.—<br>Cont.             |        |        |             |         |
| Manufacturing.....                        | 2,088  | 2,067  | 75,809      | 51,885  | Haulage, busses, taxis,                   |        |        |             |         |
| Foods.....                                | 579    | 516    | 16,703      | 10,673  | etc.....                                  | 172    | 137    | 3,138       | 3,199   |
| Textiles.....                             | 389    | 469    | 12,644      | 9,691   | Hotels.....                               | 82     | 83     | 8,657       | 5,429   |
| Forest products.....                      | 138    | 166    | 6,948       | 5,990   | Laundries.....                            | 64     | 61     | 1,236       | 1,146   |
| Paper, printing, publishing.....          | 194    | 143    | 7,101       | 3,037   | Undertakers.....                          | 49     | 60     | 733         | 805     |
| Chemicals and drugs.....                  | 80     | 87     | 2,623       | 2,151   | All other.....                            | 189    | 141    | 3,217       | 4,123   |
| Fuels.....                                | 34     | 33     | 3,759       | 2,375   |                                           |        |        |             |         |
| Leather and leather products.....         | 82     | 84     | 2,181       | 2,116   | <b>OLD SERIES</b>                         |        |        |             |         |
| Stone, clay, and glass products.....      | 66     | 60     | 2,585       | 2,566   | Grand total.....                          | 13,185 | 11,879 | 264,248     | 230,121 |
| Iron and steel.....                       | 119    | 102    | 5,899       | 4,545   | Manufacturing.....                        | 3,040  | 2,842  | 98,645      | 72,912  |
| Machinery.....                            | 99     | 101    | 4,293       | 2,615   | Iron, steel, and foundries.....           | 139    | 119    | 5,686       | 4,779   |
| Transportation equipment.....             | 47     | 40     | 3,908       | 1,392   | Machinery, vehicles, etc.....             | 221    | 207    | 8,972       | 4,748   |
| Miscellaneous.....                        | 261    | 256    | 6,966       | 4,534   | Woolens, carpets, etc.....                | 20     | 21     | 2,369       | 373     |
| Wholesale trade.....                      | 992    | 993    | 26,474      | 20,664  | Cottons and lace.....                     | 5      | 9      | 756         | 369     |
| Farm products, food, groceries.....       | 437    | 432    | 11,701      | 9,106   | Lumber and building lines.....            | 375    | 338    | 17,872      | 12,598  |
| Clothing and furnishings.....             | 42     | 70     | 759         | 1,602   | Clothing and furnishings.....             | 211    | 254    | 5,257       | 4,865   |
| Dry goods and textiles.....               | 38     | 42     | 973         | 989     | Hats, gloves, and furs.....               | 129    | 193    | 2,052       | 2,722   |
| Lumber, building materials, hardware..... | 69     | 65     | 2,587       | 2,237   | Chemicals and drugs.....                  | 56     | 68     | 1,642       | 1,767   |
| Chemicals and drugs.....                  | 44     | 35     | 753         | 455     | Paints.....                               | 15     | 16     | 642         | 306     |
| Fuels.....                                | 45     | 31     | 1,662       | 1,206   | Printing and engraving.....               | 182    | 121    | 3,900       | 2,019   |
| Automotive products.....                  | 44     | 52     | 788         | 638     | Milling and bakers.....                   | 250    | 252    | 2,583       | 2,223   |
| Supply houses.....                        | 52     | 69     | 723         | 1,042   | Leather, shoes, saddlery, and trunks..... | 122    | 99     | 2,361       | 2,116   |
| All other.....                            | 211    | 187    | 6,528       | 3,389   | Tobacco, etc.....                         | 50     | 24     | 535         | 330     |
| Retail trade.....                         | 7,127  | 7,138  | 84,958      | 72,586  | Glass, earthenware, and brick.....        | 132    | 116    | 4,185       | 3,633   |
| Foods.....                                | 2,043  | 2,395  | 15,238      | 17,867  | All other.....                            | 1,133  | 1,035  | 39,502      | 30,064  |
| Farm supplies, general stores.....        | 320    | 332    | 4,420       | 4,283   | Trading.....                              | 7,962  | 8,035  | 114,705     | 95,318  |
| General merchandise.....                  | 340    | 349    | 5,981       | 3,683   | General stores.....                       | 278    | 286    | 3,577       | 3,175   |
| Apparel.....                              | 1,159  | 1,221  | 12,216      | 8,981   | Groceries, meat, and fish.....            | 2,502  | 2,841  | 25,996      | 26,679  |
| Furniture and house furnishings.....      | 280    | 275    | 4,284       | 4,005   | Hotels and restaurants.....               | 737    | 671    | 17,437      | 15,132  |
| Lumber, building materials, hardware..... | 484    | 436    | 7,557       | 5,586   | Tobacco, etc.....                         | 97     | 85     | 1,563       | 1,132   |
| Automotive products.....                  | 579    | 491    | 9,897       | 7,074   | Clothing and furnishings.....             | 845    | 846    | 9,466       | 6,792   |
| Restaurants.....                          | 659    | 590    | 6,619       | 9,712   | Dry goods and carpets.....                | 348    | 406    | 6,027       | 4,313   |
| Drugs.....                                | 640    | 581    | 6,887       | 4,791   | Shoes and luggage.....                    | 309    | 322    | 3,095       | 2,981   |
| All other.....                            | 614    | 468    | 6,007       | 6,614   | Furniture and crockery.....               | 205    | 206    | 3,184       | 3,395   |
| Construction.....                         | 819    | 878    | 24,300      | 21,127  | Hardware, stoves, and tools.....          | 287    | 259    | 3,997       | 3,304   |
| General contractors.....                  | 136    | 128    | 5,497       | 7,939   | Chemicals and drugs.....                  | 664    | 608    | 7,321       | 5,108   |
| Carpenters and builders.....              | 242    | 178    | 11,015      | 6,781   | Paints.....                               | 87     | 79     | 613         | 640     |
| Building subcontractors.....              | 400    | 348    | 6,111       | 5,685   | Jewelry and clocks.....                   | 125    | 77     | 1,874       | 1,726   |
| Other contractors.....                    | 41     | 22     | 1,677       | 722     | Books and papers.....                     | 118    | 112    | 1,656       | 1,017   |
| Commercial service.....                   | 708    | 656    | 18,859      | 16,741  | Hats, furs, and gloves.....               | 95     | 98     | 923         | 585     |
| Cleaners, dyers and tailors.....          | 152    | 174    | 1,878       | 2,039   | All other.....                            | 1,264  | 1,145  | 27,978      | 19,250  |
|                                           |        |        |             |         | Agents, brokers, etc.....                 | 1,183  | 1,002  | 50,899      | 61,891  |

| Industrial group<br>(old series) | Number |        |        |        |        | Liabilities |         |         |         |         |
|----------------------------------|--------|--------|--------|--------|--------|-------------|---------|---------|---------|---------|
|                                  | 1929   | 1930   | 1931   | 1932   | 1933   | 1929        | 1930    | 1931    | 1932    | 1933    |
| Total.....                       | 22,909 | 26,355 | 28,285 | 31,822 | 20,307 | 483,260     | 668,284 | 736,309 | 928,313 | 502,831 |
| Manufacturing.....               | 6,007  | 6,278  | 6,412  | 7,279  | 4,615  | 186,734     | 238,639 | 233,453 | 350,097 | 179,083 |
| Trading.....                     | 15,417 | 18,393 | 20,170 | 22,624 | 14,105 | 224,731     | 272,930 | 355,358 | 431,179 | 233,014 |
| Agents, brokers, etc.....        | 1,485  | 1,684  | 1,703  | 1,919  | 1,587  | 71,784      | 156,714 | 97,499  | 147,037 | 89,883  |

Source: Dun and Bradstreet, Inc., New York, N. Y.



## 14. PRICES

GENERAL NOTE.—The wholesale price index of the Department of Labor is based on primary market quotations of 784 commodities beginning 1926; a smaller number of commodities was covered in earlier years. The price of each article is weighted by the approximate quantities marketed during intervals fairly close to the period covered by the indexes. Beginning with 1921, in computing indexes for commodity groups, articles falling under more than one of the classifications adopted were included under each classification. For example, articles produced on the farm which reach the consumer practically unchanged in form, such as potatoes, milk, and eggs, were included among both farm products and foods. However, in computing the index for all commodities such articles were counted only once.

The retail food index presented in this section, with the exception of certain data shown in table 347, is a revised series. The revised indexes are computed from aggregate costs of 42 foods in 51 large cities prior to January 1, 1935, and of 84 foods since that date. To obtain the aggregate cost in each city, the average prices of individual foods were combined by means of weights based on total purchases of wage earners and lower salaried workers in 1918. City costs were combined with the use of population weights to determine the cost for the United States as a whole. Prior to August 1933, prices were collected on the 15th of the month; thereafter they were collected every 2 weeks.

The farm price index is based on prices paid to producers for 34 major crops and beginning 1924, also 13 commercial truck crops. Average quotations for the period, August 1909-July 1914, are used as a base, and each price series is weighted by the average annual marketings of farmers in the years 1924 to 1929.

### No. 339.—WHOLESALE, RETAIL, AND FARM PRICES: INDEX NUMBERS

| Year                                                        | Yearly average | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
|-------------------------------------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>Wholesale prices (1926 avg. = 100):</b>                  |                |       |       |       |       |       |       |       |       |       |       |       |       |
| 1920                                                        | 154.4          | 157.7 | 157.1 | 158.6 | 165.5 | 167.2 | 166.5 | 165.8 | 161.4 | 155.2 | 144.2 | 133.4 | 120.7 |
| 1921                                                        | 97.6           | 114.0 | 104.9 | 102.4 | 98.9  | 96.2  | 93.4  | 93.4  | 93.5  | 93.4  | 94.1  | 94.2  | 92.9  |
| 1922                                                        | 96.7           | 91.4  | 92.9  | 92.8  | 93.2  | 96.1  | 96.3  | 99.4  | 98.6  | 99.3  | 99.6  | 100.5 | 100.7 |
| 1923                                                        | 100.6          | 102.0 | 103.3 | 104.5 | 103.9 | 101.9 | 100.3 | 98.4  | 97.8  | 99.7  | 99.4  | 98.4  | 93.1  |
| 1924                                                        | 98.1           | 99.6  | 98.7  | 98.5  | 97.3  | 95.9  | 94.9  | 95.6  | 97.0  | 97.1  | 98.2  | 99.1  | 101.5 |
| 1925                                                        | 103.5          | 102.9 | 104.0 | 104.2 | 101.9 | 101.6 | 103.0 | 104.3 | 103.9 | 103.4 | 103.6 | 104.5 | 103.4 |
| 1926                                                        | 100.0          | 103.2 | 102.0 | 100.6 | 100.3 | 100.6 | 100.4 | 99.5  | 99.1  | 99.7  | 99.4  | 98.4  | 97.9  |
| 1927                                                        | 95.4           | 96.5  | 95.8  | 94.7  | 94.1  | 94.2  | 94.1  | 94.3  | 95.2  | 96.3  | 96.6  | 96.3  | 96.4  |
| 1928                                                        | 96.7           | 96.4  | 95.8  | 95.5  | 96.0  | 97.5  | 96.7  | 97.4  | 97.6  | 98.6  | 96.7  | 95.8  | 95.8  |
| 1929                                                        | 95.3           | 95.9  | 95.4  | 96.1  | 95.5  | 94.7  | 95.2  | 96.5  | 96.3  | 96.1  | 95.1  | 93.5  | 93.3  |
| 1930                                                        | 86.4           | 92.5  | 91.4  | 90.2  | 90.0  | 88.8  | 86.8  | 84.4  | 84.3  | 86.4  | 83.0  | 81.3  | 79.6  |
| 1931                                                        | 73.0           | 78.2  | 76.8  | 76.0  | 74.8  | 73.2  | 72.1  | 72.0  | 72.1  | 71.2  | 70.3  | 70.2  | 68.6  |
| 1932                                                        | 64.8           | 67.3  | 66.3  | 66.0  | 65.5  | 64.4  | 63.9  | 64.5  | 65.2  | 65.3  | 64.4  | 63.9  | 62.6  |
| 1933                                                        | 65.9           | 61.0  | 59.8  | 60.2  | 60.4  | 62.7  | 65.0  | 68.9  | 69.5  | 70.8  | 71.2  | 71.1  | 70.8  |
| 1934                                                        | 74.9           | 72.2  | 73.6  | 73.7  | 73.3  | 73.7  | 74.6  | 74.8  | 76.4  | 77.6  | 76.5  | 76.5  | 78.9  |
| 1935                                                        | 80.0           | 78.8  | 79.5  | 79.4  | 80.1  | 80.2  | 79.8  | 79.4  | 80.5  | 80.7  | 80.5  | 80.6  | 80.9  |
| 1936                                                        |                | 80.6  | 80.6  | 79.6  | 79.7  | 78.6  | 79.2  |       |       |       |       |       |       |
| <b>Retail food prices (1923-25 avg. = 100):<sup>1</sup></b> |                |       |       |       |       |       |       |       |       |       |       |       |       |
| 1920                                                        |                |       |       | 133.0 |       |       | 146.1 |       |       | 129.6 |       |       | 115.7 |
| 1921                                                        |                |       |       | 102.1 |       |       | 98.4  |       |       | 102.1 |       |       | 99.7  |
| 1922                                                        |                |       |       | 93.5  |       |       | 95.6  |       |       | 93.3  |       |       | 96.7  |
| 1923                                                        |                |       |       | 94.6  |       |       | 97.2  |       |       | 100.6 |       |       | 99.5  |
| 1924                                                        |                |       |       | 95.9  |       |       | 96.0  |       |       | 97.3  |       |       | 99.5  |
| 1925                                                        |                |       |       | 100.0 |       |       | 104.2 |       |       | 106.2 |       |       | 111.1 |
| 1926                                                        |                |       |       | 109.0 |       |       | 108.9 |       |       | 106.2 |       |       | 108.1 |
| 1927                                                        |                |       |       | 102.8 |       |       | 108.7 |       |       | 103.4 |       |       | 104.7 |
| 1928                                                        |                |       |       | 102.1 |       |       | 102.5 |       |       | 105.5 |       |       | 103.2 |
| 1929                                                        | 104.7          | 102.7 | 102.3 | 101.4 | 100.8 | 102.4 | 103.7 | 106.5 | 103.1 | 108.0 | 107.6 | 106.7 | 105.7 |
| 1930                                                        | 99.6           | 104.6 | 103.4 | 102.0 | 103.3 | 102.6 | 101.2 | 97.5  | 96.6  | 98.3  | 97.8  | 95.2  | 92.1  |
| 1931                                                        | 82.0           | 89.2  | 86.0  | 85.1  | 83.9  | 82.6  | 80.6  | 80.7  | 80.9  | 80.6  | 79.9  | 78.2  | 75.2  |
| 1932                                                        | 68.3           | 72.8  | 70.5  | 70.7  | 70.3  | 68.6  | 67.6  | 68.3  | 67.1  | 66.7  | 66.3  | 65.6  | 64.7  |
| 1933                                                        | 66.4           | 62.6  | 60.1  | 59.8  | 60.1  | 62.5  | 64.9  | 71.0  | 72.0  | 71.9  | 71.5  | 70.8  | 69.2  |
| 1934                                                        | 74.1           | 70.5  | 72.5  | 72.8  | 72.1  | 72.8  | 73.4  | 73.6  | 74.3  | 77.1  | 75.9  | 75.1  | 74.5  |
| 1935                                                        | 80.4           | 77.5  | 79.7  | 79.6  | 81.2  | 81.4  | 81.5  | 80.2  | 79.6  | 80.1  | 79.9  | 81.5  | 82.0  |
| 1936                                                        |                | 81.7  | 80.6  | 79.5  | 79.7  | 79.9  | 83.8  |       |       |       |       |       |       |
| <b>Farm prices (Aug. 1909-July 1914 = 100):</b>             |                |       |       |       |       |       |       |       |       |       |       |       |       |
| 1920                                                        | 211            | 229   | 228   | 229   | 239   | 244   | 242   | 231   | 213   | 197   | 183   | 165   | 148   |
| 1921                                                        | 125            | 142   | 130   | 127   | 118   | 113   | 113   | 116   | 123   | 128   | 134   | 130   | 130   |
| 1922                                                        | 132            | 123   | 128   | 130   | 130   | 134   | 136   | 134   | 131   | 129   | 133   | 137   | 143   |
| 1923                                                        | 142            | 146   | 144   | 143   | 143   | 141   | 137   | 136   | 137   | 142   | 144   | 147   | 148   |
| 1924                                                        | 143            | 148   | 147   | 140   | 139   | 137   | 138   | 139   | 147   | 141   | 147   | 145   | 148   |
| 1925                                                        | 156            | 155   | 154   | 156   | 152   | 152   | 156   | 158   | 160   | 155   | 156   | 156   | 155   |
| 1926                                                        | 145            | 153   | 152   | 149   | 151   | 150   | 148   | 144   | 141   | 143   | 138   | 138   | 135   |
| 1927                                                        | 139            | 133   | 132   | 131   | 131   | 134   | 138   | 139   | 142   | 148   | 148   | 147   | 147   |
| 1928                                                        | 149            | 149   | 144   | 145   | 148   | 155   | 150   | 152   | 145   | 149   | 148   | 146   | 147   |
| 1929                                                        | 146            | 147   | 145   | 146   | 144   | 142   | 142   | 147   | 152   | 150   | 149   | 145   | 147   |
| 1930                                                        | 126            | 145   | 140   | 135   | 136   | 134   | 131   | 120   | 118   | 120   | 113   | 110   | 104   |
| 1931                                                        | 87             | 101   | 95    | 97    | 97    | 92    | 86    | 86    | 82    | 80    | 77    | 79    | 75    |
| 1932                                                        | 65             | 71    | 68    | 69    | 67    | 63    | 58    | 63    | 65    | 66    | 64    | 62    | 63    |
| 1933                                                        | 70             | 60    | 55    | 55    | 58    | 66    | 71    | 83    | 79    | 80    | 78    | 80    | 78    |
| 1934                                                        | 90             | 77    | 89    | 84    | 82    | 82    | 86    | 87    | 96    | 103   | 102   | 101   | 101   |
| 1935                                                        | 108            | 107   | 111   | 108   | 111   | 108   | 104   | 102   | 105   | 107   | 109   | 108   | 110   |
| 1936                                                        |                | 109   | 109   | 104   | 105   | 103   | 107   |       |       |       |       |       |       |

<sup>1</sup> Revised index has not been completed for periods where blanks occur.

Sources: Wholesale and retail prices, Department of Labor; farm prices, Department of Agriculture.

# No. 340.—WHOLESALE PRICES BY MAJOR COMMODITY GROUPS: INDEX NUMBERS

NOTE.—See general note, page 298. For indexes for all commodities for prior years see table 341. For index numbers (based on 1923-1925 as 100) showing price changes in farm products and foods compared with all other commodities combined, see table 583, p. 606

[1923=100]

| Period                | All commodities | Farm products | Foods | Hides and leather products | Textile products | Fuel and lighting | Metals and metal products | Building materials | Chemicals and drugs | House furnishings and goods | Miscellaneous |
|-----------------------|-----------------|---------------|-------|----------------------------|------------------|-------------------|---------------------------|--------------------|---------------------|-----------------------------|---------------|
| 1890.....             | 56.2            | 50.4          | 55.5  | 47.5                       | 57.8             | 38.1              | 105.3                     | 46.5               | 73.2                | 49.9                        | 97.9          |
| 1891.....             | 56.8            | 54.2          | 54.8  | 47.9                       | 54.6             | 37.0              | 102.2                     | 44.2               | 74.0                | 50.4                        | 94.3          |
| 1892.....             | 52.2            | 49.5          | 51.0  | 47.2                       | 55.2             | 34.8              | 84.0                      | 41.7               | 74.6                | 48.1                        | 88.6          |
| 1893.....             | 53.4            | 51.3          | 54.7  | 45.1                       | 54.1             | 35.3              | 78.8                      | 41.6               | 72.7                | 48.1                        | 89.0          |
| 1894.....             | 47.9            | 44.6          | 48.2  | 43.0                       | 46.1             | 34.3              | 65.7                      | 39.8               | 65.5                | 45.3                        | 86.4          |
| 1895.....             | 48.8            | 45.9          | 47.3  | 49.4                       | 44.3             | 40.3              | 70.4                      | 38.8               | 64.7                | 45.5                        | 88.9          |
| 1896.....             | 46.5            | 39.6          | 44.1  | 45.2                       | 43.1             | 38.5              | 71.2                      | 38.9               | 65.0                | 43.4                        | 90.2          |
| 1897.....             | 46.6            | 42.5          | 45.5  | 45.9                       | 42.9             | 33.9              | 65.0                      | 37.4               | 70.9                | 42.6                        | 92.6          |
| 1898.....             | 48.5            | 44.9          | 47.8  | 48.3                       | 44.9             | 34.5              | 65.3                      | 39.6               | 77.4                | 44.0                        | 97.4          |
| 1899.....             | 52.2            | 45.8          | 47.7  | 48.4                       | 47.7             | 41.2              | 100.0                     | 43.6               | 81.1                | 45.0                        | 97.4          |
| 1900.....             | 55.1            | 50.5          | 50.8  | 49.4                       | 53.3             | 46.3              | 98.0                      | 46.2               | 82.1                | 48.9                        | 102.0         |
| 1901.....             | 55.3            | 52.8          | 50.5  | 48.9                       | 48.1             | 44.6              | 93.1                      | 44.3               | 84.2                | 48.9                        | 98.4          |
| 1902.....             | 58.9            | 58.4          | 53.3  | 50.8                       | 49.4             | 51.8              | 91.0                      | 45.3               | 86.5                | 49.2                        | 98.1          |
| 1903.....             | 59.6            | 55.6          | 52.0  | 49.9                       | 52.8             | 60.3              | 90.2                      | 46.7               | 84.1                | 50.9                        | 98.9          |
| 1904.....             | 50.7            | 58.5          | 54.0  | 49.7                       | 52.9             | 53.3              | 79.9                      | 45.0               | 84.1                | 50.3                        | 109.5         |
| 1905.....             | 60.1            | 56.4          | 55.1  | 53.9                       | 64.1             | 49.6              | 89.1                      | 48.1               | 82.3                | 49.7                        | 117.4         |
| 1906.....             | 61.8            | 57.3          | 53.4  | 57.7                       | 58.7             | 52.0              | 102.4                     | 54.0               | 76.8                | 51.3                        | 115.3         |
| 1907.....             | 65.2            | 62.2          | 67.0  | 58.0                       | 63.5             | 54.4              | 109.8                     | 56.8               | 78.5                | 55.0                        | 108.2         |
| 1908.....             | 62.9            | 62.2          | 58.7  | 55.6                       | 54.8             | 53.7              | 86.3                      | 52.0               | 79.6                | 51.6                        | 97.8          |
| 1909.....             | 67.6            | 69.6          | 62.6  | 61.5                       | 56.5             | 51.6              | 84.5                      | 53.7               | 79.9                | 51.7                        | 120.6         |
| 1910.....             | 70.4            | 74.3          | 64.9  | 60.2                       | 58.4             | 47.6              | 85.2                      | 55.3               | 82.0                | 54.0                        | 152.7         |
| 1911.....             | 64.9            | 60.8          | 62.0  | 58.8                       | 55.5             | 46.7              | 80.8                      | 55.3               | 81.6                | 52.7                        | 108.6         |
| 1912.....             | 69.1            | 72.6          | 66.8  | 64.5                       | 55.7             | 51.4              | 89.5                      | 55.9               | 80.7                | 53.0                        | 106.4         |
| 1913.....             | 69.8            | 71.5          | 64.2  | 68.1                       | 57.3             | 61.3              | 90.8                      | 56.7               | 80.2                | 56.3                        | 93.1          |
| 1914.....             | 68.1            | 71.2          | 64.7  | 70.9                       | 54.6             | 56.6              | 80.2                      | 52.7               | 81.4                | 56.8                        | 89.9          |
| 1915.....             | 69.5            | 71.5          | 65.4  | 75.5                       | 54.1             | 51.8              | 86.3                      | 53.5               | 112.0               | 56.0                        | 86.9          |
| 1916.....             | 85.5            | 84.4          | 75.7  | 93.4                       | 70.4             | 74.3              | 116.5                     | 67.6               | 160.7               | 61.4                        | 100.6         |
| 1917.....             | 117.5           | 129.0         | 104.5 | 123.8                      | 98.7             | 105.4             | 150.6                     | 88.2               | 165.0               | 74.2                        | 122.1         |
| 1918.....             | 131.3           | 148.0         | 119.1 | 125.7                      | 137.2            | 109.2             | 136.5                     | 98.6               | 182.3               | 99.3                        | 134.4         |
| 1919.....             | 138.6           | 157.6         | 129.5 | 174.1                      | 135.3            | 104.3             | 130.9                     | 115.6              | 157.0               | 105.9                       | 139.1         |
| 1920.....             | 154.4           | 150.7         | 137.4 | 171.3                      | 164.8            | 163.7             | 149.4                     | 150.1              | 164.7               | 141.8                       | 167.5         |
| 1921.....             | 97.6            | 88.4          | 90.6  | 109.2                      | 94.5             | 96.8              | 117.5                     | 97.4               | 116.0               | 113.0                       | 109.2         |
| 1922.....             | 96.7            | 93.8          | 87.6  | 104.6                      | 100.2            | 107.3             | 102.9                     | 97.3               | 100.3               | 103.5                       | 92.8          |
| 1923.....             | 100.6           | 98.6          | 92.7  | 104.2                      | 111.3            | 97.3              | 109.3                     | 108.7              | 101.1               | 108.9                       | 99.7          |
| 1924.....             | 98.1            | 100.0         | 91.0  | 101.5                      | 106.7            | 92.0              | 106.3                     | 102.8              | 98.9                | 104.9                       | 93.6          |
| 1925.....             | 103.5           | 109.8         | 100.2 | 105.3                      | 108.3            | 96.5              | 103.2                     | 101.7              | 101.8               | 103.1                       | 109.0         |
| 1926.....             | 100.0           | 100.0         | 100.0 | 100.0                      | 100.0            | 100.0             | 100.0                     | 100.0              | 100.0               | 100.0                       | 100.0         |
| 1927.....             | 95.4            | 99.4          | 96.7  | 107.7                      | 95.6             | 88.3              | 98.3                      | 94.7               | 96.8                | 97.5                        | 91.0          |
| 1928.....             | 96.7            | 105.9         | 101.0 | 121.4                      | 95.5             | 84.3              | 97.0                      | 94.1               | 95.6                | 95.1                        | 85.4          |
| 1929.....             | 95.3            | 104.9         | 99.9  | 109.1                      | 90.4             | 83.0              | 100.5                     | 95.4               | 94.2                | 94.3                        | 82.6          |
| 1930.....             | 86.4            | 88.3          | 90.5  | 100.0                      | 80.3             | 78.5              | 92.1                      | 89.9               | 89.1                | 92.7                        | 77.7          |
| 1931.....             | 73.0            | 64.8          | 74.6  | 86.1                       | 66.3             | 67.5              | 84.5                      | 79.2               | 79.3                | 84.9                        | 69.8          |
| 1932.....             | 64.8            | 48.2          | 61.0  | 72.9                       | 54.9             | 70.3              | 80.2                      | 71.4               | 73.5                | 75.1                        | 64.4          |
| 1933.....             | 65.9            | 51.4          | 60.5  | 80.9                       | 64.8             | 66.3              | 79.8                      | 77.0               | 72.6                | 75.8                        | 62.5          |
| 1934.....             | 74.9            | 65.3          | 70.5  | 88.6                       | 72.9             | 73.3              | 86.9                      | 86.2               | 75.9                | 81.5                        | 69.7          |
| 1935.....             | 80.0            | 78.8          | 83.7  | 89.6                       | 70.9             | 73.5              | 86.4                      | 85.3               | 80.5                | 80.6                        | 68.3          |
| 1934                  |                 |               |       |                            |                  |                   |                           |                    |                     |                             |               |
| January-March.....    | 73.2            | 60.4          | 66.1  | 89.3                       | 76.6             | 72.3              | 86.5                      | 86.4               | 75.2                | 81.1                        | 68.4          |
| April-June.....       | 73.9            | 60.8          | 67.7  | 83.0                       | 73.9             | 72.3              | 88.2                      | 87.3               | 75.5                | 81.9                        | 69.8          |
| July-September.....   | 76.3            | 69.2          | 73.5  | 84.7                       | 71.1             | 74.4              | 86.7                      | 86.1               | 76.9                | 81.7                        | 70.1          |
| October-December..... | 76.6            | 71.1          | 75.1  | 84.4                       | 70.0             | 74.2              | 86.1                      | 85.1               | 77.3                | 81.4                        | 70.4          |
| 1935                  |                 |               |       |                            |                  |                   |                           |                    |                     |                             |               |
| January.....          | 78.8            | 77.6          | 79.9  | 86.2                       | 70.3             | 72.9              | 85.8                      | 84.9               | 79.3                | 81.2                        | 70.7          |
| February.....         | 79.5            | 79.1          | 82.7  | 86.0                       | 70.1             | 72.5              | 85.8                      | 85.0               | 80.4                | 80.7                        | 70.1          |
| March.....            | 79.4            | 78.3          | 81.9  | 85.4                       | 69.4             | 73.0              | 85.7                      | 84.9               | 81.5                | 80.7                        | 69.2          |
| April.....            | 80.1            | 80.4          | 84.5  | 86.3                       | 69.2             | 72.8              | 85.9                      | 84.6               | 81.0                | 80.7                        | 68.7          |
| May.....              | 80.2            | 80.6          | 84.1  | 88.3                       | 69.4             | 73.1              | 86.6                      | 84.8               | 81.2                | 80.6                        | 68.7          |
| June.....             | 79.8            | 78.3          | 82.8  | 88.9                       | 70.1             | 74.2              | 86.9                      | 85.3               | 80.7                | 80.5                        | 68.4          |
| July.....             | 79.4            | 77.1          | 82.1  | 89.3                       | 70.2             | 74.7              | 86.4                      | 85.2               | 78.7                | 80.4                        | 67.7          |
| August.....           | 80.5            | 79.3          | 84.9  | 89.6                       | 70.9             | 74.1              | 86.6                      | 85.4               | 78.6                | 80.5                        | 67.3          |
| September.....        | 80.7            | 79.5          | 86.1  | 90.9                       | 71.8             | 73.0              | 86.6                      | 85.9               | 80.2                | 80.5                        | 67.1          |
| October.....          | 80.5            | 78.2          | 85.0  | 93.6                       | 72.9             | 73.4              | 86.5                      | 86.1               | 81.1                | 80.6                        | 67.5          |
| November.....         | 80.6            | 77.5          | 85.1  | 95.0                       | 73.4             | 74.5              | 86.9                      | 85.8               | 81.2                | 81.0                        | 67.4          |
| December.....         | 80.9            | 78.3          | 85.7  | 95.4                       | 73.2             | 74.6              | 86.8                      | 85.6               | 80.6                | 81.0                        | 67.5          |
| 1936                  |                 |               |       |                            |                  |                   |                           |                    |                     |                             |               |
| January.....          | 80.6            | 78.2          | 83.5  | 97.1                       | 71.7             | 75.1              | 86.7                      | 85.7               | 80.5                | 81.4                        | 67.8          |
| February.....         | 80.6            | 79.5          | 83.2  | 96.1                       | 71.0             | 76.1              | 86.7                      | 85.5               | 80.1                | 81.5                        | 68.1          |
| March.....            | 79.6            | 76.5          | 80.1  | 94.9                       | 70.8             | 76.2              | 86.6                      | 85.3               | 79.3                | 81.4                        | 68.3          |
| April.....            | 79.7            | 76.9          | 80.2  | 94.6                       | 70.2             | 76.4              | 86.6                      | 85.7               | 78.5                | 81.5                        | 68.6          |
| May.....              | 78.6            | 75.2          | 78.0  | 94.0                       | 69.8             | 76.0              | 86.3                      | 85.8               | 77.7                | 81.5                        | 69.2          |
| June.....             | 79.2            | 78.1          | 79.9  | 93.8                       | 69.6             | 76.1              | 86.2                      | 85.8               | 78.0                | 81.4                        | 69.7          |

## No. 341.—WHOLESALE PRICES: INDEX NUMBERS, 1860 TO 1889

NOTE.—1926=100. Indexes are arithmetic averages of unweighted relative prices, published in 1933 by the Committee on Finance, United States Senate, on an 1860 base, recomputed to the 1926 base by the Bureau of Labor Statistics, Department of Labor

| Year      | General index | Year      | General index | Year      | General index |
|-----------|---------------|-----------|---------------|-----------|---------------|
| 1860..... | 61            | 1870..... | 87            | 1880..... | 65            |
| 1861..... | 61            | 1871..... | 83            | 1881..... | 64            |
| 1862..... | 72            | 1872..... | 84            | 1882..... | 65            |
| 1863..... | 90            | 1873..... | 84            | 1883..... | 66            |
| 1864..... | 116           | 1874..... | 81            | 1884..... | 60            |
| 1865..... | 132           | 1875..... | 78            | 1885..... | 57            |
| 1866..... | 116           | 1876..... | 72            | 1886..... | 55            |
| 1867..... | 105           | 1877..... | 68            | 1887..... | 55            |
| 1868..... | 98            | 1878..... | 62            | 1888..... | 57            |
| 1869..... | 94            | 1879..... | 59            | 1889..... | 57            |

## No. 342.—WHOLESALE PRICES OF COMMODITY SUBGROUPS: INDEX NUMBERS

NOTE.—1926=100. Each of the 10 groups covered by table 340 is divided into from 2 to 7 subgroups. See also general note p. 298 regarding commodities included in two groups. Prices used in calculating indexes for farm products do not include processing taxes in effect from July 1933 to Jan. 6, 1936

| Subgroup                       | 1913  | 1923-1925 | 1929  | 1932  | 1933 | 1934 | 1935 | 1934  |      | 1935  |      | 1936 |
|--------------------------------|-------|-----------|-------|-------|------|------|------|-------|------|-------|------|------|
|                                |       |           |       |       |      |      |      | Dec.  | June | Dec.  | June |      |
| Grains.....                    | 71.1  | 102.3     | 97.4  | 39.4  | 53.1 | 74.5 | 82.5 | 91.5  | 76.9 | 76.6  | 73.0 |      |
| Livestock and poultry.....     | 73.3  | 85.3      | 106.1 | 48.2  | 43.4 | 61.5 | 85.1 | 57.2  | 84.8 | 87.4  | 83.2 |      |
| Other farm products.....       | 70.8  | 115.1     | 106.6 | 51.4  | 55.8 | 70.5 | 73.4 | 75.1  | 74.3 | 72.8  | 75.8 |      |
| Dairy products.....            | 65.9  | 99.7      | 105.6 | 61.3  | 60.7 | 72.7 | 79.8 | 79.6  | 74.6 | 83.7  | 77.6 |      |
| Cereal products.....           |       |           | 88.0  | 66.4  | 75.0 | 87.7 | 94.1 | 92.2  | 90.5 | 97.2  | 91.0 |      |
| Fruits and vegetables.....     |       |           | 97.8  | 58.0  | 61.7 | 65.5 | 63.6 | 62.4  | 68.7 | 63.7  | 82.0 |      |
| Meats.....                     | 59.8  | 81.7      | 109.1 | 58.2  | 50.0 | 62.9 | 94.5 | 69.0  | 94.5 | 97.5  | 85.1 |      |
| Other foods.....               | 65.9  | 101.4     | 83.9  | 60.7  | 61.1 | 66.6 | 77.7 | 74.3  | 77.2 | 77.5  | 72.3 |      |
| Boots and shoes.....           | 54.5  | 99.3      | 106.3 | 86.1  | 90.2 | 98.1 | 98.0 | 97.2  | 97.3 | 100.1 | 99.7 |      |
| Hides and skins.....           | 106.8 | 115.5     | 112.7 | 42.1  | 67.1 | 63.6 | 80.8 | 67.4  | 78.0 | 96.5  | 89.0 |      |
| Leather.....                   | 62.1  | 102.9     | 113.2 | 65.1  | 71.4 | 75.0 | 80.1 | 71.8  | 80.5 | 87.6  | 83.2 |      |
| Other leather products.....    | 50.8  | 103.4     | 106.4 | 90.1  | 81.1 | 86.6 | 85.0 | 85.7  | 84.4 | 87.1  | 95.4 |      |
| Clothing.....                  |       |           | 90.0  | 63.0  | 72.2 | 82.5 | 79.8 | 78.4  | 80.7 | 81.0  | 80.9 |      |
| Cotton goods.....              | 58.0  | 113.9     | 98.8  | 54.0  | 71.2 | 86.5 | 83.4 | 84.3  | 82.5 | 86.0  | 75.4 |      |
| Knit goods.....                |       |           | 88.5  | 51.6  | 58.9 | 63.2 | 61.8 | 61.9  | 69.5 | 62.2  | 60.3 |      |
| Silk and rayon.....            | 71.8  | 112.4     | 80.4  | 31.0  | 30.6 | 26.7 | 30.2 | 27.1  | 27.2 | 33.7  | 29.3 |      |
| Woolen and worsted goods.....  | 53.7  | 108.2     | 88.3  | 57.7  | 69.3 | 79.7 | 76.1 | 74.0  | 75.6 | 81.0  | 82.6 |      |
| Other textile products.....    | 62.7  | 89.5      | 98.1  | 67.9  | 72.5 | 73.1 | 68.6 | 68.6  | 65.9 | 68.1  | 66.9 |      |
| Anthracite.....                | 58.9  | 99.7      | 90.1  | 88.4  | 82.2 | 80.1 | 79.7 | 82.3  | 74.0 | 82.9  | 77.0 |      |
| Bituminous coal.....           | 33.1  | 103.2     | 91.3  | 82.0  | 82.8 | 94.5 | 96.7 | 98.5  | 96.1 | 98.7  | 96.5 |      |
| Coke.....                      | 46.3  | 104.6     | 84.6  | 77.7  | 77.9 | 84.8 | 88.6 | 85.6  | 83.7 | 89.6  | 93.7 |      |
| Electricity.....               |       |           | 94.5  | 104.7 | 94.3 | 91.8 | 87.8 | 93.1  | 90.2 | 84.9  | 83.4 |      |
| Gas (mfld. and natural).....   | 78.1  | 103.2     | 95.1  | 101.3 | 97.5 | 93.4 | 89.3 | 89.3  | 95.2 | 84.5  | 88.0 |      |
| Petroleum products.....        | 73.8  | 87.0      | 71.3  | 45.4  | 41.0 | 60.5 | 61.3 | 49.8  | 53.2 | 52.8  | 57.7 |      |
| Agricultural implements.....   | 72.9  | 101.8     | 98.7  | 84.9  | 83.5 | 89.6 | 93.7 | 92.7  | 93.6 | 94.6  | 94.2 |      |
| Iron and steel.....            | 70.9  | 109.6     | 94.9  | 79.4  | 78.6 | 86.7 | 86.7 | 85.6  | 87.1 | 86.9  | 86.3 |      |
| Motor vehicles.....            | 147.5 | 107.2     | 106.7 | 94.1  | 90.2 | 95.9 | 93.9 | 94.6  | 94.7 | 93.6  | 92.9 |      |
| Nonferrous metals.....         | 88.9  | 96.6      | 106.1 | 49.8  | 59.6 | 67.7 | 68.6 | 67.5  | 69.1 | 70.6  | 70.0 |      |
| Plumbing and heating.....      |       |           | 95.0  | 66.8  | 67.1 | 72.6 | 68.9 | 68.8  | 66.2 | 71.1  | 73.8 |      |
| Brick and tile.....            | 38.9  | 102.4     | 94.3  | 77.3  | 79.2 | 80.2 | 80.4 | 81.2  | 89.2 | 88.9  | 89.2 |      |
| Cement.....                    | 59.6  | 105.4     | 91.8  | 77.2  | 86.1 | 93.2 | 95.3 | 93.9  | 94.9 | 95.5  | 95.5 |      |
| Lumber.....                    | 54.0  | 103.9     | 93.8  | 58.5  | 70.7 | 84.5 | 81.1 | 81.2  | 81.6 | 81.5  | 82.1 |      |
| Paint and paint materials..... | 50.8  | 103.4     | 94.9  | 71.1  | 73.3 | 79.5 | 79.8 | 78.8  | 79.8 | 80.0  | 79.5 |      |
| Plumbing and heating.....      |       |           | 95.0  | 66.8  | 67.1 | 72.6 | 68.9 | 68.8  | 66.2 | 71.1  | 73.8 |      |
| Structural steel.....          | 77.1  | 113.4     | 98.1  | 80.9  | 83.1 | 90.8 | 92.0 | 92.0  | 92.0 | 92.0  | 92.5 |      |
| Other bldg. materials.....     | 63.1  | 103.3     | 97.7  | 79.5  | 82.7 | 90.3 | 90.1 | 89.8  | 90.0 | 90.0  | 90.1 |      |
| Chemicals.....                 | 89.4  | 102.3     | 99.1  | 79.5  | 79.6 | 79.6 | 86.9 | 82.2  | 86.3 | 87.7  | 84.3 |      |
| Drugs and pharmaceuticals..... | 56.6  | 96.4      | 71.5  | 57.7  | 56.3 | 72.1 | 73.9 | 73.4  | 74.3 | 74.7  | 73.2 |      |
| Fertilizer materials.....      | 85.5  | 98.0      | 92.1  | 66.9  | 65.9 | 97.1 | 66.3 | 65.3  | 65.7 | 64.5  | 64.0 |      |
| Mixed fertilizer.....          | 84.3  | 101.2     | 97.2  | 69.3  | 64.5 | 72.5 | 70.6 | 73.7  | 74.5 | 67.7  | 63.0 |      |
| Furniture.....                 | 70.7  | 109.7     | 95.0  | 75.0  | 75.1 | 79.0 | 77.0 | 78.2  | 77.1 | 77.1  | 77.5 |      |
| Furnishings.....               | 47.9  | 103.6     | 93.6  | 75.4  | 76.6 | 84.1 | 84.2 | 84.2  | 83.9 | 84.7  | 85.2 |      |
| Cattle feed.....               | 82.2  | 113.8     | 121.6 | 46.0  | 57.9 | 89.4 | 88.3 | 123.1 | 62.2 | 70.8  | 80.7 |      |
| Paper and pulp.....            | 59.4  | 102.9     | 88.9  | 75.5  | 76.6 | 82.7 | 80.0 | 81.5  | 79.7 | 79.2  | 80.6 |      |
| Rubber, crude.....             | 170.2 | 88.5      | 42.3  | 7.3   | 12.2 | 26.5 | 25.4 | 26.4  | 26.0 | 27.2  | 33.0 |      |
| Auto tires and tubes.....      | 207.2 | 100.2     | 54.5  | 41.1  | 42.1 | 44.9 | 45.7 | 47.5  | 45.0 | 45.0  | 47.5 |      |
| Other miscellaneous.....       | 64.4  | 100.8     | 98.4  | 83.7  | 78.2 | 82.1 | 80.0 | 80.7  | 80.1 | 80.2  | 80.8 |      |

Source of tables 341 and 342: Bureau of Labor Statistics, Department of Labor.

## No. 343.—WHOLESALE PRICES OF LEADING COMMODITIES

NOTE.—This list is a selection from among the 784 commodities entering into the general index of wholesale prices of the Department of Labor, shown in table 340

| Commodity                                    | Unit              | Average price |         |         |         |         |         |         |
|----------------------------------------------|-------------------|---------------|---------|---------|---------|---------|---------|---------|
|                                              |                   | 1923-1925     | 1929    | 1931    | 1932    | 1933    | 1934    | 1935    |
| I.—FARM PRODUCTS                             |                   |               |         |         |         |         |         |         |
|                                              |                   | Dollars       | Dollars | Dollars | Dollars | Dollars | Dollars | Dollars |
| Barley, malting, Minneapolis                 | Bushel            |               | 0.609   | 0.451   | 0.373   | 0.479   | 0.819   | 0.702   |
| Corn, No. 2, yellow, Chicago                 | do                |               | .952    | .537    | .316    | .419    | .657    | .832    |
| Corn, No. 3, yellow, Chicago                 | do                |               | .938    | .524    | .307    | .408    | .650    | .815    |
| Oats, No. 2, white, Chicago                  | do                | .473          | .486    | .278    | .209    | .294    | .456    | .417    |
| Rye, No. 2, Chicago                          | do                | .932          | 1.016   | .431    | .393    | .579    | .704    | .577    |
| Wheat, No 2, red winter, Chicago             | do                | 1.407         | 1.804   | .665    | .531    | 1.766   | 1.957   | 1.967   |
| Wheat, No 2, hard, Kansas City               | do                | 1.338         | 1.180   | .600    | .494    | 1.724   | 1.932   | 1.040   |
| Wheat, No. 1, northern spring, Minneapolis.  | do                | 1.359         | 1.276   | .739    | .605    | 1.770   | 1.026   | 1.165   |
| Cattle, steers, good to choice, Chicago.     | 100 lbs.          | 10.093        | 13.498  | 8.769   | 7.799   | 5.784   | 7.889   | 11.701  |
| Hogs, fair to choice, light, Chicago.        | do                | 9.534         | 10.666  | 6.642   | 4.117   | 1.485   | 1.419   | 1.979   |
| Lambs, native, fair to good, Chicago.        | do                |               | 13.689  | 7.272   | 5.760   | 6.227   | 7.566   | 8.670   |
| Poultry, live fowls, Chicago                 | Pound             | .218          | .273    | .187    | .149    | .113    | .136    | .185    |
| Cotton, middling, New Orleans                | do                | .265          | .186    | .083    | .063    | 1.085   | 1.123   | 1.119   |
| Eggs, firsts, Chicago.                       | Dozen             | .339          | .354    | .201    | .177    | .157    | .194    | .251    |
| Eggs, firsts, New York                       | do                | .370          | .368    | .225    | .198    | .172    | .203    | .263    |
| Apples, medium grade, Seattle, Wash.         | Box               |               |         |         |         | .983    | 1.405   | 1.316   |
| Oranges, choice, California, Chicago.        | do                | 6.209         | 6.540   | 4.929   | 3.819   | 2.951   | 3.509   | 3.295   |
| Hay, alfalfa, Kansas City                    | Ton               | 22.199        | 24.566  | 16.716  | 12.144  | 11.029  | 17.389  | 17.078  |
| Hay, timothy, No. 1, Chicago                 | do                | 24.055        | 20.394  | 17.629  | 12.721  | 12.769  | 21.896  | 19.029  |
| Milk, fluid, Chicago.                        | 100 lbs           | 3.001         | 2.955   | 2.775   | 2.182   | 1.941   | 2.260   | 2.259   |
| Milk, fluid, New York                        | do                | 3.419         | 3.997   | 3.448   | 2.379   | 2.432   | 3.051   | 3.290   |
| Peanuts, Norfolk                             | Pound             | .063          | .049    | .038    | .014    | .020    | .032    | .036    |
| Flaxseed, Minneapolis                        | Bushel            | 2.653         | 2.766   | 1.484   | 1.181   | 1.580   | 1.875   | 1.753   |
| Tobacco, leaf, warehouse sales               | 100 lbs.          |               | 20.125  | 12.203  | 8.464   | 11.647  | 15.716  | 21.875  |
| Potatoes, white, Chicago.                    | do                | 1.645         | 1.606   | 1.210   | .801    | 1.333   | 1.217   | .933    |
| Wool, Ohio, medium grades, Boston.           | Pound.            | .548          | .467    | .226    | .196    | .315    | .348    | .813    |
| II.—FOODS                                    |                   |               |         |         |         |         |         |         |
| Butter, creamery, extra:                     |                   |               |         |         |         |         |         |         |
| Chicago                                      | Pound             | .437          | .437    | .271    | .201    | .208    | .248    | .287    |
| New York                                     | do                | .450          | .449    | .283    | .210    | .217    | .255    | .296    |
| San Francisco                                | do                | .476          | .458    | .281    | .219    | .211    | .249    | .300    |
| Cheese, whole milk, Chicago.                 | do                | .219          | .221    | .141    | .120    | .117    | .129    | .156    |
| Milk, evaporated, New York                   | Case              | 4.396         | 4.267   | 3.642   | 2.789   | 2.808   | 2.979   | 3.218   |
| Beef, fresh, carcass, steers, Chicago.       | Pound.            | .170          | .231    | .156    | .131    | .095    | .114    | .176    |
| Lamb, fresh, Chicago.                        | do                | .258          | .256    | .167    | .134    | .121    | .140    | .156    |
| Hams, Chicago.                               | do                | .228          | .244    | .181    | .133    | .121    | .152    | .225    |
| Pork, mess, New York.                        | Barrel (200 lbs.) | 31.055        | 30.370  | 23.192  | 17.426  | 17.438  | 22.315  | 29.891  |
| Pork, bellies, cured, clear, Chicago.        | Pound             |               |         |         | .052    | .056    | .103    | .174    |
| Pork, fresh (composite price), Chicago.      | do                | .181          | .183    | .123    | .078    | .080    | .123    | .192    |
| Poultry, Chicago.                            | do                |               | .324    | .234    | .185    | .146    | .162    | .214    |
| Bread, Chicago.                              | do                | .075          | .075    | .074    | .070    | .053    | .066    | .069    |
| Bread, New York                              | do                | .070          | .066    | .066    | .060    | .061    | .065    | .069    |
| Coffee, Rio No. 7, New York.                 | do                | .162          | .157    | .062    | .081    | .078    | .098    | .072    |
| Salmon, canned, Alaska, red, No. 1, tall.    | Doz. cans.        | 2.645         | 2.709   | 2.848   | 1.869   | 1.602   | 1.720   | 1.840   |
| Flour, short patents, winter, Kansas City.   | Barrel            | 7.160         | 6.535   | 4.248   | 3.654   | 5.025   | 6.138   | 6.625   |
| Flour, standard patents, Minneapolis.        | do                | 7.468         | 6.786   | 4.878   | 4.192   | 5.683   | 7.041   | 7.676   |
| Flour, patents, Portland, Ore.               | do                | 7.992         | 7.176   | 4.550   | 4.606   | 5.951   | 6.899   | 7.343   |
| Raisins, seedless, packers.                  | Pound             |               | .046    | .053    | .048    | .038    | .045    | .042    |
| Bananas, Honduras, New York                  | Bunch             |               |         |         | 2.164   | 2.636   | 2.760   | 2.802   |
| Lard, prime, contract, New York.             | Pound.            | .141          | .120    | .080    | .050    | .057    | .083    | .145    |
| Oleomargarine, standard, uncolored, Chicago. | do                | .225          | .235    | .133    | .097    | .087    | .083    | .136    |
| Rice, Blue Rose, New Orleans.                | do                | .054          | .038    | .031    | .022    | .028    | .039    | .040    |
| Salt, American, medium, Chicago.             | Barrel            | 2.389         | 2.214   | 2.872   | 2.847   | 2.276   | 2.413   | 2.513   |
| Sugar, granulated, New York.                 | Pound.            | .071          | .051    | .044    | .040    | .043    | .044    | .049    |
| Sugar, raw, 96°, New York.                   | do                | .058          | .038    | .033    | .029    | .032    | .030    | .032    |
| Cottonseed oil, New York.                    | do                | .110          | .097    | .060    | .038    | .045    | .065    | .104    |

<sup>1</sup> Processing tax not included.

<sup>2</sup> Ton of 2,000 pounds.

<sup>3</sup> Case of 4 dozen 16-ounce cans. Price for 1931 to 1935 computed from price of 14½-ounce cans.

<sup>4</sup> Barrel of 280 pounds.

## No. 343.—WHOLESALE PRICES OF LEADING COMMODITIES—Continued

| Commodity                                      | Unit               | Average price |               |               |               |               |               |               |
|------------------------------------------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                                                |                    | 1923-1925     | 1929          | 1931          | 1932          | 1933          | 1934          | 1935          |
| III.—HIDES AND LEATHER PRODUCTS                |                    |               |               |               |               |               |               |               |
| Hides, packers, heavy, native steers, Chicago. | Pound.             | Dollars 0.158 | Dollars 0.171 | Dollars 0.091 | Dollars 0.061 | Dollars 0.097 | Dollars 0.100 | Dollars 0.130 |
| Calfskins, packers, Chicago.                   | do.                | .197          | .209          | .118          | .064          | .128          | .111          | .146          |
| Goat skins, Brazil, New York.                  | do.                | .811          | .750          | .617          | .415          | .514          | .559          | .567          |
| Leather:                                       |                    |               |               |               |               |               |               |               |
| Calf, chrome, B grade, tannery.                | Sq. ft.            | -----         | .395          | .345          | .259          | .302          | .307          | .352          |
| Glazed kid, top grade, Boston.                 | do.                | .681          | .725          | .600          | .436          | .459          | .521          | .530          |
| Side, black, chrome, tanned, B grade, Boston.  | do.                | .266          | .288          | .204          | .162          | .194          | .188          | .183          |
| Sole, oak, scoured backs, Boston.              | Pound.             | .480          | .529          | .365          | .291          | .309          | .290          | .344          |
| Shoes:                                         |                    |               |               |               |               |               |               |               |
| Child's, oxford, factory.                      | Pair.              | -----         | 1.496         | 1.140         | .998          | .998          | 1.093         | 1.093         |
| Men's, black calf, lace, oxford.               | do.                | -----         | 3.467         | 3.150         | 3.092         | 3.289         | 3.633         | 3.693         |
| Women's, black, 3 eye tie, McKay sewed.        | do.                | -----         | 2.600         | 2.175         | 1.998         | 2.181         | 2.491         | 2.487         |
| IV.—TEXTILE PRODUCTS                           |                    |               |               |               |               |               |               |               |
| Cotton goods, mill:                            |                    |               |               |               |               |               |               |               |
| Damask, table, mercerized, mill, 58-inch.      | Yard.              | -----         | .370          | .338          | .293          | .319          | .382          | .386          |
| Denims, 28-inch.                               | do.                | .238          | .181          | .114          | .091          | .123          | .148          | .141          |
| Drillings, brown, 30-inch.                     | do.                | .174          | .125          | .073          | .055          | .078          | .104          | .100          |
| Gingham, 27-inch.                              | do.                | .126          | .105          | .078          | .062          | .074          | .093          | .099          |
| Muslin, bleached, series 1.                    | do.                | .183          | .174          | .132          | .103          | .125          | .152          | .154          |
| Print cloth, 27-inch.                          | do.                | .070          | .052          | .033          | .026          | .038          | .048          | .049          |
| Sheeting, bleached, series 1.                  | do.                | .486          | .419          | .282          | .210          | .261          | .303          | .299          |
| Sheeting, brown, series 2.                     | do.                | .149          | .117          | .080          | .062          | .079          | .096          | .095          |
| Yarn, carded, white, northern, 22/1's cones.   | Pound.             | .459          | .358          | .216          | .178          | .258          | .312          | .305          |
| Knit goods, mill:                              |                    |               |               |               |               |               |               |               |
| Hosiery, women's, pure silk.                   | Doz. prs.          | 12.337        | 9.313         | 5.760         | 4.394         | 4.954         | 5.189         | 5.241         |
| Hosiery, men's, silk.                          | do.                | 5.750         | 3.850         | 2.717         | 2.259         | 2.352         | 2.299         | 2.117         |
| Women's union suits, cotton.                   | Dozen              | -----         | 9.500         | 8.187         | 6.445         | 7.341         | 7.981         | 7.840         |
| Silk and rayon:                                |                    |               |               |               |               |               |               |               |
| Rayon, 150 second quality, New York.           | Pound.             | 2.136         | 1.180         | .727          | .630          | .586          | .567          | .553          |
| Silk, raw, Japan, 20-22 yellow, New York.      | do.                | -----         | 4.880         | 2.413         | 1.540         | 1.573         | 1.193         | 1.554         |
| Woolen and worsted goods, mill:                |                    |               |               |               |               |               |               |               |
| Suiting serge, 15-ounce.                       | Yard.              | 2.478         | 1.961         | 1.586         | 1.328         | 1.664         | 1.861         | 1.788         |
| French serge, 54-inch.                         | do.                | .776          | .975          | .900          | .809          | .918          | 1.111         | 1.015         |
| Yarn, fine weaving, 2/50's.                    | Pound.             | 2.469         | 1.967         | 1.442         | 1.188         | 1.466         | 1.684         | 1.550         |
| Thread, 6-cord.                                | Spool.             | .033          | .037          | .035          | .035          | .035          | .031          | .028          |
| V.—FUEL AND LIGHTING                           |                    |               |               |               |               |               |               |               |
| Coal, anthracite, chestnut.                    | Ton <sup>2</sup> . | 13.861        | 12.886        | 12.768        | 12.184        | 11.264        | 10.801        | 10.741        |
| Coal, bituminous, mine run.                    | Ton <sup>2</sup> . | 4.387         | 3.953         | 3.736         | 3.638         | 3.667         | 4.131         | 4.242         |
| Coke, Connellsville, furnace.                  | do <sup>2</sup> .  | 4.378         | 2.780         | 2.400         | 2.123         | 2.495         | 3.654         | 3.567         |
| Electricity.                                   | 100 kwh.           | -----         | 1.353         | 1.446         | 1.532         | 1.380         | 1.344         | 1.285         |
| Manufactured gas.                              | 1,000 cuft.        | 1.062         | .985          | .984          | 1.013         | .991          | .975          | .965          |
| Petroleum, crude, Kans.-Okla.                  | Barrel.            | 1.610         | 1.233         | .573          | .811          | .567          | .940          | .940          |
| Fuel oil, refinery, Pennsylvania.              | Gallon.            | .056          | .048          | .027          | .032          | .035          | .038          | .040          |
| Gasoline, refinery, Pennsylvania.              | do.                | .130          | .091          | .050          | .057          | .051          | .052          | .052          |
| VI.—METALS AND PRODUCTS                        |                    |               |               |               |               |               |               |               |
| Iron ore, non-Bessemer.                        | Ton <sup>2</sup> . | 4.924         | 4.443         | 4.500         | 4.500         | 4.500         | 4.500         | 4.500         |
| Pig iron, basic, furnace.                      | do.                | 21.873        | 18.189        | 15.837        | 13.981        | 15.240        | 17.692        | 18.170        |
| Pig iron, Bessemer, Pittsburgh.                | do.                | 24.860        | 20.538        | 18.693        | 17.121        | 18.261        | 20.452        | 21.011        |
| Nails, wire, Pittsburgh.                       | 100 lbs.           | 2.948         | 2.667         | 1.978         | 2.050         | 2.089         | 2.623         | 2.623         |
| Pipe, cast-iron, 6-inch, New York.             | Ton <sup>2</sup> . | 57.549        | 36.696        | 34.454        | 30.398        | 37.764        | 44.077        | 45.113        |
| Skelp, grooved, Pittsburgh.                    | 100 lbs.           | 2.149         | 1.859         | 1.611         | 1.567         | 1.600         | 1.669         | 1.713         |
| Steel billets, rerolling, Pittsburgh.          | Ton <sup>2</sup> . | 38.465        | 34.642        | 28.346        | 26.519        | 26.000        | 27.115        | 27.294        |
| Steel plates, tank, Pittsburgh.                | Pound.             | .021          | .019          | .016          | .016          | .016          | .018          | .018          |
| Steel rails, open-hearth, mill.                | Ton <sup>2</sup> . | 43.000        | 43.000        | 43.000        | 42.377        | 39.329        | 36.375        | 36.375        |
| Steel sheets, No. 27, mill.                    | Pound.             | .035          | .030          | .025          | .023          | .023          | .026          | .026          |
| Steel, structural, mill.                       | 100 lbs.           | 2.229         | 1.921         | 1.627         | 1.594         | 1.626         | 1.777         | 1.890         |
| Tin plate, Pittsburgh.                         | do.                | 5.470         | 5.350         | 4.942         | 4.712         | 4.427         | 5.250         | 5.250         |
| Aluminum, virgin ingot, New York.              | Pound.             | -----         | .243          | .233          | .233          | .233          | .216          | .205          |
| Copper, ingot, electrolytic, refinery.         | do.                | .139          | .181          | .081          | .056          | .070          | .064          | .086          |
| Lead, pig, desilverized, New York.             | do.                | .083          | .068          | .042          | .032          | .039          | .039          | .041          |
| Silver, bar, fine, New York.                   | Ounce.             | .672          | .533          | .290          | .283          | .360          | .432          | .643          |
| Tin, pig, New York.                            | Pound.             | .502          | .452          | .244          | .219          | .394          | .523          | .504          |
| Zinc, pig, slab, New York.                     | do.                | .072          | .068          | .040          | .033          | .044          | .045          | .047          |

<sup>2</sup> Ton of 2,000 pounds.<sup>3</sup> For 1923-1925, 35-inch; for 1929, 39-inch.<sup>4</sup> Ton of 2,240 pounds.

## No. 343.—WHOLESALE PRICES OF LEADING COMMODITIES—Continued

| Commodity                                                           | Unit             | Average price |         |         |         |         |         |         |
|---------------------------------------------------------------------|------------------|---------------|---------|---------|---------|---------|---------|---------|
|                                                                     |                  | 1923-1925     | 1920    | 1931    | 1932    | 1933    | 1934    | 1935    |
| VI.—METALS, ETC.—continued                                          |                  |               |         |         |         |         |         |         |
| Agricultural implements, factory:                                   |                  | Dollars       | Dollars | Dollars | Dollars | Dollars | Dollars | Dollars |
| Cultivator.....                                                     | Each             | 45.813        | 40.845  | 39.420  | 39.420  | 30.420  | 41.484  | 44.333  |
| Harrow, peg tooth.....                                              | do               | 16.973        | 14.824  | 13.750  | 13.390  | 13.390  | 14.027  | 16.910  |
| Plow, 2-horse.....                                                  | do               | 16.599        | 15.268  | 14.686  | 12.799  | 12.485  | 13.107  | 13.624  |
| Separator, cream.....                                               | do               | 59.053        | 60.338  | 58.230  | 55.461  | 56.100  | 59.414  | 61.873  |
| Tractor, 10-20 horsepower.....                                      | do               | 663.0         | 680.0   | 637.0   | 602.6   | 602.5   | 642.2   | 699.4   |
| Automobiles, passenger, f. o. b. factory. <sup>1</sup>              | do               |               | 773.0   | 689.0   | 687.0   | 671.0   | 710.0   | 707.0   |
| Trucks, f. o. b. factory.....                                       | do               |               | 971.6   | 845.2   | 821.2   | 760.0   | 770.8   | 742.9   |
| VII.—BUILDING MATERIALS                                             |                  |               |         |         |         |         |         |         |
| Douglas fir, No. 1, common sheathing, mill.....                     | 1,000 ft.        | 17.972        | 18.293  | 11.648  | 9.415   | 14.118  | 17.631  | 16.000  |
| Oak, plain, white, No. 1, Cincinnati.....                           | do               | 66.200        | 67.623  | 46.308  | 41.035  | 44.789  | 40.115  | 44.509  |
| Pine, white, No. 2, Buffalo.....                                    | do               | 59.957        | 48.453  | 44.600  | 43.250  | 44.054  | 44.014  | 44.000  |
| Pine, yellow, flooring, mill.....                                   | do               |               |         | 28.229  | 19.506  | 26.757  | 36.053  | 36.021  |
| Pine, yellow, timbers, mill.....                                    | do               |               |         | 18.876  | 14.071  | 19.183  | 24.378  | 22.752  |
| Shingles, cedar, red, mill.....                                     | Square           |               |         | 1.505   | 1.409   | 1.984   | 2.431   | 2.511   |
| Brick, common, building, plant.....                                 | 1,000            | 14.323        | 13.616  | 11.817  | 10.694  | 10.530  | 12.001  | 11.708  |
| Cement, Portland.....                                               | Barrel           | 1.838         | 1.601   | 1.393   | 1.355   | 1.512   | 1.637   | 1.603   |
| Linseed oil, raw, New York.....                                     | Pound            | .134          | .123    | .084    | .063    | .091    | .094    | .094    |
| Whitelead, in oil, New York.....                                    | do               | .141          | .138    | .133    | .120    | .110    | .110    | .110    |
| Glass, plate, 5 to 10 sq. ft., N. Y.....                            | Sq. ft.          | .638          | .385    | .805    | .365    | .367    | .313    | .260    |
| Glass, window, single B, works.....                                 | 50 sq. ft.       | 3.389         | 3.420   | 2.068   | 2.146   | 2.539   | 2.165   | 2.433   |
| Lime, building, plant.....                                          | Ton              | 9.586         | 7.987   | 7.672   | 6.933   | 7.043   | 7.238   | 7.208   |
| VIII.—CHEMICALS AND DRUGS                                           |                  |               |         |         |         |         |         |         |
| Acid, sulphuric, 66°, New York.....                                 | Ton              | 14.297        | 15.500  | 15.600  | 15.500  | 15.500  | 15.500  | 15.500  |
| Alcohol, denatured, New York.....                                   | Gallon           | .511          | .570    | .307    | .371    | .363    | .337    | .407    |
| Ammonia, anhydrous, New York.....                                   | Pound            | .289          | .140    | .153    | .155    | .155    | .155    | .158    |
| Soda ash, light, 58 per cent, works.....                            | 100 lbs.         |               | 1.345   | 1.161   | 1.182   | 1.197   | 1.230   | 1.230   |
| Soda, caustic, works.....                                           | do               | 3.280         | 2.950   | 2.524   | 2.609   | 2.762   | 2.600   | 2.600   |
| Tallow, packer's prime, Chicago.....                                | Pound            | .088          | .088    | .039    | .032    | .034    | .042    | .070    |
| Alcohol, grain, New York.....                                       | Gallon           | 4.802         | 2.745   | 2.602   | 2.495   | 2.509   | 4.289   | 4.505   |
| Phenol, U. S. P., New York.....                                     | Pound            | .291          | .138    | .143    | .143    | .143    | .143    | .143    |
| Superphosphate, Baltimore.....                                      | Ton              | 8.732         | 9.731   | 7.755   | 7.274   | 6.837   | 7.789   | 7.870   |
| Nitrate of soda, 95 per cent, N. Y.....                             | 100 lbs.         | 2.526         | 2.157   | 1.681   | 1.586   | 1.306   | 1.324   | 1.275   |
| Sulphate of ammonia, exvessel, ports.....                           | Ton              |               |         | 29.558  | 20.821  | 22.637  | 24.490  | 23.904  |
| Fertilizers, mixed, South Atlantic, 3-8-3, Series II.....           | do               |               | 22.400  | 19.125  | 16.000  | 14.771  | 17.347  | 16.040  |
| IX.—HOUSEFURNISHING GOODS <sup>2</sup>                              |                  |               |         |         |         |         |         |         |
| Blankets, all wool, factory.....                                    | Pound            |               | 1.333   | 1.028   | .945    | 1.130   | 1.343   | 1.201   |
| Carpets, Brussels, factory.....                                     | Yard             | 3.036         | 2.976   | 2.490   | 2.429   | 2.410   | 2.478   | 2.544   |
| Sewing machines, electric.....                                      | Each             | 73.620        | 84.604  | 80.458  | 68.111  | 62.954  | 62.024  | 63.054  |
| Stoves, gas.....                                                    | do               |               |         |         |         | 53.814  | 50.508  | 50.188  |
| Vacuum cleaners, electric, without attachments.....                 | do               | 20.090        | 14.725  | 13.181  | 11.760  | 11.287  | 12.054  | 10.936  |
| Washing machines, electric, 2-speed, 6-sheet capacity, factory..... | do               |               | 60.760  | 48.977  | 39.501  | 37.875  | 30.839  | 30.839  |
| X.—MISCELLANEOUS                                                    |                  |               |         |         |         |         |         |         |
| Brant, Minneapolis.....                                             | Ton <sup>3</sup> | 24.546        | 26.594  | 13.103  | 9.885   | 12.567  | 20.188  | 20.498  |
| Cottonseed meal, prime, Memphis.....                                | do               | 41.020        | 38.542  | 10.646  | 13.120  | 17.289  | 27.648  | 25.401  |
| Middlings, standard, Minneapolis.....                               | do               | 25.850        | 27.741  | 13.051  | 9.815   | 13.106  | 20.607  | 21.759  |
| Paper, newsprint rolls, destination, New York basis.....            | do               |               | 62.00   | 57.00   | 50.39   | 41.25   | 40.00   | 40.00   |
| Paper, wrapping, manilla, No. 1, jute, New York.....                | 100 lbs.         | 10.490        | 9.125   | 9.125   | 9.125   | 9.125   | 9.125   | 9.125   |
| Wood pulp, sulphite, domestic, unbleached, New York.....            | do               | 2.745         | 2.536   | 2.186   | 1.571   | 1.680   | 2.100   | 1.942   |
| Rubber, plantation, ribbed, N. Y.....                               | Pound            | .434          | .206    | .062    | .035    | .060    | .120    | .124    |
| Automobile tires, balloon, factory.....                             | Each             |               | 11.845  | 9.656   | 8.840   | 8.640   | 9.263   | 9.319   |
| Cylinder oil, Oklahoma.....                                         | Gallon           | .168          | .266    | .153    | .174    | .175    | .191    | .140    |
| Neutral oil, Pennsylvania.....                                      | do               | .204          | .269    | .202    | .164    | .169    | .279    | .236    |
| Soap, laundry, Philadelphia.....                                    | 100 cakes        | 4.867         | 4.851   | 4.851   | 4.528   | 4.449   | 4.067   | 4.067   |
| Starch, laundry, New York.....                                      | Pound            | .056          | .058    | .053    | .046    | .042    | .052    | .058    |
| Tobacco, plug, New York.....                                        | do               | .698          | .696    | .699    | .699    | .597    | .642    | .642    |
| Tobacco, smoking, 1-oz. bag, N. Y.....                              | Gross            | 8.898         | 8.320   | 7.017   | 5.120   | 5.120   | 5.120   | 5.120   |
| Cigarettes, destination.....                                        | 1,000            |               | 5.398   | 5.851   | 6.042   | 4.902   | 5.370   | 5.380   |

<sup>1</sup> Ton of 2,240 pounds.<sup>2</sup> Weighted average price of Buick, Cadillac, Chevrolet, Dodge, Ford, and Packard cars.<sup>3</sup> Owing to frequent changes in patterns announced by manufacturers, prices of individual articles of furniture are only roughly comparable from year to year and are not shown.<sup>4</sup> Average for 1924 and 1925.

Source: Bureau of Labor Statistics, Department of Labor.

## No. 344.—WHOLESALE PRICES: INDEX NUMBERS

NOTE.—Figures in boxes indicate number of quotations. As originally published, Bradstreet's "Index" is the sum of the prices per pound of 96 commodities; Dun's represents the aggregate cost per capita of a year's supply of the approximately 300 commodities included. In the following table, both series have been converted to a 1926 base by the Bureau of Foreign and Domestic Commerce. Indexes of the National Bureau of Economic Research for 1913 to 1928 are unweighted geometric means for approximately 490 commodities (converted from a 1913 base to a 1929 base by the Bureau of Foreign and Domestic Commerce); for subsequent years, they are weighted arithmetic means for over 600 commodities, the weights being based upon the average value of production in 1927 and 1931. For method of computing the Department of Labor Index see general note, p. 298.

| Year      | Brad-<br>street's<br>index<br>(1926=<br>100) | Dun's<br>index<br>(1926=<br>100) | Department of Labor (1926=100) |                    |                                    |                      | Nat. Bureau of Economic<br>Research (1929=100) |                       |                       |
|-----------|----------------------------------------------|----------------------------------|--------------------------------|--------------------|------------------------------------|----------------------|------------------------------------------------|-----------------------|-----------------------|
|           |                                              |                                  | All com-<br>modities           | Raw ma-<br>terials | Semi-manu-<br>factured<br>articles | Finished<br>products | All com-<br>modities <sup>1</sup>              | Pro-<br>ducers' goods | Con-<br>sumers' goods |
|           |                                              |                                  | 784 <sup>1</sup>               | 109 <sup>1</sup>   | 93 <sup>1</sup>                    | 582 <sup>1</sup>     |                                                |                       |                       |
| 1915..... | 77.4                                         | 87.6                             | 69.5                           | 67.2               | 81.2                               | 68.9                 | 69.3                                           | 74.1                  | 82.7                  |
| 1916..... | 93.3                                         | 80.3                             | 85.6                           | 82.6               | 118.3                              | 82.3                 | 87.1                                           | 93.4                  | 72.7                  |
| 1917..... | 128.8                                        | 110.6                            | 117.5                          | 122.6              | 150.4                              | 109.2                | 115.4                                          | 127.9                 | 99.0                  |
| 1918..... | 146.2                                        | 121.9                            | 131.3                          | 135.8              | 163.8                              | 124.7                | 132.0                                          | 141.2                 | 119.0                 |
| 1919..... | 145.6                                        | 123.2                            | 138.6                          | 145.9              | 167.9                              | 130.6                | 137.2                                          | 142.1                 | 129.7                 |
| 1920..... | 140.6                                        | 129.3                            | 154.4                          | 151.8              | 193.2                              | 149.8                | 153.7                                          | 161.4                 | 142.5                 |
| 1921..... | 87.2                                         | 89.1                             | 97.6                           | 88.3               | 96.1                               | 103.3                | 101.6                                          | 101.6                 | 101.4                 |
| 1922..... | 95.3                                         | 92.3                             | 96.7                           | 96.0               | 98.9                               | 96.5                 | 100.0                                          | 102.2                 | 96.6                  |
| 1923..... | 103.5                                        | 100.8                            | 100.5                          | 98.5               | 118.6                              | 99.2                 | 105.5                                          | 110.4                 | 98.7                  |
| 1924..... | 100.0                                        | 100.9                            | 98.1                           | 97.6               | 108.7                              | 96.3                 | 103.5                                          | 106.5                 | 99.2                  |
| 1925..... | 108.0                                        | 104.6                            | 108.5                          | 106.7              | 106.3                              | 100.6                | 107.7                                          | 108.6                 | 100.1                 |
| 1926..... | 100.0                                        | 100.0                            | 100.0                          | 100.0              | 100.0                              | 100.0                | 103.4                                          | 103.8                 | 102.7                 |
| 1927..... | 99.4                                         | 98.4                             | 96.4                           | 96.5               | 94.3                               | 95.0                 | 100.1                                          | 100.4                 | 99.5                  |
| 1928..... | 102.4                                        | 103.1                            | 96.7                           | 99.1               | 94.5                               | 95.9                 | 101.3                                          | 101.6                 | 100.8                 |
| 1929..... | 97.3                                         | 101.0                            | 95.3                           | 97.5               | 93.9                               | 94.5                 | 100.0                                          | 100.0                 | 100.0                 |
| 1930..... | 81.8                                         | 81.8                             | 86.4                           | 84.3               | 81.8                               | 88.0                 | 90.5                                           | 88.5                  | 93.3                  |
| 1931..... | 66.0                                         | 77.3                             | 73.0                           | 65.6               | 60.0                               | 77.0                 | 76.5                                           | 73.2                  | 80.7                  |
| 1932..... | 54.3                                         | 70.7                             | 64.8                           | 55.1               | 59.3                               | 70.3                 | 67.5                                           | 64.9                  | 70.8                  |
| 1933..... | 62.1                                         | 78.1                             | 65.9                           | 56.5               | 65.4                               | 70.5                 | 69.6                                           | 68.4                  | 71.2                  |
| 1934..... | 71.8                                         | 88.5                             | 74.9                           | 68.6               | 72.8                               | 79.1                 | 78.6                                           | 79.6                  | 79.6                  |
| 1935..... | 77.4                                         | 92.9                             | 80.0                           | 77.1               | 73.6                               | 82.2                 | 83.6                                           | 83.0                  | 84.4                  |

<sup>1</sup> Beginning 1926. In earlier years a smaller number of commodities was included. <sup>2</sup> See headnote.

## No. 345.—COST OF GOODS PURCHASED BY WAGE EARNERS AND LOWER-SALARIED WORKERS IN THE UNITED STATES: INDEX NUMBERS

NOTE.—1923-1925 average=100. Figures for food represent 51 cities since 1920 and a smaller number in earlier years; other figures, 19 cities from 1913 to 1917, and 32 cities thereafter. Totals weighted by relative importance of items as ascertained by country-wide study of cost of living made in 1918-19

| Date               | All items | Food  | Clothing | Rent  | Fuel and<br>light | House<br>furnish-<br>ings | Miscel-<br>laneous |
|--------------------|-----------|-------|----------|-------|-------------------|---------------------------|--------------------|
| 1913—Average.....  | 57.4      | 63.1  | 55.7     | 61.4  | 54.0              | 47.7                      | 50.1               |
| 1914—December..... | 58.9      | 66.3  | 50.3     | 61.4  | 54.5              | 49.6                      | 51.6               |
| 1915—December..... | 60.1      | 66.3  | 53.3     | 62.3  | 54.6              | 52.8                      | 53.9               |
| 1916—December..... | 66.9      | 79.5  | 66.9     | 62.8  | 58.5              | 61.0                      | 56.8               |
| 1917—December..... | 79.4      | 99.1  | 83.1     | 61.5  | 67.0              | 71.8                      | 70.4               |
| 1918—December..... | 95.8      | 118.2 | 118.9    | 64.7  | 78.8              | 97.8                      | 81.9               |
| 1919—June.....     | 98.2      | 117.3 | 123.8    | 67.3  | 77.9              | 104.0                     | 84.3               |
| December.....      | 109.8     | 126.4 | 159.5    | 73.1  | 82.7              | 123.0                     | 92.9               |
| 1920—June.....     | 121.3     | 146.1 | 168.6    | 79.4  | 91.4              | 137.0                     | 99.2               |
| December.....      | 112.2     | 115.7 | 161.0    | 87.5  | 103.7             | 132.8                     | 103.2              |
| 1921—May.....      | 102.8     | 95.8  | 129.8    | 92.7  | 98.4              | 114.3                     | 103.2              |
| September.....     | 101.7     | 102.1 | 112.2    | 93.3  | 98.1              | 108.2                     | 102.5              |
| December.....      | 100.3     | 99.7  | 107.2    | 94.8  | 99.0              | 100.4                     | 102.0              |
| 1922—March.....    | 96.8      | 93.5  | 102.4    | 94.6  | 96.1              | 95.0                      | 100.4              |
| June.....          | 97.0      | 95.6  | 100.4    | 95.0  | 95.7              | 93.2                      | 99.5               |
| September.....     | 96.4      | 93.3  | 99.3     | 95.2  | 100.8             | 93.4                      | 99.2               |
| December.....      | 97.7      | 96.7  | 99.4     | 95.8  | 102.1             | 96.3                      | 98.9               |
| 1923—March.....    | 97.5      | 94.6  | 100.8    | 96.3  | 101.3             | 100.7                     | 99.0               |
| June.....          | 98.6      | 97.2  | 101.1    | 97.3  | 98.7              | 102.8                     | 99.1               |
| September.....     | 100.1     | 100.6 | 101.9    | 98.2  | 99.8              | 102.9                     | 99.6               |
| December.....      | 100.2     | 99.5  | 101.8    | 99.7  | 101.1             | 102.9                     | 100.0              |
| 1924—March.....    | 99.0      | 95.9  | 101.5    | 100.2 | 99.9              | 102.1                     | 99.7               |
| June.....          | 98.9      | 96.0  | 100.6    | 101.3 | 97.6              | 99.4                      | 98.8               |
| September.....     | 99.2      | 97.3  | 99.5     | 101.4 | 98.9              | 98.6                      | 98.8               |
| December.....      | 100.0     | 96.5  | 98.9     | 101.7 | 99.5              | 99.1                      | 100.2              |
| 1925—June.....     | 101.4     | 104.2 | 98.5     | 101.4 | 98.0              | 97.9                      | 100.8              |
| December.....      | 104.0     | 111.1 | 97.9     | 101.3 | 105.9             | 97.8                      | 101.1              |
| 1926—June.....     | 102.5     | 108.9 | 97.1     | 100.4 | 100.0             | 96.8                      | 101.0              |
| December.....      | 102.3     | 108.1 | 96.2     | 100.0 | 103.4             | 94.7                      | 101.4              |

**No. 345.—COST OF GOODS PURCHASED BY WAGE EARNERS AND LOWER-SALARIED WORKERS IN THE UNITED STATES: INDEX NUMBERS.—Contd.**

| Date                 | All items | Food  | Clothing | Rent | Fuel and light | House-furnishings | Miscellaneous |
|----------------------|-----------|-------|----------|------|----------------|-------------------|---------------|
| 1927—June.....       | 101.9     | 108.7 | 95.8     | 99.0 | 99.8           | 98.4              | 101.7         |
| December.....        | 100.4     | 104.7 | 94.0     | 97.9 | 101.0          | 99.0              | 102.1         |
| 1928—June.....       | 99.2      | 102.5 | 93.8     | 95.5 | 98.1           | 91.1              | 102.1         |
| December.....        | 99.4      | 103.2 | 93.3     | 95.5 | 100.0          | 90.5              | 102.8         |
| 1929—June.....       | 99.1      | 103.7 | 92.8     | 94.3 | 97.3           | 90.2              | 103.0         |
| December.....        | 99.7      | 105.7 | 92.2     | 93.3 | 99.5           | 89.9              | 103.4         |
| 1930—June.....       | 97.7      | 101.2 | 91.5     | 92.0 | 96.2           | 88.8              | 103.7         |
| December.....        | 93.9      | 92.1  | 88.1     | 90.1 | 98.4           | 85.1              | 103.4         |
| 1931—June.....       | 88.3      | 80.6  | 83.4     | 87.3 | 94.1           | 79.3              | 102.8         |
| December.....        | 85.1      | 76.2  | 77.6     | 83.9 | 95.6           | 74.9              | 101.8         |
| 1932—June.....       | 79.7      | 67.6  | 73.5     | 78.5 | 89.1           | 68.4              | 100.4         |
| December.....        | 76.6      | 64.7  | 69.5     | 72.7 | 90.1           | 65.6              | 98.8          |
| 1933—June.....       | 74.5      | 64.9  | 68.4     | 66.8 | 86.2           | 65.8              | 96.4          |
| December.....        | 77.2      | 69.4  | 76.2     | 63.9 | 90.3           | 73.6              | 96.8          |
| 1934—June.....       | 78.3      | 73.3  | 77.9     | 82.7 | 88.0           | 75.0              | 96.6          |
| November 15.....     | 79.0      | 75.2  | 77.8     | 82.7 | 89.3           | 75.5              | 96.7          |
| 1935—March 15.....   | 80.5      | 79.7  | 78.0     | 82.6 | 89.6           | 76.0              | 96.8          |
| July 15.....         | 80.4      | 80.2  | 77.8     | 82.7 | 85.2           | 76.2              | 96.7          |
| October 15.....      | 80.7      | 80.2  | 78.0     | 83.3 | 88.0           | 77.0              | 96.6          |
| 1936—January 15..... | 81.3      | 81.6  | 78.3     | 83.5 | 88.6           | 77.0              | 96.6          |
| April 15.....        | 80.7      | 79.4  | 78.5     | 83.7 | 88.3           | 77.3              | 96.5          |

**No. 346.—COST OF GOODS PURCHASED BY WAGE EARNERS AND LOWER-SALARIED WORKERS IN PRINCIPAL CITIES: INDEX NUMBERS**

[1923-25 average=100]

| City                                         | Index of total cost of goods purchased for— |           |           |           |           |               |               | Index, April 15, 1936, for— |          |         |                |                         |               |
|----------------------------------------------|---------------------------------------------|-----------|-----------|-----------|-----------|---------------|---------------|-----------------------------|----------|---------|----------------|-------------------------|---------------|
|                                              | Dec. 1926                                   | Dec. 1930 | Dec. 1932 | Dec. 1933 | Nov. 1934 | Oct. 15, 1935 | Apr. 15, 1936 | Food                        | Clothing | Housing | Fuel and light | House-furnishings goods | Miscellaneous |
| United States (33 cities) <sup>1</sup> ..... | 102.3                                       | 93.9      | 76.6      | 77.9      | 79.0      | 80.7          | 80.7          | 79.4                        | 78.5     | 68.7    | 88.3           | 77.3                    | 95.5          |
| Atlanta.....                                 | 100.9                                       | 89.9      | 71.9      | 74.7      | 77.1      | 79.6          | 79.0          | 75.0                        | 80.8     | 59.1    | 76.0           | 86.7                    | 93.8          |
| Baltimore.....                               | 102.5                                       | 95.8      | 79.9      | 81.4      | 82.9      | 84.9          | 85.0          | 83.9                        | 79.1     | 71.2    | 86.7           | 77.0                    | 104.7         |
| Birmingham.....                              | 102.1                                       | 89.3      | 68.5      | 70.2      | 73.4      | 75.3          | 73.9          | 69.7                        | 82.7     | 47.6    | 77.2           | 75.0                    | 91.9          |
| Boston.....                                  | 103.5                                       | 95.9      | 78.6      | 79.7      | 82.0      | 82.9          | 82.6          | 76.8                        | 84.1     | 75.5    | 85.4           | 76.1                    | 98.2          |
| Buffalo.....                                 | 103.7                                       | 95.6      | 78.4      | 78.8      | 79.9      | 81.6          | 81.8          | 78.8                        | 77.0     | 65.6    | 99.7           | 79.8                    | 98.4          |
| Chicago.....                                 | 102.9                                       | 93.5      | 78.4      | 72.4      | 73.5      | 76.1          | 76.2          | 80.0                        | 72.5     | 50.8    | 91.9           | 70.0                    | 98.5          |
| Cincinnati.....                              | 104.6                                       | 98.8      | 79.7      | 80.5      | 82.2      | 84.5          | 84.3          | 82.1                        | 77.2     | 73.5    | 93.8           | 83.7                    | 97.4          |
| Cleveland.....                               | 101.8                                       | 93.3      | 76.4      | 77.2      | 78.8      | 81.5          | 81.7          | 79.0                        | 80.9     | 59.2    | 100.4          | 74.2                    | 101.8         |
| Denver.....                                  | 100.2                                       | 91.1      | 75.5      | 76.1      | 79.0      | 80.8          | 81.1          | 84.5                        | 76.3     | 57.5    | 78.4           | 83.4                    | 97.2          |
| Detroit.....                                 | 100.4                                       | 88.3      | 67.9      | 69.1      | 71.9      | 75.9          | 77.0          | 79.4                        | 78.2     | 66.6    | 83.9           | 77.2                    | 91.7          |
| Houston.....                                 | 100.4                                       | 91.3      | 72.2      | 75.5      | 78.3      | 79.4          | 79.5          | 78.3                        | 73.9     | 66.7    | 73.2           | 82.0                    | 95.2          |
| Indianapolis.....                            | 101.2                                       | 91.9      | 73.9      | 75.6      | 76.5      | 79.1          | 79.2          | 77.9                        | 74.9     | 58.0    | 89.3           | 81.8                    | 92.9          |
| Jacksonville.....                            | 107.7                                       | 90.6      | 73.5      | 75.5      | 77.2      | 78.9          | 78.5          | 76.1                        | 78.8     | 66.0    | 89.2           | 79.0                    | 90.2          |
| Kansas City.....                             | 99.6                                        | 92.6      | 76.9      | 76.7      | 79.2      | 80.1          | 79.6          | 79.4                        | 76.9     | 58.0    | 81.7           | 74.4                    | 97.1          |
| Los Angeles.....                             | 96.9                                        | 88.6      | 73.5      | 72.5      | 74.1      | 75.2          | 75.1          | 72.5                        | 81.7     | 46.1    | 96.8           | 76.0                    | 91.2          |
| Memphis.....                                 | 100.0                                       | 91.3      | 73.8      | 76.1      | 78.8      | 78.7          | 79.3          | 76.5                        | 83.7     | 54.8    | 88.5           | 85.3                    | 94.8          |
| Minneapolis.....                             | 100.9                                       | 94.0      | 78.2      | 78.2      | 79.6      | 81.3          | 81.8          | 82.1                        | 77.1     | 63.9    | 91.8           | 79.4                    | 95.4          |
| Mobile.....                                  | 104.0                                       | 95.5      | 77.0      | 79.2      | 81.0      | 82.1          | 81.0          | 74.3                        | 86.9     | 62.9    | 69.6           | 82.5                    | 97.3          |
| New Orleans.....                             | 101.0                                       | 92.6      | 77.6      | 79.1      | 81.0      | 81.4          | 80.8          | 80.9                        | 75.7     | 70.3    | 76.2           | 82.6                    | 90.4          |
| New York.....                                | 102.7                                       | 96.5      | 81.0      | 80.5      | 82.1      | 83.4          | 83.0          | 81.3                        | 78.4     | 75.2    | 88.3           | 74.4                    | 96.0          |
| Norfolk.....                                 | 101.4                                       | 95.4      | 78.7      | 80.9      | 82.9      | 84.1          | 83.7          | 78.4                        | 84.8     | 62.3    | 82.5           | 80.8                    | 103.8         |
| Philadelphia.....                            | 104.5                                       | 94.3      | 78.8      | 78.4      | 79.6      | 80.9          | 81.3          | 82.1                        | 74.8     | 65.2    | 84.1           | 76.9                    | 95.9          |
| Pittsburgh.....                              | 103.2                                       | 93.8      | 76.0      | 76.0      | 77.8      | 79.6          | 79.1          | 77.6                        | 76.6     | 60.7    | 90.7           | 75.2                    | 96.2          |
| Portland, Maine.....                         | 101.8                                       | 95.4      | 79.9      | 82.5      | 84.4      | 85.0          | 84.7          | 78.3                        | 80.7     | 76.4    | 83.0           | 85.3                    | 103.0         |
| Portland, Oreg.....                          | 99.1                                        | 89.6      | 75.2      | 74.4      | 77.5      | 79.3          | 80.8          | 79.9                        | 78.5     | 64.6    | 85.9           | 78.7                    | 98.4          |
| Richmond.....                                | 102.9                                       | 93.4      | 77.1      | 79.9      | 81.7      | 83.6          | 82.8          | 74.3                        | 84.6     | 68.7    | 81.9           | 88.4                    | 99.7          |
| St. Louis.....                               | 103.7                                       | 94.7      | 76.4      | 77.0      | 79.4      | 81.2          | 81.4          | 83.4                        | 78.3     | 55.3    | 90.1           | 83.4                    | 99.9          |
| San Francisco.....                           | 101.3                                       | 95.0      | 80.7      | 81.3      | 83.9      | 84.0          | 83.9          | 80.7                        | 86.4     | 69.6    | 83.4           | 79.8                    | 98.0          |
| Savannah.....                                | 101.6                                       | 93.2      | 76.7      | 78.3      | 79.4      | 81.2          | 79.4          | 79.4                        | 81.2     | 58.6    | 82.4           | 82.0                    | 91.2          |
| Scranton.....                                | 103.8                                       | 95.2      | 78.0      | 80.0      | 80.6      | 82.8          | 81.8          | 76.5                        | 80.1     | 73.0    | 75.8           | 83.9                    | 98.6          |
| Seattle.....                                 | 100.6                                       | 93.4      | 78.6      | 79.2      | 80.9      | 82.2          | 83.2          | 79.6                        | 84.2     | 62.4    | 92.6           | 84.7                    | 96.8          |
| Washington, D. C.....                        | 102.5                                       | 94.7      | 79.1      | 81.8      | 83.9      | 86.3          | 85.5          | 81.3                        | 78.0     | 85.8    | 85.4           | 81.4                    | 97.4          |

<sup>1</sup> Index numbers for food based on prices for 51 cities.

Source of tables 345 and 346: Bureau of Labor Statistics, Department of Labor.



## No. 347.—RETAIL COSTS OF ALL FOODS: INDEX NUMBERS, REVISED SERIES

NOTE.—The "old series" represents the series carried in previous issues of the Statistical Abstract converted from a 1913 base by the Bureau of Foreign and Domestic Commerce. The simple average of indexes for 1923, 1924, and 1925 on the 1913 base was used for converting. The "revised series" published for 1920 to 1935 incorporates certain changes in methods of weighting and computation (see last paragraph of general note, p. 238, for a brief description of this index)

[1923-26 average=100]

| Year | Old series | Year | Old series | Year | Old series | Year | Old series | Revised series |
|------|------------|------|------------|------|------------|------|------------|----------------|
| 1890 | 46         | 1902 | 50         | 1914 | 68         | 1926 | 107.2      | ---            |
| 1891 | 47         | 1903 | 50         | 1915 | 67         | 1927 | 103.7      | ---            |
| 1892 | 48         | 1904 | 51         | 1916 | 76         | 1928 | 103.0      | ---            |
| 1893 | 47         | 1905 | 51         | 1917 | 97         | 1929 | 104.6      | 104.7          |
| 1894 | 45         | 1906 | 53         | 1918 | 112        | 1930 | 98.2       | 99.6           |
| 1895 | 45         | 1907 | 55         | 1919 | 124        | 1931 | 81.0       | 82.0           |
| 1896 | 43         | 1908 | 56         | 1920 | 136        | 1932 | 68.2       | 68.3           |
| 1897 | 43         | 1909 | 59         | 1921 | 102        | 1933 | 66.6       | 66.4           |
| 1898 | 45         | 1910 | 62         | 1922 | 95         | 1934 | 74.0       | 74.1           |
| 1899 | 45         | 1911 | 61         | 1923 | 97.6       | 1935 | ---        | 80.4           |
| 1900 | 46         | 1912 | 66         | 1924 | 97.4       | ---  | ---        | ---            |
| 1901 | 48         | 1913 | 67         | 1925 | 105.1      | ---  | ---        | ---            |

## No. 348.—RETAIL COSTS OF ALL FOODS, BY REGIONS: INDEX NUMBERS, REVISED SERIES

[1923-25 average=100]

| Year and month | All regions | New England | Middle Atlantic | East North Central | West North Central | South Atlantic | East South Central | West South Central | Mountain | Pacific  |
|----------------|-------------|-------------|-----------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------|
|                | 51 cities   | 7 cities    | 7 cities        | 9 cities           | 5 cities           | 8 cities       | 4 cities           | 4 cities           | 3 cities | 4 cities |
| 1929           | 104.7       | 104.1       | 104.8           | 106.3              | 105.7              | 103.1          | 104.1              | 103.2              | 102.3    | 102.1    |
| March          | 101.4       | 100.7       | 101.3           | 103.1              | 103.4              | 99.7           | 100.4              | 101.0              | 98.0     | 99.0     |
| June           | 103.7       | 101.7       | 103.6           | 106.0              | 104.9              | 102.4          | 104.5              | 102.1              | 102.7    | 101.2    |
| September      | 108.0       | 107.4       | 108.0           | 109.6              | 109.4              | 107.7          | 107.2              | 105.5              | 104.1    | 104.8    |
| December       | 105.7       | 105.8       | 100.0           | 107.0              | 107.1              | 104.2          | 103.9              | 104.9              | 102.5    | 102.4    |
| 1930           | 99.6        | 99.4        | 99.0            | 101.2              | 101.1              | 99.1           | 99.7               | 98.2               | 97.4     | 97.4     |
| March          | 102.0       | 100.7       | 101.0           | 104.4              | 105.8              | 100.8          | 101.3              | 101.9              | 100.3    | 100.7    |
| June           | 101.2       | 99.8        | 100.5           | 103.9              | 103.8              | 100.8          | 101.7              | 98.2               | 102.7    | 98.8     |
| September      | 98.3        | 97.9        | 98.1            | 100.1              | 99.4               | 98.3           | 99.4               | 96.9               | 94.9     | 94.8     |
| December       | 92.1        | 94.0        | 92.2            | 92.6               | 91.9               | 91.8           | 91.1               | 91.5               | 87.6     | 88.4     |
| 1931           | 82.0        | 82.6        | 83.3            | 82.5               | 82.1               | 81.2           | 77.4               | 73.7               | 79.8     | 79.0     |
| March          | 85.1        | 86.0        | 85.8            | 85.8               | 85.8               | 85.4           | 81.3               | 83.3               | 81.2     | 81.9     |
| June           | 80.6        | 80.5        | 82.2            | 81.1               | 81.8               | 79.9           | 74.0               | 75.5               | 80.2     | 77.4     |
| September      | 80.6        | 81.7        | 81.8            | 81.6               | 80.1               | 79.1           | 74.6               | 76.8               | 78.7     | 77.1     |
| December       | 76.2        | 78.0        | 77.0            | 75.8               | 75.2               | 74.2           | 70.4               | 74.8               | 75.0     | 75.7     |
| 1932           | 68.3        | 68.8        | 70.1            | 67.2               | 67.4               | 66.9           | 53.3               | 65.2               | 66.4     | 68.0     |
| March          | 70.7        | 70.7        | 71.9            | 70.4               | 70.9               | 68.7           | 65.7               | 68.4               | 69.8     | 71.0     |
| June           | 67.7        | 67.3        | 69.9            | 66.0               | 66.5               | 66.3           | 62.0               | 62.6               | 67.2     | 66.8     |
| September      | 66.7        | 67.3        | 66.6            | 65.4               | 65.1               | 65.8           | 61.0               | 63.7               | 65.1     | 66.3     |
| December       | 64.7        | 66.0        | 66.6            | 62.2               | 64.0               | 63.1           | 60.4               | 62.5               | 64.8     | 66.4     |
| 1933           | 66.4        | 66.5        | 67.5            | 65.8               | 66.6               | 65.3           | 63.1               | 64.3               | 66.3     | 66.7     |
| March          | 59.8        | 59.8        | 61.0            | 58.4               | 58.9               | 58.4           | 55.8               | 58.6               | 60.1     | 62.0     |
| June           | 64.9        | 64.4        | 65.8            | 64.5               | 65.9               | 63.2           | 63.2               | 61.9               | 66.7     | 65.4     |
| September 12   | 71.9        | 71.7        | 72.3            | 71.8               | 72.5               | 71.5           | 69.7               | 70.0               | 70.2     | 71.9     |
| December 19    | 69.2        | 69.2        | 70.7            | 68.1               | 69.2               | 69.1           | 65.4               | 68.6               | 67.3     | 67.9     |
| 1934           | 74.0        | 74.0        | 75.9            | 72.9               | 75.7               | 73.2           | 70.2               | 72.4               | 73.3     | 70.8     |
| March 13       | 72.8        | 72.4        | 75.1            | 71.5               | 73.5               | 72.7           | 69.0               | 70.1               | 70.4     | 69.8     |
| June 19        | 73.4        | 73.4        | 76.0            | 72.8               | 74.7               | 71.9           | 67.3               | 69.8               | 73.2     | 68.6     |
| September 11   | 77.1        | 77.1        | 78.0            | 76.6               | 80.9               | 76.7           | 74.7               | 76.6               | 77.5     | 72.8     |
| December 18    | 74.5        | 73.1        | 75.9            | 72.9               | 76.6               | 74.8           | 71.8               | 75.6               | 76.8     | 73.2     |
| 1935           | 80.4        | 78.9        | 81.3            | 80.6               | 83.4               | 80.4           | 76.8               | 79.4               | 83.8     | 77.4     |
| March 12       | 79.6        | 77.9        | 80.0            | 80.4               | 82.8               | 79.0           | 75.2               | 78.6               | 82.8     | 78.3     |
| June 18        | 81.5        | 79.3        | 81.7            | 82.8               | 86.2               | 81.0           | 77.5               | 79.0               | 87.6     | 79.3     |
| September 10   | 80.1        | 80.0        | 80.9            | 80.1               | 82.6               | 81.1           | 77.3               | 78.8               | 82.3     | 76.2     |
| December 17    | 82.0        | 80.5        | 83.1            | 81.8               | 84.8               | 82.7           | 77.7               | 80.8               | 84.8     | 78.6     |
| 1936           | ---         | ---         | ---             | ---                | ---                | ---            | ---                | ---                | ---      | ---      |
| March 10       | 79.5        | 78.4        | 80.1            | 80.1               | 82.2               | 79.0           | 74.1               | 77.3               | 82.5     | 77.1     |
| June 16        | 83.8        | 82.6        | 84.6            | 85.1               | 87.3               | 82.4           | 78.5               | 78.4               | 90.1     | 80.8     |

<sup>1</sup> Prior to August 1933 prices were collected as of the 15th of each month; thereafter every other Tuesday. Beginning September 1933 data are shown as of the date nearest the 15th of the month.

Source of tables 347 and 348: Bureau of Labor Statistics, Department of Labor.

# No. 349.—RETAIL COSTS OF ALL FOODS, BY COMMODITY GROUPS: INDEX NUMBERS, REVISED SERIES

NOTE.—1923-1926 average=100. Indexes for "all foods" are based on prices of 42 foods prior to January 1, 1935, and of 84 foods since that date. The increases in the number of foods included in each group are as follows: Cereals and bakery products, from 8 to 18; meats, from 11 to 21; dairy products, from 4 to 5; fruits and vegetables, from 12 to 29; beverages and chocolate, from 2 to 4; fats and oils, from 3 to 7; and sugar and sweets, from 1 to 4

| Year and month <sup>1</sup> | All foods | Cereal and bakery products | Meats | Dairy products | Eggs  | Fruits and vegetables |       |        |       | Beverages and chocolate | Fats and oils | Sugar and sweets |
|-----------------------------|-----------|----------------------------|-------|----------------|-------|-----------------------|-------|--------|-------|-------------------------|---------------|------------------|
|                             |           |                            |       |                |       | Total                 | Fresh | Canned | Dried |                         |               |                  |
| 1929.....                   | 104.7     | 98.1                       | 121.1 | 102.9          | 101.2 | 98.4                  | 98.1  | 96.8   | 103.8 | 110.0                   | 93.1          | 74.6             |
| Mar.....                    | 101.4     | 98.2                       | 118.6 | 105.2          | 87.4  | 86.9                  | 84.7  | 97.1   | 101.3 | 110.9                   | 93.8          | 73.5             |
| June.....                   | 103.7     | 97.7                       | 123.3 | 101.4          | 85.7  | 98.2                  | 97.8  | 98.1   | 102.5 | 110.5                   | 93.4          | 72.3             |
| Sept.....                   | 108.0     | 98.6                       | 124.7 | 103.0          | 108.9 | 107.6                 | 108.6 | 96.3   | 107.1 | 110.2                   | 93.4          | 75.9             |
| Dec.....                    | 105.7     | 97.8                       | 117.6 | 100.5          | 128.7 | 103.7                 | 104.1 | 94.6   | 108.9 | 105.3                   | 90.7          | 75.1             |
| 1930.....                   | 99.6      | 95.1                       | 113.6 | 95.1           | 85.4  | 103.4                 | 104.9 | 92.3   | 96.4  | 95.7                    | 86.7          | 70.1             |
| Mar.....                    | 102.0     | 96.7                       | 117.7 | 90.0           | 74.0  | 111.2                 | 113.5 | 94.1   | 102.6 | 97.9                    | 88.1          | 72.6             |
| June.....                   | 101.2     | 96.0                       | 115.5 | 92.5           | 70.7  | 116.7                 | 120.5 | 92.7   | 97.6  | 95.6                    | 86.7          | 69.8             |
| Sept.....                   | 98.3      | 94.2                       | 112.3 | 97.0           | 90.6  | 96.4                  | 96.9  | 92.0   | 95.1  | 93.8                    | 88.0          | 67.1             |
| Dec.....                    | 92.1      | 91.4                       | 106.2 | 91.1           | 86.3  | 82.8                  | 82.4  | 88.2   | 82.1  | 91.9                    | 84.9          | 67.1             |
| 1931.....                   | 82.1      | 83.6                       | 96.4  | 80.8           | 67.2  | 73.3                  | 72.9  | 80.2   | 72.1  | 83.2                    | 70.4          | 64.7             |
| Mar.....                    | 85.1      | 86.7                       | 100.2 | 83.7           | 60.4  | 78.5                  | 78.2  | 84.0   | 76.7  | 87.3                    | 75.2          | 65.9             |
| June.....                   | 80.6      | 83.3                       | 96.6  | 77.1           | 55.2  | 76.1                  | 76.1  | 79.8   | 72.4  | 82.0                    | 68.0          | 62.9             |
| Sept.....                   | 80.6      | 81.0                       | 96.2  | 81.1           | 72.4  | 67.5                  | 66.2  | 78.7   | 70.6  | 81.0                    | 66.6          | 64.5             |
| Dec.....                    | 76.2      | 79.7                       | 85.4  | 76.7           | 80.3  | 62.6                  | 61.3  | 75.6   | 63.1  | 79.4                    | 64.1          | 62.9             |
| 1932.....                   | 68.3      | 75.5                       | 75.5  | 66.7           | 57.9  | 60.4                  | 59.9  | 71.0   | 55.4  | 75.1                    | 52.0          | 58.4             |
| Mar.....                    | 70.7      | 77.2                       | 78.6  | 69.9           | 46.4  | 67.0                  | 67.1  | 75.9   | 57.6  | 76.9                    | 54.3          | 59.7             |
| June.....                   | 67.6      | 70.2                       | 74.2  | 64.0           | 45.3  | 66.6                  | 67.3  | 71.0   | 55.3  | 74.4                    | 48.0          | 55.7             |
| Sept.....                   | 66.7      | 74.3                       | 75.8  | 65.4           | 62.4  | 53.0                  | 51.3  | 71.6   | 54.4  | 74.6                    | 51.3          | 58.2             |
| Dec.....                    | 64.7      | 71.1                       | 60.8  | 65.7           | 80.6  | 41.8                  | 50.7  | 66.8   | 49.5  | 72.8                    | 49.0          | 58.5             |
| 1933.....                   | 66.4      | 77.4                       | 65.7  | 65.2           | 55.3  | 65.8                  | 66.6  | 68.5   | 53.6  | 68.4                    | 48.6          | 61.5             |
| Jan.....                    | 62.6      | 69.5                       | 64.8  | 63.4           | 66.9  | 52.3                  | 61.4  | 66.4   | 48.6  | 71.1                    | 46.9          | 58.3             |
| Feb.....                    | 60.1      | 69.2                       | 63.9  | 60.7           | 46.3  | 52.1                  | 61.3  | 65.5   | 48.0  | 69.5                    | 45.2          | 57.1             |
| Mar.....                    | 59.8      | 69.3                       | 64.2  | 59.8           | 42.7  | 52.1                  | 51.4  | 65.3   | 47.3  | 68.5                    | 45.0          | 57.4             |
| Apr.....                    | 60.1      | 69.8                       | 63.4  | 60.4           | 40.7  | 54.4                  | 54.0  | 65.2   | 48.2  | 68.4                    | 44.7          | 58.1             |
| May.....                    | 61.2      | 71.0                       | 64.1  | 63.7           | 44.0  | 59.3                  | 59.5  | 66.0   | 51.2  | 67.7                    | 48.0          | 60.0             |
| June.....                   | 64.9      | 71.8                       | 65.9  | 64.7           | 43.5  | 67.5                  | 68.9  | 66.7   | 52.5  | 67.3                    | 49.9          | 61.0             |
| July.....                   | 71.0      | 77.8                       | 66.0  | 67.4           | 51.5  | 87.3                  | 92.0  | 67.0   | 54.1  | 67.4                    | 61.4          | 62.8             |
| Aug.....                    | 72.0      | 83.1                       | 67.4  | 67.2           | 53.0  | 84.9                  | 88.9  | 68.8   | 56.7  | 67.7                    | 62.0          | 64.5             |
| Sept.....                   | 71.9      | 85.1                       | 67.7  | 68.2           | 60.0  | 79.0                  | 81.5  | 70.6   | 58.9  | 67.5                    | 51.3          | 65.0             |
| Oct. 10.....                | 71.5      | 87.0                       | 68.9  | 68.6           | 68.7  | 70.1                  | 70.8  | 72.8   | 59.9  | 68.3                    | 50.7          | 65.4             |
| Nov. 21.....                | 70.8      | 86.9                       | 68.8  | 69.1           | 75.0  | 67.0                  | 67.2  | 73.0   | 59.0  | 68.4                    | 50.0          | 64.5             |
| Dec. 19.....                | 69.2      | 86.4                       | 65.0  | 66.2           | 65.7  | 68.4                  | 68.8  | 73.3   | 58.7  | 68.0                    | 48.2          | 63.7             |
| 1934.....                   | 74.1      | 91.0                       | 75.0  | 71.2           | 62.4  | 69.8                  | 69.6  | 80.7   | 61.3  | 71.7                    | 55.4          | 63.8             |
| Jan. 16.....                | 70.5      | 86.9                       | 65.8  | 66.8           | 61.3  | 74.2                  | 75.6  | 75.6   | 58.4  | 68.5                    | 48.6          | 62.3             |
| Feb. 13.....                | 72.5      | 86.8                       | 69.6  | 70.0           | 58.6  | 77.3                  | 78.7  | 79.5   | 59.8  | 69.5                    | 49.6          | 62.2             |
| Mar. 13.....                | 72.8      | 87.4                       | 70.2  | 70.5           | 53.1  | 78.1                  | 79.5  | 80.6   | 60.6  | 70.6                    | 50.5          | 62.4             |
| Apr. 10.....                | 72.1      | 88.1                       | 71.3  | 68.3           | 51.4  | 75.1                  | 75.9  | 81.1   | 61.0  | 71.4                    | 50.9          | 62.5             |
| May 8.....                  | 72.9      | 88.0                       | 74.5  | 68.8           | 50.1  | 75.0                  | 75.8  | 81.1   | 60.6  | 72.1                    | 50.1          | 62.2             |
| June 19.....                | 73.5      | 89.1                       | 75.7  | 70.8           | 62.8  | 72.1                  | 72.4  | 80.5   | 60.9  | 72.0                    | 51.7          | 62.0             |
| July 17.....                | 73.6      | 90.1                       | 77.1  | 70.0           | 55.7  | 68.1                  | 67.7  | 80.4   | 61.2  | 72.2                    | 52.7          | 65.5             |
| Aug. 14.....                | 74.3      | 90.8                       | 77.3  | 72.4           | 63.0  | 66.5                  | 65.8  | 80.4   | 61.4  | 72.3                    | 54.8          | 65.7             |
| Sept. 11.....               | 77.1      | 91.5                       | 84.9  | 73.2           | 70.4  | 65.8                  | 64.8  | 81.6   | 62.2  | 72.7                    | 62.3          | 66.0             |
| Oct. 9.....                 | 75.9      | 91.9                       | 81.4  | 73.1           | 73.9  | 62.0                  | 60.1  | 82.0   | 63.8  | 73.0                    | 64.2          | 65.7             |
| Nov. 20.....                | 75.1      | 92.0                       | 76.7  | 75.3           | 82.1  | 58.0                  | 56.1  | 82.2   | 68.0  | 73.1                    | 66.2          | 64.6             |
| Dec. 18.....                | 74.5      | 92.0                       | 76.6  | 75.4           | 74.7  | 57.8                  | 55.3  | 83.1   | 57.3  | 73.4                    | 68.6          | 63.5             |
| 1935.....                   | 80.4      | 92.9                       | 96.1  | 76.7           | 73.5  | 60.6                  | 58.6  | 82.7   | 61.8  | 70.3                    | 81.5          | 65.0             |
| Jan. 15.....                | 77.5      | 91.9                       | 84.6  | 77.4           | 76.2  | 60.0                  | 58.5  | 83.0   | 62.5  | 73.6                    | 72.9          | 62.5             |
| Feb. 12.....                | 79.7      | 92.0                       | 88.9  | 81.4           | 78.1  | 60.9                  | 58.7  | 84.0   | 62.8  | 73.3                    | 76.7          | 62.4             |
| Mar. 12.....                | 79.6      | 92.0                       | 94.2  | 78.7           | 61.2  | 61.9                  | 59.9  | 84.2   | 62.9  | 71.5                    | 79.6          | 62.5             |
| Apr. 9.....                 | 81.2      | 92.3                       | 95.1  | 80.3           | 60.7  | 66.5                  | 65.1  | 84.4   | 62.7  | 71.6                    | 80.6          | 62.7             |
| May 21.....                 | 81.4      | 92.9                       | 98.0  | 75.6           | 65.9  | 66.0                  | 64.5  | 84.3   | 62.9  | 70.6                    | 80.9          | 64.6             |
| June 18.....                | 81.5      | 92.1                       | 99.1  | 73.9           | 66.3  | 67.3                  | 66.0  | 84.3   | 63.2  | 70.1                    | 81.7          | 65.1             |
| July 16.....                | 80.2      | 92.1                       | 98.1  | 72.7           | 68.8  | 62.6                  | 60.6  | 84.5   | 63.2  | 69.9                    | 82.1          | 66.2             |
| Aug. 13.....                | 79.6      | 92.6                       | 100.6 | 72.7           | 73.4  | 55.3                  | 52.4  | 85.5   | 62.9  | 69.4                    | 85.0          | 66.4             |
| Sept. 10.....               | 80.1      | 92.7                       | 102.6 | 73.3           | 80.3  | 52.9                  | 49.9  | 81.4   | 61.9  | 68.7                    | 87.2          | 66.7             |
| Oct. 8.....                 | 79.9      | 93.4                       | 101.3 | 73.5           | 83.8  | 51.7                  | 48.8  | 79.9   | 60.7  | 67.8                    | 83.5          | 67.0             |
| Nov. 19.....                | 81.5      | 95.0                       | 97.2  | 77.5           | 84.9  | 58.7                  | 56.8  | 80.0   | 59.0  | 67.6                    | 82.3          | 66.5             |
| Dec. 17.....                | 82.0      | 95.4                       | 97.1  | 78.8           | 80.5  | 61.3                  | 59.8  | 79.6   | 58.5  | 67.6                    | 82.3          | 66.5             |
| 1936.....                   | 81.7      | 94.0                       | 97.3  | 79.8           | 73.8  | 62.7                  | 61.5  | 79.4   | 58.2  | 67.6                    | 79.3          | 64.9             |
| Jan. 14.....                | 80.6      | 92.5                       | 94.9  | 80.5           | 70.6  | 62.0                  | 60.8  | 78.9   | 57.9  | 67.4                    | 76.8          | 64.1             |
| Mar. 10.....                | 79.5      | 91.7                       | 93.3  | 79.5           | 66.9  | 61.8                  | 60.5  | 78.5   | 57.9  | 67.8                    | 75.6          | 63.7             |
| Apr. 21.....                | 79.7      | 91.2                       | 94.1  | 77.8           | 57.4  | 66.5                  | 66.8  | 78.3   | 57.7  | 67.5                    | 75.2          | 63.8             |
| May 19.....                 | 79.9      | 90.7                       | 93.2  | 75.2           | 59.6  | 70.1                  | 69.9  | 78.2   | 57.8  | 67.0                    | 74.2          | 64.1             |
| June 16.....                | 83.8      | 90.4                       | 94.0  | 76.5           | 63.0  | 85.2                  | 87.1  | 78.3   | 58.4  | 66.9                    | 73.0          | 64.5             |

<sup>1</sup> Prior to August 1933, prices were collected as of the 15th of the month, thereafter, every other Tuesday. Beginning September 1933, data are shown as of the date nearest the 15th of the month.

Source: Bureau of Labor Statistics, Department of Labor.

# No. 350.—AVERAGE RETAIL PRICES OF PRINCIPAL ARTICLES OF FOOD IN THE UNITED STATES: REVISED SERIES

NOTE.—Prices in cents per pound except for milk (cents per quart), eggs and oranges (cents per dozen), and tomatoes (cents per no. 2 can). Data are averages of prices as reported by retail dealers in 51 large cities. Prices for individual cities are combined with the use of population weights. See also note 1, table 348

| Year or month | Wheat flour | Corn meal | Rice | Bread, white | Sirloin steak | Plate beef | Pork chops | Bacon, sliced | Ham, sliced | Lamb, leg | Chickens, roasting | Butter |
|---------------|-------------|-----------|------|--------------|---------------|------------|------------|---------------|-------------|-----------|--------------------|--------|
| 1929-----     | 5.1         | 5.3       | 9.8  | 8.8          | 52.1          | 21.4       | 37.5       | 43.9          | 56.5        | 40.2      | 41.2               | 55.5   |
| 1930-----     | 4.6         | 5.3       | 9.5  | 8.6          | 48.4          | 19.3       | 36.2       | 42.5          | 54.6        | 35.1      | 36.7               | 48.4   |
| 1931-----     | 3.6         | 4.5       | 8.2  | 7.7          | 41.0          | 14.7       | 29.6       | 36.6          | 47.2        | 29.9      | 32.2               | 35.8   |
| Mar. 15..     | 3.8         | 4.8       | 8.6  | 7.9          | 41.8          | 15.9       | 29.9       | 38.7          | 49.3        | 31.2      | 33.4               | 37.5   |
| June 15..     | 3.6         | 4.4       | 8.2  | 7.7          | 40.1          | 13.9       | 33.3       | 37.1          | 39.1        | 30.9      | 32.3               | 31.0   |
| Sept. 15..    | 3.3         | 4.4       | 8.0  | 7.5          | 41.2          | 14.0       | 33.0       | 36.3          | 47.0        | 29.1      | 32.1               | 37.6   |
| Dec. 15..     | 3.3         | 4.0       | 7.2  | 7.4          | 38.1          | 13.8       | 21.8       | 30.4          | 41.2        | 24.8      | 29.4               | 37.2   |
| 1932-----     | 3.2         | 3.6       | 6.6  | 7.0          | 34.4          | 11.8       | 21.5       | 24.2          | 35.9        | 23.8      | 25.6               | 27.8   |
| Mar. 15..     | 3.2         | 3.8       | 7.1  | 7.2          | 34.2          | 12.1       | 22.0       | 25.9          | 37.6        | 25.4      | 28.4               | 29.8   |
| June 15..     | 3.2         | 3.7       | 6.5  | 7.1          | 33.9          | 11.3       | 19.9       | 23.3          | 35.7        | 24.4      | 25.2               | 24.3   |
| Sept. 15..    | 3.1         | 3.6       | 6.4  | 6.9          | 35.5          | 11.8       | 24.3       | 23.6          | 35.8        | 23.6      | 24.7               | 27.3   |
| Dec. 15..     | 2.9         | 3.3       | 6.0  | 6.7          | 31.0          | 11.5       | 17.6       | 21.7          | 31.2        | 21.4      | 22.1               | 30.8   |
| 1933-----     | 3.9         | 3.5       | 6.2  | 7.1          | 29.6          | 10.5       | 19.8       | 22.6          | 31.3        | 21.8      | 21.8               | 27.8   |
| Mar. 15..     | 2.9         | 3.2       | 5.6  | 6.5          | 28.3          | 10.6       | 19.2       | 21.2          | 29.8        | 21.9      | 22.2               | 25.0   |
| June 15..     | 3.4         | 3.4       | 5.9  | 6.6          | 30.2          | 10.6       | 18.0       | 22.7          | 33.5        | 22.8      | 22.4               | 28.4   |
| Sept. 12..    | 4.9         | 3.8       | 6.5  | 7.7          | 30.8          | 10.4       | 22.2       | 23.4          | 32.7        | 22.1      | 21.4               | 28.3   |
| Dec. 19..     | 4.7         | 3.9       | 7.0  | 7.9          | 28.3          | 10.2       | 19.9       | 23.4          | 32.9        | 20.8      | 20.6               | 24.3   |
| 1934-----     | 4.9         | 4.4       | 8.0  | 8.3          | 32.3          | 11.0       | 25.5       | 29.1          | 37.4        | 25.2      | 25.9               | 31.5   |
| Mar. 13..     | 4.8         | 4.2       | 7.8  | 7.9          | 29.5          | 10.3       | 25.3       | 25.6          | 33.6        | 24.7      | 25.4               | 32.5   |
| June 19..     | 4.9         | 4.3       | 8.1  | 8.1          | 33.2          | 10.8       | 25.5       | 27.7          | 37.8        | 27.6      | 26.3               | 30.9   |
| Sept. 11..    | 5.1         | 4.4       | 8.3  | 8.3          | 36.3          | 12.5       | 32.9       | 34.8          | 43.3        | 26.0      | 27.4               | 33.2   |
| Dec. 18..     | 5.0         | 4.7       | 8.2  | 8.4          | 32.2          | 12.0       | 24.6       | 33.5          | 39.5        | 23.8      | 25.8               | 35.8   |
| 1935-----     | 5.1         | 5.0       | 8.4  | 8.4          | 40.1          | 16.7       | 35.4       | 41.3          | 46.6        | 27.7      | 30.3               | 36.0   |
| Mar. 12..     | 5.0         | 5.0       | 8.3  | 8.3          | 40.4          | 16.6       | 34.3       | 37.8          | 43.0        | 28.0      | 29.6               | 38.3   |
| June 18..     | 4.9         | 5.1       | 8.3  | 8.3          | 42.4          | 17.8       | 37.1       | 41.0          | 45.2        | 28.0      | 31.6               | 31.4   |
| Sept. 10..    | 5.1         | 5.1       | 8.4  | 8.3          | 41.8          | 17.3       | 39.7       | 46.8          | 53.3        | 28.9      | 31.3               | 32.8   |
| Dec. 17..     | 5.4         | 4.9       | 8.6  | 8.6          | 38.0          | 16.9       | 34.1       | 44.4          | 49.6        | 28.5      | 31.2               | 39.9   |
| 1936-----     |             |           |      |              |               |            |            |               |             |           |                    |        |
| Mar. 10..     | 4.8         | 4.9       | 8.5  | 8.3          | 36.3          | 15.9       | 32.1       | 41.2          | 47.2        | 27.7      | 32.6               | 40.1   |
| June 16..     | 4.5         | 4.9       | 8.6  | 8.1          | 37.0          | 14.8       | 34.4       | 40.5          | 48.1        | 31.3      | 31.8               | 35.8   |

  

| Year or month | Cheese | Milk, fresh (dellivered) | Eggs | Oranges | Cabbage | Onions | Potatoes | Tomatoes, canned | Prunes, dried | Coffee | Lard | Sugar |
|---------------|--------|--------------------------|------|---------|---------|--------|----------|------------------|---------------|--------|------|-------|
| 1929-----     | 39.5   | 14.4                     | 52.7 | 44.7    | 5.3     | 6.7    | 3.2      | 12.8             | 15.3          | 47.9   | 18.1 | 6.4   |
| 1930-----     | 36.6   | 14.1                     | 44.5 | 57.1    | 5.6     | 5.0    | 3.6      | 12.1             | 16.1          | 39.5   | 16.8 | 6.1   |
| 1931-----     | 29.7   | 12.6                     | 35.0 | 35.0    | 3.8     | 4.3    | 2.4      | 10.1             | 11.7          | 32.8   | 13.1 | 5.6   |
| Mar. 15..     | 31.7   | 12.9                     | 31.4 | 32.7    | 4.3     | 3.4    | 2.7      | 10.6             | 12.3          | 35.4   | 13.9 | 5.7   |
| June 15..     | 23.4   | 12.5                     | 28.7 | 37.3    | 4.1     | 4.8    | 2.5      | 10.1             | 11.8          | 32.3   | 12.8 | 5.4   |
| Sept. 15..    | 28.4   | 12.5                     | 37.7 | 36.2    | 3.6     | 4.3    | 2.0      | 9.8              | 11.5          | 31.4   | 12.5 | 5.6   |
| Dec. 15..     | 27.8   | 11.4                     | 41.8 | 31.2    | 3.4     | 5.1    | 1.7      | 9.5              | 10.4          | 30.7   | 11.1 | 5.4   |
| 1932-----     | 24.4   | 10.7                     | 30.2 | 30.2    | 4.1     | 5.0    | 1.7      | 9.3              | 9.2           | 29.4   | 8.7  | 5.0   |
| Mar. 15..     | 25.2   | 11.0                     | 24.2 | 29.8    | 5.7     | 8.5    | 1.7      | 9.6              | 9.6           | 29.9   | 8.9  | 5.2   |
| June 15..     | 23.7   | 10.6                     | 23.6 | 32.6    | 5.7     | 4.4    | 2.0      | 9.6              | 9.1           | 28.9   | 7.6  | 4.8   |
| Sept. 15..    | 24.0   | 10.6                     | 32.5 | 29.9    | 2.6     | 2.9    | 1.5      | 9.1              | 8.9           | 29.4   | 9.0  | 5.0   |
| Dec. 15..     | 23.7   | 10.1                     | 42.0 | 28.2    | 2.5     | 2.6    | 1.5      | 8.9              | 8.8           | 28.9   | 8.0  | 5.0   |
| 1933-----     | 23.9   | 10.4                     | 28.8 | 27.3    | 4.0     | 3.5    | 2.3      | 9.1              | 9.5           | 25.4   | 8.9  | 5.3   |
| Mar. 15..     | 22.2   | 9.6                      | 22.3 | 24.5    | 3.6     | 2.8    | 1.6      | 8.5              | 8.6           | 26.7   | 7.8  | 5.0   |
| June 15..     | 24.2   | 10.1                     | 22.7 | 27.6    | 4.7     | 4.5    | 2.3      | 8.9              | 9.0           | 26.3   | 9.5  | 5.3   |
| Sept. 12..    | 24.9   | 11.0                     | 31.2 | 28.9    | 3.8     | 3.8    | 3.1      | 9.4              | 10.0          | 25.9   | 9.5  | 5.5   |
| Dec. 19..     | 23.6   | 11.2                     | 34.2 | 26.2    | 4.4     | 3.8    | 2.3      | 8.9              | 10.6          | 25.6   | 9.2  | 5.5   |
| 1934-----     | 25.0   | 11.2                     | 32.5 | 34.1    | 3.6     | 4.4    | 2.3      | 10.5             | 11.4          | 29.9   | 11.7 | 5.5   |
| Mar. 13..     | 25.2   | 10.9                     | 27.7 | 27.0    | 4.0     | 4.6    | 3.1      | 10.7             | 11.3          | 26.5   | 10.2 | 5.4   |
| June 19..     | 25.0   | 11.2                     | 27.5 | 38.2    | 3.4     | 5.0    | 2.4      | 10.6             | 11.6          | 27.0   | 10.2 | 5.4   |
| Sept. 11..    | 25.7   | 11.4                     | 30.6 | 36.8    | 3.3     | 4.2    | 2.0      | 10.5             | 11.7          | 27.2   | 14.4 | 5.7   |
| Dec. 18..     | 25.5   | 11.5                     | 38.9 | 27.8    | 2.8     | 4.0    | 1.7      | 10.4             | 11.5          | 27.5   | 15.5 | 5.5   |
| 1935-----     | 26.7   | 11.8                     | 38.3 | 31.5    | 4.1     | 5.1    | 1.9      | 10.1             | 11.1          | 25.6   | 19.5 | 6.7   |
| Mar. 12..     | 27.3   | 11.9                     | 31.9 | 28.4    | 6.2     | 6.6    | 1.7      | 10.5             | 11.6          | 26.9   | 18.6 | 5.4   |
| June 18..     | 26.5   | 11.8                     | 34.6 | 31.4    | 3.6     | 6.4    | 2.1      | 10.3             | 11.5          | 25.3   | 18.9 | 6.7   |
| Sept. 10..    | 29.7   | 11.5                     | 41.8 | 34.3    | 2.7     | 3.7    | 1.7      | 9.7              | 11.0          | 24.7   | 22.2 | 5.8   |
| Dec. 17..     | 27.6   | 11.6                     | 41.9 | 31.1    | 3.3     | 4.1    | 2.3      | 9.3              | 9.9           | 24.3   | 19.3 | 5.8   |
| 1936-----     |        |                          |      |         |         |        |          |                  |               |        |      |       |
| Mar. 10..     | 27.1   | 11.8                     | 34.8 | 30.9    | 3.5     | 4.1    | 2.4      | 9.3              | 9.7           | 24.4   | 16.2 | 5.5   |
| June 16..     | 26.7   | 11.8                     | 32.8 | 34.7    | 5.4     | 4.0    | 4.9      | 9.2              | 9.5           | 24.0   | 15.5 | 5.6   |

Source: Bureau of Labor Statistics, Department of Labor.

## No. 351.—ANNUAL AVERAGE UNIT VALUES OF IMPORTANT DOMESTIC ARTICLES EXPORTED FROM THE UNITED STATES

NOTE.—The values of the goods are required by law to represent their market value at the port of exportation. The headnote to table 352 also applies to this table

[illegible]

<sup>1</sup> Barrels of 280 pounds.

<sup>2</sup> Revised to exclude linters beginning 1915.

<sup>3</sup> Softwoods and hardwoods not reported separately prior to 1919.

<sup>4</sup> Quantity reported in gallons; converted to pounds at 7½ pounds to a gallon.

Source: Bureau of Foreign and Domestic Commerce.

## No. 352.—ANNUAL AVERAGE UNIT VALUES OF IMPORTANT ARTICLES IMPORTED INTO THE UNITED STATES

NOTE.—The values are required by law to represent the values of the goods in the foreign markets whence exported to the United States. "Ton" signifies long ton of 2,240 pounds. The averages are obtained by dividing the total value of imports of the specified article by the total quantity, and as in some commodities there may be considerable variations in price between different grades, methods of packing, etc., and as the proportions of the grades, etc., may vary from year to year, the averages in such cases may show the actual price movements only roughly.

| Year ended— | Cheese,<br>per<br>pound | Fish, cured,<br>per barrel<br>(200 pounds) |               | Hides and<br>skins, per<br>pound |        | Rice,<br>per<br>pound | Wheat,<br>per<br>bushel | Copra,<br>per<br>pound | Flax-<br>seed,<br>per<br>bushel | Cocoa,<br>per<br>pound | Coffee,<br>per<br>pound | Tea,<br>per<br>pound | Cane<br>sugar,<br>per<br>pound | Rub-<br>ber,<br>crude,<br>per<br>pound | Shel-<br>lac, per<br>pound | Tobacco, leaf,<br>per pound |               | Cotton,<br>unman-<br>ufactured,<br>per<br>pound | Jute<br>and<br>jute<br>butts,<br>per ton | Flax,<br>per<br>ton |
|-------------|-------------------------|--------------------------------------------|---------------|----------------------------------|--------|-----------------------|-------------------------|------------------------|---------------------------------|------------------------|-------------------------|----------------------|--------------------------------|----------------------------------------|----------------------------|-----------------------------|---------------|-------------------------------------------------|------------------------------------------|---------------------|
|             |                         | Herring                                    | Mack-<br>arel | Goat                             | Oattle |                       |                         |                        |                                 |                        |                         |                      |                                |                                        |                            | Cigar<br>wrap-<br>pers      | Other<br>leaf |                                                 |                                          |                     |
| June 30—    | Cents                   | Dollars                                    | Dollars       | Cents                            | Cents  | Cents                 | Dollars                 | Cents                  | Dollars                         | Cents                  | Cents                   | Cents                | Cents                          | Cents                                  | Cents                      | Dollars                     | Cents         | Cents                                           | Dollars                                  | Dollars             |
| 1908.....   | 17.2                    | 6.78                                       | 13.74         | 27.2                             | 12.2   | 2.9                   | .97                     | 2.4                    | 1.28                            | 17.2                   | 7.6                     | 17.3                 | 2.87                           | 58.8                                   | 31.0                       | 1.06                        | 63.41         | 19.9                                            | 50.49                                    | 263.93              |
| 1909.....   | 16.5                    | 6.80                                       | 10.47         | 25.0                             | 12.4   | 2.7                   | .89                     | 2.8                    | 1.40                            | 11.4                   | 7.5                     | 16.2                 | 2.80                           | 60.8                                   | 20.3                       | .95                         | 55.58         | 15.7                                            | 46.06                                    | 257.57              |
| 1910.....   | 17.3                    | 6.96                                       | 10.43         | 26.6                             | 14.7   | 2.6                   | .92                     | 3.0                    | 1.71                            | 10.5                   | 7.9                     | 16.0                 | 2.59                           | 100.0                                  | 13.2                       | .98                         | 52.90         | 18.4                                            | 54.71                                    | 277.10              |
| 1911.....   | 17.4                    | 7.24                                       | 9.50          | 25.0                             | 14.4   | 2.8                   | .94                     | 4.1                    | 2.04                            | 10.5                   | 10.3                    | 17.2                 | 2.45                           | 105.8                                  | 14.9                       | 1.08                        | 53.62         | 21.8                                            | 72.33                                    | 342.47              |
| 1912.....   | 18.9                    | 7.79                                       | 12.19         | 24.4                             | 15.3   | 3.4                   | .82                     | 4.4                    | 1.90                            | 10.9                   | 13.3                    | 18.0                 | 2.81                           | 84.4                                   | 12.2                       | 1.25                        | 51.17         | 18.4                                            | 71.12                                    | 346.65              |
| 1913.....   | 18.6                    | 8.24                                       | 10.07         | 25.7                             | 17.3   | 3.7                   | .70                     | 4.5                    | 1.54                            | 12.4                   | 13.8                    | 18.4                 | 2.18                           | 79.5                                   | 13.9                       | 1.29                        | 45.30         | 18.9                                            | 74.01                                    | 318.01              |
| 1914.....   | 17.3                    | 7.21                                       | 10.98         | 26.2                             | 18.6   | 3.2                   | .89                     | 5.3                    | 1.22                            | 11.8                   | 11.1                    | 18.4                 | 2.00                           | 54.0                                   | 16.1                       | 1.28                        | 50.41         | 15.8                                            | 105.38                                   | 290.37              |
| 1915.....   | 18.7                    | 6.57                                       | 12.27         | 24.3                             | 18.3   | 2.4                   | 1.10                    | 3.8                    | 1.25                            | 11.9                   | 9.5                     | 18.1                 | 3.21                           | 48.3                                   | 12.5                       | 1.28                        | 46.39         | 12.5                                            | 56.26                                    | 399.60              |
| 1916.....   | 23.5                    | 7.86                                       | 13.65         | 27.2                             | 20.3   | 2.4                   | 1.02                    | 4.1                    | 1.38                            | 14.4                   | 9.6                     | 18.7                 | 3.70                           | 57.9                                   | 12.8                       | 1.43                        | 40.37         | 17.2                                            | 73.07                                    | 505.59              |
| 1917.....   | 30.8                    | 9.44                                       | 16.14         | 52.5                             | 25.9   | 2.8                   | 1.74                    | 5.1                    | 2.03                            | 11.8                   | 10.1                    | 18.6                 | 4.33                           | 56.8                                   | 23.4                       | 1.84                        | 45.67         | 27.5                                            | 87.45                                    | 535.01              |
| 1918.....   | 41.6                    | 10.44                                      | 20.74         | 47.4                             | 25.3   | 3.5                   | 2.02                    | 5.5                    | 2.58                            | 10.3                   | 9.0                     | 20.4                 | 4.82                           | 52.1                                   | 41.5                       | 1.14                        | 50.48         | 34.9                                            | 92.11                                    | 1,037.72            |
| Dec. 31—    |                         |                                            |               |                                  |        |                       |                         |                        |                                 |                        |                         |                      |                                |                                        |                            |                             |               |                                                 |                                          |                     |
| 1919.....   | 35.9                    | 13.65                                      | 24.99         | 71.5                             | 30.8   | 6.9                   | 1.63                    | 6.4                    | 3.16                            | 14.8                   | 19.5                    | 24.9                 | 5.60                           | 40.3                                   | 48.6                       | 1.40                        | 82.61         | 41.0                                            | 134.51                                   | 904.21              |
| 1920.....   | 35.4                    | 12.49                                      | 18.81         | 110.5                            | 31.0   | 10.3                  | 2.10                    | 6.6                    | 3.08                            | 15.8                   | 19.5                    | 27.0                 | 12.56                          | 42.9                                   | 80.8                       | 1.80                        | 88.23         | 46.2                                            | 100.93                                   | 566.77              |
| 1921.....   | 32.3                    | 11.05                                      | 15.32         | 87.8                             | 12.9   | 3.4                   | 1.64                    | 3.9                    | 1.66                            | 7.6                    | 10.6                    | 18.6                 | 3.94                           | 17.8                                   | 48.9                       | 2.00                        | 91.71         | 23.7                                            | 98.08                                    | 566.91              |
| 1922.....   | 31.4                    | 10.18                                      | 17.34         | 40.5                             | 14.5   | 3.4                   | 1.15                    | 3.7                    | 2.09                            | 9.3                    | 12.9                    | 24.5                 | 2.59                           | 15.1                                   | 59.3                       | 2.04                        | 74.39         | 25.6                                            | 107.38                                   | 575.03              |
| 1923.....   | 32.4                    | 9.95                                       | 15.91         | 43.9                             | 16.0   | 3.3                   | .99                     | 4.0                    | 2.01                            | 8.2                    | 13.5                    | 28.2                 | 4.98                           | 26.7                                   | 59.7                       | 2.35                        | 80.18         | 26.4                                            | 128.33                                   | 511.09              |
| 1924.....   | 29.2                    | 12.09                                      | 17.37         | 39.3                             | 13.1   | 3.9                   | 1.00                    | 4.4                    | 1.81                            | 7.8                    | 17.5                    | 29.3                 | 4.39                           | 23.7                                   | 53.5                       | 2.56                        | 97.87         | 30.3                                            | 114.02                                   | 515.19              |
| 1925.....   | 27.8                    | 13.30                                      | 15.60         | 40.7                             | 16.0   | 4.3                   | 1.39                    | 5.0                    | 2.40                            | 10.0                   | 22.3                    | 31.2                 | 2.76                           | 48.4                                   | 51.0                       | 2.34                        | 80.27         | 33.7                                            | 190.69                                   | 680.59              |
| 1926.....   | 26.9                    | 12.09                                      | 12.05         | 44.6                             | 14.7   | 4.5                   | 1.39                    | 5.1                    | 1.84                            | 10.0                   | 21.6                    | 32.7                 | 2.47                           | 54.6                                   | 38.6                       | 2.25                        | 75.88         | 25.5                                            | 215.06                                   | 478.07              |
| 1927.....   | 30.7                    | 12.69                                      | 13.10         | 43.6                             | 17.4   | 4.6                   | 1.81                    | 4.6                    | 1.74                            | 13.4                   | 18.4                    | 31.6                 | 3.06                           | 35.6                                   | 41.4                       | 2.15                        | 64.90         | 22.2                                            | 131.52                                   | 479.08              |
| 1928.....   | 30.3                    | 13.15                                      | 13.96         | 46.0                             | 23.1   | 4.0                   | 1.17                    | 4.5                    | 1.78                            | 12.4                   | 21.3                    | 30.3                 | 2.68                           | 25.0                                   | 42.4                       | 2.06                        | 62.02         | 24.9                                            | 129.45                                   | 698.47              |
| 1929.....   | 29.2                    | 12.54                                      | 15.45         | 47.4                             | 16.0   | 4.1                   | 1.11                    | 4.2                    | 1.92                            | 9.8                    | 20.4                    | 28.9                 | 2.14                           | 19.1                                   | 38.4                       | 1.84                        | 65.37         | 23.9                                            | 128.35                                   | 579.24              |
| 1930.....   | 26.7                    | 14.13                                      | 12.40         | 40.7                             | 13.0   | 3.6                   | .98                     | 3.7                    | 2.11                            | 8.4                    | 13.1                    | 26.6                 | 1.85                           | 12.9                                   | 27.3                       | 1.60                        | 52.99         | 19.7                                            | 107.76                                   | 429.26              |
| 1931.....   | 23.8                    | 12.39                                      | 9.30          | 31.6                             | 8.4    | 2.9                   | .64                     | 2.4                    | .98                             | 5.6                    | 10.0                    | 21.6                 | 1.77                           | 6.6                                    | 16.3                       | 1.47                        | 45.92         | 9.9                                             | 69.71                                    | 222.45              |
| 1932.....   | 22.5                    | 9.32                                       | 6.66          | 20.0                             | 5.6    | 2.6                   | .63                     | 1.8                    | .65                             | 4.1                    | 9.1                     | 13.1                 | 1.63                           | 3.5                                    | 13.3                       | 1.33                        | 39.22         | 9.9                                             | 64.19                                    | 216.50              |
| 1933.....   | 21.9                    | 8.94                                       | 8.11          | 20.1                             | 7.8    | 2.8                   | .66                     | 1.4                    | .98                             | 4.0                    | 7.8                     | 14.2                 | 1.87                           | 4.9                                    | 9.9                        | 1.82                        | 34.11         | 10.6                                            | 56.27                                    | 276.17              |
| 1934.....   | 22.4                    | 10.02                                      | 9.32          | 26.4                             | 7.9    | 2.9                   | .78                     | 1.2                    | 1.06                            | 4.4                    | 8.7                     | 21.3                 | 1.96                           | 9.8                                    | 17.7                       | 2.00                        | 39.32         | 13.4                                            | 62.95                                    | 374.08              |
| 1935.....   | 22.9                    | 10.66                                      | 10.56         | 25.6                             | 8.6    | 2.7                   | .78                     | 2.1                    | .89                             | 4.4                    | 7.8                     | 19.9                 | 2.26                           | 11.4                                   | 18.6                       | 2.18                        | 36.65         | 14.0                                            | 72.82                                    | 490.07              |

| Year ended— | Hemp,<br>per ton | Manila,<br>per ton | Sisal,<br>per ton | Jute<br>bur-<br>laps, per<br>pound | Wool, per pound |               |              | Silk,<br>raw,<br>per<br>pound | Pulp-<br>wood,<br>per<br>cord | Boards,<br>planks,<br>deals,<br>per M<br>feet <sup>1</sup> | Wood<br>pulp,<br>per ton | News-<br>print<br>paper,<br>per<br>pound | Bitumi-<br>nous<br>coal,<br>per ton | Petro-<br>leum,<br>crude,<br>per<br>gallon | Bar<br>iron,<br>per<br>pound | Tin<br>plates,<br>terne-<br>plates,<br>per<br>pound | Copper,<br>pigs,<br>ingots,<br>bars,<br>per<br>pound <sup>2</sup> | Tin,<br>bars,<br>blocks,<br>pigs,<br>per<br>pound | Sodi-<br>um<br>nitrate,<br>per ton |
|-------------|------------------|--------------------|-------------------|------------------------------------|-----------------|---------------|--------------|-------------------------------|-------------------------------|------------------------------------------------------------|--------------------------|------------------------------------------|-------------------------------------|--------------------------------------------|------------------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------|------------------------------------|
|             |                  |                    |                   |                                    | Carpet          | Cloth-<br>ing | Comb-<br>ing |                               |                               |                                                            |                          |                                          |                                     |                                            |                              |                                                     |                                                                   |                                                   |                                    |
| June 30—    | Dollars          | Dollars            | Dollars           | Cents                              | Cents           | Cents         | Cents        | Dollars                       | Dollars                       | Dollars                                                    | Dollars                  | Cents                                    | Dollars                             | Cents                                      | Cents                        | Cents                                               | Cents                                                             | Cents                                             | Dollars                            |
| 1908-----   | 174.92           | 171.05             | 135.08            | 7.4                                | 15              | 22            | 27           | 4.13                          | 5.40                          | 19.23                                                      | 30.79                    | 2.59                                     | 2.59                                | 2.0                                        | 3.0                          | 16.8                                                | 32.72                                                             | 38.01                                             |                                    |
| 1909-----   | 153.45           | 115.60             | 111.71            | 5.9                                | 11              | 21            | 21           | 3.38                          | 5.96                          | 18.85                                                      | 31.47                    | 2.4                                      | 2.85                                | 1.8                                        | 2.7                          | 13.3                                                | 28.54                                                             | 35.80                                             |                                    |
| 1910-----   | 161.89           | 112.78             | 114.44            | 5.0                                | 13              | 24            | 25           | 3.21                          | 6.39                          | 18.37                                                      | 31.11                    | 2.1                                      | 2.75                                | 1.8                                        | 2.8                          | 12.5                                                | 30.52                                                             | 30.65                                             |                                    |
| 1911-----   | 177.78           | 116.04             | 102.72            | 5.3                                | 13              | 23            | 26           | 3.25                          | 6.40                          | 18.51                                                      | 28.42                    | 2.2                                      | 2.83                                | 2.0                                        | 3.2                          | 11.9                                                | 36.67                                                             | 31.29                                             |                                    |
| 1912-----   | 219.75           | 116.74             | 103.67            | 6.6                                | 13              | 21            | 24           | 3.11                          | 6.47                          | 17.46                                                      | 29.78                    | 2.1                                      | 2.85                                | 1.9                                        | 2.0                          | 12.7                                                | 41.56                                                             | 32.03                                             |                                    |
| 1913-----   | 193.67           | 171.08             | 115.71            | 9.0                                | 14              | 23            | 25           | 3.15                          | 6.71                          | 17.38                                                      | 32.14                    | 2.0                                      | 2.77                                | 1.5                                        | 2.0                          | 15.3                                                | 46.30                                                             | 35.17                                             |                                    |
| 1914-----   | 177.34           | 196.82             | 119.98            | 8.6                                | 17              | 25            | 26           | 3.42                          | 6.75                          | 19.13                                                      | 33.49                    | 2.0                                      | 2.71                                | 1.5                                        | 2.0                          | 14.4                                                | 39.35                                                             | 31.82                                             |                                    |
| 1915-----   | 217.73           | 180.12             | 110.74            | 7.0                                | 17              | 23            | 25           | 3.09                          | 6.67                          | 18.99                                                      | 33.82                    | 2.0                                      | 2.90                                | 1.4                                        | 1.9                          | 13.4                                                | 32.44                                                             | 28.34                                             |                                    |
| 1916-----   | 252.45           | 178.30             | 112.87            | 9.0                                | 22              | 28            | 29           | 3.61                          | 6.51                          | 18.98                                                      | 33.27                    | 1.9                                      | 2.99                                | 1.4                                        | 2.8                          | 7.9                                                 | 19.5                                                              | 35.34                                             | 29.98                              |
| 1917-----   | 258.17           | 225.03             | 180.82            | 10.8                               | 29              | 36            | 39           | 4.61                          | 6.78                          | 20.86                                                      | 60.71                    | 2.4                                      | 3.23                                | 1.4                                        | 4.1                          | 10.8                                                | 26.1                                                              | 39.97                                             | 35.06                              |
| 1918-----   | 403.40           | 352.99             | 343.18            | 13.3                               | 40              | 54            | 62           | 5.25                          | 9.46                          | 25.49                                                      | 62.66                    | 2.8                                      | 4.42                                | 1.3                                        | 4.8                          | 8.4                                                 | 24.5                                                              | 54.60                                             | 43.64                              |
| Dec. 31—    |                  |                    |                   |                                    |                 |               |              |                               |                               |                                                            |                          |                                          |                                     |                                            |                              |                                                     |                                                                   |                                                   |                                    |
| 1919-----   | 561.59           | 230.95             | 273.65            | 14.8                               | 38              | 51            | 59           | 7.35                          | 9.99                          | 32.24                                                      | 65.24                    | 3.5                                      | 5.48                                | 1.2                                        | 5.1                          | 12.4                                                | 20.5                                                              | 66.73                                             | 48.00                              |
| 1920-----   | 411.75           | 304.09             | 185.52            | 15.6                               | 32              | 51            | 58           | 9.48                          | 13.62                         | 42.31                                                      | 110.50                   | 4.7                                      | 6.06                                | 1.3                                        | 6.1                          | 14.6                                                | 18.6                                                              | 53.54                                             | 47.75                              |
| 1921-----   | 255.56           | 184.71             | 118.00            | 8.7                                | 12              | 22            | 20           | 5.71                          | 14.23                         | 34.67                                                      | 63.30                    | 5.0                                      | 6.56                                | 1.3                                        | 4.7                          | 12.1                                                | 12.6                                                              | 30.71                                             | 48.71                              |
| 1922-----   | 232.40           | 124.89             | 103.93            | 9.4                                | 17              | 25            | 29           | 7.21                          | 10.53                         | 29.54                                                      | 56.31                    | 3.5                                      | 5.92                                | 1.3                                        | 2.8                          | 5.1                                                 | 12.5                                                              | 30.26                                             | 48.21                              |
| 1923-----   | 288.61           | 130.32             | 109.19            | 11.2                               | 21              | 37            | 38           | 7.92                          | 9.95                          | 31.75                                                      | 60.52                    | 3.7                                      | 6.03                                | 1.6                                        | 2.6                          | 5.2                                                 | 14.3                                                              | 39.66                                             | 47.05                              |
| 1924-----   | 345.50           | 175.54             | 142.98            | 10.3                               | 24              | 46            | 47           | 6.39                          | 10.24                         | 30.10                                                      | 55.71                    | 3.7                                      | 5.73                                | 2.3                                        | 2.7                          | 6.8                                                 | 12.6                                                              | 47.32                                             | 47.81                              |
| 1925-----   | 468.87           | 290.51             | 170.79            | 13.6                               | 30              | 46            | 53           | 6.21                          | 10.20                         | 30.33                                                      | 55.09                    | 3.6                                      | 4.90                                | 2.9                                        | 2.0                          | 12.6                                                | 12.9                                                              | 55.40                                             | 47.26                              |
| 1926-----   | 373.73           | 263.92             | 182.86            | 13.7                               | 26              | 35            | 39           | 5.91                          | 10.25                         | 28.79                                                      | 59.01                    | 3.3                                      | 4.85                                | 3.1                                        | 2.3                          | 6.1                                                 | 12.6                                                              | 60.63                                             | 46.79                              |
| 1927-----   | 309.08           | 255.49             | 153.32            | 11.8                               | 26              | 34            | 37           | 5.27                          | 10.32                         | 27.82                                                      | 57.37                    | 3.8                                      | 4.98                                | 3.2                                        | 2.0                          | 8.0                                                 | 11.8                                                              | 63.30                                             | 40.24                              |
| 1928-----   | 341.41           | 202.65             | 146.10            | 12.9                               | 25              | 44            | 44           | 4.87                          | 10.45                         | 26.98                                                      | 53.27                    | 3.2                                      | 4.91                                | 2.7                                        | 2.9                          | 7.4                                                 | 12.4                                                              | 49.80                                             | 35.81                              |
| 1929-----   | 290.74           | 186.95             | 156.58            | 12.0                               | 27              | 38            | 38           | 4.91                          | 10.81                         | 27.52                                                      | 52.75                    | 3.0                                      | 4.88                                | 2.4                                        | 3.0                          | 11.2                                                | 16.1                                                              | 47.06                                             | 37.52                              |
| 1930-----   | 259.95           | 133.08             | 138.50            | 9.1                                | 20              | 26            | 25           | 3.57                          | 10.76                         | 23.84                                                      | 49.63                    | 2.9                                      | 5.34                                | 2.5                                        | 3.3                          | 11.5                                                | 13.2                                                              | 33.31                                             | 37.71                              |
| 1931-----   | 145.17           | 95.60              | 83.44             | 6.7                                | 12              | 24            | 20           | 2.28                          | 10.97                         | 20.86                                                      | 42.72                    | 2.7                                      | 5.52                                | 2.0                                        | 2.5                          | 9.7                                                 | 8.5                                                               | 24.82                                             | 38.34                              |
| 1932-----   | 148.38           | 62.91              | 50.10             | 5.0                                | 9               | 14            | 15           | 1.54                          | 8.61                          | 19.29                                                      | 35.45                    | 2.4                                      | 5.34                                | 1.6                                        | 2.3                          | 2.9                                                 | 5.7                                                               | 21.12                                             | 29.19                              |
| 1933-----   | 211.00           | 56.99              | 56.89             | 6.1                                | 10              | 19            | 18           | 1.52                          | 7.41                          | 22.03                                                      | 33.09                    | 1.9                                      | 4.63                                | 1.3                                        | 2.8                          | 6.9                                                 | 6.2                                                               | 38.36                                             | 19.07                              |
| 1934-----   | 254.15           | 66.31              | 70.91             | 7.4                                | 13              | 24            | 23           | 1.27                          | 7.54                          | 25.39                                                      | 38.34                    | 1.7                                      | 4.52                                | 1.7                                        | 3.0                          | 11.3                                                | 7.0                                                               | 50.02                                             | 19.32                              |
| 1935-----   | 285.54           | 80.52              | 71.03             | 7.0                                | 14              | 23            | 21           | 1.42                          | 7.43                          | 24.54                                                      | 36.59                    | 1.7                                      | 4.07                                | 1.7                                        | 2.0                          | 11.7                                                | 6.9                                                               | 48.50                                             | 20.32                              |

<sup>1</sup> Revised to exclude cabinet woods beginning 1919.<sup>2</sup> Unrefined copper beginning 1916.

Source: Bureau of Foreign and Domestic Commerce.

# 15.—WAGES, HOURS OF LABOR, AND EMPLOYMENT

[Data in this section relate to Continental United States, except as noted. For data relating to hours of labor, wages, and employment shown in other sections, consult the index]

## No. 353.—INDEX NUMBERS OF EARNINGS PER HOUR (EXCLUSIVE OF AGRICULTURE)

NOTE.—These index numbers are based on such information as afforded comparisons through a series of years. No one series of directly comparable data extends through the entire period, although many trades and industries are continuously represented in the table. Agricultural wages are not included in the indexes given in this table, but are presented separately in table 570; this separation was made because of the seasonal character of the industry, the wide differences in methods of hiring, and the perquisites so often forming a part of the farm wages. The figures in this table indicate the change in earnings per hour when wage workers were actually at work, with the 3-year average, 1923-25 taken as 100. These index numbers are now being revised by the United States Department of Labor and will be published later in the "Monthly Labor Review".

[1923-25 average = 100. On currency basis during Civil War period]

| Year | Index number | Year | Index number | Year | Index number | Year | Index number |
|------|--------------|------|--------------|------|--------------|------|--------------|
| 1840 | 14.9         | 1864 | 22.5         | 1888 | 30.2         | 1912 | 43.7         |
| 1841 | 15.3         | 1865 | 26.1         | 1889 | 30.6         | 1913 | 45.0         |
| 1842 | 14.9         | 1866 | 27.5         | 1890 | 31.1         | 1914 | 45.9         |
| 1843 | 14.9         | 1867 | 28.4         | 1891 | 31.1         | 1915 | 46.4         |
| 1844 | 14.4         | 1868 | 29.3         | 1892 | 31.1         | 1916 | 50.0         |
| 1845 | 14.9         | 1869 | 29.7         | 1893 | 31.1         | 1917 | 57.7         |
| 1846 | 15.3         | 1870 | 30.2         | 1894 | 30.2         | 1918 | 73.0         |
| 1847 | 15.3         | 1871 | 30.6         | 1895 | 30.6         | 1919 | 82.9         |
| 1848 | 15.8         | 1872 | 31.1         | 1896 | 31.1         | 1920 | 105.4        |
| 1849 | 16.2         | 1873 | 31.1         | 1897 | 31.1         | 1921 | 98.2         |
| 1850 | 15.8         | 1874 | 30.2         | 1898 | 31.1         | 1922 | 93.7         |
| 1851 | 15.3         | 1875 | 30.2         | 1899 | 31.5         | 1923 | 97.7         |
| 1852 | 15.8         | 1876 | 28.8         | 1900 | 32.9         | 1924 | 100.5        |
| 1853 | 15.8         | 1877 | 27.5         | 1901 | 33.3         | 1925 | 101.8        |
| 1854 | 16.7         | 1878 | 27.0         | 1902 | 34.7         | 1926 | 103.2        |
| 1855 | 17.1         | 1879 | 26.6         | 1903 | 36.0         | 1927 | 104.1        |
| 1856 | 17.6         | 1880 | 27.0         | 1904 | 36.0         | 1928 | 104.5        |
| 1857 | 18.0         | 1881 | 27.9         | 1905 | 36.9         | 1929 | 105.0        |
| 1858 | 17.6         | 1882 | 28.4         | 1906 | 38.3         | 1930 | 103.2        |
| 1859 | 17.6         | 1883 | 28.8         | 1907 | 40.1         | 1931 | 97.7         |
| 1860 | 17.6         | 1884 | 28.8         | 1908 | 40.1         | 1932 | 85.8         |
| 1861 | 18.0         | 1885 | 28.8         | 1909 | 40.5         | 1933 | 80.2         |
| 1862 | 18.5         | 1886 | 28.8         | 1910 | 41.9         | 1934 | 91.0         |
| 1863 | 19.8         | 1887 | 30.2         | 1911 | 42.8         | 1935 | 93.2         |

Source: Bureau of Labor Statistics, Department of Labor.

## No. 354.—INDEX NUMBERS OF EARNINGS PER HOUR, (EXCLUSIVE OF AGRICULTURE), COST OF GOODS PURCHASED, AND REAL EARNINGS

NOTE.—The general trend of earnings per hour presented in table 353 relate to money received per hour by the wage earner as compensation for his work. The real measure of his earnings, however, is not his money income, but what he is able to buy with it. In the following table, therefore, index numbers relating to earnings per hour and to the cost of goods purchased are brought together and from them a third index number is computed showing the change in the worker's "real earnings" per hour

[1923-25 average = 100]

| Year | Index numbers of— |                         |                        | Year | Index numbers of— |                         |                        |
|------|-------------------|-------------------------|------------------------|------|-------------------|-------------------------|------------------------|
|      | Earnings per hour | Cost of goods purchased | Real earnings per hour |      | Earnings per hour | Cost of goods purchased | Real earnings per hour |
| 1913 | 45.0              | 57.4                    | 78.4                   | 1925 | 101.8             | 101.9                   | 99.9                   |
| 1914 | 45.9              | 58.5                    | 78.5                   | 1926 | 103.2             | 102.8                   | 100.4                  |
| 1915 | 46.4              | 59.6                    | 77.9                   | 1927 | 104.1             | 101.6                   | 102.6                  |
| 1916 | 50.0              | 63.8                    | 78.4                   | 1928 | 104.5             | 99.5                    | 105.0                  |
| 1917 | 57.7              | 73.7                    | 78.3                   | 1929 | 105.0             | 99.3                    | 105.7                  |
| 1918 | 73.0              | 88.3                    | 82.7                   | 1930 | 103.2             | 97.0                    | 106.4                  |
| 1919 | 82.9              | 101.1                   | 82.0                   | 1931 | 97.7              | 88.5                    | 110.4                  |
| 1920 | 105.4             | 116.2                   | 90.7                   | 1932 | 83.8              | 79.9                    | 104.9                  |
| 1921 | 98.2              | 103.6                   | 94.8                   | 1933 | 80.2              | 75.7                    | 105.9                  |
| 1922 | 93.7              | 97.2                    | 96.4                   | 1934 | 91.0              | 78.4                    | 116.1                  |
| 1923 | 97.7              | 98.9                    | 98.8                   | 1935 | 93.2              | 80.5                    | 115.8                  |
| 1924 | 100.5             | 99.3                    | 101.2                  |      |                   |                         |                        |

Source: Bureau of Labor Statistics, Department of Labor.

## No. 355.—AVERAGE HOURS AND EARNINGS IN SPECIFIED MANUFACTURING INDUSTRIES

NOTE.—The base year for the general indexes is indicated by 100.0 in bold type. The general indexes and the averages for employees in all occupations for each industry are weighted according to the number of employees in each occupation. Data have not been collected annually for all of the industries, but at intervals; the first year for which comparable data were collected is shown, other years not shown in this table are available unless otherwise indicated by a footnote. Data are for a representative pay period of 1 week in each year. Data for the separate occupations for each industry, except as noted, represent the average hours per week and the average earnings per hour of persons while engaged in their primary occupations only.

| Year                                             | Average hours per week |                   | Average earnings per hour | Average hours per week |                   | Average earnings per hour  | Average hours per week |                   | Average earnings per hour | Average hours per week                |                   | Average earnings per hour  | Average hours per week |                   | Average earnings per hour | Average hours per week |             | Average earnings per hour |
|--------------------------------------------------|------------------------|-------------------|---------------------------|------------------------|-------------------|----------------------------|------------------------|-------------------|---------------------------|---------------------------------------|-------------------|----------------------------|------------------------|-------------------|---------------------------|------------------------|-------------|---------------------------|
|                                                  | Full time              | Actu-ally work-ed |                           | Full time              | Actu-ally work-ed |                            | Full time              | Actu-ally work-ed |                           | Full time                             | Actu-ally work-ed |                            | Full time              | Actu-ally work-ed |                           |                        |             |                           |
| TEXTILES                                         |                        |                   |                           |                        |                   |                            |                        |                   |                           |                                       |                   |                            |                        |                   |                           |                        |             |                           |
| Cotton goods                                     |                        |                   |                           |                        |                   |                            |                        |                   |                           |                                       |                   |                            |                        |                   |                           |                        |             |                           |
| Speeder tenders, male                            |                        |                   | Speeder tenders, female   |                        |                   | Spinners, frame, male      |                        |                   | Spinners, frame, female   |                                       |                   | Loom fixers, male          |                        |                   |                           |                        |             |                           |
|                                                  |                        | <i>Dol.</i>       |                           |                        | <i>Dol.</i>       |                            |                        | <i>Dol.</i>       |                           |                                       | <i>Dol.</i>       |                            |                        | <i>Dol.</i>       |                           |                        | <i>Dol.</i> |                           |
| 1907                                             | 63.9                   | (1)               | 0.116                     | 59.3                   | (1)               | 0.139                      | 59.4                   | (1)               | 0.124                     | 61.0                                  | (1)               | 0.110                      | 60.8                   | (1)               | 0.207                     |                        |             |                           |
| 1910                                             | 61.4                   | (1)               | .131                      | 57.8                   | (1)               | .133                       | 57.2                   | (1)               | .120                      | 59.0                                  | (1)               | .108                       | 58.7                   | (1)               | .200                      |                        |             |                           |
| 1913                                             | 59.8                   | (1)               | .145                      | 56.5                   | (1)               | .153                       | 56.9                   | (1)               | .143                      | 57.8                                  | (1)               | .128                       | 57.6                   | (1)               | .227                      |                        |             |                           |
| 1918                                             | 58.2                   | (1)               | .205                      | 55.0                   | (1)               | .277                       | 54.3                   | (1)               | .248                      | 56.1                                  | (1)               | .233                       | 56.4                   | (1)               | .391                      |                        |             |                           |
| 1920                                             | 54.2                   | (1)               | .533                      | 50.2                   | (1)               | .486                       | 50.7                   | (1)               | .475                      | 51.8                                  | (1)               | .427                       | 52.2                   | (1)               | .685                      |                        |             |                           |
| 1922                                             | 54.1                   | (1)               | .368                      | 51.0                   | (1)               | .369                       | 53.4                   | (1)               | .292                      | 52.6                                  | (1)               | .301                       | 52.9                   | (1)               | .500                      |                        |             |                           |
| 1924                                             | 54.3                   | (1)               | .394                      | 51.2                   | (1)               | .411                       | 53.2                   | (1)               | .369                      | 53.1                                  | (1)               | .319                       | 52.9                   | (1)               | .553                      |                        |             |                           |
| 1926                                             | 55.1                   | 43.8              | .343                      | 51.0                   | 43.9              | .368                       | 55.1                   | 39.7              | .289                      | 53.5                                  | 42.0              | .282                       | 53.5                   | 49.5              | .489                      |                        |             |                           |
| 1928                                             | 55.1                   | 40.3              | .345                      | 51.2                   | 40.6              | .359                       | 57.8                   | 38.3              | .339                      | 52.9                                  | 38.6              | .276                       | 53.7                   | 43.7              | .482                      |                        |             |                           |
| 1930                                             | 54.8                   | 41.1              | .343                      | 51.3                   | 40.9              | .349                       | 55.5                   | 36.5              | .322                      | 53.5                                  | 38.8              | .266                       | 53.5                   | 46.8              | .483                      |                        |             |                           |
| 1932                                             | 54.2                   | 43.5              | .278                      | 51.5                   | 42.3              | .296                       | 53.6                   | 41.1              | .214                      | 53.6                                  | 40.0              | .213                       | 53.4                   | 48.1              | .403                      |                        |             |                           |
| 1933 <sup>1</sup>                                | (1)                    | 46.1              | .226                      | (1)                    | 43.8              | .232                       | (1)                    | 46.7              | .216                      | (1)                                   | 40.1              | .184                       | (1)                    | 52.7              | .387                      |                        |             |                           |
| 1933 <sup>2</sup>                                | (1)                    | 33.6              | .378                      | (1)                    | 34.5              | .382                       | (1)                    | 35.1              | .375                      | (1)                                   | 33.8              | .339                       | (1)                    | 38.0              | .565                      |                        |             |                           |
| 1934                                             | (1)                    | 27.9              | .383                      | (1)                    | 30.2              | .388                       | (1)                    | 30.1              | .374                      | (1)                                   | 27.5              | .335                       | (1)                    | 32.2              | .563                      |                        |             |                           |
| Cotton goods—Continued                           |                        |                   |                           |                        |                   |                            |                        |                   |                           | Woolen and worsted goods <sup>4</sup> |                   |                            |                        |                   |                           |                        |             |                           |
| Weavers, male                                    |                        |                   | Weavers, female           |                        |                   | General index <sup>5</sup> |                        |                   | Spinners, mule, male      |                                       |                   | Spinners, frame, female    |                        |                   |                           |                        |             |                           |
|                                                  |                        | <i>Dol.</i>       |                           |                        | <i>Dol.</i>       |                            |                        |                   |                           |                                       | <i>Dol.</i>       |                            |                        | <i>Dol.</i>       |                           |                        | <i>Dol.</i> |                           |
| 1907                                             | 60.3                   | (1)               | 0.161                     | 59.5                   | (1)               | 0.151                      | (1)                    | (1)               | (1)                       | 58.6                                  | (1)               | 0.219                      | 57.6                   | (1)               | 0.127                     |                        |             |                           |
| 1910                                             | 58.8                   | (1)               | .151                      | 57.8                   | (1)               | .147                       | 102.1                  | (1)               | 87.5                      | 57.0                                  | (1)               | .224                       | 56.0                   | (1)               | .122                      |                        |             |                           |
| 1913                                             | 57.6                   | (1)               | .170                      | 56.7                   | (1)               | .164                       | 100.0                  | (1)               | 100.0                     | 56.5                                  | (1)               | .239                       | 55.5                   | (1)               | .140                      |                        |             |                           |
| 1918                                             | 56.2                   | (1)               | .301                      | 55.4                   | (1)               | .285                       | 97.0                   | (1)               | 179.9                     | 54.9                                  | (1)               | .499                       | 52.4                   | (1)               | .278                      |                        |             |                           |
| 1920                                             | 51.8                   | (1)               | .573                      | 50.3                   | (1)               | .528                       | 89.7                   | (1)               | 323.5                     | 48.2                                  | (1)               | .816                       | 48.2                   | (1)               | .481                      |                        |             |                           |
| 1922                                             | 52.6                   | (1)               | .389                      | 51.6                   | (1)               | .380                       | 91.5                   | (1)               | 222.4                     | 49.2                                  | (1)               | .670                       | 48.4                   | (1)               | .345                      |                        |             |                           |
| 1924                                             | 52.8                   | (1)               | .449                      | 51.8                   | (1)               | .429                       | 91.8                   | (1)               | 250.7                     | 48.9                                  | (1)               | .755                       | 48.9                   | (1)               | .417                      |                        |             |                           |
| 1926                                             | 53.2                   | 45.4              | .396                      | 51.9                   | 44.8              | .375                       | 92.3                   | 100.0             | 221.0                     | 49.7                                  | 44.2              | .695                       | 49.8                   | 38.3              | .362                      |                        |             |                           |
| 1928                                             | 53.4                   | 41.6              | .392                      | 52.2                   | 40.8              | .371                       | 92.5                   | 92.7              | 218.3                     | 49.5                                  | 40.1              | .684                       | 49.7                   | 37.9              | .383                      |                        |             |                           |
| 1930                                             | 52.7                   | 44.2              | .400                      | 52.0                   | 43.2              | .381                       | 92.5                   | 94.7              | 219.0                     | 49.5                                  | 40.3              | .669                       | 49.1                   | 37.6              | .387                      |                        |             |                           |
| 1932                                             | 53.1                   | 46.1              | .314                      | 52.0                   | 45.3              | .307                       | 92.5                   | 98.2              | 179.2                     | 51.3                                  | 40.7              | .515                       | 49.4                   | 40.6              | .340                      |                        |             |                           |
| 1933 <sup>1</sup>                                | (1)                    | 49.7              | .264                      | (1)                    | 46.8              | .252                       | (1)                    | 102.0             | 156.7                     | (1)                                   | (1)               | (1)                        | (1)                    | (1)               | (1)                       |                        |             |                           |
| 1933 <sup>2</sup>                                | (1)                    | 36.0              | .415                      | (1)                    | 37.2              | .409                       | (1)                    | 78.7              | 249.5                     | 40.0                                  | 30.0              | .626                       | 39.7                   | 35.3              | .416                      |                        |             |                           |
| 1934                                             | (1)                    | 31.4              | .420                      | (1)                    | 31.6              | .413                       | (1)                    | 67.2              | 256.7                     | 40.0                                  | 32.8              | .582                       | 39.8                   | 28.1              | .412                      |                        |             |                           |
| Woolen and worsted goods <sup>4</sup> —Continued |                        |                   |                           |                        |                   |                            |                        |                   |                           |                                       |                   |                            |                        |                   |                           |                        |             |                           |
| Loom fixers, male                                |                        |                   | Weavers, male             |                        |                   | Weavers, female            |                        |                   | Burlers, female           |                                       |                   | General index <sup>5</sup> |                        |                   |                           |                        |             |                           |
|                                                  |                        | <i>Dol.</i>       |                           |                        | <i>Dol.</i>       |                            |                        | <i>Dol.</i>       |                           |                                       | <i>Dol.</i>       |                            |                        |                   |                           |                        |             |                           |
| 1907                                             | 58.0                   | (1)               | 0.287                     | 58.5                   | (1)               | 0.203                      | 58.0                   | (1)               | 0.188                     | 58.3                                  | (1)               | 0.122                      | (1)                    | (1)               | (1)                       |                        |             |                           |
| 1910                                             | 56.6                   | (1)               | .279                      | 57.1                   | (1)               | .207                       | 56.3                   | (1)               | .180                      | 56.5                                  | (1)               | .130                       | 101.3                  | (1)               | 90.4                      |                        |             |                           |
| 1913                                             | 55.8                   | (1)               | .287                      | 56.3                   | (1)               | .232                       | 56.0                   | (1)               | .197                      | 55.6                                  | (1)               | .146                       | 100.0                  | (1)               | 100.0                     |                        |             |                           |
| 1918                                             | 54.5                   | (1)               | .552                      | 54.5                   | (1)               | .470                       | 54.1                   | (1)               | .406                      | 54.1                                  | (1)               | .276                       | 97.0                   | (1)               | 192.6                     |                        |             |                           |
| 1920                                             | 48.3                   | (1)               | .973                      | 48.3                   | (1)               | .807                       | 48.3                   | (1)               | .747                      | 48.4                                  | (1)               | .452                       | 86.2                   | (1)               | 353.7                     |                        |             |                           |
| 1922                                             | 48.4                   | (1)               | .754                      | 48.3                   | (1)               | .616                       | 48.4                   | (1)               | .578                      | 48.2                                  | (1)               | .371                       | 87.1                   | (1)               | 267.0                     |                        |             |                           |
| 1924                                             | 49.0                   | (1)               | .870                      | 48.8                   | (1)               | .701                       | 48.9                   | (1)               | .654                      | 49.2                                  | (1)               | .420                       | 87.7                   | (1)               | 300.2                     |                        |             |                           |
| 1926                                             | 49.0                   | 45.1              | .807                      | 48.9                   | 41.0              | .652                       | 49.2                   | 40.1              | .600                      | 49.3                                  | 40.8              | .381                       | 88.0                   | 100.0             | 276.5                     |                        |             |                           |
| 1928                                             | 49.0                   | 45.4              | .821                      | 48.9                   | 38.1              | .658                       | 48.8                   | 36.7              | .605                      | 49.3                                  | 39.0              | .383                       | 88.0                   | 95.7              | 289.5                     |                        |             |                           |
| 1930                                             | 49.5                   | 43.8              | .809                      | 49.3                   | 40.5              | .631                       | 49.2                   | 38.6              | .579                      | 49.0                                  | 38.1              | .354                       | 88.0                   | 95.7              | 266.4                     |                        |             |                           |
| 1932                                             | 49.8                   | 44.1              | .775                      | 49.8                   | 49.7              | .611                       | 49.6                   | 38.6              | .544                      | 49.4                                  | 38.6              | .559                       | 89.2                   | 96.2              | 228.2                     |                        |             |                           |
| 1932                                             | 51.6                   | 45.6              | .670                      | 51.4                   | 43.0              | .497                       | 52.4                   | 43.4              | .440                      | 50.2                                  | 36.8              | .294                       | 71.1                   | 86.5              | 271.7                     |                        |             |                           |
| 1933 <sup>1</sup>                                | 40.0                   | 38.9              | .772                      | 40.0                   | 37.0              | .662                       | 39.9                   | 38.1              | .492                      | 40.0                                  | 37.0              | .398                       | 71.1                   | 86.5              | 271.7                     |                        |             |                           |
| 1934                                             | 40.0                   | 35.3              | .768                      | 40.0                   | 33.0              | .562                       | 40.0                   | 32.7              | .516                      | 40.0                                  | 28.2              | .410                       | 71.1                   | 72.2              | 285.6                     |                        |             |                           |

For footnotes, see p. 320.



## No. 355.—AVERAGE HOURS AND EARNINGS IN MANUFACTURING INDUSTRIES—Continued

| Year                                   | Average hours per week |                   | Average earnings per hour | Average hours per week |                   | Average earnings per hour      | Average hours per week |                   | Average earnings per hour                 | Average hours per week |                   | Average earnings per hour  | Average hours per week |                   | Average earnings per hour |
|----------------------------------------|------------------------|-------------------|---------------------------|------------------------|-------------------|--------------------------------|------------------------|-------------------|-------------------------------------------|------------------------|-------------------|----------------------------|------------------------|-------------------|---------------------------|
|                                        | Full time              | Actu-ally work-ed |                           | Full time              | Actu-ally work-ed |                                | Full time              | Actu-ally work-ed |                                           | Full time              | Actu-ally work-ed |                            | Full time              | Actu-ally work-ed |                           |
| TEXTILES—Continued                     |                        |                   |                           |                        |                   |                                |                        |                   |                                           |                        |                   |                            |                        |                   |                           |
| Silk and rayon goods                   |                        |                   |                           |                        |                   |                                |                        |                   |                                           |                        |                   |                            |                        |                   |                           |
| Spinners, male                         |                        |                   | Spinners, female          |                        |                   | Winders, hard silk, female     |                        |                   | Warpers, male                             |                        |                   | Warpers, female            |                        |                   |                           |
| 1907                                   | 56.8                   | (1)               | Dol. 0.098                | 58.7                   | (1)               | Dol. 0.063                     | 57.6                   | (1)               | Dol. 0.099                                | 57.0                   | (1)               | Dol. 0.306                 | 57.8                   | (1)               | Dol. 0.102                |
| 1910                                   | 57.5                   | (1)               | .094                      | 56.9                   | (1)               | .091                           | 57.3                   | (1)               | .093                                      | 56.6                   | (1)               | .317                       | 56.3                   | (1)               | .179                      |
| 1913                                   | 56.6                   | (1)               | .117                      | 56.3                   | (1)               | .110                           | 56.8                   | (1)               | .112                                      | 55.3                   | (1)               | .388                       | 55.7                   | (1)               | .205                      |
| 1919                                   | 53.9                   | (1)               | .342                      | 50.3                   | (1)               | .274                           | 51.5                   | (1)               | .280                                      | 50.7                   | (1)               | .558                       | 51.0                   | (1)               | .354                      |
| 1931                                   | 54.2                   | 49.9              | .344                      | 50.2                   | 43.1              | .289                           | 50.1                   | 40.7              | .293                                      | 51.1                   | 45.4              | .048                       | 50.4                   | 43.5              | .476                      |
| 1933 <sup>1</sup>                      | 55.6                   | 47.9              | .251                      | 50.0                   | 42.6              | .211                           | 50.3                   | 40.7              | .206                                      | 51.7                   | 44.6              | .396                       | 50.5                   | 40.3              | .321                      |
| 1933 <sup>2</sup>                      | 39.1                   | 30.4              | .442                      | 38.3                   | 34.4              | .351                           | 39.4                   | 34.5              | .344                                      | 40.2                   | 36.1              | .514                       | 39.9                   | 35.1              | .474                      |
| 1934                                   | 39.5                   | 32.9              | .458                      | 38.3                   | 31.6              | .356                           | 39.3                   | 30.2              | .356                                      | 40.0                   | 34.2              | .620                       | 40.0                   | 29.6              | .499                      |
| Quillers, female                       |                        |                   | Loom fixers, male         |                        |                   | Weavers, broad silk, male      |                        |                   | Weavers, broad silk, female               |                        |                   | General index <sup>1</sup> |                        |                   |                           |
| 1907                                   | 58.0                   | (1)               | Dol. 0.097                | 57.4                   | (1)               | 0.260                          | 57.7                   | (1)               | 0.206                                     | 57.1                   | (1)               | 0.143                      | (1)                    | (1)               | (1)                       |
| 1910                                   | 56.2                   | (1)               | .107                      | 56.5                   | (1)               | .289                           | 56.9                   | (1)               | .213                                      | 56.7                   | (1)               | .141                       | 101.3                  | (1)               | 86.5                      |
| 1913                                   | 55.3                   | (1)               | .115                      | 55.8                   | (1)               | .321                           | 56.0                   | (1)               | .263                                      | 56.1                   | (1)               | .198                       | 100.0                  | (1)               | 100.0                     |
| 1919                                   | 51.3                   | (1)               | .287                      | 51.5                   | (1)               | .546                           | 51.7                   | (1)               | .473                                      | 52.0                   | (1)               | .393                       | 92.6                   | (1)               | 100.0                     |
| 1931                                   | 50.0                   | 44.2              | .285                      | 51.0                   | 50.2              | .746                           | 51.2                   | 47.0              | .499                                      | 49.6                   | 46.0              | .422                       | 91.0                   | (1)               | 215.8                     |
| 1933 <sup>1</sup>                      | 50.5                   | 42.5              | .192                      | 51.2                   | 49.9              | .534                           | 50.7                   | 46.4              | .287                                      | 49.6                   | 44.9              | .254                       | 91.4                   | (1)               | 143.0                     |
| 1933 <sup>2</sup>                      | 39.8                   | 35.2              | .353                      | 39.9                   | 38.9              | .724                           | 40.0                   | 37.4              | .447                                      | 40.0                   | 37.1              | .410                       | 71.4                   | (1)               | 220.6                     |
| 1934                                   | 39.6                   | 33.3              | .357                      | 40.0                   | 36.8              | .765                           | 39.6                   | 34.7              | .432                                      | 39.9                   | 35.4              | .433                       | 71.3                   | (1)               | 238.1                     |
| Dyeing and finishing of textiles       |                        |                   |                           |                        |                   |                                |                        |                   |                                           |                        |                   |                            |                        |                   |                           |
| Dyeing machine tenders, male           |                        |                   | Mangle tenders, male      |                        |                   | Printing machine tenders, male |                        |                   | Tenter-frame tenders, male                |                        |                   | Drier tenders, male        |                        |                   |                           |
| 1930                                   | 50.6                   | 48.6              | Dol. 0.465                | 51.2                   | 50.9              | 0.424                          | 51.5                   | 54.7              | 1.201                                     | 51.0                   | 51.2              | 0.435                      | 51.2                   | 51.6              | Dol. 0.435                |
| 1932                                   | 50.8                   | 49.7              | .415                      | 51.6                   | 51.5              | .366                           | 50.8                   | 55.2              | 1.019                                     | 51.5                   | 53.3              | .385                       | 51.6                   | 53.6              | .375                      |
| 1933 <sup>1</sup>                      | 53.3                   | 51.2              | .352                      | 48.3                   | 46.1              | .340                           | 55.8                   | 54.4              | 1.043                                     | 50.3                   | 54.7              | .310                       | 53.2                   | 50.6              | .295                      |
| 1933 <sup>2</sup>                      | 40.4                   | 35.4              | .443                      | 40.9                   | 35.9              | .421                           | 40.0                   | 36.3              | 1.392                                     | 40.2                   | 32.7              | .442                       | 40.1                   | 30.3              | .428                      |
| 1934                                   | 40.2                   | 33.3              | .518                      | 40.1                   | 31.8              | .464                           | 40.1                   | 36.5              | 1.345                                     | 40.1                   | 33.7              | .489                       | 40.0                   | 32.8              | .467                      |
| Calender tenders, male                 |                        |                   | Truckers, hand, male      |                        |                   | Yarn winders, female           |                        |                   | Employees in all occupations <sup>1</sup> |                        |                   |                            |                        |                   |                           |
|                                        |                        |                   |                           |                        |                   |                                |                        |                   | Males                                     |                        |                   | Females                    |                        |                   |                           |
| 1930                                   | 51.4                   | 50.7              | Dol. 0.431                | 50.6                   | 51.5              | 0.405                          | 51.9                   | 39.6              | 0.350                                     | 51.0                   | 50.7              | 0.473                      | 50.5                   | 42.4              | 0.335                     |
| 1932                                   | 52.1                   | 49.8              | .383                      | 51.2                   | 51.2              | .344                           | 53.4                   | 39.3              | .282                                      | 51.4                   | 51.1              | .418                       | 51.2                   | 43.5              | .291                      |
| 1933 <sup>1</sup>                      | 54.8                   | 56.6              | .345                      | 52.3                   | 50.6              | .302                           | 53.8                   | 42.0              | .228                                      | 52.4                   | 51.9              | .398                       | 49.0                   | 43.2              | .277                      |
| 1933 <sup>2</sup>                      | 40.3                   | 36.7              | .434                      | 40.2                   | 36.7              | .400                           | 39.9                   | 28.9              | .393                                      | 40.5                   | 36.6              | .481                       | 40.0                   | 33.7              | .380                      |
| 1934                                   | 40.0                   | 34.3              | .480                      | 40.2                   | 34.4              | .414                           | 40.0                   | 20.9              | .416                                      | 40.3                   | 33.9              | .518                       | 39.6                   | 31.8              | .405                      |
| Men's clothing <sup>1</sup>            |                        |                   |                           |                        |                   |                                |                        |                   |                                           |                        |                   |                            |                        |                   |                           |
| Cutters, cloth, hand and machine, male |                        |                   | Basters, coat, male       |                        |                   | Operators, coat, male          |                        |                   | Operators, coat, female                   |                        |                   | Hand sewers, coat, female  |                        |                   |                           |
| 1911                                   | 49.9                   | (1)               | Dol. 0.406                | 55.3                   | (1)               | 0.220                          | 55.9                   | (1)               | 0.264                                     | 54.2                   | (1)               | 0.195                      | 54.8                   | (1)               | 0.155                     |
| 1913                                   | 49.0                   | (1)               | .433                      | 52.5                   | (1)               | .267                           | 52.5                   | (1)               | .305                                      | 52.1                   | (1)               | .199                       | 52.1                   | (1)               | .179                      |
| 1919                                   | 47.7                   | (1)               | .628                      | 47.5                   | (1)               | .511                           | 47.6                   | (1)               | .591                                      | 48.1                   | (1)               | .561                       | 47.8                   | (1)               | .334                      |
| 1922                                   | 44.0                   | (1)               | 1.033                     | 44.3                   | (1)               | .848                           | 44.1                   | (1)               | .962                                      | 43.9                   | (1)               | .593                       | 44.2                   | (1)               | .530                      |
| 1924                                   | 44.2                   | (1)               | 1.111                     | 44.4                   | (1)               | .889                           | 44.1                   | (1)               | 1.033                                     | 43.6                   | (1)               | .614                       | 44.1                   | (1)               | .555                      |
| 1926                                   | 44.2                   | 42.4              | 1.123                     | 44.8                   | 42.7              | .925                           | 44.1                   | 41.9              | 1.024                                     | 44.4                   | 39.3              | .638                       | 44.4                   | 41.1              | .545                      |
| 1928                                   | 43.8                   | 41.7              | 1.129                     | 44.2                   | 42.8              | .905                           | 44.2                   | 42.3              | 1.016                                     | 43.3                   | 38.2              | .632                       | 43.9                   | 40.0              | .527                      |
| 1930                                   | 44.0                   | 38.5              | 1.139                     | 44.3                   | 39.8              | .834                           | 44.3                   | 40.3              | .958                                      | 43.8                   | 35.2              | .570                       | 44.2                   | 37.6              | .490                      |
| 1932                                   | 44.2                   | 36.3              | .920                      | 44.2                   | 39.1              | .551                           | 44.2                   | 40.4              | .687                                      | 44.5                   | 37.3              | .407                       | 44.4                   | 37.1              | .345                      |

For footnotes, see p. 320.

## No. 355.—AVERAGE HOURS AND EARNINGS IN MANUFACTURING INDUSTRIES—Continued

| Year                                     | Average hours per week |                  | Average earnings per hour | Average hours per week              |                  | Average earnings per hour | Average hours per week |                                           | Average earnings per hour | Average hours per week |                  | Average earnings per hour                                | Average hours per week |                  | Average earnings per hour |                            |  |  |  |
|------------------------------------------|------------------------|------------------|---------------------------|-------------------------------------|------------------|---------------------------|------------------------|-------------------------------------------|---------------------------|------------------------|------------------|----------------------------------------------------------|------------------------|------------------|---------------------------|----------------------------|--|--|--|
|                                          | Full time              | Actually worked  |                           | Full time                           | Actually worked  |                           | Full time              | Actually worked                           |                           | Full time              | Actually worked  |                                                          | Full time              | Actually worked  |                           |                            |  |  |  |
| TEXTILES—Continued                       |                        |                  |                           |                                     |                  |                           |                        |                                           |                           |                        |                  |                                                          |                        |                  |                           |                            |  |  |  |
| Men's clothing <sup>8</sup> —Continued   |                        |                  |                           |                                     |                  |                           |                        | Hosiery and underwear                     |                           |                        |                  |                                                          |                        |                  |                           |                            |  |  |  |
| Pressers, coat, male                     |                        |                  |                           | General index <sup>8</sup>          |                  |                           |                        | Knitters, full-fashioned, hosiery, male   |                           |                        |                  | Knitters, transfer, hosiery, female                      |                        |                  |                           | Loopers, hosiery, female   |  |  |  |
|                                          | ( <sup>1</sup> )       | ( <sup>1</sup> ) | Dol.                      | ( <sup>1</sup> )                    | ( <sup>1</sup> ) | ( <sup>1</sup> )          | ( <sup>1</sup> )       | ( <sup>1</sup> )                          | ( <sup>1</sup> )          | Dol.                   | ( <sup>1</sup> ) | ( <sup>1</sup> )                                         | Dol.                   | ( <sup>1</sup> ) | ( <sup>1</sup> )          | Dol.                       |  |  |  |
| 1907                                     |                        |                  |                           |                                     |                  |                           |                        |                                           |                           |                        | 58.1             | ( <sup>1</sup> )                                         | 0.123                  | 58.4             | ( <sup>1</sup> )          | 0.140                      |  |  |  |
| 1910                                     | 55.1                   | ( <sup>1</sup> ) | 0.240                     | 104.6                               | ( <sup>1</sup> ) | 86.7                      | ( <sup>1</sup> )       |                                           |                           |                        | 67.5             | ( <sup>1</sup> )                                         | .121                   | 57.3             | ( <sup>1</sup> )          | .133                       |  |  |  |
| 1913                                     | 52.3                   | ( <sup>1</sup> ) | .291                      | 100.0                               | ( <sup>1</sup> ) | 100.0                     | ( <sup>1</sup> )       | 55.1                                      | ( <sup>1</sup> )          | 0.390                  | 58.0             | ( <sup>1</sup> )                                         | .149                   | 56.0             | ( <sup>1</sup> )          | .150                       |  |  |  |
| 1919                                     | 47.8                   | ( <sup>1</sup> ) | .541                      | 92.7                                | ( <sup>1</sup> ) | 173.5                     | ( <sup>1</sup> )       | 51.7                                      | ( <sup>1</sup> )          | .640                   | 53.0             | ( <sup>1</sup> )                                         | .272                   | 52.2             | ( <sup>1</sup> )          | .296                       |  |  |  |
| 1924                                     | 44.2                   | ( <sup>1</sup> ) | .934                      | 85.3                                | ( <sup>1</sup> ) | 295.7                     | ( <sup>1</sup> )       | 50.5                                      | ( <sup>1</sup> )          | 1.099                  | 50.8             | ( <sup>1</sup> )                                         | .344                   | 50.8             | ( <sup>1</sup> )          | .384                       |  |  |  |
| 1926                                     | 44.3                   | 42.1             | .933                      | 85.7                                | 100.0            | 291.8                     | 51.1                   | 50.8                                      | 1.346                     | 52.5                   | 48.1             | .298                                                     | 52.4                   | 43.5             | .371                      |                            |  |  |  |
| 1928                                     | 44.0                   | 41.8             | .912                      | 85.1                                | 99.5             | 284.4                     | 50.5                   | 50.0                                      | 1.390                     | 53.1                   | 46.4             | .294                                                     | 53.0                   | 44.3             | .385                      |                            |  |  |  |
| 1930                                     | 44.2                   | 39.1             | .867                      | 85.7                                | 92.6             | 272.7                     | 50.7                   | 44.4                                      | 1.277                     | 53.7                   | 40.0             | .273                                                     | 53.0                   | 37.6             | .386                      |                            |  |  |  |
| 1932                                     | 44.3                   | 37.8             | .608                      | 85.8                                | 91.4             | 196.9                     | 51.1                   | 43.7                                      | .669                      | 53.7                   | 41.4             | .205                                                     | 52.6                   | 36.6             | .289                      |                            |  |  |  |
| Hosiery and underwear—Continued          |                        |                  |                           |                                     |                  |                           |                        |                                           |                           |                        |                  |                                                          |                        |                  |                           |                            |  |  |  |
| Seamers, full-fashioned, hosiery, female |                        |                  |                           | Boarders, hosiery, male             |                  |                           |                        | Knitters, web or tube, underwear, male    |                           |                        |                  | Cutters, hand, layers-up, and markers, underwear, female |                        |                  |                           | Seamers, underwear, female |  |  |  |
|                                          | ( <sup>1</sup> )       | ( <sup>1</sup> ) | Dol.                      | ( <sup>1</sup> )                    | ( <sup>1</sup> ) | Dol.                      | ( <sup>1</sup> )       | ( <sup>1</sup> )                          | Dol.                      | ( <sup>1</sup> )       | ( <sup>1</sup> ) | Dol.                                                     | ( <sup>1</sup> )       | ( <sup>1</sup> ) | Dol.                      |                            |  |  |  |
| 1907                                     | ( <sup>1</sup> )       | ( <sup>1</sup> ) | ( <sup>1</sup> )          | 58.4                                | ( <sup>1</sup> ) | 0.218                     | 58.5                   | ( <sup>1</sup> )                          | 0.219                     | 58.6                   | ( <sup>1</sup> ) | 0.144                                                    | 58.6                   | ( <sup>1</sup> ) | 0.144                     |                            |  |  |  |
| 1910                                     | ( <sup>1</sup> )       | ( <sup>1</sup> ) | ( <sup>1</sup> )          | 57.0                                | ( <sup>1</sup> ) | .193                      | 58.0                   | ( <sup>1</sup> )                          | .201                      | 56.5                   | ( <sup>1</sup> ) | .137                                                     | 57.8                   | ( <sup>1</sup> ) | .143                      |                            |  |  |  |
| 1913                                     | 55.1                   | ( <sup>1</sup> ) | 0.170                     | 55.8                                | ( <sup>1</sup> ) | .219                      | 55.4                   | ( <sup>1</sup> )                          | .249                      | 54.8                   | ( <sup>1</sup> ) | .169                                                     | 54.5                   | ( <sup>1</sup> ) | .176                      |                            |  |  |  |
| 1919                                     | ( <sup>1</sup> )       | ( <sup>1</sup> ) | ( <sup>1</sup> )          | 52.6                                | ( <sup>1</sup> ) | .450                      | 52.9                   | ( <sup>1</sup> )                          | .407                      | 50.4                   | ( <sup>1</sup> ) | .313                                                     | 51.3                   | ( <sup>1</sup> ) | .287                      |                            |  |  |  |
| 1924                                     | 50.5                   | ( <sup>1</sup> ) | .484                      | 51.9                                | ( <sup>1</sup> ) | .531                      | 51.3                   | ( <sup>1</sup> )                          | .528                      | 49.8                   | ( <sup>1</sup> ) | .303                                                     | 50.3                   | ( <sup>1</sup> ) | .372                      |                            |  |  |  |
| 1926                                     | 50.5                   | 40.3             | .515                      | 53.4                                | 47.7             | .481                      | 52.0                   | 50.9                                      | .534                      | 50.2                   | 43.1             | .367                                                     | 50.2                   | 42.0             | .374                      |                            |  |  |  |
| 1928                                     | 49.8                   | 45.9             | .504                      | 53.8                                | 48.2             | .521                      | 52.2                   | 48.0                                      | .490                      | 50.4                   | 44.5             | .344                                                     | 50.2                   | 42.5             | .365                      |                            |  |  |  |
| 1930                                     | 50.2                   | 40.0             | .467                      | 53.7                                | 40.2             | .488                      | 51.9                   | 42.8                                      | .615                      | 50.4                   | 40.2             | .364                                                     | 50.0                   | 38.3             | .354                      |                            |  |  |  |
| 1932                                     | 50.8                   | 40.0             | .347                      | 53.3                                | 38.8             | .380                      | 52.3                   | 43.1                                      | .390                      | 50.2                   | 37.8             | .286                                                     | 50.6                   | 35.4             | .274                      |                            |  |  |  |
| TEXTILES—Continued                       |                        |                  |                           |                                     |                  |                           |                        |                                           |                           |                        |                  |                                                          |                        |                  |                           |                            |  |  |  |
| Hosiery and underwear—Continued          |                        |                  |                           |                                     |                  |                           |                        | BOOTS AND SHOES                           |                           |                        |                  |                                                          |                        |                  |                           |                            |  |  |  |
| Finishers, underwear, female             |                        |                  |                           | General index <sup>8</sup>          |                  |                           |                        | Cutters, vamp, and whole shoe, hand, male |                           |                        |                  | Triers, hand and machine, male                           |                        |                  |                           | Vampers, female            |  |  |  |
|                                          | ( <sup>1</sup> )       | ( <sup>1</sup> ) | Dol.                      | ( <sup>1</sup> )                    | ( <sup>1</sup> ) | ( <sup>1</sup> )          | ( <sup>1</sup> )       | ( <sup>1</sup> )                          | ( <sup>1</sup> )          | Dol.                   | ( <sup>1</sup> ) | ( <sup>1</sup> )                                         | Dol.                   | ( <sup>1</sup> ) | ( <sup>1</sup> )          | Dol.                       |  |  |  |
| 1907                                     | 58.7                   | ( <sup>1</sup> ) | 0.158                     | ( <sup>1</sup> )                    | ( <sup>1</sup> ) | ( <sup>1</sup> )          | 54.9                   | ( <sup>1</sup> )                          | 0.325                     | 54.7                   | ( <sup>1</sup> ) | 0.305                                                    | 55.7                   | ( <sup>1</sup> ) | 0.246                     |                            |  |  |  |
| 1910                                     | 57.9                   | ( <sup>1</sup> ) | .150                      | 104.2                               | ( <sup>1</sup> ) | 82.0                      | 56.3                   | ( <sup>1</sup> )                          | .319                      | 55.9                   | ( <sup>1</sup> ) | .269                                                     | 56.9                   | ( <sup>1</sup> ) | .238                      |                            |  |  |  |
| 1913                                     | 54.7                   | ( <sup>1</sup> ) | .184                      | 100.0                               | ( <sup>1</sup> ) | 100.0                     | 54.5                   | ( <sup>1</sup> )                          | .351                      | 55.3                   | ( <sup>1</sup> ) | .282                                                     | 54.7                   | ( <sup>1</sup> ) | .246                      |                            |  |  |  |
| 1919                                     | 51.9                   | ( <sup>1</sup> ) | .297                      | 94.2                                | ( <sup>1</sup> ) | 183.1                     | ( <sup>1</sup> )       | ( <sup>1</sup> )                          | ( <sup>1</sup> )          | ( <sup>1</sup> )       | ( <sup>1</sup> ) | ( <sup>1</sup> )                                         | ( <sup>1</sup> )       | ( <sup>1</sup> ) | ( <sup>1</sup> )          |                            |  |  |  |
| 1920                                     | ( <sup>1</sup> )       | ( <sup>1</sup> ) | ( <sup>1</sup> )          | ( <sup>1</sup> )                    | ( <sup>1</sup> ) | ( <sup>1</sup> )          | 47.8                   | ( <sup>1</sup> )                          | .829                      | 48.3                   | ( <sup>1</sup> ) | .677                                                     | 48.8                   | ( <sup>1</sup> ) | .606                      |                            |  |  |  |
| 1924                                     | 49.8                   | ( <sup>1</sup> ) | .377                      | 91.3                                | ( <sup>1</sup> ) | 246.1                     | 48.4                   | ( <sup>1</sup> )                          | .838                      | 48.8                   | ( <sup>1</sup> ) | .624                                                     | 49.4                   | ( <sup>1</sup> ) | .619                      |                            |  |  |  |
| 1926                                     | 50.3                   | 42.3             | .358                      | 92.4                                | 100.0            | 266.6                     | 48.9                   | 44.7                                      | .808                      | 49.2                   | 47.5             | .611                                                     | 49.1                   | 45.7             | .531                      |                            |  |  |  |
| 1928                                     | 50.2                   | 41.4             | .341                      | 92.4                                | 99.3             | 267.2                     | 48.6                   | 44.8                                      | .824                      | 49.2                   | 45.6             | .624                                                     | 49.3                   | 45.2             | .505                      |                            |  |  |  |
| 1930                                     | 50.5                   | 39.4             | .341                      | 93.1                                | 90.0             | 273.8                     | 48.7                   | 42.0                                      | .796                      | 49.1                   | 43.0             | .563                                                     | 49.1                   | 41.7             | .465                      |                            |  |  |  |
| 1932                                     | 50.8                   | 38.9             | .282                      | 93.0                                | 87.6             | 213.6                     | 48.9                   | 40.3                                      | .634                      | 49.3                   | 42.5             | .433                                                     | 49.0                   | 39.2             | .355                      |                            |  |  |  |
| BOOTS AND SHOES—Continued                |                        |                  |                           |                                     |                  |                           |                        |                                           |                           |                        |                  |                                                          |                        |                  |                           |                            |  |  |  |
| Bed-machine operators, male              |                        |                  |                           | Top stitchers, female <sup>10</sup> |                  |                           |                        | Edge setters, male                        |                           |                        |                  | Edge trimmers, male                                      |                        |                  |                           | General index <sup>8</sup> |  |  |  |
|                                          | ( <sup>1</sup> )       | ( <sup>1</sup> ) | Dol.                      | ( <sup>1</sup> )                    | ( <sup>1</sup> ) | Dol.                      | ( <sup>1</sup> )       | ( <sup>1</sup> )                          | Dol.                      | ( <sup>1</sup> )       | ( <sup>1</sup> ) | Dol.                                                     | ( <sup>1</sup> )       | ( <sup>1</sup> ) | Dol.                      |                            |  |  |  |
| 1907                                     | 54.7                   | ( <sup>1</sup> ) | 0.356                     | 48.0                                | ( <sup>1</sup> ) | 0.185                     | 56.0                   | ( <sup>1</sup> )                          | 0.400                     | 55.3                   | ( <sup>1</sup> ) | 0.404                                                    | 55.3                   | ( <sup>1</sup> ) | 0.404                     |                            |  |  |  |
| 1910                                     | 56.4                   | ( <sup>1</sup> ) | .311                      | 56.3                                | ( <sup>1</sup> ) | .188                      | 56.3                   | ( <sup>1</sup> )                          | .373                      | 56.4                   | ( <sup>1</sup> ) | .382                                                     | 56.4                   | ( <sup>1</sup> ) | .382                      |                            |  |  |  |
| 1913                                     | 55.2                   | ( <sup>1</sup> ) | .390                      | 54.6                                | ( <sup>1</sup> ) | .210                      | 55.3                   | ( <sup>1</sup> )                          | .411                      | 55.4                   | ( <sup>1</sup> ) | .410                                                     | 55.4                   | ( <sup>1</sup> ) | .410                      |                            |  |  |  |
| 1920                                     | 48.7                   | ( <sup>1</sup> ) | .789                      | 48.5                                | ( <sup>1</sup> ) | .448                      | 48.7                   | ( <sup>1</sup> )                          | .873                      | 48.7                   | ( <sup>1</sup> ) | .904                                                     | 48.7                   | ( <sup>1</sup> ) | .904                      |                            |  |  |  |
| 1924                                     | 49.1                   | ( <sup>1</sup> ) | .692                      | 49.3                                | ( <sup>1</sup> ) | .462                      | 49.1                   | ( <sup>1</sup> )                          | .756                      | 49.1                   | ( <sup>1</sup> ) | .767                                                     | 49.1                   | ( <sup>1</sup> ) | .767                      |                            |  |  |  |
| 1926                                     | 49.1                   | 46.5             | .700                      | 40.3                                | 44.0             | .486                      | 40.1                   | 45.8                                      | .788                      | 49.2                   | 45.7             | .785                                                     | 49.2                   | 45.7             | .785                      |                            |  |  |  |
| 1928                                     | 49.2                   | 45.0             | .682                      | 49.4                                | 44.3             | .461                      | 49.1                   | 44.1                                      | .755                      | 49.1                   | 44.7             | .764                                                     | 49.2                   | 44.7             | .764                      |                            |  |  |  |
| 1930                                     | 49.1                   | 42.1             | .657                      | 49.1                                | 41.5             | .419                      | 49.0                   | 41.6                                      | .706                      | 49.1                   | 41.7             | .722                                                     | 49.1                   | 41.7             | .722                      |                            |  |  |  |
| 1932                                     | 49.1                   | 40.4             | .515                      | 49.0                                | 40.5             | .338                      | 49.0                   | 39.3                                      | .551                      | 49.1                   | 39.3             | .572                                                     | 49.1                   | 39.3             | .572                      |                            |  |  |  |

For footnotes, see p. 320.

## No. 355.—AVERAGE HOURS AND EARNINGS IN MANUFACTURING INDUSTRIES—Continued

| Year                           | Average hours per week |                 | Average earnings per hour  | Average hours per week |                 | Average earnings per hour | Average hours per week |                 | Average earnings per hour  | Average hours per week |                 | Average earnings per hour | Average hours per week |                 | Average earnings per hour | Average hours per week |             | Average earnings per hour |
|--------------------------------|------------------------|-----------------|----------------------------|------------------------|-----------------|---------------------------|------------------------|-----------------|----------------------------|------------------------|-----------------|---------------------------|------------------------|-----------------|---------------------------|------------------------|-------------|---------------------------|
|                                | Full time              | Actually worked |                            | Full time              | Actually worked |                           | Full time              | Actually worked |                            | Full time              | Actually worked |                           | Full time              | Actually worked |                           |                        |             |                           |
| IRON AND STEEL <sup>1</sup>    |                        |                 |                            |                        |                 |                           |                        |                 |                            |                        |                 |                           |                        |                 |                           |                        |             |                           |
| Blast furnaces                 |                        |                 |                            |                        |                 |                           |                        |                 |                            |                        |                 |                           |                        |                 |                           |                        |             |                           |
| Stockers                       |                        |                 | Larrymen                   |                        |                 | Blowers                   |                        |                 | Keepers                    |                        |                 | Keepers' helpers          |                        |                 |                           |                        |             |                           |
|                                |                        | <i>Dol.</i>     |                            |                        | <i>Dol.</i>     |                           | <i>Dol.</i>            |                 | <i>Dol.</i>                |                        | <i>Dol.</i>     |                           |                        | <i>Dol.</i>     |                           |                        | <i>Dol.</i> |                           |
| 1907                           | 81.4                   | (1)             | 0.170                      | 84.0                   | (1)             | 0.195                     | 84.0                   | (1)             | 0.300                      | 84.0                   | (1)             | 0.218                     | 84.0                   | (1)             | 0.165                     |                        |             |                           |
| 1913                           | 78.0                   | (1)             | .192                       | 82.3                   | (1)             | .217                      | 82.2                   | (1)             | .332                       | 82.0                   | (1)             | .235                      | 82.2                   | (1)             | .186                      |                        |             |                           |
| 1920                           | 75.5                   | (1)             | .627                       | 73.8                   | (1)             | .586                      | 73.2                   | (1)             | .868                       | 73.3                   | (1)             | .635                      | 74.5                   | (1)             | .522                      |                        |             |                           |
| 1924                           | 60.5                   | (1)             | .465                       | 57.7                   | (1)             | .548                      | 58.3                   | (1)             | .889                       | 57.1                   | (1)             | .379                      | 58.6                   | (1)             | .478                      |                        |             |                           |
| 1926                           | 60.1                   | (1)             | .465                       | 57.9                   | (1)             | .561                      | 58.5                   | (1)             | .902                       | 57.4                   | (1)             | .577                      | 60.1                   | (1)             | .471                      |                        |             |                           |
| 1929                           | 62.6                   | (1)             | .451                       | 58.5                   | (1)             | .552                      | 58.7                   | (1)             | .918                       | 57.7                   | (1)             | .579                      | 60.5                   | (1)             | .486                      |                        |             |                           |
| 1931                           | 57.2                   | 37.8            | .485                       | 55.3                   | 36.5            | .503                      | 55.8                   | 48.4            | .929                       | 55.2                   | 39.3            | .573                      | 58.2                   | 36.7            | .492                      |                        |             |                           |
| 1933 <sup>2</sup>              | 55.4                   | 19.0            | .374                       | 54.5                   | 22.0            | .430                      | 54.8                   | 42.3            | .727                       | 54.2                   | 24.0            | .436                      | 53.9                   | 21.2            | .332                      |                        |             |                           |
| 1937                           | ---                    | 59.7            | .438                       | ---                    | 38.8            | .580                      | ---                    | ---             | .906                       | ---                    | 40.2            | .572                      | ---                    | 58.7            | .498                      |                        |             |                           |
| 1939 <sup>2</sup>              | ---                    | 80.4            | .371                       | ---                    | 44.5            | .466                      | ---                    | 44.9            | .726                       | ---                    | 25.0            | .459                      | ---                    | 58.7            | .535                      |                        |             |                           |
| 1935                           | (1)                    | 33.6            | .492                       | (1)                    | 37.9            | .559                      | (1)                    | 44.8            | .902                       | (1)                    | 38.2            | .571                      | (1)                    | 37.2            | .502                      |                        |             |                           |
| Blast furnaces—Continued       |                        |                 |                            |                        |                 |                           |                        |                 |                            |                        |                 |                           |                        |                 |                           |                        |             |                           |
| Open-hearth furnaces           |                        |                 |                            |                        |                 |                           |                        |                 |                            |                        |                 |                           |                        |                 |                           |                        |             |                           |
| Laborers                       |                        |                 | General index <sup>3</sup> |                        |                 | Stockers                  |                        |                 | Charging-machine operators |                        |                 | Melters' helpers, first   |                        |                 |                           |                        |             |                           |
|                                |                        | <i>Dol.</i>     |                            |                        |                 |                           | <i>Dol.</i>            |                 | <i>Dol.</i>                |                        | <i>Dol.</i>     |                           |                        | <i>Dol.</i>     |                           |                        | <i>Dol.</i> |                           |
| 1907                           | 75.8                   | (1)             | 0.146                      | (1)                    | (1)             | (1)                       | (1)                    | (1)             | 0.177                      | (1)                    | (1)             | 0.204                     | (1)                    | (1)             | 0.416                     |                        |             |                           |
| 1910                           | 72.5                   | (1)             | .171                       | 100.0                  | (1)             | 100.0                     | 70.8                   | (1)             | .197                       | 78.0                   | (1)             | .335                      | 77.1                   | (1)             | .440                      |                        |             |                           |
| 1913                           | 72.3                   | (1)             | .474                       | 93.8                   | (1)             | .278.5                    | 70.9                   | (1)             | .573                       | 67.2                   | (1)             | .808                      | 69.4                   | (1)             | 1.080                     |                        |             |                           |
| 1924                           | 62.4                   | (1)             | .401                       | 77.6                   | (1)             | .253.7                    | 58.2                   | (1)             | .640                       | 56.3                   | (1)             | .863                      | 55.5                   | (1)             | 1.004                     |                        |             |                           |
| 1926                           | 62.4                   | (1)             | .389                       | 77.8                   | (1)             | .252.2                    | 57.8                   | (1)             | .535                       | 55.7                   | (1)             | .961                      | 55.3                   | (1)             | 1.170                     |                        |             |                           |
| 1929                           | 63.8                   | (1)             | .373                       | 78.9                   | (1)             | .257.6                    | 57.9                   | (1)             | .660                       | 56.2                   | (1)             | .958                      | 55.9                   | (1)             | 1.247                     |                        |             |                           |
| 1931                           | 59.5                   | 33.6            | .384                       | 74.4                   | (1)             | .268.8                    | 54.5                   | 39.1            | .627                       | 63.2                   | 37.6            | .870                      | 53.1                   | 36.5            | 1.239                     |                        |             |                           |
| 1933 <sup>2</sup>              | 57.2                   | 20.3            | .289                       | 71.7                   | (1)             | .217.1                    | 54.3                   | 22.3            | .376                       | 52.4                   | 22.9            | .629                      | 52.4                   | 19.7            | .807                      |                        |             |                           |
| 1937                           | ---                    | 59.7            | .388                       | ---                    | ---             | ---                       | ---                    | ---             | .586                       | ---                    | 38.3            | .877                      | ---                    | 50.4            | 1.233                     |                        |             |                           |
| 1939 <sup>2</sup>              | ---                    | 81.5            | .394                       | ---                    | ---             | ---                       | ---                    | ---             | .578                       | ---                    | 23.8            | .621                      | ---                    | 80.0            | .855                      |                        |             |                           |
| 1935                           | (1)                    | 34.6            | .422                       | (1)                    | (1)             | .286.3                    | (1)                    | 36.9            | .948                       | (1)                    | 30.1            | .912                      | (1)                    | 34.6            | 1.337                     |                        |             |                           |
| Open-hearth furnaces—Continued |                        |                 |                            |                        |                 |                           |                        |                 |                            |                        |                 |                           |                        |                 |                           |                        |             |                           |
| Bar mills                      |                        |                 |                            |                        |                 |                           |                        |                 |                            |                        |                 |                           |                        |                 |                           |                        |             |                           |
| Steel pourers                  |                        |                 | Ladle cranimen             |                        |                 | Laborers                  |                        |                 | General index <sup>3</sup> |                        |                 | Stockers                  |                        |                 |                           |                        |             |                           |
|                                |                        | <i>Dol.</i>     |                            |                        | <i>Dol.</i>     |                           | <i>Dol.</i>            |                 | <i>Dol.</i>                |                        |                 |                           |                        | <i>Dol.</i>     |                           |                        | <i>Dol.</i> |                           |
| 1907                           | (1)                    | (1)             | 0.308                      | (1)                    | (1)             | 0.204                     | (1)                    | (1)             | 0.167                      | (1)                    | (1)             | (1)                       | (1)                    | (1)             | 0.178                     |                        |             |                           |
| 1910                           | 75.3                   | (1)             | .370                       | 77.2                   | (1)             | .341                      | 74.5                   | (1)             | .187                       | 100.0                  | (1)             | 100.0                     | (1)                    | (1)             | .250                      |                        |             |                           |
| 1913                           | 77.0                   | (1)             | .929                       | 68.3                   | (1)             | .837                      | 68.5                   | (1)             | .525                       | 89.6                   | (1)             | .283.1                    | 61.5                   | (1)             | .612                      |                        |             |                           |
| 1924                           | 59.5                   | (1)             | .837                       | 55.2                   | (1)             | .832                      | 60.0                   | (1)             | .434                       | 75.6                   | (1)             | .267.0                    | 56.0                   | (1)             | .502                      |                        |             |                           |
| 1926                           | 55.6                   | (1)             | .889                       | 64.9                   | (1)             | .900                      | 60.2                   | (1)             | .429                       | 74.4                   | (1)             | .285.7                    | 54.2                   | (1)             | .519                      |                        |             |                           |
| 1929                           | 56.3                   | (1)             | .927                       | 56.8                   | (1)             | .941                      | 60.5                   | (1)             | .433                       | 75.2                   | (1)             | .301.3                    | 53.5                   | (1)             | .530                      |                        |             |                           |
| 1931                           | 53.5                   | 38.1            | .851                       | 53.2                   | 37.7            | .846                      | 57.5                   | 31.7            | .436                       | 70.1                   | (1)             | .296.6                    | 54.2                   | 31.7            | .455                      |                        |             |                           |
| 1933 <sup>2</sup>              | 53.1                   | 24.6            | .575                       | 52.4                   | 20.5            | .566                      | 54.9                   | 15.7            | .330                       | 60.5                   | (1)             | .216.5                    | 52.2                   | 15.8            | .326                      |                        |             |                           |
| 1937                           | ---                    | 40.9            | .845                       | ---                    | 59.0            | .842                      | ---                    | 55.5            | .441                       | ---                    | ---             | ---                       | ---                    | 52.9            | .455                      |                        |             |                           |
| 1939 <sup>2</sup>              | ---                    | 86.1            | .575                       | ---                    | 81.5            | .862                      | ---                    | 16.3            | .555                       | ---                    | ---             | ---                       | ---                    | 18.0            | .858                      |                        |             |                           |
| 1935                           | (1)                    | 36.3            | .909                       | (1)                    | 36.4            | .860                      | (1)                    | 30.5            | .460                       | (1)                    | (1)             | .307.6                    | (1)                    | 24.5            | .504                      |                        |             |                           |
| Bar mills—Continued            |                        |                 |                            |                        |                 |                           |                        |                 |                            |                        |                 |                           |                        |                 |                           |                        |             |                           |
| Rollers                        |                        |                 | Roughers                   |                        |                 | Finishers                 |                        |                 | Hotbed men                 |                        |                 | Laborers                  |                        |                 |                           |                        |             |                           |
|                                |                        | <i>Dol.</i>     |                            |                        | <i>Dol.</i>     |                           | <i>Dol.</i>            |                 | <i>Dol.</i>                |                        | <i>Dol.</i>     |                           |                        | <i>Dol.</i>     |                           |                        | <i>Dol.</i> |                           |
| 1907                           | 65.5                   | (1)             | 1.013                      | 61.5                   | (1)             | 0.434                     | 65.9                   | (1)             | 0.309                      | 63.3                   | (1)             | 0.189                     | 68.3                   | (1)             | 0.153                     |                        |             |                           |
| 1910                           | 62.4                   | (1)             | .928                       | 61.0                   | (1)             | .492                      | 64.0                   | (1)             | .323                       | 62.9                   | (1)             | .200                      | 67.8                   | (1)             | .160                      |                        |             |                           |
| 1913                           | 56.3                   | (1)             | .985                       | 58.8                   | (1)             | .430                      | 59.6                   | (1)             | .350                       | 60.3                   | (1)             | .217                      | 62.5                   | (1)             | .199                      |                        |             |                           |
| 1924                           | 56.5                   | (1)             | 1.040                      | 57.8                   | (1)             | 1.034                     | 60.0                   | (1)             | .806                       | 58.8                   | (1)             | .618                      | 65.1                   | (1)             | .508                      |                        |             |                           |
| 1926                           | 53.9                   | (1)             | 1.577                      | 54.7                   | (1)             | .810                      | 54.0                   | (1)             | .749                       | 53.8                   | (1)             | .538                      | 57.5                   | (1)             | .362                      |                        |             |                           |
| 1929                           | 52.2                   | (1)             | 1.690                      | 53.2                   | (1)             | .847                      | 53.0                   | (1)             | .848                       | 53.0                   | (1)             | .580                      | 55.0                   | (1)             | .411                      |                        |             |                           |
| 1931                           | 55.0                   | (1)             | 1.822                      | 55.8                   | (1)             | .887                      | 53.9                   | (1)             | .952                       | 54.5                   | (1)             | .601                      | 56.0                   | (1)             | .399                      |                        |             |                           |
| 1933 <sup>2</sup>              | 54.4                   | 37.8            | 1.542                      | 56.7                   | 32.8            | .791                      | 54.4                   | 31.5            | .894                       | 54.1                   | 27.9            | .578                      | 54.2                   | 28.1            | .394                      |                        |             |                           |
| 1937                           | ---                    | 53.8            | .995                       | 55.8                   | 17.9            | .630                      | 55.0                   | 17.7            | .300                       | 55.5                   | 15.2            | .340                      | ---                    | 14.6            | .365                      |                        |             |                           |
| 1939 <sup>2</sup>              | ---                    | 84.4            | 1.539                      | ---                    | 33.7            | .878                      | ---                    | 54.0            | .848                       | ---                    | 29.9            | .572                      | ---                    | 30.2            | .398                      |                        |             |                           |
| 1935                           | (1)                    | 33.8            | 1.526                      | (1)                    | 30.5            | .828                      | (1)                    | 29.1            | .856                       | (1)                    | 28.5            | .557                      | (1)                    | 27.8            | .416                      |                        |             |                           |

For footnotes, see p. 320.

## No. 355.—AVERAGE HOURS AND EARNINGS IN MANUFACTURING INDUSTRIES—Continued

| Year                                                            | Average hours per week |                   | Average earnings per hour | Average hours per week |                   | Average earnings per hour | Average hours per week     |                   | Average earnings per hour | Average hours per week             |                   | Average earnings per hour  | Average hours per week |                   | Average earnings per hour |
|-----------------------------------------------------------------|------------------------|-------------------|---------------------------|------------------------|-------------------|---------------------------|----------------------------|-------------------|---------------------------|------------------------------------|-------------------|----------------------------|------------------------|-------------------|---------------------------|
|                                                                 | Full time              | Actu-ally work-ed |                           | Full time              | Actu-ally work-ed |                           | Full time                  | Actu-ally work-ed |                           | Full time                          | Actu-ally work-ed |                            | Full time              | Actu-ally work-ed |                           |
| IRON AND STEEL <sup>11</sup> —Continued                         |                        |                   |                           |                        |                   |                           |                            |                   |                           |                                    |                   |                            |                        |                   |                           |
| Bar mills—Contd.                                                |                        |                   |                           | Tin-plate mills        |                   |                           |                            |                   |                           |                                    |                   |                            |                        |                   |                           |
| General index <sup>5</sup>                                      |                        |                   |                           | Rollers                |                   |                           | Roughers                   |                   |                           | Doublers, mechanical <sup>12</sup> |                   |                            | Heaters, level-handed  |                   |                           |
|                                                                 | (1)                    | (1)               | (1)                       | (1)                    | (1)               | Dol.                      | (1)                        | (1)               | Dol.                      | (1)                                | (1)               | Dol.                       | (1)                    | (1)               | Dol.                      |
| 1907                                                            | (1)                    | (1)               | (1)                       | (1)                    | (1)               | 1.025                     | (1)                        | (1)               | 0.425                     | (1)                                | (1)               | 0.632                      | (1)                    | (1)               | (1)                       |
| 1910                                                            | (1)                    | (1)               | (1)                       | (1)                    | (1)               | 1.139                     | (1)                        | (1)               | 0.533                     | (1)                                | (1)               | 0.740                      | (1)                    | (1)               | 0.605                     |
| 1913                                                            | 100.0                  | (1)               | 100.0                     | 42.7                   | (1)               | 2.542                     | 42.7                       | (1)               | 1.363                     | 42.7                               | (1)               | 1.655                      | 42.7                   | (1)               | 1.465                     |
| 1920                                                            | 100.5                  | (1)               | 247.6                     | 42.7                   | (1)               | 2.069                     | 42.7                       | (1)               | 1.150                     | 42.7                               | (1)               | 1.243                      | 42.7                   | (1)               | 1.229                     |
| 1924                                                            | 90.4                   | (1)               | 203.1                     | 42.7                   | (1)               | 1.635                     | 42.7                       | (1)               | 0.902                     | 42.7                               | (1)               | 0.787                      | 42.7                   | (1)               | 0.617                     |
| 1926                                                            | 88.9                   | (1)               | 205.2                     | 42.7                   | (1)               | 1.778                     | 42.7                       | (1)               | 1.014                     | 42.7                               | (1)               | 0.679                      | 42.7                   | (1)               | 0.982                     |
| 1929                                                            | 90.4                   | (1)               | 217.0                     | 42.7                   | (1)               | 1.737                     | 42.7                       | 32.4              | 0.989                     | 42.7                               | 34.7              | 0.749                      | 42.7                   | 35.4              | 0.942                     |
| 1931                                                            | 89.4                   | (1)               | 204.2                     | 42.7                   | 28.6              | 1.250                     | 42.6                       | 23.8              | 0.709                     | 42.6                               | 27.2              | 0.544                      | 42.6                   | 30.9              | 0.721                     |
| 1933 <sup>1</sup>                                               | 88.0                   | (1)               | 147.6                     | 42.6                   | (1)               | 1.689                     | ---                        | ---               | 0.956                     | ---                                | ---               | 0.717                      | ---                    | ---               | 0.938                     |
| 1935 <sup>2</sup>                                               | ---                    | ---               | ---                       | ---                    | ---               | 31.0                      | ---                        | ---               | 38.1                      | ---                                | ---               | 30.3                       | ---                    | ---               | 34.6                      |
| 1935                                                            | (1)                    | (1)               | 222.9                     | (1)                    | 37.6              | 1.585                     | (1)                        | 38.0              | 0.908                     | (1)                                | 38.6              | 0.691                      | (1)                    | 39.0              | 0.889                     |
| Tin-plate mills—Continued                                       |                        |                   |                           |                        |                   |                           |                            |                   |                           | Sheet mills                        |                   |                            |                        |                   |                           |
| Tinners, hand                                                   |                        |                   |                           | Assorters, female      |                   |                           | General index <sup>5</sup> |                   |                           | Sheet heaters                      |                   |                            | Rollers, hand mills    |                   |                           |
|                                                                 | (1)                    | (1)               | Dol.                      | (1)                    | (1)               | Dol.                      | (1)                        | (1)               | (1)                       | (1)                                | (1)               | Dol.                       | (1)                    | (1)               | Dol.                      |
| 1910                                                            | 42.9                   | (1)               | 0.402                     | 49.7                   | (1)               | 0.128                     | (1)                        | (1)               | 100.0                     | 42.7                               | (1)               | 0.883                      | 42.7                   | (1)               | 1.242                     |
| 1913                                                            | 43.6                   | (1)               | 0.433                     | 53.7                   | (1)               | 0.103                     | 100.0                      | (1)               | 100.0                     | 42.8                               | (1)               | 0.993                      | 42.8                   | (1)               | 1.470                     |
| 1920                                                            | 42.9                   | (1)               | 1.114                     | 46.9                   | (1)               | 0.405                     | 109.8                      | (1)               | 227.6                     | 43.4                               | (1)               | 2.161                      | 43.4                   | (1)               | 2.976                     |
| 1924                                                            | 43.4                   | (1)               | 0.976                     | 43.6                   | (1)               | 0.422                     | 105.9                      | (1)               | 190.6                     | 43.4                               | (1)               | 1.550                      | 43.4                   | (1)               | 2.148                     |
| 1926                                                            | 43.5                   | (1)               | 0.840                     | 43.4                   | (1)               | 0.384                     | 104.3                      | (1)               | 168.8                     | 43.3                               | (1)               | 1.404                      | 43.3                   | (1)               | 1.956                     |
| 1929                                                            | 42.7                   | (1)               | 0.907                     | 46.1                   | (1)               | 0.309                     | 102.8                      | (1)               | 175.5                     | 43.3                               | (1)               | 1.432                      | 43.4                   | (1)               | 1.979                     |
| 1931                                                            | 42.7                   | 33.9              | 0.899                     | 46.5                   | 38.1              | 0.380                     | 102.0                      | (1)               | 171.2                     | 43.5                               | 24.6              | 1.287                      | 43.5                   | 24.1              | 1.811                     |
| 1933 <sup>1</sup>                                               | 43.8                   | 34.1              | 0.654                     | 46.2                   | 38.9              | 0.295                     | 101.7                      | (1)               | 124.0                     | 43.4                               | 16.9              | 0.828                      | 42.3                   | 18.1              | 1.209                     |
| 1935 <sup>2</sup>                                               | ---                    | ---               | ---                       | ---                    | ---               | ---                       | ---                        | ---               | ---                       | ---                                | ---               | ---                        | ---                    | ---               | ---                       |
| 1935                                                            | (1)                    | 36.3              | 0.854                     | (1)                    | 36.3              | 0.411                     | (1)                        | (1)               | 173.6                     | (1)                                | 35.4              | 1.188                      | (1)                    | 33.7              | 1.742                     |
| Sheet mills—Continued                                           |                        |                   |                           |                        |                   |                           |                            |                   |                           |                                    |                   |                            |                        |                   |                           |
| Roughers                                                        |                        |                   | Shearmen                  |                        |                   | Openers                   |                            |                   | Laborers                  |                                    |                   | General index <sup>5</sup> |                        |                   |                           |
|                                                                 | (1)                    | (1)               | Dol.                      | (1)                    | (1)               | Dol.                      | (1)                        | (1)               | Dol.                      | (1)                                | (1)               | (1)                        | (1)                    | (1)               | (1)                       |
| 1910                                                            | 42.7                   | (1)               | 0.558                     | 46.0                   | (1)               | 0.689                     | 46.0                       | (1)               | 0.274                     | 63.1                               | (1)               | 0.164                      | (1)                    | (1)               | (1)                       |
| 1913                                                            | 42.8                   | (1)               | 0.642                     | 42.9                   | (1)               | 0.814                     | 45.4                       | (1)               | 0.279                     | 64.9                               | (1)               | 0.190                      | 100.0                  | (1)               | 100.0                     |
| 1920                                                            | 43.4                   | (1)               | 1.554                     | 43.5                   | (1)               | 1.891                     | 44.0                       | (1)               | 1.183                     | 59.5                               | (1)               | 0.536                      | 96.2                   | (1)               | 216.1                     |
| 1924                                                            | 43.4                   | (1)               | 1.150                     | 43.7                   | (1)               | 1.289                     | 43.5                       | (1)               | 0.806                     | 64.6                               | (1)               | 0.420                      | 90.0                   | (1)               | 167.5                     |
| 1926                                                            | 43.3                   | (1)               | 1.037                     | 43.6                   | (1)               | 1.222                     | 43.5                       | (1)               | 0.741                     | 56.6                               | (1)               | 0.475                      | 93.5                   | (1)               | 167.1                     |
| 1929                                                            | 43.4                   | (1)               | 1.067                     | 43.5                   | (1)               | 1.227                     | 43.2                       | (1)               | 0.754                     | 60.7                               | (1)               | 0.429                      | 93.5                   | (1)               | 164.2                     |
| 1931                                                            | 43.6                   | 23.5              | 0.952                     | 43.5                   | 26.3              | 1.052                     | 43.8                       | 20.0              | 0.659                     | 57.7                               | 31.0              | 0.428                      | 91.4                   | (1)               | 154.7                     |
| 1933 <sup>1</sup>                                               | 40.5                   | 16.0              | 0.744                     | 41.9                   | 20.8              | 0.702                     | 38.4                       | 16.2              | 0.442                     | 54.2                               | 23.8              | 0.350                      | 89.7                   | (1)               | 97.7                      |
| 1935 <sup>2</sup>                                               | ---                    | ---               | ---                       | ---                    | ---               | ---                       | ---                        | ---               | ---                       | ---                                | ---               | ---                        | ---                    | ---               | ---                       |
| 1935                                                            | (1)                    | 33.7              | 1.104                     | (1)                    | 34.9              | 1.059                     | (1)                        | 37.0              | 0.720                     | (1)                                | 37.3              | 0.449                      | (1)                    | (1)               | 145.1                     |
| GENERAL INDEXES FOR OTHER BRANCHES—IRON AND STEEL <sup>13</sup> |                        |                   |                           |                        |                   |                           |                            |                   |                           |                                    |                   |                            |                        |                   |                           |
| Bessemer converters                                             |                        |                   | Puddling mills            |                        |                   | Blooming mills            |                            |                   | Plate mills               |                                    |                   | Standard-rail mills        |                        |                   |                           |
|                                                                 | (1)                    | (1)               | (1)                       | (1)                    | (1)               | (1)                       | (1)                        | (1)               | (1)                       | (1)                                | (1)               | (1)                        | (1)                    | (1)               | (1)                       |
| 1913 <sup>14</sup>                                              | 100.0                  | (1)               | 100.0                     | 100.0                  | (1)               | 100.0                     | 100.0                      | (1)               | 100.0                     | 100.0                              | (1)               | 100.0                      | (1)                    | (1)               | 100.0                     |
| 1920                                                            | 100.4                  | (1)               | 238.4                     | 101.3                  | (1)               | 269.8                     | 92.5                       | (1)               | 248.7                     | 98.4                               | (1)               | 263.1                      | 86.3                   | (1)               | 248.8                     |
| 1924                                                            | 74.7                   | (1)               | 219.7                     | 104.7                  | (1)               | 219.8                     | 74.8                       | (1)               | 231.3                     | 81.8                               | (1)               | 220.4                      | 81.0                   | (1)               | 225.6                     |
| 1926                                                            | 75.1                   | (1)               | 225.7                     | 97.9                   | (1)               | 200.3                     | 74.2                       | (1)               | 236.6                     | 79.8                               | (1)               | 237.6                      | 78.3                   | (1)               | 234.3                     |
| 1929                                                            | 76.7                   | (1)               | 226.4                     | 94.5                   | (1)               | 209.1                     | 75.3                       | (1)               | 251.3                     | 83.0                               | (1)               | 250.6                      | 79.0                   | (1)               | 247.2                     |
| 1931                                                            | 76.1                   | (1)               | 233.8                     | 96.6                   | (1)               | 180.5                     | 72.1                       | (1)               | 250.6                     | 81.1                               | (1)               | 245.9                      | 77.4                   | (1)               | 241.3                     |
| 1933 <sup>1</sup>                                               | 75.3                   | (1)               | 172.9                     | 99.2                   | (1)               | 144.5                     | 71.9                       | (1)               | 184.2                     | 76.5                               | (1)               | 176.1                      | 75.0                   | (1)               | 205.5                     |
| 1935                                                            | (1)                    | (1)               | 231.7                     | (1)                    | (1)               | 188.7                     | (1)                        | (1)               | 251.3                     | (1)                                | (1)               | 244.3                      | (1)                    | (1)               | 263.0                     |

For footnotes, see p. 320.

## No. 355.—AVERAGE HOURS AND EARNINGS IN MANUFACTURING INDUSTRIES—Continued

| Year                                      | Average hours per week |                 | Average earnings per hour           | Average hours per week |                 | Average earnings per hour                      | Average hours per week |                 | Average earnings per hour                 | Average hours per week |                 | Average earnings per hour       | Average hours per week |                 | Average earnings per hour |
|-------------------------------------------|------------------------|-----------------|-------------------------------------|------------------------|-----------------|------------------------------------------------|------------------------|-----------------|-------------------------------------------|------------------------|-----------------|---------------------------------|------------------------|-----------------|---------------------------|
|                                           | Full time              | Actually worked |                                     | Full time              | Actually worked |                                                | Full time              | Actually worked |                                           | Full time              | Actually worked |                                 | Full time              | Actually worked |                           |
| MOTOR VEHICLES                            |                        |                 |                                     |                        |                 |                                                |                        |                 |                                           |                        |                 |                                 |                        |                 |                           |
| Machinists, male                          |                        |                 | Gear-cutter operators, male         |                        |                 | Grinding-machine operators, male <sup>1a</sup> |                        |                 | Sewers and trim bench hands, female       |                        |                 | Top builders and trimmers, male |                        |                 |                           |
|                                           |                        | Dol.            |                                     |                        | Dol.            |                                                |                        | Dol.            |                                           |                        | Dol.            |                                 |                        | Dol.            |                           |
| 1922.....                                 | 50.0                   | (1)             | 0.715                               | 50.2                   | (1)             | 0.678                                          | 50.0                   | (1)             | 0.710                                     | 50.5                   | (1)             | 0.442                           | 50.8                   | (1)             | 0.778                     |
| 1925.....                                 | 50.0                   | (1)             | .806                                | 50.6                   | (1)             | .746                                           | 50.1                   | (1)             | .765                                      | 50.7                   | (1)             | .472                            | 50.6                   | (1)             | .808                      |
| 1928.....                                 | 47.9                   | 49.5            | .844                                | 49.5                   | 50.1            | .760                                           | 48.8                   | 48.0            | .792                                      | 51.0                   | 37.5            | .513                            | 49.6                   | 41.0            | .840                      |
| 1930.....                                 | 46.9                   | 36.6            | .851                                | 48.3                   | 34.8            | .740                                           | 47.6                   | 33.3            | .780                                      | 51.2                   | 31.2            | .461                            | 50.0                   | 31.8            | .751                      |
| 1932.....                                 | 47.9                   | 38.3            | .793                                | 48.7                   | 38.0            | .623                                           | 47.7                   | 31.7            | .669                                      | 51.3                   | 34.4            | .366                            | 49.0                   | 33.0            | .603                      |
| 1934 & 1935.....                          | (1)                    | 40.7            | .790                                | (1)                    | 37.4            | .778                                           | (1)                    | 38.6            | .764                                      | (1)                    | 37.8            | .510                            | (1)                    | 39.8            | .769                      |
| 1934 & 1935.....                          | (1)                    | 37.5            | .803                                | (1)                    | 31.5            | .755                                           | (1)                    | 33.9            | .770                                      | (1)                    | 27.9            | .531                            | (1)                    | 30.2            | .784                      |
| Assemblers, motor and transmission, male  |                        |                 | Assemblers, chassis and final, male |                        |                 | Tool and die makers, male                      |                        |                 | Employees in all occupations <sup>5</sup> |                        |                 |                                 |                        |                 |                           |
|                                           |                        |                 |                                     |                        |                 |                                                |                        |                 | Males                                     |                        |                 | Females                         |                        |                 |                           |
|                                           |                        | Dol.            |                                     |                        | Dol.            |                                                |                        | Dol.            |                                           |                        | Dol.            |                                 |                        | Dol.            |                           |
| 1922.....                                 | 50.0                   | (1)             | 0.661                               | 50.3                   | (1)             | 0.644                                          | 50.0                   | (1)             | 0.769                                     | 50.1                   | (1)             | 0.662                           | 50.3                   | (1)             | 0.438                     |
| 1925.....                                 | 49.8                   | (1)             | .747                                | 50.0                   | (1)             | .721                                           | 50.2                   | (1)             | .875                                      | 50.3                   | (1)             | .729                            | 50.1                   | (1)             | .467                      |
| 1928.....                                 | 50.1                   | 47.1            | .762                                | 49.7                   | 43.7            | .768                                           | 48.8                   | 61.0            | .919                                      | 49.4                   | 47.0            | .759                            | 50.3                   | 41.1            | .487                      |
| 1930.....                                 | 48.8                   | 31.8            | .725                                | 48.0                   | 32.6            | .681                                           | 49.9                   | 42.9            | .887                                      | 48.7                   | 34.6            | .733                            | 50.0                   | 31.8            | .436                      |
| 1932.....                                 | 48.4                   | 29.3            | .632                                | 49.0                   | 26.9            | .670                                           | 47.0                   | 39.4            | .785                                      | 48.3                   | 31.9            | .638                            | 50.5                   | 30.7            | .301                      |
| 1934 & 1935.....                          | (1)                    | 38.4            | .745                                | (1)                    | 37.6            | .720                                           | (1)                    | 39.2            | .899                                      | (1)                    | 39.1            | .727                            | (1)                    | 38.2            | .619                      |
| 1934 & 1935.....                          | (1)                    | 32.3            | .783                                | (1)                    | 31.1            | .733                                           | (1)                    | 40.8            | .933                                      | (1)                    | 34.1            | .742                            | (1)                    | 34.6            | .631                      |
| FOUNDRIES                                 |                        |                 |                                     |                        |                 |                                                |                        |                 |                                           |                        |                 |                                 |                        |                 |                           |
| Pattern makers, male                      |                        |                 | Core makers, male                   |                        |                 | Core makers, female                            |                        |                 | Laborers, male                            |                        |                 | Molders, hand, floor, male      |                        |                 |                           |
|                                           |                        | Dol.            |                                     |                        | Dol.            |                                                |                        | Dol.            |                                           |                        | Dol.            |                                 |                        | Dol.            |                           |
| 1923.....                                 | 51.1                   | (1)             | 0.750                               | 51.4                   | (1)             | 0.690                                          | 49.2                   | (1)             | 0.431                                     | 53.5                   | (1)             | 0.428                           | 51.2                   | (1)             | 0.729                     |
| 1925.....                                 | 50.4                   | (1)             | .804                                | 50.3                   | (1)             | .734                                           | 48.6                   | (1)             | .444                                      | 52.5                   | (1)             | .481                            | 50.4                   | (1)             | .502                      |
| 1927.....                                 | 50.3                   | 47.7            | .830                                | 50.4                   | 44.3            | .755                                           | 48.4                   | 40.6            | .491                                      | 52.1                   | 47.9            | .491                            | 49.0                   | 43.8            | .320                      |
| 1929.....                                 | 50.1                   | 48.9            | .833                                | 49.9                   | 46.9            | .744                                           | 49.1                   | 41.6            | .469                                      | 52.1                   | 50.2            | .490                            | 50.0                   | 45.6            | .828                      |
| 1931.....                                 | 49.3                   | 39.8            | .834                                | 50.0                   | 31.2            | .706                                           | 48.6                   | 31.2            | .430                                      | 50.8                   | 33.6            | .460                            | 50.0                   | 29.6            | .752                      |
| 1933.....                                 | 49.2                   | 38.9            | .652                                | 49.0                   | 29.8            | .650                                           | 48.1                   | 31.5            | .324                                      | 50.0                   | 27.8            | .378                            | 48.9                   | 25.7            | .612                      |
| FOUNDRIES—Continued                       |                        |                 |                                     |                        |                 |                                                |                        | MACHINE SHOPS   |                                           |                        |                 |                                 |                        |                 |                           |
| Employees in all occupations <sup>4</sup> |                        |                 |                                     |                        |                 | Lathe operators, engine, male                  |                        |                 | Machinists, male                          |                        |                 | Fitters and bench hands, male   |                        |                 |                           |
|                                           |                        |                 |                                     |                        |                 |                                                |                        |                 |                                           |                        |                 |                                 |                        |                 |                           |
|                                           |                        | Dol.            |                                     |                        | Dol.            |                                                |                        | Dol.            |                                           |                        | Dol.            |                                 |                        | Dol.            |                           |
| 1923.....                                 | 52.4                   | (1)             | 0.590                               | 49.3                   | (1)             | 0.404                                          | 50.9                   | (1)             | 0.633                                     | 50.0                   | (1)             | 0.683                           | 49.9                   | (1)             | 0.616                     |
| 1925.....                                 | 51.5                   | (1)             | .612                                | 49.0                   | (1)             | .427                                           | 50.3                   | (1)             | .693                                      | 49.9                   | (1)             | .702                            | 49.8                   | (1)             | .643                      |
| 1927.....                                 | 51.1                   | 45.6            | .626                                | 49.0                   | 41.2            | .459                                           | 50.2                   | 43.0            | .695                                      | 49.5                   | 47.7            | .728                            | 49.5                   | 48.1            | .662                      |
| 1929.....                                 | 51.0                   | 48.8            | .625                                | 49.7                   | 42.3            | .451                                           | 50.3                   | 50.2            | .717                                      | 49.8                   | 50.2            | .739                            | 49.8                   | 50.6            | .677                      |
| 1931.....                                 | 50.3                   | 33.5            | .601                                | 49.7                   | 29.4            | .422                                           | 50.0                   | 36.8            | .706                                      | 49.0                   | 40.4            | .733                            | 49.5                   | 38.0            | .606                      |
| 1933.....                                 | 49.5                   | 29.6            | .433                                | 48.3                   | 30.2            | .314                                           | 48.8                   | 33.5            | .578                                      | 48.3                   | 36.7            | .606                            | 48.5                   | 33.7            | .562                      |
| MACHINE SHOPS—Continued                   |                        |                 |                                     |                        |                 |                                                |                        |                 |                                           |                        |                 |                                 |                        |                 |                           |
| Assemblers, male                          |                        |                 | Laborers, male                      |                        |                 | Tool makers, male                              |                        |                 | Employees in all occupations <sup>4</sup> |                        |                 |                                 |                        |                 |                           |
|                                           |                        |                 |                                     |                        |                 |                                                |                        |                 | Males                                     |                        |                 | Females                         |                        |                 |                           |
|                                           |                        | Dol.            |                                     |                        | Dol.            |                                                |                        | Dol.            |                                           |                        | Dol.            |                                 |                        | Dol.            |                           |
| 1923.....                                 | 50.6                   | (1)             | 0.575                               | 51.1                   | (1)             | 0.418                                          | 50.4                   | (1)             | 0.693                                     | 50.8                   | (1)             | 0.590                           | 49.1                   | (1)             | 0.366                     |
| 1925.....                                 | 49.6                   | (1)             | .634                                | 50.6                   | (1)             | .456                                           | 50.0                   | (1)             | .727                                      | 50.4                   | (1)             | .604                            | 49.3                   | (1)             | .420                      |
| 1927.....                                 | 50.1                   | 47.9            | .653                                | 50.4                   | 48.6            | .456                                           | 49.7                   | 48.5            | .756                                      | 50.1                   | 48.3            | .629                            | 48.9                   | 44.8            | .403                      |
| 1929.....                                 | 50.1                   | 49.7            | .657                                | 50.5                   | 50.5            | .489                                           | 50.0                   | 50.4            | .780                                      | 50.3                   | 50.4            | .641                            | 49.3                   | 46.1            | .399                      |
| 1931.....                                 | 49.9                   | 37.9            | .656                                | 50.3                   | 38.6            | .455                                           | 49.4                   | 41.9            | .758                                      | 49.8                   | 38.2            | .637                            | 49.2                   | 38.8            | .405                      |
| 1933.....                                 | 48.3                   | 34.0            | .558                                | 48.8                   | 33.0            | .379                                           | 48.6                   | 36.8            | .643                                      | 48.5                   | 34.6            | .545                            | 47.4                   | 34.2            | .351                      |

For footnotes, see p. 320.

## No. 355.—AVERAGE HOURS AND EARNINGS IN MANUFACTURING INDUSTRIES—Continued

| Year                                                           | Average hours per week |                   | Average earnings per hour                 | Average hours per week |                   | Average earnings per hour              | Average hours per week |                   | Average earnings per hour                      | Average hours per week |                   | Average earnings per hour  | Average hours per week |                   | Average earnings per hour |
|----------------------------------------------------------------|------------------------|-------------------|-------------------------------------------|------------------------|-------------------|----------------------------------------|------------------------|-------------------|------------------------------------------------|------------------------|-------------------|----------------------------|------------------------|-------------------|---------------------------|
|                                                                | Full time              | Actu-ally work-ed |                                           | Full time              | Actu-ally work-ed |                                        | Full time              | Actu-ally work-ed |                                                | Full time              | Actu-ally work-ed |                            | Full time              | Actu-ally work-ed |                           |
| LUMBER (SAWMILLS)                                              |                        |                   |                                           |                        |                   |                                        |                        |                   |                                                |                        |                   |                            |                        |                   |                           |
| Setters                                                        |                        |                   | Sawyers, head, band                       |                        |                   | Edgermen                               |                        |                   | Laborers                                       |                        |                   | General index <sup>4</sup> |                        |                   |                           |
| Dol.                                                           |                        |                   | Dol.                                      |                        |                   | Dol.                                   |                        |                   | Dol.                                           |                        |                   |                            |                        |                   |                           |
| 1907                                                           | (1)                    | (1)               | (1)                                       | 80.8                   | (1)               | 0.490                                  | 60.7                   | (1)               | 0.254                                          | 60.5                   | (1)               | 0.183                      | (1)                    | (1)               | (1)                       |
| 1910                                                           | (1)                    | (1)               | (1)                                       | 81.2                   | (1)               | .543                                   | 61.2                   | (1)               | .255                                           | 61.3                   | (1)               | .169                       | 100.3                  | (1)               | 97.8                      |
| 1913                                                           | 61.0                   | (1)               | 0.258                                     | 80.9                   | (1)               | .557                                   | 61.0                   | (1)               | .268                                           | 61.1                   | (1)               | .171                       | 100.0                  | (1)               | 100.0                     |
| 1915                                                           | 61.2                   | (1)               | .239                                      | 81.0                   | (1)               | .539                                   | 61.0                   | (1)               | .252                                           | 61.3                   | (1)               | .157                       | 100.0                  | (1)               | 91.4                      |
| 1919                                                           | 57.0                   | (1)               | .446                                      | 57.5                   | (1)               | .768                                   | 57.5                   | (1)               | .450                                           | 57.1                   | (1)               | .345                       | 91.8                   | (1)               | 194.6                     |
| 1921                                                           | 57.6                   | (1)               | .412                                      | 57.8                   | (1)               | .797                                   | 57.5                   | (1)               | .437                                           | 57.2                   | (1)               | .285                       | 93.6                   | (1)               | 166.5                     |
| 1923                                                           | 57.0                   | (1)               | .474                                      | 57.0                   | (1)               | .883                                   | 57.1                   | (1)               | .492                                           | 57.5                   | (1)               | .310                       | 93.8                   | (1)               | 180.5                     |
| 1925                                                           | 57.5                   | (1)               | .458                                      | 57.7                   | (1)               | .877                                   | 57.8                   | (1)               | .468                                           | 57.5                   | (1)               | .309                       | 93.8                   | (1)               | 178.0                     |
| 1928                                                           | 56.5                   | 52.7              | .498                                      | 55.7                   | 54.4              | .887                                   | 56.7                   | 52.3              | .470                                           | 56.9                   | 49.6              | .303                       | 91.3                   | (1)               | 184.9                     |
| 1930                                                           | 56.5                   | 43.8              | .451                                      | 55.9                   | 49.7              | .886                                   | 56.4                   | 49.4              | .461                                           | 56.8                   | 48.8              | .291                       | 91.2                   | (1)               | 179.0                     |
| 1932                                                           | 56.8                   | 40.5              | .319                                      | 55.6                   | 40.0              | .652                                   | 55.7                   | 40.9              | .324                                           | 55.0                   | 38.0              | .205                       | 90.0                   | (1)               | 127.6                     |
| FURNITURE                                                      |                        |                   |                                           |                        |                   |                                        |                        |                   |                                                |                        |                   |                            |                        |                   |                           |
| Machine hands, male                                            |                        |                   | Veneerers, male                           |                        |                   | Assemblers and cabinet makers, male    |                        |                   | Upholsterers, male                             |                        |                   | General index <sup>4</sup> |                        |                   |                           |
| Dol.                                                           |                        |                   | Dol.                                      |                        |                   | Dol.                                   |                        |                   | Dol.                                           |                        |                   |                            |                        |                   |                           |
| 1907                                                           | 58.2                   | (1)               | 0.211                                     | (1)                    | (1)               | 1856.7                                 | (1)                    | 180.235           | 53.6                                           | (1)                    | 0.300             | (1)                        | (1)                    | (1)               | (1)                       |
| 1910                                                           | 58.7                   | (1)               | .212                                      | 58.8                   | (1)               | 0.200                                  | 58.0                   | (1)               | .238                                           | 55.0                   | (1)               | .287                       | 101.4                  | (1)               | 98.6                      |
| 1912                                                           | 58.5                   | (1)               | .211                                      | 58.3                   | (1)               | .213                                   | 58.1                   | (1)               | .223                                           | 56.4                   | (1)               | .291                       | 101.4                  | (1)               | 97.3                      |
| 1915                                                           | 57.8                   | (1)               | .217                                      | 57.3                   | (1)               | .217                                   | 57.2                   | (1)               | .227                                           | 56.2                   | (1)               | .295                       | 100.0                  | (1)               | 100.0                     |
| 1919                                                           | 57.5                   | (1)               | .223                                      | 57.0                   | (1)               | .218                                   | 57.1                   | (1)               | .235                                           | 55.3                   | (1)               | .312                       | 99.5                   | (1)               | 103.2                     |
| 1929                                                           | 52.4                   | 51.4              | .512                                      | 52.5                   | 52.7              | .454                                   | 52.1                   | 50.8              | .560                                           | 50.1                   | 46.5              | .724                       | 89.9                   | (1)               | 236.3                     |
| 1931                                                           | 52.1                   | 41.5              | .428                                      | 52.5                   | 43.4              | .376                                   | 51.9                   | 42.0              | .445                                           | 50.3                   | 34.5              | .538                       | 89.8                   | (1)               | 198.2                     |
| BAKERIES <sup>5</sup>                                          |                        |                   |                                           |                        |                   |                                        |                        |                   |                                                |                        |                   |                            |                        |                   |                           |
| Bread department                                               |                        |                   |                                           |                        |                   |                                        |                        |                   |                                                |                        |                   |                            |                        |                   |                           |
| Mixers, male                                                   |                        |                   | Bench hands, or hand bakers, male         |                        |                   | Dividers or scalers and rounders, male |                        |                   | Molders, male                                  |                        |                   | Oven men <sup>19</sup>     |                        |                   |                           |
| Dol.                                                           |                        |                   | Dol.                                      |                        |                   | Dol.                                   |                        |                   | Dol.                                           |                        |                   | Dol.                       |                        |                   |                           |
| 1931                                                           | 51.7                   | 51.5              | 0.070                                     | 51.0                   | 48.0              | 0.659                                  | 51.7                   | 50.7              | 0.562                                          | 51.8                   | 50.1              | 0.533                      | 51.3                   | 49.5              | 0.666                     |
| 1933 <sup>1</sup>                                              | (1)                    | 50.5              | .594                                      | (1)                    | 43.8              | .517                                   | (1)                    | 49.6              | .512                                           | (1)                    | 49.0              | .468                       | (1)                    | 48.3              | .500                      |
| 1933 <sup>2</sup>                                              | (1)                    | 44.4              | .636                                      | (1)                    | 39.5              | .559                                   | (1)                    | 43.3              | .548                                           | (1)                    | 41.9              | .517                       | (1)                    | 42.8              | .628                      |
| 1934                                                           | (1)                    | 40.3              | .703                                      | (1)                    | 35.5              | .638                                   | (1)                    | 39.1              | .619                                           | (1)                    | 38.2              | .538                       | (1)                    | 39.0              | .701                      |
| Bread department—Continued                                     |                        |                   |                                           |                        |                   |                                        |                        |                   | Cake and other sweet-goods dept. <sup>20</sup> |                        |                   |                            |                        |                   |                           |
| Packers, male                                                  |                        |                   | Employees in all occupations <sup>5</sup> |                        |                   |                                        | Cake makers, male      |                   |                                                | Finishers, male        |                   |                            |                        |                   |                           |
|                                                                |                        |                   | Males                                     |                        | Females           |                                        |                        |                   |                                                |                        |                   |                            |                        |                   |                           |
| 1931                                                           | 52.5                   | 50.9              | 0.483                                     | 55.0                   | 54.0              | 0.553                                  | 50.1                   | 46.7              | 0.268                                          | 51.9                   | 49.8              | 0.578                      | 50.6                   | 49.4              | 0.447                     |
| 1933 <sup>1</sup>                                              | (1)                    | 47.3              | .393                                      | (1)                    | 51.6              | .469                                   | (1)                    | 48.4              | .330                                           | (1)                    | 45.0              | .533                       | (1)                    | 42.0              | .459                      |
| 1933 <sup>2</sup>                                              | (1)                    | 41.2              | .446                                      | (1)                    | 47.1              | .523                                   | (1)                    | 40.7              | .376                                           | (1)                    | 43.3              | .587                       | (1)                    | 41.8              | .531                      |
| 1934                                                           | (1)                    | 38.1              | .498                                      | (1)                    | 44.8              | .570                                   | (1)                    | 39.2              | .392                                           | (1)                    | 40.8              | .634                       | (1)                    | 40.8              | .539                      |
| Cake and other sweet-goods department <sup>20</sup> —Continued |                        |                   |                                           |                        |                   |                                        |                        |                   |                                                |                        |                   |                            |                        |                   |                           |
| Finishers, female                                              |                        |                   | Wrappers and packers, male                |                        |                   | Wrappers and packers, female           |                        |                   | Employees in all occupations <sup>4</sup>      |                        |                   |                            |                        |                   |                           |
|                                                                |                        |                   |                                           |                        |                   |                                        |                        |                   | Males                                          |                        | Females           |                            |                        |                   |                           |
| 1931                                                           | 50.0                   | 46.1              | 0.272                                     | 52.1                   | 51.3              | 0.366                                  | 50.1                   | 42.4              | 0.278                                          | 51.8                   | 49.9              | 0.486                      | 50.1                   | 44.1              | 0.275                     |
| 1933 <sup>1</sup>                                              | (1)                    | 40.4              | .260                                      | (1)                    | 41.5              | .366                                   | (1)                    | 41.3              | .249                                           | (1)                    | 47.9              | .489                       | (1)                    | 42.0              | .274                      |
| 1933 <sup>2</sup>                                              | (1)                    | 36.2              | .319                                      | (1)                    | 38.6              | .415                                   | (1)                    | 38.1              | .311                                           | (1)                    | 43.7              | .531                       | (1)                    | 38.5              | .330                      |
| 1934                                                           | (1)                    | 35.7              | .355                                      | (1)                    | 37.6              | .450                                   | (1)                    | 35.0              | .346                                           | (1)                    | 41.2              | .565                       | (1)                    | 36.0              | .364                      |

For footnotes, see p. 320.

# No. 355.—AVERAGE HOURS AND EARNINGS IN MANUFACTURING INDUSTRIES— Continued

| Year                                       | Average hours per week                     |                   | Average earnings per hour | Average hours per week       |                   | Average earnings per hour | Average hours per week       |                                                            | Average earnings per hour | Average hours per week       |                   | Average earnings per hour | Average hours per week          |      | Average earnings per hour |
|--------------------------------------------|--------------------------------------------|-------------------|---------------------------|------------------------------|-------------------|---------------------------|------------------------------|------------------------------------------------------------|---------------------------|------------------------------|-------------------|---------------------------|---------------------------------|------|---------------------------|
|                                            | Full time                                  | Actu-ally work-ed |                           | Full time                    | Actu-ally work-ed |                           | Full time                    | Actu-ally work-ed                                          |                           | Full time                    | Actu-ally work-ed |                           |                                 |      |                           |
| SLAUGHTERING AND MEAT PACKING <sup>1</sup> |                                            |                   |                           |                              |                   |                           |                              |                                                            |                           |                              |                   |                           |                                 |      |                           |
| Cattle killing department                  |                                            |                   |                           |                              |                   |                           |                              |                                                            |                           |                              |                   |                           |                                 |      |                           |
|                                            | Headers, male                              |                   |                           | Leg breakers, male           |                   |                           | Floormen or siders, male     |                                                            |                           | Rumpers, male                |                   |                           | Gutters and bung droppers, male |      |                           |
|                                            | (1)                                        | (2)               | Dol.                      | (1)                          | (2)               | Dol.                      | (1)                          | (2)                                                        | Dol.                      | (1)                          | (2)               | Dol.                      | (1)                             | (2)  | Dol.                      |
| 1917----                                   | 47.6                                       | (1)               | 0.394                     | 47.8                         | (1)               | 0.313                     | 48.0                         | (1)                                                        | 0.563                     | 47.8                         | (1)               | 0.408                     | 47.8                            | (1)  | 0.319                     |
| 1921----                                   | 52.1                                       | (1)               | .645                      | 52.8                         | (1)               | .574                      | 52.6                         | (1)                                                        | .848                      | 52.3                         | (1)               | .743                      | 52.5                            | (1)  | .578                      |
| 1923----                                   | 50.0                                       | (1)               | .627                      | 49.9                         | (1)               | .629                      | 49.0                         | (1)                                                        | .849                      | 50.3                         | (1)               | .740                      | 50.1                            | (1)  | .554                      |
| 1925----                                   | 40.0                                       | 44.4              | .841                      | 49.9                         | (1)               | .558                      | 49.0                         | (1)                                                        | .856                      | 50.1                         | (1)               | .740                      | 50.1                            | (1)  | .576                      |
| 1927----                                   | 48.0                                       | 44.4              | .662                      | 49.1                         | 44.1              | .556                      | 49.2                         | 43.9                                                       | .577                      | 49.5                         | 44.4              | .701                      | 49.0                            | 44.1 | .587                      |
| 1929----                                   | 48.8                                       | 44.8              | .644                      | 48.7                         | 43.1              | .560                      | 48.7                         | 44.1                                                       | .882                      | 49.1                         | 44.0              | .755                      | 48.9                            | 44.8 | .598                      |
| 1931----                                   | 49.1                                       | 41.0              | .592                      | 48.7                         | 40.7              | .512                      | 48.9                         | 41.2                                                       | .800                      | 49.1                         | 41.8              | .684                      | 49.1                            | 41.4 | .517                      |
| Cattle killing department—Contd.           |                                            |                   |                           |                              |                   |                           |                              | Hog killing department                                     |                           |                              |                   |                           |                                 |      |                           |
|                                            | Splitters, male                            |                   |                           | Laborers, male <sup>21</sup> |                   |                           | Stickers, male               |                                                            |                           | Scalders, male <sup>22</sup> |                   |                           | Shavers and scrapers, male      |      |                           |
|                                            | (1)                                        | (2)               | Dol.                      | (1)                          | (2)               | Dol.                      | (1)                          | (2)                                                        | Dol.                      | (1)                          | (2)               | Dol.                      | (1)                             | (2)  | Dol.                      |
| 1917----                                   | 47.8                                       | (1)               | 0.591                     | 47.8                         | (1)               | 0.238                     | 49.6                         | (1)                                                        | 0.357                     | 48.8                         | (1)               | 0.295                     | 48.9                            | (1)  | 0.290                     |
| 1921----                                   | 52.5                                       | (1)               | .855                      | 52.2                         | (1)               | .471                      | 53.0                         | (1)                                                        | .611                      | 52.1                         | (1)               | .516                      | 52.5                            | (1)  | .502                      |
| 1923----                                   | 50.0                                       | (1)               | .857                      | 50.2                         | (1)               | .436                      | 51.8                         | (1)                                                        | .852                      | 51.9                         | (1)               | .496                      | 51.4                            | (1)  | .497                      |
| 1925----                                   | 49.1                                       | 45.0              | .855                      | 50.2                         | (1)               | .442                      | 51.8                         | (1)                                                        | .627                      | 51.9                         | (1)               | .514                      | 51.4                            | (1)  | .523                      |
| 1927----                                   | 48.7                                       | 45.8              | .878                      | 49.4                         | 44.1              | .451                      | 50.3                         | 43.1                                                       | .514                      | 50.5                         | 46.2              | .521                      | 50.5                            | 44.1 | .535                      |
| 1929----                                   | 48.7                                       | 45.8              | .879                      | 48.6                         | 42.9              | .460                      | 50.0                         | 48.2                                                       | .605                      | 50.2                         | 47.7              | .516                      | 49.9                            | 46.2 | .528                      |
| 1931----                                   | 48.9                                       | 42.1              | .780                      | 49.0                         | 42.3              | .408                      | 50.0                         | 44.8                                                       | .505                      | 50.4                         | 46.4              | .475                      | 50.1                            | 43.1 | .480                      |
| Hog killing department—Continued           |                                            |                   |                           |                              |                   |                           |                              | Employees in all occupations, 13 departments <sup>23</sup> |                           |                              |                   |                           |                                 |      |                           |
|                                            | Gutters, bung droppers, rippers open, male |                   |                           | Splitters, male              |                   |                           | Laborers, male <sup>24</sup> |                                                            |                           | Males                        |                   |                           | Females                         |      |                           |
|                                            | (1)                                        | (2)               | Dol.                      | (1)                          | (2)               | Dol.                      | (1)                          | (2)                                                        | Dol.                      | (1)                          | (2)               | Dol.                      | (1)                             | (2)  | Dol.                      |
| 1917----                                   | 48.7                                       | (1)               | 0.337                     | 48.8                         | (1)               | 0.384                     | 48.8                         | (1)                                                        | 0.237                     | 48.4                         | (1)               | 0.271                     | 48.3                            | (1)  | 0.178                     |
| 1921----                                   | 52.4                                       | (1)               | .584                      | 52.3                         | (1)               | .621                      | 52.2                         | (1)                                                        | .451                      | 52.2                         | (1)               | .611                      | 52.8                            | (1)  | .395                      |
| 1923----                                   | 51.9                                       | (1)               | .572                      | 51.5                         | (1)               | .627                      | 51.7                         | (1)                                                        | .444                      | 52.2                         | (1)               | .499                      | 52.8                            | (1)  | .361                      |
| 1925----                                   | 50.4                                       | 44.5              | .590                      | 50.1                         | 46.3              | .935                      | 51.0                         | 44.7                                                       | .493                      | 50.2                         | 47.7              | .507                      | 49.4                            | 44.1 | .359                      |
| 1927----                                   | 50.4                                       | 44.5              | .559                      | 50.1                         | 46.3              | .630                      | 51.0                         | 44.7                                                       | .442                      | 49.5                         | 47.7              | .617                      | 49.1                            | 44.4 | .393                      |
| 1929----                                   | 50.0                                       | 47.7              | .602                      | 49.9                         | 50.1              | .654                      | 49.8                         | 46.4                                                       | .443                      | 49.3                         | 48.5              | .525                      | 48.9                            | 44.9 | .360                      |
| 1931----                                   | 50.3                                       | 45.6              | .527                      | 49.8                         | 46.5              | .583                      | 49.6                         | 44.8                                                       | .400                      | 49.2                         | 45.9              | .470                      | 48.9                            | 42.4 | .321                      |

<sup>1</sup> Data are not available or the general index was not computed.

<sup>2</sup> Data are for a pay period before the adoption of the National Recovery Administration code.

<sup>3</sup> Data are for a pay period after the adoption of the National Recovery Administration code.

<sup>4</sup> Figures for 1907 to 1930 inclusive (except those for 1930 in italics), exclude the southern mills; the figures for 1930 in italics and those for later years include the southern mills.

<sup>5</sup> Covers all occupations of industry or branch of industry indicated, including those not here shown.

<sup>6</sup> Beginning 1933, figures exclude data for dyehouse laborers which are included for prior years.

<sup>7</sup> Beginning 1933, figures include data for all dyehouse laborers reported by the various textile industries; prior to 1933, dyehouse laborers are included with the respective industries by which reported.

<sup>8</sup> Data are available only for years shown. See head note.

<sup>9</sup> Data shown for "men's clothing" are for 1911. <sup>10</sup> Includes data for undertrimmers and barber trimmers.

<sup>11</sup> Data for the separate occupations for 1907 to 1933, inclusive (except figures in italics), represent the average hours and earnings of persons while engaged in their primary occupations only; data for the separate occupations for 1931 and 1933 in italics, and figures for 1935 represent the average hours and earnings of persons while engaged in all occupations at which they worked during the pay period studied. Data for other departments of the iron and steel industry, collected for 1935 only, are shown in table 356.

<sup>12</sup> Includes doublers, hand, prior to 1929.

<sup>13</sup> Indexes not computed prior to 1913; however, earlier basic data are available except for puddling mills.

<sup>14</sup> For puddling mills, 1914 data. <sup>15</sup> Includes also boring mill, lathe, planer, and shaper operators.

<sup>16</sup> Data are for 1 week in April 1934, the period of high production.

<sup>17</sup> Data are for 1 week in September 1934, the period of low production.

<sup>18</sup> Data for cabinetmakers only; data are not available for assemblers.

<sup>19</sup> Includes oven men for the "Cake and other sweet-goods department," not reported separately since 1931.

<sup>20</sup> Data for 1931 do not include pies, which were added for the first time in 1933.

<sup>21</sup> Includes floor cleaners, mark heads, spread cattle, tie guts, laundrymen, taggers, etc.

<sup>22</sup> Includes tubmen, droppers, gamb cutters, polemen, and duckers.

<sup>23</sup> Includes cattle, hog, sheep, and calf killing, offal, hide, casing, cutting of fresh beef, cutting of fresh pork, lard and oleo oil, sausage, cured meat, canning, and maintenance and repair departments.

<sup>24</sup> Includes drivers, penners, steamers, singers, washers,ritchbone breakers, and toe pullers.

Source: Bureau of Labor Statistics, Department of Labor.

### No. 356.—AVERAGE HOURS ACTUALLY WORKED IN 1 WEEK AND AVERAGE EARNINGS PER HOUR IN SUNDRY INDUSTRIES

NOTE.—Data are for a representative pay period of 1 week in each year. Data are not collected annually, but at intervals, and comparable figures are available only for the years shown. All averages are weighted according to the number of employees in each occupation in the industry. Data for 1932 and 1933 for additional industries are shown in the 1935 issue of this publication

| Industry and year                               | Hours, average |                  | Earnings, average (cents) |                  | Industry and year             | Hours, average |                  | Earnings, average (cents) |                  |
|-------------------------------------------------|----------------|------------------|---------------------------|------------------|-------------------------------|----------------|------------------|---------------------------|------------------|
|                                                 | Males          | Females          | Males                     | Females          |                               | Males          | Females          | Males                     | Females          |
| Iron and steel, 1935:                           |                |                  |                           |                  | Paper boxes:                  |                |                  |                           |                  |
| Billet mills.....                               | 27.5           |                  | 64.3                      |                  | Folding:                      |                |                  |                           |                  |
| Butt-weld tube mills.....                       | 31.5           |                  | 81.8                      |                  | 1933 <sup>1</sup> .....       | 45.9           | 41.6             | 46.6                      | 27.8             |
| Electric furnaces.....                          | 39.1           |                  | 82.9                      |                  | 1934 <sup>2</sup> .....       | 37.9           | 38.2             | 57.6                      | 33.6             |
| Lap-weld tube mills.....                        | 32.8           |                  | 80.1                      |                  | 1935 <sup>3</sup> .....       | 40.3           | 37.5             | 57.7                      | 38.9             |
| Rod mills.....                                  | 33.1           |                  | 68.7                      |                  | Set-up:                       |                |                  |                           |                  |
| Seamless tube mills.....                        | 39.0           |                  | 55.9                      |                  | 1933 <sup>1</sup> .....       | 43.3           | 38.8             | 44.1                      | 28.6             |
| Sheet-bar mills.....                            | 36.2           |                  | 68.1                      |                  | 1934 <sup>2</sup> .....       | 37.5           | 34.6             | 55.7                      | 38.7             |
| Skelp mills.....                                | 32.1           |                  | 65.3                      |                  | 1935 <sup>3</sup> .....       | 40.5           | 37.0             | 54.5                      | 37.8             |
| Strip mills.....                                | 40.1           |                  | 71.5                      |                  | Petroleum, 1934: <sup>4</sup> |                |                  |                           |                  |
| Structural mills.....                           | 32.5           |                  | 60.3                      |                  | Drilling and produc-          |                |                  |                           |                  |
| Wire mills.....                                 | 33.7           |                  | 64.0                      |                  | tion.....                     | \$36.2         | ( <sup>5</sup> ) | \$77.9                    | ( <sup>5</sup> ) |
| Motor transportation: <sup>5</sup>              |                |                  |                           |                  | Pipe lines.....               | \$35.4         | ( <sup>5</sup> ) | \$77.4                    | ( <sup>5</sup> ) |
| Bus:                                            |                |                  |                           |                  | Refining.....                 | \$35.6         | ( <sup>5</sup> ) | \$75.0                    | ( <sup>5</sup> ) |
| 1933 <sup>1</sup> .....                         | 50.3           | 45.4             | 53.8                      | 37.9             | Tobacco:                      |                |                  |                           |                  |
| 1935 <sup>3</sup> .....                         | \$44.6         | ( <sup>6</sup> ) | \$58.2                    | ( <sup>6</sup> ) | Cigarettes:                   |                |                  |                           |                  |
| Truck:                                          |                |                  |                           |                  | 1930.....                     | 46.8           | 43.4             | 37.8                      | 26.9             |
| 1933 <sup>1</sup> .....                         | 50.7           | 44.8             | 45.7                      | 26.7             | 1933 <sup>2</sup> .....       | 34.9           | 27.8             | 36.9                      | 24.2             |
| 1935 <sup>3</sup> .....                         | \$40.6         | ( <sup>6</sup> ) | \$52.2                    | ( <sup>6</sup> ) | 1935.....                     | 34.6           | 32.4             | 48.7                      | 37.8             |
| Motor vehicle parts and equipment: <sup>6</sup> |                |                  |                           |                  | Smoking, chewing, and snuff:  |                |                  |                           |                  |
| 1934 <sup>7</sup> .....                         | 38.0           | 34.9             | 64.9                      | 46.0             | 1933 <sup>2</sup> .....       | 36.9           | 36.8             | 39.2                      | 26.8             |
| 1934 <sup>8</sup> .....                         | 32.0           | 20.1             | 66.1                      | 46.0             | 1935.....                     | 36.5           | 33.6             | 48.2                      | 36.3             |

<sup>1</sup> Excludes the fabrication of wire.

<sup>2</sup> Intercity only. Data for 1935 compiled by the office of the Federal Coordinator of Transportation.

<sup>3</sup> Data are for a pay period before the adoption of the National Recovery Administration code.

<sup>4</sup> Data are for a pay period after the N. R. A. codes were declared invalid by the U. S. Supreme Court.

<sup>5</sup> Data for females included with males. <sup>6</sup> Data are for a pay period after adoption of N. R. A. code.

<sup>7</sup> Data are for 1 week in April, the high production period.

<sup>8</sup> Data are for 1 week in September, the low production period.

### No. 357.—AVERAGE FULL-TIME HOURS OF LABOR PER WEEK AND AVERAGE EARNINGS PER HOUR IN MINING INDUSTRIES

NOTE.—Nearly all coal mines operate on a 48-hour week, but contract miners and their laborers in anthracite mines, and loaders, hand or pick miners, and machine miners in bituminous mines, generally work fewer hours. General averages are weighted according to the number of employees in each occupation in the industry. Data are for a representative pay period of 1 week in each year; they are not collected annually, but at intervals, and comparable figures are available only for the years shown, except for bituminous coal mines, for which 1926 data are also shown in the 1933 Statistical Abstract

| Industry and occupation     | 1924  | 1931  | Industry and occupation                 | 1922  | 1924  | 1929  | 1931  | 1933 <sup>1</sup> |
|-----------------------------|-------|-------|-----------------------------------------|-------|-------|-------|-------|-------------------|
| Metaliferous mines:         |       |       | Anthracite: <sup>2</sup>                |       |       |       |       |                   |
| Average hours—              |       |       | Average earnings—                       | Cents | Cents | Cents | Cents | Cents             |
| General average.....        | 53.0  | 51.6  | General average.....                    | 75.3  | 85.7  |       | 82.4  |                   |
| Drilling-machine operators— |       |       | Company miners.....                     | 69.7  | 79.5  |       | 75.9  |                   |
| Company.....                | 51.4  | 49.5  | Laborers.....                           | 82.9  | 69.6  |       | 68.5  |                   |
| Contract.....               | 48.6  | 49.1  | Contract miners.....                    | 117.3 | 143.2 |       | 118.0 |                   |
| Muckers.....                | 52.7  | 50.2  | Laborers.....                           | 82.9  | 97.1  |       | 83.3  |                   |
| Timbermen.....              | 51.5  | 48.7  | Drivers.....                            | 68.0  | 63.2  |       | 64.5  |                   |
| Topmen.....                 | 55.3  | 54.9  | Trackmen.....                           | 67.5  | 74.1  |       | 74.0  |                   |
| Trammers.....               | 50.9  | 48.9  |                                         |       |       |       |       |                   |
| Average earnings—           | Cents | Cents | Bituminous coal:                        |       |       |       |       |                   |
| General average.....        | 55.9  | 55.9  | Average earnings—                       |       |       |       |       |                   |
| Drilling-machine operators— |       |       | General average <sup>3</sup> .....      | 85.3  | 78.8  | 65.9  | 59.8  | 41.0              |
| Company.....                | 59.4  | 64.6  | Brakemen <sup>4</sup> .....             | 77.9  | 71.0  | 59.6  | 57.6  | 42.1              |
| Contract.....               | 72.9  | 68.4  | Drivers <sup>2</sup> .....              | 82.4  | 74.8  | 63.7  | 60.2  | 45.2              |
| Muckers.....                | 55.4  | 50.5  | Loaders, hand <sup>4</sup> .....        | 90.2  | 81.1  | 64.8  | 56.1  | 36.9              |
| Timbermen.....              | 60.4  | 60.2  | Miners, hand or pick <sup>4</sup> ..... | 84.0  | 80.8  | 67.3  | 58.9  | 37.6              |
| Topmen.....                 | 42.8  | 40.0  | Miners, machine <sup>4</sup> .....      | 127.4 | 116.3 | 101.8 | 94.0  | 62.6              |
| Trammers.....               | 55.0  | 52.4  | Trackmen <sup>2</sup> .....             | 82.6  | 73.7  | 63.5  | 60.8  | 44.6              |

<sup>1</sup> Data are for a pay period before the adoption of the National Recovery Administration code.

<sup>2</sup> Based on hours actually worked, excluding lunch time.

<sup>3</sup> Based on a combination of hours at place of work in mine, including lunch time for loaders and miners, and hours actually worked for all other employees.

<sup>4</sup> Based on hours actually worked, plus lunch time.

Source of tables 356 and 357: Bureau of Labor Statistics, Department of Labor, except as noted.



### No. 358.—AVERAGE HOURLY WAGE RATES PAID COMMON LABOR

NOTE.—Rates in cents per hour as of July 1 of each year. Data are based on entrance rates paid unskilled adult males in important industries requiring considerable numbers of common laborers. Some establishments reported two rates—one for the 10-hour and one for the 8-hour day, or one for white and one for colored or Mexican workers; these distinctions have not been maintained in the tabulated data, although it is apparent that the lowest rates are shown for sections where there are large numbers of colored or Mexican workers, and the highest, for localities where an 8-hour day is more or less prevalent.

| Industry and geographic division                   | 1927        | 1928        | 1929        | 1930        | 1931        | 1932        | 1933        | 1934        | 1935        |
|----------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Industries reporting</b> .....                  | <b>42.6</b> | <b>44.9</b> | <b>43.7</b> | <b>43.1</b> | <b>41.2</b> | <b>38.1</b> | <b>35.0</b> | <b>43.0</b> | <b>46.1</b> |
| Automobiles.....                                   | 46.3        | 57.2        | 49.9        | 48.2        | 57.7        | 62.0        | 46.5        | 54.9        | 61.2        |
| Brick, tile, and terra cotta.....                  | 42.2        | 39.4        | 37.8        | 38.0        | 33.9        | 28.9        | 24.7        | 36.9        | 38.2        |
| Cement.....                                        | 39.2        | 37.2        | 37.8        | 37.9        | 37.2        | 30.6        | 29.5        | 44.7        | 44.3        |
| Electrical machinery, apparatus, and supplies..... | 44.2        | 46.0        | 45.9        | 44.8        | 42.9        | 39.6        | 37.1        | 43.5        | 42.9        |
| Foundry and machine-shop products.....             | 37.8        | 38.4        | 39.8        | 39.0        | 38.2        | 34.8        | 31.8        | 40.1        | 40.0        |
| Iron and steel.....                                | 43.2        | 42.5        | 42.5        | 42.1        | 41.8        | 31.8        | 33.6        | 43.2        | 44.1        |
| Leather.....                                       | 41.4        | 42.3        | 42.2        | 41.9        | 39.1        | 32.9        | 31.6        | 39.3        | 41.9        |
| Lumber (sawmills).....                             | 32.2        | 31.7        | 32.0        | 31.6        | 27.7        | 21.5        | 20.8        | 33.1        | 35.6        |
| Paper and pulp.....                                | 42.5        | 44.3        | 44.0        | 43.2        | 37.2        | 35.6        | 32.6        | 40.8        | 41.1        |
| Petroleum refining.....                            | 44.0        | 45.4        | 45.7        | 48.1        | 47.6        | 42.1        | 40.7        | 52.6        | 52.2        |
| Slaughtering and meat packing.....                 | 41.7        | 42.2        | 42.0        | 41.8        | 41.7        | 34.6        | 32.3        | 43.9        | 45.7        |
| Public utilities <sup>1</sup> .....                | 39.8        | 42.9        | 42.8        | 44.6        | 44.6        | 41.5        | 38.7        | 41.8        | 42.0        |
| General contracting <sup>2</sup> .....             | 48.2        | 47.4        | 48.3        | 47.0        | 42.6        | 39.9        | 38.3        | 45.5        | 43.1        |
| <b>United States</b> .....                         | <b>42.6</b> | <b>44.9</b> | <b>43.7</b> | <b>43.1</b> | <b>41.2</b> | <b>38.1</b> | <b>35.0</b> | <b>43.0</b> | <b>46.1</b> |
| New England.....                                   | 40.7        | 48.2        | 48.0        | 49.5        | 45.4        | 40.4        | 37.1        | 43.3        | 44.6        |
| Middle Atlantic.....                               | 47.2        | 47.8        | 46.4        | 46.1        | 45.1        | 40.4        | 36.7        | 45.2        | 49.7        |
| East North Central.....                            | 46.7        | 51.0        | 48.4        | 47.0        | 45.2        | 46.0        | 33.7        | 47.0        | 48.0        |
| West North Central.....                            | 40.6        | 41.3        | 41.8        | 40.6        | 42.9        | 36.8        | 34.5        | 43.2        | 48.0        |
| South Atlantic.....                                | 31.5        | 29.4        | 30.2        | 32.1        | 28.9        | 23.4        | 25.3        | 33.6        | 36.9        |
| East South Central.....                            | 27.0        | 28.0        | 26.8        | 26.7        | 25.2        | 21.0        | 26.7        | 34.1        | 34.7        |
| West South Central.....                            | 31.8        | 33.8        | 35.6        | 33.0        | 29.9        | 23.7        | 23.4        | 32.7        | 32.1        |
| Mountain.....                                      | 44.4        | 44.0        | 44.0        | 45.2        | 43.1        | 39.3        | 42.8        | 40.4        | 48.5        |
| Pacific.....                                       | 46.5        | 46.9        | 47.9        | 47.6        | 43.5        | 40.2        | 38.0        | 40.9        | 47.3        |

<sup>1</sup> Includes street railways, gas works, electric power and light plants, and prior to 1933, waterworks.

<sup>2</sup> Includes building, highway, public works, and railroad construction.

Source: Bureau of Labor Statistics, Department of Labor.

### No. 359.—WAGE RATES OF COMMON LABOR IN ROAD BUILDING

NOTE.—Rates in cents per hour. Data beginning with 1922 represent common labor in road building; prior to 1922 data included reports on farm labor or other forms of common labor closely correlated, as reported to the Department of Agriculture and to the Department of Labor.

| Year and month                             | United States, average | New England | Middle Atlantic | South Atlantic | East South Central | West South Central | East North Central | West North Central | Mountain | Pacific |
|--------------------------------------------|------------------------|-------------|-----------------|----------------|--------------------|--------------------|--------------------|--------------------|----------|---------|
| <b>Federal-aid projects:</b> <sup>1</sup>  |                        |             |                 |                |                    |                    |                    |                    |          |         |
| 1915.....                                  | 20                     | 20          | 20              | 14             | 12                 | 16                 | 21                 | 25                 | 26       | 26      |
| 1918.....                                  | 36                     | 39          | 38              | 27             | 23                 | 28                 | 39                 | 45                 | 44       | 45      |
| 1919.....                                  | 41                     | 41          | 41              | 32             | 28                 | 36                 | 43                 | 53                 | 47       | 52      |
| 1920.....                                  | 49                     | 49          | 50              | 37             | 32                 | 40                 | 53                 | 62                 | 56       | 60      |
| 1921.....                                  | 36                     | 38          | 35              | 26             | 25                 | 28                 | 35                 | 45                 | 46       | 50      |
| 1922.....                                  | 32                     | 39          | 37              | 21             | 20                 | 24                 | 31                 | 31                 | 37       | 48      |
| 1923.....                                  | 38                     | 51          | 45              | 25             | 22                 | 25                 | 39                 | 34                 | 42       | 54      |
| 1924.....                                  | 38                     | 50          | 45              | 28             | 24                 | 27                 | 40                 | 36                 | 41       | 52      |
| 1925.....                                  | 38                     | 46          | 45              | 27             | 25                 | 27                 | 37                 | 38                 | 44       | 52      |
| 1926.....                                  | 39                     | 50          | 46              | 30             | 25                 | 27                 | 38                 | 39                 | 43       | 52      |
| 1927.....                                  | 39                     | 49          | 47              | 28             | 25                 | 30                 | 39                 | 38                 | 45       | 58      |
| 1928.....                                  | 40                     | 50          | 44              | 26             | 26                 | 28                 | 39                 | 38                 | 46       | 53      |
| 1929.....                                  | 39                     | 51          | 43              | 27             | 26                 | 31                 | 40                 | 38                 | 46       | 53      |
| 1930.....                                  | 39                     | 50          | 42              | 25             | 25                 | 28                 | 38                 | 37                 | 47       | 53      |
| 1931.....                                  | 36                     | 45          | 38              | 21             | 20                 | 23                 | 37                 | 36                 | 45       | 51      |
| 1932.....                                  | 32                     | 36          | 36              | 19             | 19                 | 26                 | 37                 | 34                 | 44       | 48      |
| 1933.....                                  | 35                     | 36          | 36              | 23             | 20                 | 28                 | 41                 | 35                 | 44       | 52      |
| <b>Public Works projects:</b> <sup>2</sup> |                        |             |                 |                |                    |                    |                    |                    |          |         |
| 1933.....                                  | 44                     | 40          | 40              | 31             | 30                 | 35                 | 47                 | 45                 | 55       | 55      |
| 1934.....                                  | 42                     | 43          | 41              | 31             | 30                 | 35                 | 50                 | 44                 | 56       | 58      |
| 1935.....                                  | 41                     | 45          | 43              | 31             | 30                 | 36                 | 53                 | 47                 | 56       | 57      |
| March.....                                 | 59                     | 47          | 44              | 31             | 30                 | 37                 | 52                 | 46                 | 55       | 55      |
| June.....                                  | 42                     | 43          | 43              | 31             | 30                 | 37                 | 53                 | 47                 | 57       | 56      |
| September.....                             | 42                     | 48          | 43              | 31             | 30                 | 36                 | 54                 | 47                 | 57       | 57      |
| December.....                              | 41                     | 48          | 44              | 33             | 30                 | 36                 | 55                 | 48                 | 56       | 60      |
| 1936.....                                  |                        |             |                 |                |                    |                    |                    |                    |          |         |
| March.....                                 | 37                     | 50          | 48              | 32             | 30                 | 36                 | 62                 | 47                 | 55       | 59      |
| June.....                                  | 42                     | 47          | 46              | 33             | 30                 | 36                 | 54                 | 40                 | 56       | 55      |

<sup>1</sup> Beginning with February 1932, data from State projects also were included.

<sup>2</sup> For these projects it is required that minimum wage rates, sufficient to provide (for the hours of labor as limited) a decent standard of living, shall be fixed by State highway departments.

Source: Bureau of Public Roads, Department of Agriculture.

# No. 360.—INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES: REVISED SERIES

NOTE.—Monthly average, 1923-25=100. Indexes are currently based on monthly reports from establishments representing 89 industries beginning 1931 (52 to 61 industries in earlier years) and employing approximately 55 percent of all factory employees in the United States. The indexes in the following table and in tables 361 to 364 have been adjusted to conform with the Federal Biennial Census data on employment and pay rolls through the year 1933. Indexes are weighted according to the average number of employees and the average weekly pay rolls in the base period 1923-25 in each of the component industries and are without seasonal adjustment. A detailed description of the construction of these indexes is given in Bulletin No. 610, published by the Bureau of Labor Statistics, and in a supplement to Bulletin 610, which is now being prepared. See table 361 for seasonally adjusted indexes of employment.

| Year              | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  | Year  |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>EMPLOYMENT</b> |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1919.....         | 104.8 | 101.6 | 101.9 | 102.0 | 102.6 | 103.8 | 106.5 | 109.1 | 111.2 | 110.8 | 112.0 | 113.8 | 106.7 |
| 1920.....         | 114.3 | 113.3 | 115.5 | 114.0 | 111.5 | 110.6 | 108.1 | 108.4 | 107.1 | 109.4 | 97.2  | 89.6  | 107.8 |
| 1921.....         | 80.9  | 82.4  | 83.0  | 82.0  | 81.8  | 80.9  | 79.7  | 81.3  | 83.3  | 84.1  | 84.2  | 83.2  | 82.2  |
| 1922.....         | 82.5  | 84.5  | 85.7  | 85.5  | 87.8  | 89.5  | 87.8  | 91.0  | 94.0  | 96.7  | 98.4  | 99.7  | 90.3  |
| 1923.....         | 100.8 | 102.6 | 104.7 | 105.2 | 105.3 | 106.0 | 104.9 | 105.2 | 105.6 | 104.4 | 103.1 | 101.3 | 104.1 |
| 1924.....         | 100.1 | 101.5 | 101.7 | 100.0 | 96.7  | 93.8  | 90.8  | 92.1  | 94.3  | 95.1  | 94.7  | 95.1  | 96.4  |
| 1925.....         | 90.6  | 98.2  | 99.1  | 98.9  | 98.2  | 98.1  | 98.0  | 99.7  | 101.6 | 102.2 | 101.9 | 101.6 | 99.5  |
| 1926.....         | 100.7 | 101.7 | 102.2 | 101.5 | 100.4 | 100.4 | 99.4  | 101.4 | 103.5 | 103.1 | 101.3 | 100.0 | 101.3 |
| 1927.....         | 98.2  | 99.7  | 100.3 | 99.6  | 99.0  | 99.1  | 98.0  | 99.3  | 100.4 | 99.5  | 97.3  | 96.0  | 98.9  |
| 1928.....         | 94.8  | 96.4  | 97.4  | 97.0  | 97.0  | 97.6  | 97.5  | 100.1 | 102.1 | 102.4 | 101.6 | 101.0 | 98.7  |
| 1929.....         | 100.6 | 102.9 | 104.1 | 105.3 | 105.2 | 105.4 | 105.9 | 107.7 | 108.7 | 107.5 | 103.3 | 99.6  | 104.7 |
| 1930.....         | 97.1  | 97.1  | 96.7  | 96.1  | 94.5  | 92.6  | 89.3  | 88.6  | 89.5  | 87.6  | 84.4  | 82.1  | 91.3  |
| 1931.....         | 79.5  | 80.1  | 80.5  | 80.4  | 79.8  | 78.0  | 76.9  | 77.0  | 77.3  | 74.6  | 72.0  | 71.2  | 77.3  |
| 1932.....         | 69.1  | 70.3  | 69.3  | 67.1  | 64.6  | 62.5  | 60.4  | 61.8  | 65.1  | 66.3  | 65.5  | 64.3  | 65.5  |
| 1933.....         | 62.6  | 63.7  | 61.5  | 62.9  | 65.8  | 70.2  | 74.9  | 79.6  | 83.2  | 82.8  | 79.6  | 77.6  | 72.0  |
| 1934.....         | 76.5  | 81.1  | 84.4  | 86.0  | 86.2  | 84.9  | 82.4  | 83.5  | 80.0  | 82.2  | 80.3  | 81.4  | 82.4  |
| 1935.....         | 82.0  | 84.9  | 86.0  | 86.2  | 84.7  | 83.1  | 83.4  | 88.1  | 88.0  | 86.3  | 88.7  | 88.2  | 85.9  |
| 1936.....         | 86.6  | 86.7  | 87.8  | 89.0  | 89.6  | 89.9  |       |       |       |       |       |       |       |
| <b>PAY ROLLS</b>  |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1919.....         | 96.2  | 90.4  | 91.0  | 90.0  | 90.9  | 92.9  | 95.6  | 100.9 | 105.7 | 108.2 | 107.7 | 115.0 | 98.3  |
| 1920.....         | 118.3 | 116.7 | 124.8 | 122.0 | 123.5 | 125.3 | 120.4 | 122.7 | 120.9 | 116.9 | 108.1 | 99.0  | 118.2 |
| 1921.....         | 83.7  | 82.1  | 82.4  | 79.7  | 78.1  | 76.2  | 72.4  | 74.6  | 74.2  | 73.4  | 72.5  | 74.0  | 76.9  |
| 1922.....         | 70.3  | 73.1  | 75.3  | 74.2  | 77.6  | 80.9  | 78.6  | 83.2  | 87.1  | 86.6  | 93.4  | 95.7  | 81.6  |
| 1923.....         | 94.8  | 98.1  | 102.8 | 104.1 | 107.5 | 107.7 | 103.4 | 103.8 | 104.2 | 106.5 | 104.4 | 102.8 | 103.3 |
| 1924.....         | 98.7  | 104.1 | 104.1 | 101.9 | 97.6  | 92.2  | 85.4  | 89.2  | 92.3  | 94.9  | 93.4  | 97.7  | 96.0  |
| 1925.....         | 95.7  | 100.9 | 102.6 | 100.1 | 100.8 | 98.8  | 96.9  | 99.5  | 98.8  | 104.7 | 104.7 | 105.1 | 100.7 |
| 1926.....         | 100.9 | 105.1 | 106.0 | 104.3 | 103.0 | 103.2 | 98.9  | 103.3 | 104.3 | 107.4 | 104.0 | 103.3 | 103.7 |
| 1927.....         | 98.2  | 104.3 | 105.7 | 104.8 | 104.1 | 102.4 | 98.4  | 101.7 | 101.2 | 102.0 | 98.4  | 99.4  | 101.7 |
| 1928.....         | 95.9  | 101.1 | 102.6 | 100.5 | 101.3 | 101.7 | 99.1  | 103.2 | 104.6 | 108.2 | 105.0 | 105.7 | 102.4 |
| 1929.....         | 102.4 | 109.3 | 111.6 | 112.7 | 112.9 | 111.2 | 107.1 | 112.0 | 112.8 | 112.3 | 104.1 | 100.6 | 109.1 |
| 1930.....         | 96.6  | 98.6  | 98.0  | 97.5  | 95.1  | 92.0  | 84.1  | 83.1  | 83.8  | 82.0  | 76.6  | 75.0  | 88.5  |
| 1931.....         | 69.9  | 74.1  | 75.4  | 74.2  | 73.1  | 69.5  | 66.1  | 65.8  | 63.3  | 61.4  | 58.1  | 57.5  | 67.4  |
| 1932.....         | 53.6  | 54.8  | 53.1  | 49.4  | 46.8  | 43.5  | 40.2  | 41.0  | 43.5  | 45.3  | 43.5  | 42.3  | 46.5  |
| 1933.....         | 40.1  | 41.0  | 37.9  | 39.8  | 43.7  | 48.1  | 51.7  | 57.7  | 60.6  | 60.4  | 56.5  | 55.6  | 49.8  |
| 1934.....         | 54.6  | 61.3  | 65.6  | 68.1  | 68.1  | 66.0  | 61.3  | 63.2  | 59.1  | 62.1  | 60.6  | 64.1  | 62.4  |
| 1935.....         | 64.9  | 69.9  | 71.6  | 71.6  | 69.3  | 67.3  | 66.4  | 70.9  | 73.5  | 76.3  | 75.5  | 77.4  | 71.2  |
| 1936.....         | 73.6  | 73.6  | 77.4  | 79.1  | 80.6  | 80.8  |       |       |       |       |       |       |       |

Source: Bureau of Labor Statistics, Department of Labor.

# No. 361.—INDEXES OF EMPLOYMENT IN MANUFACTURING INDUSTRIES: ADJUSTED FOR SEASONAL VARIATIONS

NOTE.—Monthly average, 1923-25=100. Indexes are based upon the data shown in table 360. For a description of the methods of adjustment see the Federal Reserve Bulletin. Figures were supplied prior to their publication by the Board of Governors of the Federal Reserve System and are subject to revision when published by that office.

| Year      | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1919..... | 107.0 | 102.8 | 101.5 | 101.9 | 102.9 | 104.0 | 106.7 | 107.9 | 108.8 | 108.6 | 111.1 | 113.8 |
| 1920..... | 116.6 | 114.5 | 115.1 | 113.9 | 111.6 | 110.7 | 108.2 | 107.0 | 104.7 | 101.5 | 96.2  | 89.4  |
| 1921..... | 82.2  | 83.1  | 82.6  | 81.9  | 81.9  | 81.2  | 80.1  | 80.6  | 81.7  | 82.4  | 83.4  | 83.1  |
| 1922..... | 88.9  | 85.1  | 85.5  | 86.7  | 88.0  | 89.8  | 88.3  | 90.3  | 92.3  | 95.1  | 97.7  | 99.7  |
| 1923..... | 102.3 | 102.9 | 104.0 | 107.6 | 105.0 | 106.6 | 106.1 | 105.2 | 104.2 | 103.2 | 102.9 | 101.7 |
| 1924..... | 101.4 | 101.5 | 100.9 | 99.6  | 97.0  | 94.4  | 92.1  | 92.2  | 92.9  | 93.9  | 94.4  | 96.1  |
| 1925..... | 97.7  | 98.3  | 98.4  | 98.6  | 98.9  | 98.9  | 99.4  | 99.6  | 99.8  | 100.7 | 101.7 | 102.4 |
| 1926..... | 102.2 | 101.9 | 101.6 | 101.2 | 100.9 | 101.1 | 100.8 | 101.2 | 101.6 | 101.4 | 101.1 | 100.6 |
| 1927..... | 99.9  | 100.0 | 99.9  | 99.6  | 99.4  | 99.7  | 99.2  | 98.9  | 98.4  | 97.7  | 97.1  | 96.6  |
| 1928..... | 96.7  | 96.9  | 97.1  | 96.9  | 97.9  | 97.9  | 98.4  | 99.4  | 99.7  | 100.4 | 101.4 | 101.9 |
| 1929..... | 103.0 | 103.6 | 104.2 | 105.2 | 105.4 | 105.7 | 106.9 | 107.0 | 105.0 | 103.3 | 103.1 | 100.6 |
| 1930..... | 99.4  | 97.8  | 96.7  | 95.8  | 94.4  | 92.8  | 90.1  | 88.0  | 85.8  | 85.7  | 84.4  | 83.0  |
| 1931..... | 81.7  | 80.8  | 80.5  | 80.2  | 79.7  | 78.3  | 77.8  | 76.7  | 75.1  | 73.1  | 71.8  | 71.7  |
| 1932..... | 71.0  | 70.6  | 69.1  | 68.9  | 64.6  | 62.8  | 61.1  | 61.6  | 63.4  | 64.9  | 65.4  | 64.8  |
| 1933..... | 64.2  | 64.1  | 61.4  | 62.7  | 65.9  | 70.7  | 76.1  | 79.4  | 81.2  | 81.2  | 79.5  | 78.2  |
| 1934..... | 78.3  | 81.4  | 84.0  | 85.4  | 85.9  | 85.2  | 83.4  | 82.9  | 78.0  | 80.7  | 80.7  | 82.2  |
| 1935..... | 83.9  | 85.1  | 85.4  | 85.5  | 84.5  | 83.6  | 84.9  | 85.9  | 86.2  | 87.2  | 88.0  | 88.6  |
| 1936..... | 88.6  | 87.2  | 87.6  | 88.4  | 89.6  | 90.3  |       |       |       |       |       |       |

Source: Board of Governors of the Federal Reserve System.

# No. 362.—INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES: By DURABLE-GOODS AND NONDURABLE-GOODS GROUPS, REVISED SERIES

NOTE.—Monthly average, 1923-26=100. See head note, table 360

| Year                                | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  | Year  |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| DURABLE-GOODS GROUP <sup>1</sup>    |       |       |       |       |       |       |       |       |       |       |       |       |       |
| EMPLOYMENT                          |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1923                                | 99.1  | 101.5 | 104.0 | 105.7 | 106.6 | 107.8 | 106.6 | 106.5 | 106.1 | 105.4 | 104.3 | 101.9 | 104.6 |
| 1924                                | 100.6 | 102.1 | 103.1 | 102.7 | 98.8  | 94.7  | 91.0  | 90.9  | 91.8  | 93.4  | 93.1  | 94.6  | 96.4  |
| 1925                                | 96.4  | 97.1  | 98.4  | 99.4  | 99.2  | 98.5  | 97.4  | 98.2  | 99.6  | 101.3 | 101.6 | 101.7 | 99.0  |
| 1926                                | 100.8 | 102.2 | 103.1 | 103.4 | 102.7 | 102.2 | 101.0 | 102.0 | 102.6 | 102.1 | 100.2 | 98.2  | 101.7 |
| 1927                                | 95.5  | 97.2  | 98.1  | 98.1  | 98.0  | 97.1  | 95.0  | 95.4  | 95.0  | 94.4  | 92.1  | 90.9  | 95.6  |
| 1928                                | 89.5  | 91.5  | 93.7  | 94.7  | 96.1  | 96.6  | 95.7  | 98.0  | 99.3  | 99.7  | 99.1  | 98.7  | 96.1  |
| 1929                                | 99.0  | 101.7 | 103.4 | 105.3 | 106.4 | 106.4 | 106.3 | 107.3 | 106.8 | 105.1 | 100.4 | 95.9  | 103.7 |
| 1930                                | 93.1  | 93.4  | 93.2  | 92.9  | 91.9  | 89.1  | 84.7  | 82.3  | 81.1  | 79.6  | 77.1  | 74.9  | 88.1  |
| 1931                                | 72.0  | 72.1  | 72.0  | 72.0  | 71.3  | 69.3  | 66.7  | 65.4  | 64.6  | 62.0  | 60.4  | 60.0  | 67.3  |
| 1932                                | 57.7  | 58.4  | 57.3  | 55.6  | 54.1  | 52.3  | 50.0  | 48.7  | 49.2  | 49.8  | 50.3  | 49.8  | 52.8  |
| 1933                                | 45.1  | 48.7  | 46.9  | 47.6  | 50.4  | 54.2  | 58.8  | 63.6  | 60.9  | 60.7  | 64.8  | 64.1  | 58.7  |
| 1934                                | 63.2  | 67.0  | 70.8  | 73.8  | 75.6  | 74.8  | 71.2  | 69.8  | 67.9  | 66.6  | 65.9  | 67.0  | 60.5  |
| 1935                                | 69.5  | 73.2  | 74.8  | 75.7  | 75.3  | 73.3  | 73.2  | 74.5  | 75.2  | 79.0  | 80.1  | 79.7  | 75.3  |
| 1936                                | 78.4  | 78.3  | 79.8  | 81.9  | 83.6  | 84.3  |       |       |       |       |       |       |       |
| PAY ROLLS                           |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1923                                | 91.6  | 95.8  | 101.4 | 104.6 | 109.2 | 110.0 | 104.5 | 106.1 | 105.2 | 108.9 | 107.3 | 104.0 | 104.1 |
| 1924                                | 97.9  | 105.4 | 106.5 | 105.8 | 100.3 | 92.9  | 83.8  | 87.2  | 88.9  | 92.9  | 91.6  | 95.7  | 95.7  |
| 1925                                | 92.6  | 99.8  | 101.9 | 100.9 | 102.0 | 99.2  | 95.4  | 97.5  | 97.1  | 104.5 | 105.3 | 105.6 | 100.2 |
| 1926                                | 99.0  | 105.2 | 107.3 | 106.5 | 105.2 | 104.9 | 99.1  | 103.7 | 103.1 | 107.0 | 103.2 | 100.9 | 103.8 |
| 1927                                | 93.3  | 101.1 | 103.6 | 103.2 | 103.3 | 99.9  | 93.9  | 97.5  | 95.1  | 96.8  | 83.3  | 94.1  | 97.9  |
| 1928                                | 89.5  | 96.9  | 99.5  | 99.8  | 101.9 | 101.2 | 97.1  | 102.0 | 102.3 | 107.0 | 104.1 | 103.9 | 100.4 |
| 1929                                | 100.0 | 108.9 | 112.0 | 114.7 | 115.8 | 112.9 | 107.2 | 112.7 | 111.8 | 111.2 | 101.9 | 96.9  | 108.8 |
| 1930                                | 90.2  | 94.8  | 95.3  | 95.4  | 93.4  | 89.2  | 78.2  | 75.7  | 74.8  | 73.9  | 65.5  | 60.5  | 83.0  |
| 1931                                | 59.9  | 64.4  | 65.6  | 65.0  | 64.0  | 59.3  | 54.3  | 52.9  | 49.6  | 48.6  | 46.4  | 45.9  | 56.3  |
| 1932                                | 41.5  | 42.3  | 40.3  | 38.1  | 37.1  | 33.6  | 30.2  | 28.8  | 28.8  | 30.8  | 30.9  | 30.4  | 34.4  |
| 1933                                | 28.6  | 28.8  | 26.7  | 28.1  | 32.3  | 36.2  | 39.4  | 45.2  | 46.7  | 46.8  | 43.9  | 43.7  | 37.2  |
| 1934                                | 42.8  | 48.9  | 53.8  | 58.6  | 60.0  | 58.6  | 51.3  | 51.2  | 46.9  | 48.0  | 47.6  | 51.7  | 51.6  |
| 1935                                | 53.6  | 59.9  | 61.8  | 63.0  | 61.3  | 58.9  | 57.1  | 60.8  | 62.7  | 68.2  | 69.6  | 71.2  | 62.3  |
| 1936                                | 66.6  | 66.3  | 71.5  | 75.6  | 78.1  | 78.6  |       |       |       |       |       |       |       |
| NONDURABLE-GOODS GROUP <sup>1</sup> |       |       |       |       |       |       |       |       |       |       |       |       |       |
| EMPLOYMENT                          |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1923                                | 102.6 | 103.8 | 105.5 | 104.5 | 104.0 | 104.1 | 103.1 | 103.8 | 106.1 | 103.3 | 101.8 | 100.5 | 103.5 |
| 1924                                | 99.6  | 100.9 | 100.2 | 97.1  | 94.5  | 92.8  | 90.6  | 93.3  | 96.0  | 97.0  | 96.4  | 97.8  | 96.4  |
| 1925                                | 97.8  | 99.4  | 99.7  | 98.4  | 97.2  | 97.7  | 98.7  | 101.3 | 103.7 | 103.3 | 102.2 | 101.4 | 100.1 |
| 1926                                | 100.7 | 101.1 | 101.2 | 99.4  | 98.0  | 98.5  | 97.7  | 100.8 | 104.4 | 104.2 | 102.5 | 101.9 | 100.9 |
| 1927                                | 101.1 | 102.3 | 102.6 | 101.2 | 100.0 | 101.1 | 101.3 | 103.4 | 108.3 | 105.0 | 102.9 | 101.4 | 102.4 |
| 1928                                | 100.2 | 101.4 | 101.3 | 99.4  | 98.0  | 98.8  | 99.4  | 102.2 | 105.1 | 105.3 | 104.1 | 103.5 | 101.6 |
| 1929                                | 102.3 | 104.2 | 104.9 | 105.4 | 103.8 | 104.3 | 105.5 | 108.1 | 110.7 | 110.1 | 105.4 | 103.5 | 105.8 |
| 1930                                | 101.3 | 101.1 | 100.5 | 99.6  | 97.3  | 96.3  | 94.2  | 95.3  | 98.6  | 96.2  | 92.2  | 89.8  | 96.9  |
| 1931                                | 87.5  | 88.7  | 89.5  | 89.4  | 85.9  | 87.4  | 87.8  | 89.5  | 91.0  | 88.1  | 84.3  | 83.2  | 87.0  |
| 1932                                | 81.4  | 83.0  | 82.2  | 79.5  | 75.9  | 73.4  | 71.5  | 76.9  | 82.2  | 83.9  | 81.8  | 79.8  | 79.2  |
| 1933                                | 78.2  | 79.9  | 77.1  | 79.3  | 82.2  | 87.3  | 92.2  | 95.8  | 100.7 | 100.1 | 95.3  | 82.0  | 88.4  |
| 1934                                | 90.8  | 96.1  | 98.8  | 99.0  | 97.5  | 95.7  | 94.3  | 98.2  | 92.9  | 98.9  | 95.7  | 95.9  | 90.2  |
| 1935                                | 95.2  | 97.4  | 97.9  | 97.4  | 94.9  | 93.7  | 94.4  | 98.5  | 101.7 | 100.4 | 97.9  | 97.3  | 97.2  |
| 1936                                | 95.3  | 95.7  | 96.2  | 96.5  | 96.0  | 96.9  |       |       |       |       |       |       |       |
| PAY ROLLS                           |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1923                                | 98.9  | 101.0 | 104.5 | 103.4 | 105.3 | 104.7 | 102.0 | 100.9 | 102.9 | 103.4 | 100.6 | 101.3 | 102.4 |
| 1924                                | 99.7  | 102.3 | 100.9 | 96.9  | 93.9  | 91.1  | 87.3  | 91.7  | 96.6  | 97.5  | 95.7  | 100.2 | 96.2  |
| 1925                                | 99.8  | 102.2 | 103.4 | 99.1  | 99.3  | 98.2  | 98.8  | 102.0 | 101.0 | 104.9 | 103.9 | 104.4 | 101.4 |
| 1926                                | 103.5 | 105.0 | 105.6 | 101.7 | 100.2 | 101.1 | 98.7  | 102.8 | 105.7 | 108.9 | 105.0 | 108.4 | 103.6 |
| 1927                                | 104.4 | 108.3 | 108.6 | 105.7 | 105.1 | 105.6 | 104.0 | 107.1 | 108.9 | 103.5 | 104.8 | 106.2 | 106.4 |
| 1928                                | 103.9 | 106.5 | 106.4 | 101.3 | 100.6 | 102.3 | 101.5 | 104.8 | 107.7 | 109.7 | 103.1 | 108.1 | 104.9 |
| 1929                                | 105.5 | 109.8 | 111.1 | 110.1 | 106.3 | 109.0 | 107.0 | 111.1 | 114.0 | 113.8 | 106.8 | 105.2 | 109.4 |
| 1930                                | 102.4 | 103.3 | 102.8 | 100.1 | 97.4  | 95.5  | 91.5  | 92.5  | 95.2  | 92.4  | 86.9  | 85.8  | 95.6  |
| 1931                                | 82.8  | 86.5  | 87.9  | 86.0  | 84.8  | 82.4  | 81.1  | 82.3  | 80.7  | 77.7  | 73.0  | 72.3  | 81.5  |
| 1932                                | 68.9  | 70.7  | 69.4  | 63.9  | 59.1  | 56.1  | 52.8  | 56.4  | 62.1  | 63.8  | 60.5  | 57.4  | 61.7  |
| 1933                                | 54.6  | 56.4  | 52.2  | 54.8  | 58.2  | 63.3  | 67.3  | 73.5  | 78.3  | 77.7  | 72.4  | 70.4  | 64.9  |
| 1934                                | 68.7  | 77.1  | 80.4  | 80.1  | 78.3  | 75.4  | 74.1  | 78.4  | 74.6  | 80.0  | 77.0  | 79.8  | 77.1  |
| 1935                                | 79.3  | 82.7  | 84.1  | 82.5  | 79.4  | 77.9  | 78.2  | 83.0  | 87.2  | 86.6  | 82.9  | 85.3  | 82.5  |
| 1936                                | 82.4  | 82.9  | 84.9  | 83.5  | 83.8  | 83.7  |       |       |       |       |       |       |       |

<sup>1</sup> Includes iron and steel and their products; machinery; transportation equipment; railroad repair shops; nonferrous metals and their products; lumber and allied products; and stone, clay, and glass products.<sup>2</sup> Includes food and kindred products; textiles and their products; paper and printing; chemicals and allied products; leather and its manufactures; rubber products; and tobacco manufactures.

Source: Bureau of Labor Statistics, Department of Labor.

# No. 363.—INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS: By GROUPS OF INDUSTRIES, REVISED SERIES

NOTE.—Monthly average, 1923-25=100. See headnote, table 360

| Year and month | Em-<br>ploy-<br>ment                  | Pay<br>rolls | Em-<br>ploy-<br>ment                                    | Pay<br>rolls | Em-<br>ploy-<br>ment                          | Pay<br>rolls | Em-<br>ploy-<br>ment   | Pay<br>rolls | Em-<br>ploy-<br>ment                             | Pay<br>rolls | Em-<br>ploy-<br>ment        | Pay<br>rolls | Em-<br>ploy-<br>ment                 | Pay<br>rolls |
|----------------|---------------------------------------|--------------|---------------------------------------------------------|--------------|-----------------------------------------------|--------------|------------------------|--------------|--------------------------------------------------|--------------|-----------------------------|--------------|--------------------------------------|--------------|
|                | Food and<br>kindred<br>products       |              | Textiles and<br>their<br>products                       |              | Lumber and<br>allied<br>products              |              | Paper and<br>printing  |              | Chemicals<br>and allied<br>products <sup>1</sup> |              | Rubber<br>products          |              | Leather and<br>its manu-<br>factures |              |
| 1919.....      | 114.5                                 | 103.1        | 98.8                                                    | 89.8         | 94.3                                          | 89.8         | 96.0                   | 73.1         | (2)                                              | (2)          | (2)                         | (2)          | 108.1                                | 99.9         |
| 1920.....      | 109.6                                 | 113.7        | 99.0                                                    | 107.7        | 89.6                                          | 110.4        | 103.4                  | 99.1         | (2)                                              | (2)          | (2)                         | (2)          | 98.5                                 | 106.5        |
| 1921.....      | 93.3                                  | 93.6         | 92.6                                                    | 89.3         | 76.6                                          | 69.7         | 88.0                   | 82.5         | (2)                                              | (2)          | (2)                         | (2)          | 86.6                                 | 86.5         |
| 1922.....      | 96.5                                  | 91.6         | 97.3                                                    | 91.4         | 97.4                                          | 82.3         | 92.2                   | 85.9         | (2)                                              | (2)          | (2)                         | (2)          | 97.3                                 | 96.1         |
| 1923.....      | 101.4                                 | 99.8         | 105.2                                                   | 105.8        | 101.5                                         | 100.0        | 99.2                   | 96.2         | 102.9                                            | 102.2        | 102.6                       | 101.0        | 106.6                                | 106.9        |
| 1924.....      | 98.3                                  | 99.3         | 94.9                                                    | 93.8         | 98.3                                          | 98.5         | 99.7                   | 99.5         | 96.8                                             | 96.4         | 91.8                        | 92.9         | 96.3                                 | 95.3         |
| 1925.....      | 100.3                                 | 100.9        | 99.9                                                    | 100.4        | 100.2                                         | 101.5        | 101.1                  | 104.3        | 100.3                                            | 101.4        | 105.6                       | 106.1        | 97.1                                 | 97.8         |
| 1926.....      | 99.7                                  | 102.0        | 99.9                                                    | 100.2        | 100.3                                         | 102.4        | 104.1                  | 110.8        | 106.5                                            | 108.7        | 105.1                       | 107.0        | 96.6                                 | 98.9         |
| 1927.....      | 100.2                                 | 103.0        | 104.0                                                   | 108.8        | 93.9                                          | 96.6         | 104.1                  | 111.0        | 104.3                                            | 104.2        | 107.8                       | 105.7        | 110.0                                | 97.7         |
| 1928.....      | 103.8                                 | 106.3        | 101.3                                                   | 101.7        | 92.1                                          | 94.1         | 105.0                  | 112.3        | 103.0                                            | 108.0        | 111.1                       | 117.5        | 95.6                                 | 95.8         |
| 1929.....      | 111.1                                 | 112.9        | 104.8                                                   | 105.2        | 95.2                                          | 97.3         | 111.3                  | 119.5        | 115.7                                            | 120.9        | 111.0                       | 115.1        | 98.5                                 | 99.0         |
| 1930.....      | 107.8                                 | 108.0        | 92.9                                                    | 85.6         | 75.8                                          | 72.5         | 108.0                  | 114.6        | 109.4                                            | 112.2        | 85.9                        | 84.7         | 91.2                                 | 82.3         |
| 1931.....      | 95.6                                  | 92.0         | 87.2                                                    | 75.2         | 60.0                                          | 46.2         | 96.3                   | 97.3         | 95.4                                             | 92.9         | 73.9                        | 62.5         | 84.3                                 | 72.1         |
| 1932.....      | 88.0                                  | 75.0         | 77.9                                                    | 53.6         | 43.6                                          | 26.6         | 85.5                   | 74.8         | 85.5                                             | 71.7         | 67.6                        | 47.4         | 81.2                                 | 57.6         |
| 1933.....      | 100.3                                 | 78.7         | 90.5                                                    | 61.8         | 49.9                                          | 30.3         | 86.7                   | 98.3         | 97.5                                             | 76.2         | 79.1                        | 55.0         | 87.2                                 | 61.2         |
| 1934.....      | 114.5                                 | 95.1         | 94.4                                                    | 72.4         | 54.5                                          | 38.9         | 95.4                   | 78.5         | 110.7                                            | 91.6         | 88.4                        | 68.8         | 92.4                                 | 71.7         |
| 1935.....      | 100.4                                 | 94.4         | 98.4                                                    | 81.0         | 58.7                                          | 44.6         | 97.6                   | 84.2         | 111.9                                            | 98.9         | 85.6                        | 74.2         | 92.5                                 | 74.1         |
| 1934           |                                       |              |                                                         |              |                                               |              |                        |              |                                                  |              |                             |              |                                      |              |
| Jan.-Mar....   | 100.4                                 | 83.7         | 98.1                                                    | 74.2         | 52.3                                          | 33.5         | 93.6                   | 75.0         | 112.4                                            | 89.0         | 90.1                        | 70.1         | 93.3                                 | 75.5         |
| Apr.-June....  | 107.4                                 | 90.0         | 98.6                                                    | 76.5         | 55.2                                          | 38.7         | 95.8                   | 78.7         | 110.0                                            | 91.8         | 95.2                        | 77.1         | 95.2                                 | 75.7         |
| July-Sept....  | 131.4                                 | 106.3        | 85.7                                                    | 64.1         | 55.0                                          | 37.3         | 94.7                   | 77.7         | 109.2                                            | 91.9         | 86.1                        | 63.1         | 93.5                                 | 72.9         |
| Oct.-Dec....   | 118.8                                 | 100.3        | 95.1                                                    | 74.9         | 54.5                                          | 38.2         | 97.5                   | 82.8         | 111.2                                            | 93.7         | 82.2                        | 64.8         | 87.6                                 | 62.8         |
| 1935           |                                       |              |                                                         |              |                                               |              |                        |              |                                                  |              |                             |              |                                      |              |
| Jan.-Mar....   | 100.1                                 | 86.0         | 100.9                                                   | 84.6         | 54.6                                          | 38.3         | 97.0                   | 82.9         | 111.9                                            | 96.8         | 87.4                        | 78.0         | 95.7                                 | 78.5         |
| Apr.-June....  | 103.5                                 | 90.8         | 96.8                                                    | 77.5         | 56.2                                          | 40.1         | 99.9                   | 83.2         | 110.7                                            | 97.7         | 85.6                        | 72.7         | 91.6                                 | 71.8         |
| July-Sept....  | 124.2                                 | 104.3        | 95.3                                                    | 78.5         | 61.2                                          | 48.6         | 96.8                   | 82.5         | 110.6                                            | 99.6         | 83.0                        | 69.6         | 93.4                                 | 76.3         |
| Oct.-Dec....   | 109.8                                 | 96.6         | 100.4                                                   | 83.2         | 62.6                                          | 51.2         | 99.6                   | 88.2         | 114.4                                            | 102.6        | 86.3                        | 78.3         | 89.4                                 | 69.6         |
| 1936           |                                       |              |                                                         |              |                                               |              |                        |              |                                                  |              |                             |              |                                      |              |
| Jan.-Mar....   | 97.6                                  | 89.1         | 90.3                                                    | 82.7         | 59.9                                          | 47.3         | 98.5                   | 88.0         | 112.1                                            | 101.6        | 82.0                        | 73.2         | 93.6                                 | 75.7         |
| Apr.-June....  | 103.6                                 | 95.0         | 97.7                                                    | 88.8         | 63.9                                          | 54.2         | 99.1                   | 89.9         | 111.5                                            | 104.9        | 88.9                        | 86.1         | 88.6                                 | 65.4         |
|                |                                       |              |                                                         |              |                                               |              |                        |              |                                                  |              |                             |              |                                      |              |
|                | Stone, clay,<br>and glass<br>products |              | Iron and<br>steel and<br>their<br>products <sup>2</sup> |              | Nonferrous<br>metals and<br>their<br>products |              | Machinery <sup>3</sup> |              | Transporta-<br>tion equip-<br>ment               |              | Railroad<br>repair<br>shops |              | Tobacco<br>manufac-<br>tures         |              |
| 1919.....      | 86.4                                  | 72.1         | 99.9                                                    | 97.1         | (2)                                           | (2)          | 116.6                  | 103.3        | (2)                                              | (2)          | (2)                         | (2)          | 113.4                                | 107.6        |
| 1920.....      | 80.8                                  | 92.8         | 107.8                                                   | 123.8        | (2)                                           | (2)          | 128.6                  | 134.8        | (2)                                              | (2)          | (2)                         | (2)          | 111.3                                | 124.3        |
| 1921.....      | 72.2                                  | 69.6         | 96.6                                                    | 57.0         | (2)                                           | (2)          | 77.5                   | 69.6         | (2)                                              | (2)          | (2)                         | (2)          | 108.3                                | 104.5        |
| 1922.....      | 85.5                                  | 95.3         | 103.9                                                   | 103.2        | 105.4                                         | 103.7        | 81.7                   | 72.2         | (2)                                              | (2)          | (2)                         | (2)          | 105.8                                | 99.1         |
| 1923.....      | 98.9                                  | 95.3         | 103.9                                                   | 103.2        | 105.4                                         | 103.7        | 105.8                  | 104.1        | 107.6                                            | 107.7        | 108.8                       | 109.6        | 105.7                                | 104.1        |
| 1924.....      | 98.9                                  | 100.5        | 97.0                                                    | 98.7         | 96.7                                          | 96.9         | 94.9                   | 94.9         | 93.1                                             | 90.8         | 96.4                        | 95.6         | 98.8                                 | 99.4         |
| 1925.....      | 103.7                                 | 101.2        | 99.1                                                    | 100.1        | 97.9                                          | 100.4        | 99.3                   | 101.0        | 99.3                                             | 101.5        | 95.0                        | 94.8         | 95.5                                 | 96.5         |
| 1926.....      | 103.8                                 | 104.2        | 102.5                                                   | 105.0        | (2)                                           | (2)          | 107.4                  | 111.1        | 99.1                                             | 99.5         | 95.5                        | 96.1         | 90.9                                 | 92.1         |
| 1927.....      | 99.9                                  | 100.5        | 97.2                                                    | 98.6         | 96.5                                          | 100.6        | 102.4                  | 108.2        | 87.9                                             | 89.8         | 89.0                        | 92.0         | 93.4                                 | 91.0         |
| 1928.....      | 95.7                                  | 96.2         | 96.0                                                    | 100.4        | (2)                                           | (2)          | 104.9                  | 111.3        | 96.2                                             | 101.6        | 83.8                        | 87.2         | 90.7                                 | 86.1         |
| 1929.....      | 93.8                                  | 93.7         | 102.6                                                   | 107.8        | 111.4                                         | 116.4        | 125.9                  | 134.3        | 103.5                                            | 105.4        | 82.6                        | 90.4         | 83.9                                 | 81.8         |
| 1930.....      | 80.2                                  | 79.7         | 89.2                                                    | 85.7         | (2)                                           | (2)          | 104.9                  | 102.7        | 80.2                                             | 70.2         | 78.4                        | 78.1         | 78.3                                 | 72.7         |
| 1931.....      | 63.7                                  | 53.9         | 69.7                                                    | 55.0         | 74.0                                          | 63.1         | 78.3                   | 64.2         | 66.3                                             | 52.3         | 64.1                        | 61.7         | 72.1                                 | 60.1         |
| 1932.....      | 46.7                                  | 37.6         | 56.5                                                    | 30.4         | 60.4                                          | 40.3         | 50.7                   | 37.3         | 55.5                                             | 37.8         | 52.5                        | 42.2         | 65.6                                 | 48.2         |
| 1933.....      | 40.4                                  | 30.8         | 64.6                                                    | 39.0         | 66.7                                          | 43.8         | 60.8                   | 40.5         | 54.5                                             | 35.6         | 50.2                        | 40.3         | 63.1                                 | 44.1         |
| 1934.....      | 57.6                                  | 39.5         | 75.7                                                    | 52.0         | 81.1                                          | 58.8         | 80.0                   | 60.4         | 83.3                                             | 61.8         | 53.5                        | 46.5         | 66.2                                 | 48.8         |
| 1935.....      | 58.6                                  | 44.2         | 79.9                                                    | 63.6         | 90.2                                          | 70.9         | 89.7                   | 74.4         | 95.7                                             | 79.1         | 51.7                        | 48.8         | 61.3                                 | 47.7         |
| 1934           |                                       |              |                                                         |              |                                               |              |                        |              |                                                  |              |                             |              |                                      |              |
| Jan.-Mar....   | 54.1                                  | 35.9         | 73.4                                                    | 49.0         | 77.4                                          | 54.6         | 75.4                   | 54.5         | 83.6                                             | 62.8         | 52.0                        | 43.9         | 63.6                                 | 45.1         |
| Apr.-June....  | 61.9                                  | 43.7         | 82.2                                                    | 64.4         | 84.1                                          | 62.3         | 83.0                   | 64.7         | 98.8                                             | 77.6         | 57.0                        | 51.7         | 66.4                                 | 48.4         |
| July-Sept....  | 58.3                                  | 39.5         | 74.8                                                    | 47.3         | 79.9                                          | 56.1         | 81.1                   | 60.7         | 82.3                                             | 56.6         | 54.4                        | 46.8         | 67.3                                 | 50.8         |
| Oct.-Dec....   | 56.0                                  | 39.0         | 72.4                                                    | 47.3         | 83.1                                          | 62.2         | 80.6                   | 61.5         | 68.6                                             | 50.0         | 50.6                        | 43.7         | 67.4                                 | 51.1         |
| 1935           |                                       |              |                                                         |              |                                               |              |                        |              |                                                  |              |                             |              |                                      |              |
| Jan.-Mar....   | 53.5                                  | 37.8         | 77.0                                                    | 60.4         | 80.2                                          | 65.8         | 84.6                   | 67.6         | 99.6                                             | 81.8         | 50.8                        | 45.5         | 60.4                                 | 43.5         |
| Apr.-June....  | 59.3                                  | 44.4         | 70.0                                                    | 61.4         | 88.0                                          | 67.0         | 87.6                   | 71.3         | 100.9                                            | 83.6         | 51.5                        | 49.7         | 60.4                                 | 46.1         |
| July-Sept....  | 60.5                                  | 45.6         | 79.9                                                    | 61.8         | 82.2                                          | 68.3         | 90.6                   | 75.1         | 82.8                                             | 64.0         | 51.1                        | 47.1         | 61.6                                 | 49.6         |
| Oct.-Dec....   | 61.1                                  | 49.2         | 83.7                                                    | 70.6         | 98.3                                          | 82.5         | 96.0                   | 83.5         | 99.4                                             | 87.0         | 53.5                        | 53.0         | 62.8                                 | 51.6         |
| 1936           |                                       |              |                                                         |              |                                               |              |                        |              |                                                  |              |                             |              |                                      |              |
| Jan.-Mar....   | 56.5                                  | 44.2         | 83.5                                                    | 70.8         | 94.8                                          | 76.6         | 95.9                   | 84.1         | 100.9                                            | 82.9         | 56.0                        | 55.8         | 57.6                                 | 44.8         |
| Apr.-June....  | 64.9                                  | 54.6         | 88.5                                                    | 81.4         | 94.9                                          | 78.9         | 101.6                  | 93.6         | 105.1                                            | 99.6         | 58.1                        | 59.4         | 59.6                                 | 47.5         |

<sup>1</sup> Includes petroleum refining.<sup>2</sup> Not including machinery.<sup>3</sup> Data are not available.<sup>4</sup> Not including transportation equipment.

Source: Bureau of Labor Statistics, Department of Labor.

# No. 364.—INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS: By INDUSTRY GROUPS AND INDUSTRIES, REVISED SERIES

NOTE.—Monthly average, 1923-25=100. See headnote, table 360

| Industry group and industry                                        | Employment |       |       |       |       | Pay rolls |       |       |       |       |
|--------------------------------------------------------------------|------------|-------|-------|-------|-------|-----------|-------|-------|-------|-------|
|                                                                    | 1931       | 1932  | 1933  | 1934  | 1935  | 1931      | 1932  | 1933  | 1934  | 1935  |
| <b>Food and kindred products...</b>                                | 95.8       | 88.6  | 100.3 | 114.5 | 109.4 | 92.0      | 75.0  | 78.7  | 95.1  | 94.4  |
| Baking.....                                                        | 112.6      | 106.8 | 112.2 | 125.5 | 124.3 | 108.0     | 92.3  | 89.9  | 103.6 | 105.1 |
| Beverages.....                                                     | 85.5       | 79.1  | 138.2 | 175.8 | 172.7 | 83.1      | 71.2  | 131.9 | 173.7 | 177.0 |
| Butter.....                                                        | 82.0       | 80.6  | 86.7  | 91.4  | 82.3  | 79.1      | 68.3  | 63.8  | 65.8  | 61.5  |
| Canning and preserving.....                                        | 106.1      | 86.1  | 112.7 | 140.8 | 143.7 | 91.5      | 65.0  | 76.8  | 101.9 | 123.1 |
| Confectionery.....                                                 | 82.0       | 74.8  | 81.0  | 81.3  | 80.8  | 77.5      | 60.6  | 60.7  | 69.7  | 71.4  |
| Flour.....                                                         | 68.1       | 65.7  | 69.2  | 78.2  | 76.9  | 66.7      | 50.4  | 55.2  | 64.9  | 67.4  |
| Ice cream.....                                                     | 76.0       | 64.6  | 61.6  | 69.7  | 69.3  | 76.9      | 56.7  | 49.1  | 57.0  | 58.5  |
| <b>Slaughtering and meat packing.....</b>                          | 84.1       | 80.6  | 89.3  | 105.7 | 84.3  | 82.2      | 65.7  | 68.7  | 91.7  | 77.1  |
| Sugar, beet.....                                                   | 75.8       | 90.4  | 130.0 | 94.9  | 100.8 | 68.1      | 68.5  | 98.2  | 70.6  | 80.3  |
| Sugar refining, cane.....                                          | 80.3       | 73.9  | 77.9  | 85.5  | 80.8  | 79.6      | 66.5  | 62.7  | 65.0  | 66.8  |
| <b>Textiles and their products...</b>                              | 87.2       | 77.9  | 90.5  | 94.4  | 98.4  | 75.2      | 53.6  | 61.8  | 72.4  | 81.0  |
| Fabrics.....                                                       | 80.3       | 71.9  | 86.4  | 89.7  | 93.2  | 70.2      | 50.4  | 61.4  | 70.2  | 78.2  |
| Carpets and rugs.....                                              | 67.5       | 52.9  | 62.8  | 69.1  | 82.2  | 54.3      | 31.4  | 41.0  | 48.3  | 69.7  |
| Cotton goods.....                                                  | 74.5       | 67.1  | 85.9  | 91.2  | 87.8  | 61.0      | 43.9  | 60.2  | 71.0  | 72.0  |
| Cotton small wares.....                                            | 81.7       | 72.2  | 84.3  | 90.1  | 94.4  | 70.8      | 55.2  | 66.5  | 76.5  | 85.0  |
| Dyeing and finishing textiles.....                                 | 103.3      | 92.8  | 101.8 | 113.6 | 118.1 | 101.2     | 73.8  | 77.5  | 88.5  | 94.4  |
| Hats, fur-felt.....                                                | 89.6       | 72.6  | 79.8  | 82.8  | 85.8  | 82.5      | 54.5  | 59.5  | 66.8  | 70.5  |
| Knit goods.....                                                    | 96.0       | 94.1  | 102.3 | 107.7 | 112.5 | 92.2      | 75.5  | 81.4  | 98.0  | 103.2 |
| Silk and rayon goods.....                                          | 83.9       | 74.0  | 87.8  | 88.4  | 80.5  | 74.8      | 48.4  | 56.9  | 66.0  | 68.8  |
| Woolen and worsted goods.....                                      | 67.1       | 66.0  | 71.4  | 65.7  | 88.5  | 57.3      | 38.9  | 49.7  | 47.7  | 68.5  |
| <b>Wearing apparel.....</b>                                        | 99.7       | 89.1  | 97.7  | 102.9 | 107.8 | 80.6      | 57.2  | 60.0  | 74.0  | 83.0  |
| Clothing, men's.....                                               | 84.9       | 79.4  | 90.5  | 95.8  | 103.7 | 62.8      | 44.8  | 52.8  | 65.4  | 70.9  |
| Clothing, women's.....                                             | 135.8      | 115.9 | 125.1 | 136.0 | 142.8 | 110.5     | 70.4  | 74.5  | 94.8  | 102.7 |
| Corsets and allied garments.....                                   | 61.3       | 89.3  | 91.6  | 93.1  | 91.3  | 89.6      | 74.8  | 73.2  | 84.3  | 85.0  |
| Men's furnishings.....                                             | 120.1      | 103.8 | 110.7 | 113.1 | 115.4 | 109.5     | 75.2  | 79.1  | 92.5  | 94.5  |
| Millinery.....                                                     | 83.7       | 73.9  | 71.0  | 64.9  | 54.7  | 79.2      | 60.0  | 49.4  | 49.0  | 42.4  |
| Shirts and collars.....                                            | 104.0      | 91.0  | 103.1 | 104.4 | 108.5 | 82.7      | 58.0  | 68.3  | 85.2  | 96.9  |
| <b>Lumber and allied products...</b>                               | 56.0       | 43.6  | 49.9  | 54.5  | 58.7  | 46.2      | 26.6  | 30.3  | 36.9  | 44.6  |
| Furniture.....                                                     | 73.7       | 57.4  | 61.0  | 62.4  | 70.2  | 59.2      | 34.0  | 35.9  | 41.5  | 52.0  |
| Lumber, millwork.....                                              | 61.1       | 35.0  | 33.2  | 35.4  | 41.8  | 42.0      | 21.4  | 18.7  | 22.3  | 31.6  |
| Lumber, sawmills.....                                              | 41.1       | 31.7  | 39.6  | 45.0  | 46.4  | 33.6      | 18.4  | 24.4  | 30.9  | 34.9  |
| <b>Paper and printing.....</b>                                     | 96.3       | 85.5  | 86.7  | 95.4  | 97.6  | 97.3      | 74.8  | 68.3  | 78.5  | 84.2  |
| Boxes, paper.....                                                  | 81.8       | 73.5  | 83.0  | 91.5  | 93.4  | 79.0      | 62.4  | 67.7  | 81.1  | 86.6  |
| Paper and pulp.....                                                | 99.5       | 81.9  | 89.0  | 103.8 | 107.6 | 82.1      | 61.4  | 64.4  | 78.6  | 88.0  |
| <b>Printing and publishing:</b>                                    |            |       |       |       |       |           |       |       |       |       |
| Book and job.....                                                  | 100.7      | 85.3  | 78.5  | 84.7  | 80.8  | 90.1      | 72.4  | 60.6  | 70.0  | 75.8  |
| Newspapers and periodicals.....                                    | 101.8      | 92.9  | 95.4  | 98.6  | 99.3  | 108.0     | 88.6  | 78.6  | 85.9  | 88.6  |
| <b>Chemicals and allied products.....</b>                          | 95.4       | 85.5  | 97.5  | 110.7 | 111.9 | 92.0      | 71.7  | 76.2  | 91.6  | 98.9  |
| Other than petroleum refining.....                                 | 92.7       | 82.2  | 95.4  | 108.8 | 110.7 | 87.7      | 66.9  | 72.5  | 89.0  | 96.9  |
| Chemicals.....                                                     | 85.1       | 76.0  | 93.3  | 114.9 | 113.7 | 84.2      | 64.6  | 75.2  | 96.1  | 101.7 |
| Cottonseed—oil, cake, and meal.....                                | 84.5       | 95.2  | 98.1  | 92.0  | 78.0  | 88.5      | 70.5  | 57.1  | 61.6  | 57.8  |
| Druggists' preparations.....                                       | 103.2      | 92.3  | 94.7  | 105.2 | 102.9 | 105.3     | 85.3  | 86.7  | 98.1  | 102.0 |
| Explosives.....                                                    | 80.4       | 63.6  | 70.8  | 87.6  | 81.8  | 66.9      | 43.0  | 49.6  | 68.2  | 70.6  |
| Fertilizers.....                                                   | 78.8       | 56.5  | 70.7  | 92.4  | 88.3  | 73.4      | 43.7  | 44.0  | 64.8  | 69.1  |
| Paints and varnishes.....                                          | 94.4       | 87.3  | 85.9  | 112.2 | 120.0 | 90.3      | 71.1  | 73.0  | 89.5  | 101.9 |
| Rayon and allied products.....                                     | 241.9      | 214.3 | 276.7 | 302.3 | 337.0 | 188.4     | 146.2 | 190.3 | 227.3 | 235.0 |
| Soap.....                                                          | 87.4       | 82.7  | 88.3  | 98.6  | 90.2  | 90.2      | 74.4  | 71.9  | 85.5  | 93.9  |
| Petroleum refining.....                                            | 106.2      | 98.7  | 106.5 | 118.3 | 116.7 | 105.8     | 87.5  | 88.4  | 100.3 | 105.0 |
| <b>Rubber products.....</b>                                        | 73.9       | 67.6  | 79.1  | 88.4  | 85.6  | 62.5      | 47.4  | 55.0  | 68.8  | 74.2  |
| Rubber boots and shoes.....                                        | 53.2       | 59.6  | 72.0  | 76.8  | 67.5  | 48.6      | 42.4  | 51.0  | 55.4  | 61.2  |
| Rubber goods, other than boots, shoes, tires, and inner tubes..... | 102.3      | 91.3  | 105.3 | 114.3 | 116.6 | 80.9      | 68.1  | 75.3  | 87.7  | 98.3  |
| Tires and inner tubes.....                                         | 64.9       | 59.8  | 69.9  | 80.9  | 77.9  | 56.2      | 41.2  | 48.8  | 65.5  | 71.4  |
| <b>Leather and its manufactures.....</b>                           | 84.3       | 81.2  | 87.2  | 92.4  | 92.5  | 73.1      | 57.6  | 61.2  | 71.7  | 74.1  |
| Boots and shoes.....                                               | 85.3       | 84.5  | 89.8  | 94.1  | 93.1  | 70.2      | 58.3  | 61.1  | 71.2  | 70.3  |
| Leather.....                                                       | 76.9       | 68.8  | 80.7  | 90.5  | 94.9  | 72.5      | 54.0  | 63.0  | 76.1  | 89.0  |
| <b>Stone, clay, and glass products.....</b>                        | 63.7       | 49.7  | 49.4  | 57.6  | 58.6  | 53.9      | 30.6  | 30.8  | 32.5  | 44.2  |
| Brick, tile, and terra cotta.....                                  | 50.2       | 31.8  | 31.3  | 34.8  | 36.3  | 35.2      | 15.5  | 15.0  | 20.0  | 24.2  |
| Cement.....                                                        | 65.8       | 45.8  | 42.8  | 51.7  | 52.0  | 56.9      | 29.8  | 26.4  | 37.7  | 39.7  |
| Glass.....                                                         | 71.5       | 59.6  | 71.3  | 91.6  | 90.3  | 66.5      | 45.5  | 52.0  | 70.7  | 81.6  |
| Marble, granite, slate, and other products.....                    | 72.2       | 47.9  | 43.1  | 39.6  | 34.2  | 68.8      | 35.3  | 27.7  | 26.5  | 24.5  |
| Pottery.....                                                       | 72.3       | 58.6  | 63.2  | 72.2  | 72.6  | 56.4      | 35.9  | 37.4  | 46.4  | 52.1  |

No. 364.—INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING ESTABLISHMENTS: BY INDUSTRY GROUPS AND INDUSTRIES, REVISED SERIES—Continued

| Industry group and industry                                            | Employment |       |       |       |       | Pay rolls |       |       |       |       |
|------------------------------------------------------------------------|------------|-------|-------|-------|-------|-----------|-------|-------|-------|-------|
|                                                                        | 1931       | 1932  | 1933  | 1934  | 1935  | 1931      | 1932  | 1933  | 1934  | 1935  |
| <b>Iron and steel and their products, not incl. machinery</b> .....    | 69.7       | 58.5  | 64.6  | 75.7  | 79.9  | 55.0      | 30.4  | 39.0  | 52.0  | 63.6  |
| Blast furnaces, steel works, and rolling mills.....                    | 68.4       | 57.8  | 71.0  | 83.6  | 88.4  | 53.6      | 27.4  | 40.5  | 55.4  | 69.8  |
| Bolts, nuts, washers, and rivets.....                                  | 74.2       | 55.2  | 59.8  | 66.4  | 67.6  | 56.2      | 32.5  | 39.5  | 51.4  | 61.4  |
| Cast-iron pipe.....                                                    | 71.5       | 46.3  | 42.1  | 54.5  | 53.6  | 55.1      | 25.1  | 22.1  | 30.5  | 31.1  |
| Cutlery (not including silver and plated cutlery), and edge tools..... | 74.2       | 67.4  | 64.5  | 77.0  | 77.3  | 60.4      | 47.2  | 43.8  | 56.5  | 62.1  |
| Forgings—iron and steel.....                                           | 41.9       | 32.1  | 33.4  | 46.4  | 51.9  | 32.5      | 17.9  | 20.9  | 34.7  | 42.0  |
| Hardware.....                                                          | 70.3       | 58.9  | 63.4  | 71.0  | 60.7  | 58.9      | 38.4  | 42.0  | 54.2  | 54.0  |
| Plumbers' supplies.....                                                | 65.1       | 48.3  | 52.6  | 52.2  | 75.4  | 48.0      | 27.3  | 30.3  | 31.6  | 51.1  |
| Steam and hot-water heating apparatus and steam fittings.....          | 67.1       | 47.4  | 51.6  | 49.6  | 54.8  | 46.3      | 26.8  | 30.6  | 34.3  | 41.4  |
| Stoves.....                                                            | 69.4       | 55.0  | 64.3  | 82.0  | 92.7  | 58.4      | 33.4  | 40.8  | 56.0  | 70.9  |
| Structural and ornamental metal work.....                              | 76.0       | 49.7  | 48.3  | 53.6  | 53.4  | 61.5      | 29.9  | 23.9  | 36.0  | 39.0  |
| Tin cans and other tinware.....                                        | 83.7       | 73.3  | 77.3  | 89.2  | 92.5  | 83.3      | 65.8  | 67.6  | 81.1  | 87.9  |
| Tools, not including edge tools, machine tools, files and saws.....    | 60.4       | 48.8  | 53.5  | 64.7  | 70.6  | 51.1      | 33.2  | 37.2  | 52.9  | 65.4  |
| Wirework.....                                                          | 95.6       | 87.6  | 97.9  | 118.4 | 120.2 | 80.6      | 56.8  | 65.6  | 89.4  | 100.6 |
| <b>Nonferrous metals and their products</b> .....                      | 74.0       | 60.4  | 66.7  | 81.1  | 90.2  | 63.1      | 40.3  | 43.8  | 58.8  | 70.9  |
| Aluminum manufactures.....                                             | 90.2       | 73.0  | 89.1  | 91.8  | 95.8  | 81.3      | 46.7  | 60.1  | 66.3  | 79.6  |
| Brass, bronze, and copper products.....                                | 74.9       | 62.5  | 73.4  | 84.9  | 93.0  | 60.3      | 39.1  | 48.0  | 61.7  | 73.9  |
| Clocks, watches, and time-recording devices.....                       | 74.3       | 58.1  | 58.9  | 79.2  | 94.6  | 62.2      | 38.0  | 39.7  | 62.4  | 80.1  |
| Jewelry.....                                                           | 74.1       | 59.5  | 59.3  | 72.1  | 78.4  | 65.6      | 42.8  | 37.7  | 50.0  | 54.9  |
| Lighting equipment.....                                                | 65.3       | 47.0  | 46.5  | 59.0  | 68.2  | 60.4      | 35.3  | 31.6  | 44.2  | 55.9  |
| Silverware and plated ware.....                                        | 65.3       | 53.7  | 54.1  | 67.2  | 68.7  | 54.3      | 36.8  | 35.1  | 49.0  | 53.0  |
| Smelting and refining—copper, lead, and zinc.....                      | 54.4       | 41.4  | 42.9  | 59.1  | 70.2  | 45.9      | 26.6  | 27.4  | 39.8  | 50.8  |
| Stamped and enameled ware.....                                         | 36.4       | 79.5  | 97.2  | 119.4 | 132.2 | 76.8      | 56.5  | 66.7  | 90.3  | 110.3 |
| <b>Machinery, not including transportation equipment</b> .....         | 78.3       | 57.0  | 60.8  | 80.0  | 89.7  | 64.2      | 37.3  | 40.5  | 60.4  | 74.4  |
| Agricultural implements.....                                           | 62.3       | 36.8  | 39.6  | 68.7  | 99.9  | 51.9      | 26.9  | 26.7  | 62.5  | 100.9 |
| Cash registers, adding machines, and calculating machines.....         | 87.3       | 74.9  | 78.2  | 100.5 | 103.0 | 69.1      | 52.5  | 60.1  | 83.6  | 90.6  |
| Electrical machinery, apparatus, and supplies.....                     | 80.9       | 60.6  | 58.8  | 72.5  | 80.6  | 68.7      | 39.7  | 38.9  | 54.4  | 67.2  |
| Engines, turbines, tractors, and water wheels.....                     | 68.1       | 43.5  | 47.0  | 72.4  | 101.3 | 54.0      | 27.4  | 32.5  | 54.5  | 84.4  |
| Foundry and machine-shop products.....                                 | 69.7       | 51.1  | 54.6  | 70.4  | 76.9  | 55.4      | 31.9  | 34.9  | 52.3  | 62.7  |
| Machine tools.....                                                     | 74.7       | 42.1  | 44.9  | 73.0  | 93.2  | 61.5      | 28.6  | 30.9  | 56.1  | 80.1  |
| Radio and phonographs.....                                             | 124.4      | 80.4  | 112.1 | 167.6 | 173.6 | 96.5      | 60.5  | 81.4  | 114.0 | 124.4 |
| Textile machinery and parts.....                                       | 61.3       | 48.4  | 60.5  | 68.5  | 64.0  | 54.3      | 35.1  | 47.9  | 55.3  | 53.8  |
| Typewriters and parts.....                                             | 77.8       | 61.6  | 68.5  | 101.1 | 107.0 | 90.0      | 35.8  | 44.1  | 83.2  | 87.5  |
| <b>Transportation equipment</b> .....                                  | 66.3       | 55.5  | 54.5  | 83.3  | 95.7  | 62.3      | 37.8  | 35.8  | 61.8  | 79.1  |
| Aircraft.....                                                          | 353.1      | 244.2 | 279.6 | 312.8 | 374.7 | 354.8     | 234.3 | 236.2 | 253.2 | 236.8 |
| Automobiles.....                                                       | 71.0       | 60.5  | 60.6  | 94.5  | 110.4 | 53.4      | 38.8  | 38.3  | 63.2  | 89.5  |
| Cars, electric and steam railroad.....                                 | 20.6       | 24.9  | 22.5  | 39.1  | 39.3  | 25.4      | 20.5  | 14.6  | 31.3  | 34.1  |
| Locomotives.....                                                       | 28.0       | 17.7  | 12.2  | 25.7  | 23.9  | 18.1      | 9.0   | 6.0   | 14.0  | 13.2  |
| Shipbuilding.....                                                      | 83.0       | 66.7  | 56.8  | 71.7  | 76.5  | 70.8      | 54.1  | 42.1  | 58.6  | 68.5  |
| <b>Railroad repair shops</b> .....                                     | 64.1       | 59.5  | 50.2  | 58.5  | 51.7  | 61.7      | 42.0  | 40.3  | 46.5  | 48.8  |
| Electric railroad.....                                                 | 79.3       | 70.0  | 62.0  | 62.4  | 61.8  | 80.2      | 64.3  | 55.1  | 68.0  | 59.7  |
| Steam railroad.....                                                    | 62.9       | 51.1  | 49.2  | 52.8  | 51.0  | 60.4      | 40.4  | 39.3  | 45.8  | 48.2  |
| <b>Tobacco manufactures</b> .....                                      | 72.1       | 65.6  | 63.1  | 66.2  | 61.3  | 60.1      | 48.2  | 44.1  | 43.8  | 47.7  |
| Chewing and smoking tobacco and snuff.....                             | 71.9       | 71.0  | 64.2  | 64.6  | 57.9  | 69.0      | 62.4  | 56.0  | 59.7  | 58.7  |
| Cigars and cigarettes.....                                             | 72.1       | 64.9  | 62.9  | 66.3  | 61.6  | 58.9      | 46.4  | 42.6  | 47.5  | 46.4  |

Source: Bureau of Labor Statistics, Department of Labor.

# No. 365.—INDEXES OF FACTORY EMPLOYMENT AND PAY ROLLS IN SPECIFIED STATES

NOTE.—Index numbers for New Jersey, Pennsylvania, and Delaware, relative to monthly average of the years 1923-25 as 100; for Massachusetts, New York, Illinois, and Wisconsin, monthly average of the years 1925-27. Reports cover the week ending nearest the 15th of the month, except for New York prior to 1935 which covered the week including the 15th of the month. The indexes are not adjusted for seasonal variation, and are unweighted, except for Pennsylvania and Wisconsin as stated in footnotes.

| Year and month | Employment                 |                       |                         |                           |                       |                       | Pay rolls              |                            |                       |                         |                           |                       |                       |                        |
|----------------|----------------------------|-----------------------|-------------------------|---------------------------|-----------------------|-----------------------|------------------------|----------------------------|-----------------------|-------------------------|---------------------------|-----------------------|-----------------------|------------------------|
|                | Massachusetts <sup>1</sup> | New York <sup>2</sup> | New Jersey <sup>3</sup> | Pennsylvania <sup>4</sup> | Delaware <sup>5</sup> | Illinois <sup>6</sup> | Wisconsin <sup>7</sup> | Massachusetts <sup>1</sup> | New York <sup>2</sup> | New Jersey <sup>3</sup> | Pennsylvania <sup>4</sup> | Delaware <sup>5</sup> | Illinois <sup>6</sup> | Wisconsin <sup>7</sup> |
| 1923.....      | -----                      | 111.9                 | 104.4                   | 106.6                     | 110.1                 | 112.5                 | 102.1                  | -----                      | 105.6                 | 102.2                   | 106.7                     | 106.4                 | 106.6                 | 96.8                   |
| 1924.....      | -----                      | 102.0                 | 96.6                    | 95.9                      | 91.3                  | 103.1                 | 97.4                   | -----                      | 97.9                  | 96.0                    | 95.0                      | 92.1                  | 95.3                  | 93.0                   |
| 1925.....      | 100.1                      | 101.3                 | 99.1                    | 97.5                      | 98.7                  | 99.8                  | 101.4                  | 99.5                       | 99.2                  | 101.8                   | 98.3                      | 101.4                 | 97.9                  | 101.4                  |
| 1926.....      | 102.0                      | 101.4                 | 101.7                   | 99.4                      | 103.9                 | 103.1                 | 101.7                  | 101.8                      | 102.0                 | 108.1                   | 102.7                     | 105.3                 | 104.2                 | 102.2                  |
| 1927.....      | 97.9                       | 97.3                  | 95.0                    | 95.7                      | 101.7                 | 97.1                  | 98.8                   | 98.7                       | 98.8                  | 100.7                   | 97.0                      | 98.1                  | 98.0                  | 96.4                   |
| 1928.....      | 91.6                       | 93.4                  | 90.9                    | 92.7                      | 103.7                 | 95.3                  | 98.2                   | 92.9                       | 95.4                  | 94.6                    | 93.1                      | 98.2                  | 95.2                  | 93.1                   |
| 1929.....      | 94.3                       | 97.9                  | 103.2                   | 98.4                      | 112.2                 | 102.6                 | 100.1                  | 97.4                       | 101.7                 | 107.8                   | 102.1                     | 112.9                 | 101.3                 | 100.8                  |
| 1930.....      | 81.5                       | 86.0                  | 83.9                    | 89.5                      | 103.1                 | 88.4                  | 87.8                   | 78.6                       | 85.0                  | 94.9                    | 85.3                      | 101.4                 | 77.6                  | 80.1                   |
| 1931.....      | 73.5                       | 73.4                  | 78.3                    | 74.0                      | 81.9                  | 71.0                  | 75.1                   | 65.0                       | 67.1                  | 71.2                    | 61.3                      | 73.2                  | 59.8                  | 60.1                   |
| 1932.....      | 59.3                       | 59.2                  | 64.8                    | 63.5                      | 71.7                  | 58.5                  | 63.0                   | 44.6                       | 40.5                  | 50.4                    | 41.1                      | 61.4                  | 34.3                  | 40.3                   |
| 1933.....      | 67.5                       | 61.4                  | 66.0                    | 66.5                      | 81.3                  | 59.9                  | 69.7                   | 40.9                       | 46.4                  | 48.9                    | 44.3                      | 55.8                  | 35.6                  | 44.7                   |
| 1934.....      | 71.8                       | 70.8                  | 75.5                    | 73.9                      | 90.5                  | 70.6                  | 80.8                   | 57.3                       | 50.7                  | 58.1                    | 58.7                      | 65.2                  | 47.1                  | 50.0                   |
| 1935.....      | 74.1                       | 74.4                  | 75.7                    | 76.7                      | 89.2                  | 74.3                  | 87.1                   | 63.0                       | 62.6                  | 62.6                    | 63.6                      | 60.3                  | 54.0                  | 72.3                   |
| 1934.....      | -----                      | -----                 | -----                   | -----                     | -----                 | -----                 | -----                  | -----                      | -----                 | -----                   | -----                     | -----                 | -----                 | -----                  |
| March.....     | 75.1                       | 72.2                  | 75.0                    | 74.7                      | 92.7                  | 69.1                  | 79.3                   | 61.1                       | 58.3                  | 57.0                    | 57.6                      | 60.2                  | 45.2                  | 58.9                   |
| June.....      | 71.2                       | 71.1                  | 76.9                    | 75.6                      | 94.7                  | 72.7                  | 84.1                   | 56.3                       | 57.0                  | 59.6                    | 61.7                      | 69.5                  | 49.9                  | 84.0                   |
| September..... | 78.2                       | 71.4                  | 76.7                    | 72.8                      | 91.2                  | 74.2                  | 80.9                   | 54.6                       | 57.3                  | 59.0                    | 53.3                      | 65.1                  | 48.6                  | 67.8                   |
| December.....  | 72.2                       | 71.1                  | 75.3                    | 74.7                      | 84.6                  | 69.9                  | 80.6                   | 59.9                       | 58.0                  | 59.7                    | 58.3                      | 61.2                  | 48.2                  | 62.5                   |
| 1935.....      | -----                      | -----                 | -----                   | -----                     | -----                 | -----                 | -----                  | -----                      | -----                 | -----                   | -----                     | -----                 | -----                 | -----                  |
| January.....   | 73.2                       | 70.6                  | 73.1                    | 74.3                      | 84.4                  | 60.9                  | 81.3                   | 61.3                       | 58.3                  | 58.1                    | 58.2                      | 61.7                  | 48.8                  | 62.0                   |
| February.....  | 74.9                       | 73.1                  | 73.8                    | 75.8                      | 83.2                  | 73.1                  | 84.0                   | 63.6                       | 60.9                  | 59.5                    | 62.0                      | 62.8                  | 52.7                  | 67.3                   |
| March.....     | 75.7                       | 74.3                  | 74.9                    | 76.8                      | 82.6                  | 74.3                  | 85.7                   | 65.1                       | 63.1                  | 61.5                    | 63.7                      | 61.5                  | 54.1                  | 69.3                   |
| April.....     | 75.1                       | 74.8                  | 74.5                    | 76.0                      | 84.3                  | 75.8                  | 85.1                   | 63.7                       | 62.0                  | 60.8                    | 63.0                      | 62.5                  | 54.6                  | 60.7                   |
| May.....       | 72.3                       | 73.7                  | 74.2                    | 75.6                      | 85.9                  | 74.8                  | 85.7                   | 60.9                       | 61.2                  | 60.9                    | 61.9                      | 62.7                  | 53.0                  | 69.4                   |
| June.....      | 70.6                       | 72.5                  | 72.4                    | 74.9                      | 90.3                  | 73.4                  | 86.6                   | 59.4                       | 60.2                  | 59.2                    | 59.8                      | 60.4                  | 52.3                  | 70.5                   |
| July.....      | 71.0                       | 72.1                  | 72.5                    | 75.0                      | 89.8                  | 72.4                  | 92.3                   | 59.9                       | 59.5                  | 58.8                    | 60.8                      | 65.1                  | 51.8                  | 76.2                   |
| August.....    | 72.8                       | 73.8                  | 75.9                    | 78.6                      | 102.8                 | 73.6                  | 90.4                   | 62.5                       | 62.5                  | 63.3                    | 63.9                      | 70.8                  | 53.5                  | 74.3                   |
| September..... | 74.6                       | 66.8                  | 78.0                    | 73.1                      | 96.1                  | 75.7                  | 89.5                   | 64.8                       | 65.9                  | 64.8                    | 65.0                      | 70.5                  | 55.0                  | 78.1                   |
| October.....   | 76.6                       | 77.8                  | 80.0                    | 79.4                      | 92.6                  | 75.9                  | 89.1                   | 65.9                       | 66.3                  | 67.6                    | 70.3                      | 70.4                  | 59.9                  | 77.1                   |
| November.....  | 76.3                       | 76.9                  | 80.5                    | 79.0                      | 88.4                  | 76.0                  | 88.2                   | 62.4                       | 64.3                  | 68.1                    | 68.5                      | 69.2                  | 50.5                  | 75.8                   |
| December.....  | 76.4                       | 76.2                  | 79.1                    | 78.9                      | 89.5                  | 76.6                  | 87.2                   | 63.8                       | 66.9                  | 68.1                    | 68.3                      | 72.3                  | 58.4                  | 77.3                   |
| 1936.....      | -----                      | -----                 | -----                   | -----                     | -----                 | -----                 | -----                  | -----                      | -----                 | -----                   | -----                     | -----                 | -----                 | -----                  |
| January.....   | 74.3                       | 75.2                  | 76.3                    | 78.9                      | 89.7                  | 75.8                  | 85.9                   | 64.3                       | 64.4                  | 65.2                    | 66.0                      | 71.9                  | 57.4                  | 75.2                   |
| February.....  | 75.3                       | 75.3                  | 76.1                    | 77.3                      | 89.1                  | 76.7                  | 87.1                   | 65.9                       | 64.5                  | 66.0                    | 67.2                      | 70.5                  | 58.3                  | 74.0                   |
| March.....     | 74.8                       | 77.2                  | 76.4                    | 77.6                      | 88.7                  | 77.8                  | 88.7                   | 65.3                       | 67.2                  | 66.4                    | 69.0                      | 69.9                  | 60.8                  | 70.2                   |
| April.....     | 74.5                       | 77.4                  | 77.0                    | 79.1                      | 88.3                  | 79.0                  | 89.6                   | 66.4                       | 67.4                  | 72.8                    | 70.8                      | 61.3                  | 78.0                  | 79.0                   |
| May.....       | 74.0                       | 77.5                  | 77.7                    | 79.2                      | 90.4                  | 80.3                  | 90.7                   | 65.4                       | 66.6                  | 68.8                    | 74.1                      | 73.5                  | 62.8                  | 80.4                   |
| June.....      | 73.4                       | 76.8                  | 78.3                    | 80.4                      | 94.6                  | 81.6                  | 91.8                   | 64.0                       | 66.3                  | 70.0                    | 75.9                      | 76.9                  | 64.4                  | 81.8                   |

<sup>1</sup> Compiled by Massachusetts Department of Labor and Industries, based upon monthly returns from approximately 1,660 manufacturing establishments employing about 55 percent of the factory wage earners in the State. Office workers assigned to productive departments are included, but not executives, salaried officers, etc. The employment indexes are adjusted to the annual State census of manufactures through 1924. Pay-roll indexes are based upon a computation of employment times average weekly earnings.

<sup>2</sup> Compiled by the New York State Department of Labor, based upon monthly reports from approximately 1,919 manufacturing firms who employ about 33 percent of all the factory workers in the State. Reports cover employees in both office and shop, including foremen. Executives and salesmen are omitted, and administrative and sales offices located away from the plants are not covered.

<sup>3</sup> Compiled by the Federal Reserve Bank of Philadelphia. For New Jersey, indexes are based upon monthly reports to the bank from 1923 to 1926 and since then, to the New Jersey Bureau of Statistics and Records of the Department of Labor. Current reports are from about 754 manufacturing plants which account for approximately 55 percent of all wage earners engaged in manufacturing industries of the State and 71 percent of the total wage payments. For Pennsylvania, indexes are based upon reports collected by the bank in cooperation with the U. S. Bureau of Labor Statistics and the Pennsylvania Department of Labor and Industry. Current reports are from around 2,200 manufacturing plants and represent about 54 percent of all workers and their earnings in the manufacturing industries of the State. Indexes are based upon reports collected by the bank in cooperation with the U. S. Bureau of Labor Statistics. Current reports are from about 68 manufacturing plants and represent approximately 56 percent of all workers engaged in manufacturing industries of the State and 62 percent of the total wage payments. The indexes for the three States have been adjusted to conform with the Federal Census of Manufactures data through 1931 and will be similarly adjusted to subsequent censuses.

<sup>4</sup> Compiled by the Illinois Department of Labor, based upon monthly reports from about 2,042 manufacturing plants covering wage earners (production employees) only. Reports represent approximately 47 percent of all wage earners engaged in manufacturing industries of the State and 45 percent of the total wage payments.

<sup>5</sup> Compiled by the Industrial Commission of Wisconsin, based upon monthly reports from a representative list of manufacturers who employ about two-thirds of the total factory wage earners (manual employees only) in the State. The indexes are weighted averages of relatives.

**No. 366.—WEEKLY EARNINGS OF FACTORY LABOR IN SPECIFIED STATES**

[Index numbers for New Jersey, Pennsylvania, and Delaware, relative to monthly average of the years 1923-25 as 100; for New York, Illinois, Wisconsin, and Massachusetts, monthly average of the years 1925-27. See also head note, table 365]

| Year and month | Average amount per week |          |           | Index numbers |          |            |              |          |          |           |
|----------------|-------------------------|----------|-----------|---------------|----------|------------|--------------|----------|----------|-----------|
|                | New York                | Illinois | Wisconsin | Massachusetts | New York | New Jersey | Pennsylvania | Delaware | Illinois | Wisconsin |
| 1923.....      | \$27.24                 | \$27.07  | \$23.97   | -----         | 94.4     | 99.8       | 101.8        | 99.8     | 95.4     | 93.8      |
| 1924.....      | 27.68                   | 27.55    | 24.40     | -----         | 95.9     | 99.5       | 98.6         | 100.8    | 97.2     | 95.4      |
| 1925.....      | 28.26                   | 27.93    | 25.56     | 99.4          | 97.9     | 100.7      | 99.6         | 99.4     | 98.5     | 100.0     |
| 1926.....      | 29.02                   | 28.67    | 25.67     | 99.8          | 100.6    | 105.9      | 102.5        | 101.8    | 101.1    | 100.4     |
| 1927.....      | 29.30                   | 28.49    | 25.45     | 100.8         | 101.5    | 109.0      | 102.6        | 103.1    | 100.5    | 99.6      |
| 1928.....      | 29.44                   | 28.43    | 26.04     | 101.4         | 102.0    | 109.8      | 103.1        | 102.6    | 100.2    | 101.9     |
| 1929.....      | 29.99                   | 28.66    | 25.90     | 103.3         | 103.9    | 113.0      | 106.9        | 106.7    | 101.1    | 100.6     |
| 1930.....      | 28.81                   | 27.16    | 23.33     | 96.4          | 99.5     | 111.3      | 98.1         | 103.2    | 95.8     | 90.3      |
| 1931.....      | 26.42                   | 23.59    | 20.02     | 88.3          | 91.2     | 101.7      | 81.1         | 93.9     | 83.2     | 78.4      |
| 1932.....      | 22.73                   | 18.67    | 15.30     | 75.0          | 78.5     | 88.4       | 63.0         | 75.9     | 65.8     | 60.2      |
| 1933.....      | 21.83                   | 18.20    | 15.31     | 73.5          | 75.4     | 83.5       | 65.9         | 72.6     | 64.2     | 60.1      |
| 1934.....      | 23.19                   | 20.42    | 18.29     | 79.9          | 80.1     | 86.4       | 76.6         | 78.0     | 72.0     | 71.4      |
| 1935.....      | 24.36                   | 22.14    | 20.99     | 85.0          | 84.1     | 92.2       | 82.2         | 78.5     | 78.1     | 81.6      |
| 1935           |                         |          |           |               |          |            |              |          |          |           |
| March.....     | 24.62                   | 22.04    | 20.33     | 86.0          | 85.0     | 91.9       | 82.4         | 78.6     | 77.7     | 79.3      |
| June.....      | 24.04                   | 21.65    | 20.72     | 84.1          | 83.0     | 91.3       | 79.4         | 77.6     | 76.3     | 80.8      |
| September..... | 24.83                   | 22.46    | 22.01     | 86.8          | 85.7     | 92.7       | 82.9         | 77.3     | 79.2     | 85.9      |
| December.....  | 25.02                   | 23.90    | 22.63     | 87.4          | 86.4     | 96.2       | 86.3         | 85.1     | 82.2     | 87.9      |
| 1936           |                         |          |           |               |          |            |              |          |          |           |
| March.....     | 25.20                   | 23.89    | 22.87     | 87.2          | 87.0     | 97.1       | 87.7         | 83.1     | 84.2     | 88.4      |
| June.....      | 25.00                   | 24.10    | 22.69     | 87.2          | 86.3     | 98.6       | 93.2         | 85.8     | 85.0     | 88.0      |

Sources: See footnotes 1 to 5, table 365.

**No. 367.—AVERAGE WEEKLY AND HOURLY EARNINGS: ALL WAGE EARNERS AND CLASSIFIED GROUPS OF LABOR, 25 MANUFACTURING INDUSTRIES**

NOTE.—Index numbers based on 1923 as 100. Data cover a representative number of plants which employed 1,532,000 workers during June 1936. The earnings are computed by weighting the average earnings in each industry according to the relative importance of the industry as revealed by the Federal Biennial Census of Manufactures for 1923. In addition, each labor group is weighted according to the relative proportion of the group in each industry as revealed in the Conference Board's studies during the 3-year period 1927-29. The pay-roll data are based upon the first full week in each month, or, if a generally recognized holiday falls in that week, upon the succeeding week

| Year                   | All wage earners |              | Male, unskilled |              | Male, skilled and semiskilled |              | Female        |              |
|------------------------|------------------|--------------|-----------------|--------------|-------------------------------|--------------|---------------|--------------|
|                        | Actual amount    | Index number | Actual amount   | Index number | Actual amount                 | Index number | Actual amount | Index number |
| <b>WEEKLY EARNINGS</b> |                  |              |                 |              |                               |              |               |              |
| 1923.....              | \$26.61          | 100.0        | \$22.28         | 100.0        | \$30.81                       | 100.0        | \$17.24       | 100.0        |
| 1924.....              | 26.43            | 99.3         | 22.41           | 100.6        | 30.55                         | 99.2         | 16.75         | 97.2         |
| 1925.....              | 27.08            | 101.8        | 22.93           | 102.9        | 31.29                         | 101.6        | 17.17         | 99.6         |
| 1926.....              | 27.42            | 103.0        | 23.21           | 104.2        | 31.61                         | 102.6        | 17.27         | 100.2        |
| 1927.....              | 27.53            | 103.5        | 23.54           | 105.7        | 31.51                         | 102.3        | 17.37         | 100.8        |
| 1928.....              | 27.80            | 104.5        | 23.89           | 107.2        | 31.94                         | 103.7        | 17.15         | 99.5         |
| 1929.....              | 28.55            | 107.3        | 24.40           | 109.5        | 32.60                         | 105.8        | 17.61         | 102.1        |
| 1930.....              | 25.84            | 97.1         | 21.90           | 98.3         | 29.17                         | 94.7         | 15.98         | 92.7         |
| 1931.....              | 22.62            | 85.0         | 19.18           | 86.1         | 26.05                         | 81.3         | 14.69         | 85.2         |
| 1932.....              | 17.05            | 64.1         | 14.48           | 65.0         | 19.48                         | 63.2         | 11.73         | 68.0         |
| 1933.....              | 17.71            | 66.6         | 14.91           | 66.9         | 20.27                         | 65.8         | 12.35         | 71.6         |
| 1934.....              | 20.12            | 75.6         | 16.42           | 73.7         | 22.40                         | 72.7         | 14.44         | 83.8         |
| 1935.....              | 22.28            | 83.7         | 18.28           | 82.0         | 24.93                         | 80.9         | 15.28         | 88.6         |
| <b>HOURLY EARNINGS</b> |                  |              |                 |              |                               |              |               |              |
| 1923.....              | .541             | 100.0        | .448            | 100.0        | .619                          | 100.0        | .383          | 100.0        |
| 1924.....              | .562             | 103.9        | .458            | 103.4        | .644                          | 104.0        | .393          | 102.6        |
| 1925.....              | .561             | 103.7        | .455            | 102.7        | .644                          | 104.0        | .389          | 101.6        |
| 1926.....              | .568             | 105.0        | .461            | 104.1        | .652                          | 105.3        | .398          | 103.9        |
| 1927.....              | .576             | 106.5        | .471            | 106.3        | .655                          | 106.0        | .398          | 103.9        |
| 1928.....              | .579             | 107.0        | .474            | 107.0        | .659                          | 106.5        | .396          | 103.4        |
| 1929.....              | .590             | 109.0        | .486            | 109.7        | .668                          | 107.9        | .398          | 103.9        |
| 1930.....              | .589             | 108.9        | .478            | 107.9        | .663                          | 107.1        | .395          | 103.1        |
| 1931.....              | .564             | 104.3        | .450            | 103.8        | .634                          | 102.4        | .371          | 96.9         |
| 1932.....              | .498             | 92.1         | .400            | 90.3         | .559                          | 90.3         | .325          | 84.9         |
| 1933.....              | .491             | 90.8         | .401            | 90.5         | .550                          | 88.9         | .340          | 88.8         |
| 1934.....              | .581             | 107.4        | .478            | 107.9        | .642                          | 103.7        | .425          | 111.0        |
| 1935.....              | .600             | 110.9        | .494            | 111.5        | .662                          | 106.9        | .434          | 113.3        |

Source: National Industrial Conference Board (Inc.).



## No. 368.—INDEXES OF EMPLOYMENT AND PAY ROLLS IN NONMANUFACTURING INDUSTRIES AND BUSINESS

[Monthly average 1929=100]

| Year and month | Em-<br>ploy-<br>ment | Pay<br>rolls                                                                            | Em-<br>ploy-<br>ment           | Pay<br>rolls                    | Em-<br>ploy-<br>ment         | Pay<br>rolls              | Em-<br>ploy-<br>ment                     | Pay<br>rolls                      | Em-<br>ploy-<br>ment             | Pay<br>rolls           | Em-<br>ploy-<br>ment            | Pay<br>rolls                        | Em-<br>ploy-<br>ment                                   | Pay<br>rolls | Em-<br>ploy-<br>ment | Pay<br>rolls |
|----------------|----------------------|-----------------------------------------------------------------------------------------|--------------------------------|---------------------------------|------------------------------|---------------------------|------------------------------------------|-----------------------------------|----------------------------------|------------------------|---------------------------------|-------------------------------------|--------------------------------------------------------|--------------|----------------------|--------------|
|                | Anthracite<br>mining |                                                                                         | Bitumi-<br>nous<br>coal mining |                                 | Metallif-<br>erous<br>mining |                           | Quarrying<br>and nonme-<br>tallif mining |                                   | Crude pe-<br>roleum<br>producing |                        | Telephone<br>and tele-<br>graph |                                     | Electric<br>light and<br>power and<br>manufactured gas |              |                      |              |
|                |                      |                                                                                         |                                |                                 |                              |                           |                                          |                                   |                                  |                        |                                 |                                     |                                                        |              |                      |              |
| 1930.....      | 93.4                 | 95.3                                                                                    | 93.4                           | 81.3                            | 83.2                         | 78.0                      | 84.3                                     | 79.3                              | 87.4                             | 86.9                   | 97.9                            | 102.0                               | 103.0                                                  | 104.3        |                      |              |
| 1931.....      | 80.5                 | 75.4                                                                                    | 83.2                           | 57.5                            | 59.1                         | 44.8                      | 67.4                                     | 53.4                              | 65.7                             | 61.7                   | 85.6                            | 93.7                                | 95.6                                                   | 96.7         |                      |              |
| 1932.....      | 62.5                 | 53.7                                                                                    | 67.4                           | 35.6                            | 36.5                         | 21.6                      | 49.0                                     | 29.1                              | 65.3                             | 44.1                   | 79.1                            | 81.1                                | 89.0                                                   | 79.8         |                      |              |
| 1933.....      | 51.7                 | 45.8                                                                                    | 67.9                           | 37.8                            | 34.6                         | 20.6                      | 44.9                                     | 24.7                              | 62.2                             | 44.1                   | 70.4                            | 68.2                                | 78.8                                                   | 72.0         |                      |              |
| 1934.....      | 59.6                 | 55.9                                                                                    | 77.2                           | 54.2                            | 41.6                         | 26.7                      | 48.9                                     | 20.6                              | 77.7                             | 56.0                   | 70.3                            | 71.5                                | 83.8                                                   | 77.9         |                      |              |
| 1935.....      | 53.2                 | 47.5                                                                                    | 76.7                           | 58.2                            | 47.3                         | 33.9                      | 46.0                                     | 30.7                              | 74.0                             | 57.9                   | 70.1                            | 74.5                                | 84.8                                                   | 81.4         |                      |              |
| 1935           |                      |                                                                                         |                                |                                 |                              |                           |                                          |                                   |                                  |                        |                                 |                                     |                                                        |              |                      |              |
| January.....   | 62.9                 | 57.5                                                                                    | 80.0                           | 59.0                            | 44.3                         | 30.1                      | 38.9                                     | 20.8                              | 74.9                             | 55.5                   | 70.5                            | 73.9                                | 82.7                                                   | 78.0         |                      |              |
| February.....  | 64.4                 | 64.3                                                                                    | 81.1                           | 66.1                            | 44.3                         | 28.9                      | 37.3                                     | 22.2                              | 74.2                             | 54.9                   | 70.0                            | 72.9                                | 82.2                                                   | 78.3         |                      |              |
| March.....     | 51.4                 | 38.9                                                                                    | 81.6                           | 67.5                            | 45.0                         | 30.0                      | 40.5                                     | 24.9                              | 74.0                             | 58.0                   | 69.8                            | 75.3                                | 82.3                                                   | 79.4         |                      |              |
| April.....     | 52.6                 | 49.9                                                                                    | 74.3                           | 45.0                            | 48.0                         | 31.8                      | 45.3                                     | 28.9                              | 74.9                             | 56.7                   | 69.7                            | 73.1                                | 82.6                                                   | 79.0         |                      |              |
| May.....       | 53.5                 | 49.5                                                                                    | 75.3                           | 40.1                            | 44.4                         | 31.4                      | 49.5                                     | 32.8                              | 76.0                             | 57.8                   | 70.0                            | 73.7                                | 83.3                                                   | 79.8         |                      |              |
| June.....      | 56.8                 | 66.0                                                                                    | 77.9                           | 64.7                            | 46.0                         | 31.5                      | 50.4                                     | 33.8                              | 70.7                             | 50.2                   | 70.2                            | 74.4                                | 83.9                                                   | 79.8         |                      |              |
| July.....      | 49.4                 | 37.5                                                                                    | 70.0                           | 35.9                            | 45.2                         | 31.1                      | 50.9                                     | 34.4                              | 77.4                             | 50.9                   | 70.3                            | 75.7                                | 84.8                                                   | 81.6         |                      |              |
| August.....    | 38.7                 | 28.3                                                                                    | 73.4                           | 45.8                            | 40.3                         | 33.4                      | 51.0                                     | 36.3                              | 76.3                             | 58.9                   | 70.5                            | 75.5                                | 86.8                                                   | 82.8         |                      |              |
| September..... | 46.0                 | 38.2                                                                                    | 77.1                           | 60.1                            | 48.0                         | 35.4                      | 50.0                                     | 35.4                              | 75.1                             | 60.9                   | 70.4                            | 73.8                                | 86.0                                                   | 84.5         |                      |              |
| October.....   | 58.8                 | 55.9                                                                                    | 74.3                           | 69.8                            | 51.0                         | 38.7                      | 50.0                                     | 36.5                              | 74.7                             | 57.9                   | 70.0                            | 74.9                                | 87.4                                                   | 84.6         |                      |              |
| November.....  | 46.6                 | 28.4                                                                                    | 76.1                           | 65.5                            | 52.6                         | 30.6                      | 46.7                                     | 32.1                              | 73.0                             | 57.2                   | 69.8                            | 74.9                                | 87.6                                                   | 83.4         |                      |              |
| December.....  | 57.3                 | 55.4                                                                                    | 79.1                           | 69.5                            | 53.5                         | 43.2                      | 43.1                                     | 29.7                              | 71.9                             | 59.9                   | 69.6                            | 75.0                                | 86.8                                                   | 86.0         |                      |              |
| 1936           |                      |                                                                                         |                                |                                 |                              |                           |                                          |                                   |                                  |                        |                                 |                                     |                                                        |              |                      |              |
| January.....   | 59.1                 | 54.4                                                                                    | 79.8                           | 70.6                            | 54.2                         | 41.7                      | 39.4                                     | 25.5                              | 71.1                             | 55.7                   | 70.1                            | 75.0                                | 86.1                                                   | 84.8         |                      |              |
| February.....  | 61.2                 | 76.7                                                                                    | 80.2                           | 78.4                            | 55.5                         | 42.8                      | 36.9                                     | 23.9                              | 70.8                             | 55.7                   | 69.9                            | 76.2                                | 86.1                                                   | 84.7         |                      |              |
| March.....     | 52.5                 | 42.6                                                                                    | 80.4                           | 70.2                            | 55.9                         | 45.1                      | 42.2                                     | 30.0                              | 70.7                             | 55.9                   | 70.2                            | 77.2                                | 86.8                                                   | 85.9         |                      |              |
| April.....     | 49.8                 | 28.6                                                                                    | 77.5                           | 62.7                            | 57.5                         | 45.5                      | 48.4                                     | 36.1                              | 71.2                             | 56.0                   | 70.8                            | 76.0                                | 88.0                                                   | 86.2         |                      |              |
| May.....       | 54.9                 | 56.3                                                                                    | 76.2                           | 62.2                            | 60.8                         | 47.7                      | 52.0                                     | 42.1                              | 72.5                             | 58.0                   | 71.6                            | 78.5                                | 89.0                                                   | 87.0         |                      |              |
| June.....      | 51.2                 | 42.0                                                                                    | 75.7                           | 61.6                            | 61.9                         | 48.2                      | 58.4                                     | 43.0                              | 73.0                             | 58.5                   | 72.1                            | 77.4                                | 90.3                                                   | 88.1         |                      |              |
|                |                      |                                                                                         |                                |                                 |                              |                           |                                          |                                   |                                  |                        |                                 |                                     |                                                        |              |                      |              |
|                |                      | Electric<br>railroad and<br>motor-bus<br>operation and<br>main-<br>tenance <sup>1</sup> |                                | Wholesale<br>trade <sup>2</sup> |                              | Retail trade <sup>2</sup> |                                          | Year-round<br>hotels <sup>2</sup> |                                  | Laundries <sup>2</sup> |                                 | Dyeing and<br>cleaning <sup>2</sup> |                                                        |              |                      |              |
|                |                      |                                                                                         |                                |                                 |                              | Total                     | General<br>merchan-<br>dising            |                                   |                                  |                        |                                 |                                     |                                                        |              |                      |              |
| 1930.....      | 93.4                 | 93.5                                                                                    | 95.7                           | 95.3                            | 96.8                         | 95.3                      | 94.1                                     | 93.3                              | 96.5                             | 96.5                   | (3)                             | (3)                                 | (3)                                                    | (3)          |                      |              |
| 1931.....      | 84.7                 | 83.4                                                                                    | 85.8                           | 81.9                            | 87.7                         | 83.1                      | 92.2                                     | 87.4                              | 86.3                             | 81.4                   | 93.1                            | 82.3                                | 85.6                                                   | 80.7         | 70.1                 |              |
| 1932.....      | 75.5                 | 88.0                                                                                    | 76.8                           | 64.2                            | 76.8                         | 63.2                      | 82.6                                     | 69.5                              | 74.1                             | 60.9                   | 83.5                            | 70.1                                | 75.2                                                   | 57.3         |                      |              |
| 1933.....      | 70.0                 | 58.9                                                                                    | 76.1                           | 56.8                            | 76.1                         | 55.2                      | 84.2                                     | 65.4                              | 70.1                             | 51.0                   | 78.8                            | 59.5                                | 74.3                                                   | 49.5         |                      |              |
| 1934.....      | 72.1                 | 62.2                                                                                    | 82.8                           | 63.0                            | 82.1                         | 60.9                      | 92.8                                     | 75.1                              | 80.2                             | 61.6                   | 81.3                            | 64.9                                | 77.1                                                   | 56.1         |                      |              |
| 1935.....      | 71.2                 | 63.7                                                                                    | 84.0                           | 65.6                            | 82.3                         | 62.1                      | 94.2                                     | 78.0                              | 81.0                             | 63.4                   | 81.5                            | 66.9                                | 77.5                                                   | 57.9         |                      |              |
| 1935           |                      |                                                                                         |                                |                                 |                              |                           |                                          |                                   |                                  |                        |                                 |                                     |                                                        |              |                      |              |
| January.....   | 71.2                 | 62.9                                                                                    | 84.2                           | 63.9                            | 79.5                         | 59.7                      | 87.3                                     | 73.5                              | 80.3                             | 62.2                   | 79.6                            | 63.9                                | 70.3                                                   | 50.4         |                      |              |
| February.....  | 71.0                 | 63.1                                                                                    | 84.6                           | 64.6                            | 79.2                         | 59.3                      | 86.2                                     | 72.3                              | 81.1                             | 63.5                   | 79.6                            | 64.1                                | 69.6                                                   | 49.8         |                      |              |
| March.....     | 71.3                 | 63.4                                                                                    | 84.0                           | 65.2                            | 80.2                         | 60.4                      | 88.6                                     | 74.1                              | 80.8                             | 63.9                   | 70.7                            | 64.6                                | 72.5                                                   | 53.5         |                      |              |
| April.....     | 71.4                 | 63.3                                                                                    | 83.2                           | 64.8                            | 83.5                         | 62.5                      | 94.4                                     | 77.5                              | 81.1                             | 63.0                   | 80.0                            | 65.6                                | 79.0                                                   | 61.9         |                      |              |
| May.....       | 71.6                 | 63.6                                                                                    | 82.5                           | 64.6                            | 82.2                         | 62.0                      | 91.8                                     | 76.3                              | 81.6                             | 63.7                   | 81.1                            | 66.6                                | 80.9                                                   | 61.7         |                      |              |
| June.....      | 71.7                 | 63.9                                                                                    | 82.1                           | 64.6                            | 82.2                         | 62.5                      | 91.2                                     | 76.7                              | 81.3                             | 63.5                   | 82.3                            | 65.2                                | 83.0                                                   | 65.7         |                      |              |
| July.....      | 71.5                 | 63.4                                                                                    | 82.1                           | 64.6                            | 79.3                         | 60.5                      | 85.5                                     | 72.0                              | 80.3                             | 62.1                   | 84.2                            | 68.2                                | 79.4                                                   | 58.2         |                      |              |
| August.....    | 71.2                 | 63.3                                                                                    | 82.7                           | 64.8                            | 78.0                         | 59.3                      | 83.1                                     | 68.5                              | 80.7                             | 62.0                   | 84.2                            | 68.2                                | 70.4                                                   | 58.2         |                      |              |
| September..... | 71.0                 | 64.0                                                                                    | 83.7                           | 67.2                            | 81.8                         | 62.5                      | 92.2                                     | 77.2                              | 81.1                             | 63.1                   | 83.0                            | 67.9                                | 82.1                                                   | 63.1         |                      |              |
| October.....   | 71.1                 | 64.1                                                                                    | 85.7                           | 66.8                            | 83.8                         | 63.2                      | 97.1                                     | 79.8                              | 81.6                             | 64.3                   | 81.9                            | 67.1                                | 80.4                                                   | 61.1         |                      |              |
| November.....  | 71.1                 | 63.8                                                                                    | 86.4                           | 66.9                            | 84.6                         | 63.4                      | 101.6                                    | 82.0                              | 81.5                             | 64.8                   | 81.3                            | 66.7                                | 76.3                                                   | 55.4         |                      |              |
| December.....  | 70.5                 | 66.1                                                                                    | 86.8                           | 68.6                            | 92.9                         | 69.3                      | 131.7                                    | 104.5                             | 80.8                             | 64.2                   | 81.1                            | 67.5                                | 73.4                                                   | 52.9         |                      |              |
| 1936           |                      |                                                                                         |                                |                                 |                              |                           |                                          |                                   |                                  |                        |                                 |                                     |                                                        |              |                      |              |
| January.....   | 70.7                 | 65.0                                                                                    | 85.6                           | 66.6                            | 80.4                         | 62.1                      | 88.2                                     | 76.4                              | 81.9                             | 64.9                   | 81.6                            | 68.3                                | 71.5                                                   | 51.6         |                      |              |
| February.....  | 71.7                 | 68.3                                                                                    | 85.0                           | 66.6                            | 79.7                         | 61.6                      | 85.1                                     | 73.9                              | 82.8                             | 66.5                   | 81.2                            | 67.8                                | 70.3                                                   | 49.0         |                      |              |
| March.....     | 71.2                 | 67.8                                                                                    | 85.6                           | 69.0                            | 81.9                         | 63.5                      | 90.9                                     | 77.3                              | 82.8                             | 66.0                   | 82.1                            | 69.9                                | 74.7                                                   | 50.4         |                      |              |
| April.....     | 71.3                 | 65.0                                                                                    | 85.7                           | 67.9                            | 85.2                         | 65.3                      | 97.4                                     | 81.0                              | 83.2                             | 66.3                   | 83.2                            | 70.9                                | 81.8                                                   | 64.1         |                      |              |
| May.....       | 71.5                 | 66.1                                                                                    | 84.6                           | 68.2                            | 85.0                         | 65.8                      | 95.5                                     | 80.8                              | 84.1                             | 67.0                   | 85.5                            | 75.6                                | 87.3                                                   | 72.2         |                      |              |
| June.....      | 71.7                 | 66.8                                                                                    | 84.6                           | 68.4                            | 85.3                         | 66.4                      | 95.6                                     | 81.3                              | 83.9                             | 66.0                   | 87.2                            | 75.8                                | 87.5                                                   | 69.2         |                      |              |

<sup>1</sup> Not including electric-railroad car building and repairing; see under manufacturing industries, p. 327.<sup>2</sup> Adjusted to conform with the Federal Census data through 1933 for trade and hotels, and 1931 for laundries, and dyeing and cleaning. Indexes for hotels relate to year-round hotels having 25 or more guest rooms; pay roll indexes represent cash payments only; the additional value of board, room, and tips cannot be computed.<sup>3</sup> Data are not available.

Source: Bureau of Labor Statistics, Department of Labor.

# No. 369.—UNION WAGE RATES PER HOUR AND HOURS PER WEEK IN SELECTED TRADES, AS OF MAY 15

NOTE.—Data, except for longshoremen, are compiled from a survey made of 70 cities for 1934 and 1935, and of 67 cities for prior years, which were selected on the basis of size, geographical distribution, and presence of trade-union organization. Rates were obtained for each of the principal time-work trades in all cities covered in which there were local unions and represent rates provided for in union agreements. The union membership covered by these agreements in 1935 was approximately 574,000. The averages for each trade are weighted according to the number of members in the various local unions.

| Trade and occupation                        | Average wage rates per hour |         |         |         |         |         | Average hours per week |      |      |      |      |      |
|---------------------------------------------|-----------------------------|---------|---------|---------|---------|---------|------------------------|------|------|------|------|------|
|                                             | 1930                        | 1931    | 1932    | 1933    | 1934    | 1935    | 1930                   | 1931 | 1932 | 1933 | 1934 | 1935 |
| All building trades.....                    | \$1.410                     | \$1.428 | \$1.217 | \$1.200 | \$1.202 | \$1.203 | 41.9                   | 41.3 | 40.5 | 40.4 | 39.0 | 38.7 |
| Journeyman (skilled workers).....           | (1)                         | (1)     | (1)     | (1)     | 1.247   | 1.255   | (1)                    | (1)  | (1)  | (1)  | 38.9 | 38.6 |
| Asbestos workers.....                       | 1.445                       | 1.471   | 1.237   | 1.222   | 1.208   | 1.223   | 41.9                   | 40.8 | 40.5 | 40.0 | 40.0 | 39.0 |
| Bricklayers.....                            | 1.697                       | 1.706   | 1.466   | 1.436   | 1.416   | 1.408   | 41.7                   | 41.0 | 39.6 | 40.1 | 38.4 | 39.4 |
| Carpenters.....                             | 1.339                       | 1.400   | 1.164   | 1.109   | 1.147   | 1.160   | 42.3                   | 41.6 | 40.6 | 40.3 | 40.0 | 39.8 |
| Cement finishers.....                       | 1.493                       | 1.475   | 1.245   | 1.228   | 1.250   | 1.241   | 42.1                   | 41.9 | 41.2 | 41.8 | 40.0 | 39.9 |
| Electricians, inside wiremen.....           | 1.481                       | 1.503   | 1.434   | 1.313   | 1.275   | 1.335   | 41.7                   | 41.3 | 40.1 | 40.1 | 38.2 | 36.5 |
| Elevator constructors.....                  | 1.519                       | 1.524   | 1.400   | 1.296   | 1.308   | 1.312   | 42.4                   | 41.7 | 41.3 | 40.7 | 40.3 | 40.1 |
| Engineers, portable and hoisting.....       | 1.593                       | 1.608   | 1.511   | 1.321   | 1.370   | 1.353   | 43.1                   | 42.6 | 41.4 | 41.4 | 40.5 | 40.4 |
| Glaziers.....                               | 1.408                       | 1.428   | 1.211   | 1.222   | 1.208   | 1.204   | 42.1                   | 41.3 | 40.7 | 40.8 | 38.7 | 38.4 |
| Granite cutters.....                        | 1.343                       | 1.344   | 1.109   | 1.170   | 1.165   | 1.149   | 41.8                   | 41.3 | 41.4 | 40.7 | 40.7 | 40.3 |
| Lathers.....                                | 1.546                       | 1.565   | 1.385   | 1.309   | 1.333   | 1.343   | 40.6                   | 40.3 | 40.2 | 40.0 | 37.5 | 37.4 |
| Marble setters.....                         | 1.565                       | 1.572   | 1.432   | 1.398   | 1.381   | 1.386   | 41.6                   | 40.9 | 40.5 | 40.4 | 39.9 | 39.9 |
| Mosaic and terrazzo workers.....            | 1.408                       | 1.466   | 1.356   | 1.238   | 1.252   | 1.250   | 41.7                   | 41.4 | 39.6 | 40.2 | 40.2 | 39.9 |
| Painters.....                               | 1.465                       | 1.481   | 1.225   | 1.239   | 1.192   | 1.194   | 40.8                   | 40.4 | 40.3 | 40.2 | 36.4 | 35.4 |
| Plasterers.....                             | 1.691                       | 1.709   | 1.423   | 1.360   | 1.383   | 1.385   | 40.6                   | 40.3 | 39.6 | 40.1 | 38.4 | 37.7 |
| Plumbers and gas fitters.....               | 1.488                       | 1.514   | 1.302   | 1.300   | 1.292   | 1.315   | 41.4                   | 40.9 | 40.4 | 40.6 | 40.4 | 40.1 |
| Roofers, composition.....                   | 1.387                       | 1.432   | 1.182   | 1.207   | 1.163   | 1.187   | 41.9                   | 41.3 | 40.4 | 40.9 | 39.9 | 39.9 |
| Roofers, slate and tile.....                | 1.590                       | 1.576   | 1.401   | 1.375   | 1.330   | 1.347   | 41.7                   | 40.8 | 40.6 | 40.6 | 40.4 | 39.9 |
| Sheet-metal workers.....                    | 1.416                       | 1.441   | 1.234   | 1.200   | 1.221   | 1.218   | 42.2                   | 41.6 | 40.5 | 40.3 | 39.8 | 39.8 |
| Sign painters.....                          | 1.581                       | 1.573   | 1.393   | 1.338   | 1.360   | 1.395   | 41.6                   | 41.1 | 41.1 | 40.9 | 39.9 | 39.1 |
| Steam and sprinkler fitters.....            | 1.511                       | 1.525   | 1.283   | 1.266   | 1.288   | 1.308   | 41.7                   | 41.3 | 40.2 | 40.0 | 39.8 | 39.6 |
| Stonecutters.....                           | 1.486                       | 1.524   | 1.380   | 1.294   | 1.298   | 1.298   | 42.7                   | 41.8 | 41.3 | 41.1 | 40.4 | 40.2 |
| Stonemasons.....                            | 1.623                       | 1.642   | 1.449   | 1.369   | 1.382   | 1.380   | 41.4                   | 40.6 | 40.3 | 40.1 | 39.9 | 39.9 |
| Structural-iron workers.....                | 1.553                       | 1.572   | 1.337   | 1.330   | 1.302   | 1.308   | 42.5                   | 41.8 | 40.7 | 40.6 | 40.2 | 39.7 |
| Tile layers.....                            | 1.639                       | 1.554   | 1.350   | 1.307   | 1.301   | 1.317   | 41.5                   | 40.9 | 40.0 | 40.5 | 37.7 | 37.9 |
| Helpers and laborers <sup>1</sup> .....     | (1)                         | (1)     | (1)     | (1)     | 812     | 808     | (1)                    | (1)  | (1)  | (1)  | 39.7 | 39.5 |
| Building laborers.....                      | .919                        | .893    | .762    | .761    | .730    | .725    | 43.8                   | 43.1 | 42.0 | 41.4 | 39.8 | 39.8 |
| Hod carriers (masons' tenders).....         | 1.106                       | 1.088   | .883    | .754    | .848    | .830    | 41.8                   | 41.4 | 40.4 | 40.4 | 39.8 | 39.8 |
| Plasterers' laborers.....                   | 1.161                       | 1.128   | .910    | .838    | .905    | .937    | 41.0                   | 41.0 | 40.8 | 40.2 | 39.0 | 38.6 |
| Elevator constructors' helpers.....         | 1.068                       | 1.098   | 1.004   | .936    | .955    | .959    | 42.2                   | 41.5 | 41.2 | 40.6 | 40.2 | 40.1 |
| Marble setters' helpers.....                | 1.046                       | 1.026   | .931    | .938    | .942    | .950    | 42.2                   | 41.2 | 40.5 | 40.5 | 40.0 | 40.0 |
| Steam and sprinkler fitters' helpers.....   | 1.065                       | 1.084   | .953    | .926    | .911    | .921    | 40.4                   | 40.3 | 40.1 | 40.1 | 39.8 | 39.8 |
| Tile layers' helpers.....                   | 1.079                       | 1.047   | .923    | .831    | .833    | .863    | 41.6                   | 41.4 | 40.2 | 41.5 | 40.0 | 39.9 |
| Printing, book and job.....                 | 1.074                       | 1.068   | 1.084   | 1.006   | 1.048   | 1.074   | 44.3                   | 44.3 | 42.6 | 42.0 | 40.6 | 40.0 |
| Bindery women.....                          | .544                        | .541    | .515    | .503    | .511    | .513    | 44.8                   | 44.7 | 44.6 | 44.6 | 41.5 | 41.2 |
| Bookbinders.....                            | 1.015                       | 1.203   | .988    | .968    | .976    | .992    | 44.9                   | 44.8 | 44.6 | 44.4 | 41.7 | 41.0 |
| Compositors, hand.....                      | 1.162                       | 1.166   | 1.162   | 1.063   | 1.093   | 1.113   | 44.0                   | 44.0 | 43.8 | 42.5 | 41.1 | 40.3 |
| Electrotypers.....                          | 1.293                       | 1.315   | 1.307   | 1.216   | 1.313   | 1.333   | 44.8                   | 44.5 | 44.5 | 42.2 | 40.9 | 40.2 |
| Machine operators.....                      | 1.240                       | 1.192   | 1.251   | 1.137   | 1.121   | 1.138   | 43.9                   | 43.9 | 43.9 | 41.9 | 41.0 | 40.1 |
| Machine tenders (machinists).....           | 1.267                       | 1.218   | 1.279   | 1.191   | 1.191   | 1.197   | 44.0                   | 44.2 | 43.9 | 41.8 | 40.6 | 40.2 |
| Photoengravers.....                         | 1.335                       | 1.329   | 1.371   | 1.321   | 1.384   | 1.479   | 43.9                   | 43.9 | 41.8 | 40.6 | 40.1 | 38.5 |
| Press assistants and feeders.....           | .865                        | .880    | .852    | .796    | .812    | .829    | 44.2                   | 44.3 | 39.0 | 40.7 | 39.5 | 39.4 |
| Pressmen, cylinder.....                     | 1.166                       | 1.161   | 1.147   | 1.088   | 1.121   | 1.133   | 44.3                   | 44.4 | 40.5 | 40.7 | 39.7 | 39.6 |
| Pressmen, platen.....                       | .947                        | .948    | .911    | .879    | .909    | .914    | 44.5                   | 44.4 | 43.4 | 42.0 | 41.1 | 40.7 |
| Printing, newspaper.....                    | 1.241                       | 1.247   | 1.231   | 1.149   | 1.170   | 1.238   | 45.0                   | 45.0 | 43.9 | 43.8 | 40.2 | 39.6 |
| Compositors, hand: Day work.....            | 1.210                       | 1.210   | 1.164   | 1.114   | 1.126   | 1.196   | 45.5                   | 45.5 | 44.2 | 43.5 | 39.3 | 38.8 |
| Night work.....                             | 1.315                       | 1.311   | 1.283   | 1.222   | 1.236   | 1.315   | 45.1                   | 45.1 | 43.8 | 43.3 | 38.9 | 38.5 |
| Machine operators: Day work.....            | 1.220                       | 1.239   | 1.206   | 1.110   | 1.140   | 1.211   | 45.0                   | 45.1 | 44.0 | 43.6 | 39.0 | 38.5 |
| Night work.....                             | 1.333                       | 1.339   | 1.335   | 1.219   | 1.248   | 1.323   | 44.8                   | 44.8 | 42.6 | 43.3 | 38.4 | 38.1 |
| Machine tenders (machinists): Day work..... | 1.206                       | 1.204   | 1.233   | 1.094   | 1.127   | 1.200   | 45.5                   | 45.5 | 42.5 | 43.5 | 39.1 | 38.5 |
| Night work.....                             | 1.308                       | 1.332   | 1.380   | 1.211   | 1.245   | 1.332   | 45.1                   | 45.0 | 41.0 | 43.4 | 38.5 | 38.1 |
| Photoengravers: Day work.....               | 1.342                       | 1.354   | 1.347   | 1.263   | 1.333   | 1.397   | 43.9                   | 43.8 | 43.9 | 44.0 | 42.1 | 40.4 |
| Night work.....                             | 1.636                       | 1.653   | 1.652   | 1.478   | 1.572   | 1.633   | 41.5                   | 41.5 | 41.7 | 41.9 | 40.1 | 39.1 |
| Pressmen, web presses: Day work.....        | 1.065                       | 1.104   | 1.122   | 1.028   | 1.028   | 1.079   | 46.8                   | 46.8 | 45.9 | 46.4 | 43.8 | 42.9 |
| Night work.....                             | 1.272                       | 1.292   | 1.306   | 1.239   | 1.232   | 1.300   | 42.6                   | 42.6 | 41.5 | 41.9 | 40.3 | 39.3 |

<sup>1</sup> Figures are not available.

<sup>2</sup> Includes also plumbers' laborers and composition roofers' helpers, not shown separately.

# No. 369.—UNION WAGE RATES PER HOUR AND HOURS PER WEEK IN SELECTED TRADES, AS OF MAY 15—Continued

| Trade and occupation                  | Average wage rates per hour |         |         |         |         |         | Average hours per week |      |      |      |      |      |
|---------------------------------------|-----------------------------|---------|---------|---------|---------|---------|------------------------|------|------|------|------|------|
|                                       | 1930                        | 1931    | 1932    | 1933    | 1934    | 1935    | 1930                   | 1931 | 1932 | 1933 | 1934 | 1935 |
| Printing, newspaper—                  |                             |         |         |         |         |         |                        |      |      |      |      |      |
| Continued                             |                             |         |         |         |         |         |                        |      |      |      |      |      |
| Stereotypers:                         |                             |         |         |         |         |         |                        |      |      |      |      |      |
| Day work                              | \$1.064                     | \$1.063 | \$1.075 | \$1.004 | \$1.014 | \$1.063 | 46.7                   | 46.8 | 46.6 | 46.0 | 44.4 | 43.2 |
| Night work                            | 1.228                       | 1.241   | 1.227   | 1.180   | 1.216   | 1.266   | 42.7                   | 42.4 | 42.7 | 42.4 | 40.8 | 40.1 |
| Bakery, trades                        | .966                        | .934    | .951    | .799    | .881    | .877    | 47.3                   | 47.6 | 47.7 | 47.0 | 43.3 | 43.0 |
| Hebrew bakeries                       | (1)                         | (1)     | (1)     | (1)     | 1.130   | 1.173   | (1)                    | (1)  | (1)  | (1)  | (1)  | (1)  |
| Other bakeries                        | (1)                         | (1)     | (1)     | (1)     | .766    | .701    | (1)                    | (1)  | (1)  | (1)  | (1)  | (1)  |
| Street-railway employees <sup>1</sup> | .707                        | .712    | .694    | .647    | .662    | .680    | (1)                    | (1)  | (1)  | (1)  | (1)  | (1)  |
| Motor-truck drivers <sup>1</sup>      | .724                        | .737    | .711    | .664    | .704    | .731    | 53.2                   | 53.0 | 53.1 | 52.8 | 49.3 | 48.4 |
| Longshoremen: <sup>2</sup>            |                             |         |         |         |         |         |                        |      |      |      |      |      |
| Atlantic coast, except                | .85                         | .85     | .85     | .75     | .75     | .95     | 44                     | 44   | 44   | 44   | 44   | 44   |
| Norfolk <sup>3</sup>                  | 1.30                        | 1.30    | 1.20    | 1.10    | 1.10    | 1.35    | 44                     | 44   | 44   | 44   | 44   | 44   |
| Atlantic coast: Nor-                  | .80                         | .80     | .80     | .70     | .70     | .90     | 44                     | 44   | 44   | 44   | 44   | 44   |
| folk                                  | 1.20                        | 1.20    | 1.10    | 1.00    | 1.10    | 1.25    | 44                     | 44   | 44   | 44   | 44   | 44   |
| Gulf coast: Houston.                  | .80                         | .80     | .70     | .80     | .80     | .80     | 44                     | 44   | 44   | 44   | 44   | 44   |
|                                       | 1.20                        | 1.20    | 1.05    | 1.05    | 1.20    | 1.20    | 48                     | 48   | 48   | 48   | 48   | 48   |
| Pacific coast <sup>10</sup>           | .90                         | .90     | .85     | .75     | .85     | .95     | 48                     | 48   | 48   | 48   | 48   | 48   |
|                                       | 1.35                        | 1.35    | 1.25    | 1.15    | 1.25    | 1.40    | 48                     | 48   | 48   | 48   | 48   | 48   |

<sup>1</sup> Figures are not available.

<sup>2</sup> Includes conductors, motormen, and beginning 1934, bus drivers on lines operated by street railways.

<sup>3</sup> Includes dirt-truck drivers (with different rates for trucks of different sizes), coal-truck drivers, transfer, delivery, and express drivers. Salesmen drivers who are paid on a guaranteed salary plus commission basis have been excluded for 1934 and 1935, but included for prior years.

<sup>4</sup> Rates are the regular and overtime rates (the lower figure representing the regular rate and the higher the overtime rate) for longshoremen in the major unionized ports in foreign and intercoastal traffic. Rates are shown as of May 15; most of them went into effect, however, in October of the previous year. The hours shown are those specified in union agreements; they have little relation to actual hours of work which are of necessity very irregular, but furnish the basis for computation of overtime pay.

<sup>5</sup> Portland, Boston, New York, Philadelphia, and Baltimore, except as noted.

<sup>6</sup> Rate for all except Baltimore. The rate in effect in Baltimore was \$0.85-\$1.20.

<sup>7</sup> Rate for Portland, Boston, and Philadelphia. The rate for New York and Baltimore was \$0.85-\$1.20.

<sup>8</sup> Working week 48 hours during August to March, and 44 hours during the remainder of the year.

<sup>9</sup> Seattle, San Francisco, and Los Angeles, and beginning with 1934, Portland. In Los Angeles the rate was not maintained from 1930 through 1934.

<sup>10</sup> Working week reduced to 30 hours by the arbitration award in the fall of 1934.

## No. 370.—STRIKES: NUMBER OF STRIKES, NUMBER OF WORKERS INVOLVED, AND MAN-DAYS IDLE

NOTE.—The term "strike" is here used in the generic sense to include all stoppages of work due to labor disputes, whether initiated by the employers (lock-outs) or by the workers. Strikes involving fewer than 8 workers or lasting less than 1 day are not included.

| Year and month | Number of strikes     |                          | Number of workers involved in strikes |                          | Man-days idle during month (thousands) | Year and month | Number of strikes     |                          | Number of workers involved in strikes |                          | Man-days idle during month (thousands) |
|----------------|-----------------------|--------------------------|---------------------------------------|--------------------------|----------------------------------------|----------------|-----------------------|--------------------------|---------------------------------------|--------------------------|----------------------------------------|
|                | Beginning year or mo. | In progress during month | Beginning year or month               | In progress during month |                                        |                | Beginning year or mo. | In progress during month | Beginning year or month               | In progress during month |                                        |
| 1927           | 707                   |                          | 329,939                               |                          | 26,219                                 | 1935           |                       |                          |                                       |                          |                                        |
| 1928           | 604                   |                          | 314,210                               |                          | 12,632                                 | January        | 140                   | 213                      | 81,194                                | 92,630                   | 721                                    |
| 1929           | 921                   |                          | 289,112                               |                          | 5,352                                  | February       | 149                   | 232                      | 64,238                                | 96,533                   | 836                                    |
| 1930           | 637                   |                          | 182,975                               |                          | 3,334                                  | March          | 175                   | 277                      | 53,089                                | 98,457                   | 907                                    |
| 1931           | 810                   |                          | 41,817                                |                          | 6,932                                  | April          | 180                   | 204                      | 67,857                                | 124,174                  | 1,179                                  |
| 1932           | 841                   |                          | 324,210                               |                          | 10,502                                 | May            | 174                   | 307                      | 102,491                               | 151,163                  | 1,098                                  |
| 1933           | 1,698                 |                          | 1,168,272                             |                          | 16,872                                 | June           | 189                   | 310                      | 48,917                                | 120,784                  | 1,311                                  |
| 1934           | 1,859                 |                          | 1,466,695                             |                          | 19,592                                 | July           | 184                   | 317                      | 70,046                                | 141,829                  | 1,296                                  |
| 1935           | 2,014                 |                          | 1,117,213                             |                          | 15,456                                 | August         | 239                   | 377                      | 74,313                                | 150,835                  | 1,022                                  |
| 1934           |                       |                          |                                       |                          |                                        | September      | 162                   | 311                      | 453,820                               | 514,427                  | 3,197                                  |
| January        | 98                    | 132                      | 81,650                                | 106,734                  | 822                                    | October        | 100                   | 332                      | 48,223                                | 133,742                  | 1,663                                  |
| February       | 94                    | 143                      | 89,562                                | 160,713                  | 605                                    | November       | 142                   | 274                      | 38,270                                | 100,732                  | 1,004                                  |
| March          | 161                   | 222                      | 91,559                                | 128,838                  | 1,237                                  | December       | 90                    | 210                      | 14,746                                | 61,782                   | 661                                    |
| April          | 210                   | 253                      | 155,282                               | 229,552                  | 2,533                                  | 1936           |                       |                          |                                       |                          |                                        |
| May            | 226                   | 329                      | 145,830                               | 234,394                  | 1,957                                  | January        | 163                   | 247                      | 31,836                                | 58,588                   | 633                                    |
| June           | 165                   | 276                      | 56,244                                | 119,630                  | 1,686                                  | February       | 144                   | 245                      | 63,080                                | 89,715                   | 748                                    |
| July           | 151                   | 277                      | 180,268                               | 260,828                  | 2,222                                  | March          | 182                   | 301                      | 75,257                                | 122,301                  | 1,331                                  |
| August         | 183                   | 297                      | 80,071                                | 162,980                  | 2,188                                  | April          | 170                   | 297                      | 64,019                                | 94,102                   | 692                                    |
| September      | 180                   | 259                      | 423,915                               | 480,318                  | 4,136                                  | May            | 193                   | 315                      | 71,936                                | 121,188                  | 980                                    |
| October        | 187                   | 297                      | 69,441                                | 104,207                  | 809                                    | June           | 168                   | 275                      | 61,243                                | 120,621                  | 1,284                                  |
| November       | 130                   | 229                      | 37,869                                | 94,494                   | 989                                    |                |                       |                          |                                       |                          |                                        |
| December       | 101                   | 201                      | 25,004                                | 73,279                   | 384                                    |                |                       |                          |                                       |                          |                                        |

Source of tables 369 and 370: Bureau of Labor Statistics, Department of Labor.

# No. 371.—EMPLOYMENT AND PAY ROLLS ON PROJECTS FINANCED FROM PUBLIC WORKS ADMINISTRATION FUNDS

NOTE.—Pay-roll disbursements in thousands of dollars. Data relate to workers at site of Federal and non-Federal construction projects and jobs in railway car and locomotive shops financed in whole or in part from Public Works funds. Figures are in part duplicated in data shown elsewhere for Federal employees, railroads, and other agencies engaged on force-account projects (projects for which contracts are not let)

| Year and month       | Maximum number employed <sup>1</sup> | Pay-roll disbursements | Average earnings per hour | Year and month                     | Maximum number employed <sup>1</sup> | Pay-roll disbursements | Average earnings per hour |
|----------------------|--------------------------------------|------------------------|---------------------------|------------------------------------|--------------------------------------|------------------------|---------------------------|
| 1933 (6 months)----- |                                      | 32, 941 <sup>1</sup>   | \$0. 534                  | 1935-----                          |                                      | 254, 176               | \$0. 684                  |
| July-----            | 267                                  | 26                     | .751                      | January-----                       | 304, 723                             | 18, 463                | .672                      |
| August-----          | 4, 719                               | 132                    | .637                      | February-----                      | 272, 273                             | 16, 896                | .672                      |
| September-----       | 39, 535                              | 1, 785                 | .542                      | March-----                         | 281, 461                             | 17, 401                | .669                      |
| October-----         | 146, 747                             | 6, 354                 | .528                      | April-----                         | 333, 045                             | 20, 940                | .687                      |
| November-----        | 255, 512                             | 11, 552                | .531                      | May-----                           | 394, 875                             | 24, 490                | .687                      |
| December-----        | 309, 758                             | 13, 092                | .537                      | June-----                          | 414, 306                             | 26, 387                | .654                      |
| 1934-----            |                                      | 308, 311               | .589                      | July-----                          | 405, 332                             | 24, 959                | .680                      |
| January-----         | 298, 069                             | 12, 946                | .540                      | August-----                        | 394, 509                             | 25, 203                | .681                      |
| February-----        | 311, 381                             | 14, 348                | .541                      | September <sup>1</sup> -----       | 344, 520                             | 22, 772                | .701                      |
| March-----           | 307, 274                             | 14, 113                | .553                      | October <sup>1</sup> -----         | 308, 632                             | 21, 692                | .715                      |
| April-----           | 382, 220                             | 18, 785                | .570                      | November <sup>1</sup> -----        | 271, 111                             | 19, 513                | .741                      |
| May-----             | 506, 056                             | 25, 942                | .563                      | December <sup>1</sup> -----        | 231, 692                             | 16, 390                | .756                      |
| June-----            | 610, 752                             | 33, 809                | .555                      | 1936 (6 months) <sup>1</sup> ----- |                                      | 107, 949               | .749                      |
| July-----            | 644, 729                             | 34, 840                | .574                      | January-----                       | 197, 820                             | 14, 399                | .750                      |
| August-----          | 629, 907                             | 36, 480                | .589                      | February-----                      | 176, 794                             | 12, 221                | .745                      |
| September-----       | 575, 655                             | 32, 759                | .613                      | March-----                         | 202, 236                             | 13, 981                | .755                      |
| October-----         | 527, 883                             | 30, 283                | .632                      | April-----                         | 294, 427                             | 18, 916                | .751                      |
| November-----        | 503, 985                             | 30, 664                | .625                      | May-----                           | 315, 393                             | 22, 591                | .744                      |
| December-----        | 410, 236                             | 28, 656                | .653                      | June-----                          | 349, 572                             | 25, 841                | .751                      |

<sup>1</sup> Maximum number employed during any 1 week of the month by each contractor and Government agency doing force-account work; includes weekly average for public-road projects.

<sup>2</sup> Includes persons employed on projects under the jurisdiction of Public Works Admin. which are financed from Emergency Relief Appropriation Act of 1935 funds. These data are also included in table 372.

# No. 372.—EMPLOYMENT AND PAY ROLLS ON PROJECTS FINANCED BY THE WORKS PROGRAM

NOTE.—Pay-roll disbursements in thousands of dollars. The Works Program was inaugurated by the President by authority of the Emergency Relief Appropriation Act of 1935. Employment created by this program includes persons employed on projects conducted under the supervision of the Works Progress Administration and on projects conducted by the Public Works Administration and other Federal agencies which are financed by allotments from the Emergency Relief Appropriation Act of 1935 funds

| Year and month | Projects operated by Works Progress Administration |                        |                           | Public Works Administration projects financed from E. R. A. A. of 1935 funds <sup>1</sup> |                        |                           | Other projects (Federal) financed from E. R. A. A. of 1935 funds |                        |                           |
|----------------|----------------------------------------------------|------------------------|---------------------------|-------------------------------------------------------------------------------------------|------------------------|---------------------------|------------------------------------------------------------------|------------------------|---------------------------|
|                | Maximum number employed <sup>2</sup>               | Pay-roll disbursements | Average earnings per hour | Maximum number employed <sup>2</sup>                                                      | Pay-roll disbursements | Average earnings per hour | Maximum number employed <sup>2</sup>                             | Pay-roll disbursements | Average earnings per hour |
| 1935:          |                                                    |                        |                           |                                                                                           |                        |                           |                                                                  |                        |                           |
| July-----      |                                                    |                        |                           |                                                                                           |                        |                           | 5, 131                                                           | 277                    | \$0. 456                  |
| August-----    | 73, 153                                            | 1, 200                 | \$0. 465                  |                                                                                           |                        |                           | 32, 672                                                          | 1, 210                 | .436                      |
| September----- | 258, 830                                           | 10, 303                | .579                      | 317                                                                                       | 11                     | \$0. 605                  | 75, 524                                                          | 3, 755                 | .480                      |
| October-----   | 516, 581                                           | 23, 358                | .460                      | 1, 184                                                                                    | 54                     | .689                      | 120, 064                                                         | 6, 243                 | .457                      |
| November-----  | 1, 202, 471                                        | 44, 498                | .470                      | 3, 422                                                                                    | 150                    | .670                      | 168, 234                                                         | 8, 582                 | .445                      |
| December-----  | 2, 335, 610                                        | 91, 552                | .454                      | 9, 203                                                                                    | 447                    | .661                      | 217, 027                                                         | 10, 196                | .490                      |
| 1936:          |                                                    |                        |                           |                                                                                           |                        |                           |                                                                  |                        |                           |
| January-----   | \$ 2, 812, 891                                     | \$ 118, 383            | \$ .408                   | \$ 23, 740                                                                                | \$ 1, 129              | \$ .696                   | 248, 929                                                         | 11, 180                | .431                      |
| February-----  | \$ 2, 950, 481                                     | \$ 137, 182            | \$ .412                   | \$ 39, 848                                                                                | \$ 1, 795              | \$ .688                   | 208, 589                                                         | 12, 529                | .429                      |
| March-----     | \$ 3, 095, 261                                     | \$ 144, 471            | \$ .423                   | \$ 64, 223                                                                                | \$ 3, 052              | \$ .670                   | 325, 505                                                         | 14, 432                | .409                      |
| April-----     | \$ 2, 875, 289                                     | \$ 144, 988            | \$ .436                   | \$ 112, 345                                                                               | \$ 9, 346              | \$ .689                   | 375, 865                                                         | 16, 564                | .430                      |
| May-----       | \$ 2, 579, 937                                     | \$ 132, 820            | \$ .447                   | \$ 140, 334                                                                               | \$ 9, 102              | \$ .700                   | 401, 238                                                         | 19, 161                | .443                      |
| June-----      | \$ 2, 395, 423                                     | \$ 126, 253            | \$ .458                   | \$ 176, 184                                                                               | \$ 11, 435             | \$ .722                   | 453, 012                                                         | 22, 658                | .447                      |

<sup>1</sup> These data are also included in table 371 covering projects under the jurisdiction of the Public Works Administration.

<sup>2</sup> Maximum number employed during 1 week of the month by each contractor and Government agency doing force-account work.

<sup>3</sup> Data for employees engaged on demolition work at the site of low-cost housing projects are included under both Works Progress Administration projects and Public Works Administration projects financed from E. R. A. A. 1935 funds; these employees numbered for January, 2,203; February, 2,669; March, 410; April, 125; May, 237; June, 44.

<sup>4</sup> Figures for April include 30,876 transient camp workers paid \$690,994 and subsistence for conservation work, etc.; for May, 25,374 paid \$635,403; and for June, 22,653 paid \$542,155.

Source of tables 371 and 372: Bureau of Labor Statistics, Department of Labor.

# **No. 373.—UNEMPLOYMENT RELIEF: FAMILIES AND SINGLE PERSONS RECEIVING EMERGENCY RELIEF AND OBLIGATIONS INCURRED FOR EMERGENCY RELIEF FROM ALL PUBLIC FUNDS AS REPORTED TO THE FEDERAL EMERGENCY RELIEF ADMINISTRATION**

NOTE.—Figures for the latter part of 1935 reflect the absorption of relief cases by the new Works Program inaugurated in July under authority of the Emergency Relief Appropriation Act of 1935, and the gradual withdrawal of the Federal Emergency Relief Administration from the financing of relief operations. In a majority of States, emergency relief operations were continued by the State and local emergency relief administrations or by similar agencies which superseded them, using the balances of Federal funds and other public funds, and reports through December covered the same type of relief as was reported previously. In some States, however, these agencies discontinued or greatly curtailed their operations and the responsibility for cases dropped from their rolls devolved upon local authorities whose activities are not reflected in this table.

| Year and month | Resident families and single persons receiving relief (thousands) <sup>1</sup> |                |               |                                          | Transients receiving relief (thousands) | Obligations incurred for relief (thousands of dollars) <sup>2</sup> |               |                          |           |                    |                  |                            |                  |  |  | Average amount of relief extended per family per month <sup>3</sup> |
|----------------|--------------------------------------------------------------------------------|----------------|---------------|------------------------------------------|-----------------------------------------|---------------------------------------------------------------------|---------------|--------------------------|-----------|--------------------|------------------|----------------------------|------------------|--|--|---------------------------------------------------------------------|
|                | Families                                                                       | Single persons | Total persons | Percent of total population <sup>4</sup> |                                         | Total                                                               | Direct relief | Work relief <sup>5</sup> | All other | Source of funds    |                  |                            |                  |  |  |                                                                     |
|                |                                                                                |                |               |                                          |                                         |                                                                     |               |                          |           | From Federal funds |                  | From State and local funds | Percent of total |  |  |                                                                     |
|                |                                                                                |                |               |                                          |                                         |                                                                     |               |                          |           | Amount             | Percent of total |                            |                  |  |  |                                                                     |
| 1933           |                                                                                |                |               |                                          |                                         | 792,788                                                             |               |                          |           |                    | 480,673          | 60.6                       | 312,115          |  |  |                                                                     |
| Jan.           | 3,850                                                                          | 440            | 17,300        | 14                                       | (10)                                    | 80,827                                                              | (10)          | (10)                     | (10)      | 31,175             | 51.3             | 20,652                     | (10)             |  |  |                                                                     |
| Feb.           | 4,140                                                                          | 470            | 18,600        | 15                                       | (10)                                    | 67,375                                                              | (10)          | (10)                     | (10)      | 30,850             | 50.1             | 27,525                     | (10)             |  |  |                                                                     |
| Mar.           | 4,500                                                                          | 520            | 20,500        | 17                                       | (10)                                    | 81,206                                                              | (10)          | (10)                     | (10)      | 51,355             | 63.2             | 20,851                     | (10)             |  |  |                                                                     |
| Apr.           | 4,423                                                                          | 491            | 19,900        | 16                                       | (10)                                    | 72,954                                                              | 44,325        | 24,812                   | 4,317     | 45,337             | 62.2             | 27,617                     | \$16.00          |  |  |                                                                     |
| May            | 4,247                                                                          | 476            | 19,100        | 16                                       | (10)                                    | 70,807                                                              | 41,848        | 25,169                   | 4,290     | 48,802             | 68.9             | 22,006                     | 15.15            |  |  |                                                                     |
| June           | 3,754                                                                          | 437            | 16,900        | 14                                       | (10)                                    | 66,338                                                              | 30,425        | 22,030                   | 4,283     | 42,464             | 64.0             | 23,874                     | 15.95            |  |  |                                                                     |
| July           | 3,455                                                                          | 453            | 15,385        | 13                                       | (10)                                    | 60,095                                                              | 34,675        | 21,581                   | 3,839     | 37,502             | 62.4             | 22,593                     | 15.40            |  |  |                                                                     |
| Aug.           | 3,352                                                                          | 408            | 15,085        | 12                                       | (10)                                    | 61,468                                                              | 33,402        | 23,796                   | 4,270     | 39,822             | 64.8             | 21,640                     | 16.28            |  |  |                                                                     |
| Sept.          | 3,008                                                                          | 398            | 13,403        | 11                                       | (10)                                    | 59,338                                                              | 32,788        | 21,960                   | 4,584     | 36,320             | 61.2             | 23,009                     | 17.41            |  |  |                                                                     |
| Oct.           | 3,011                                                                          | 435            | 13,610        | 11                                       | (10)                                    | 64,905                                                              | 35,254        | 24,829                   | 4,825     | 40,370             | 62.2             | 24,535                     | 19.08            |  |  |                                                                     |
| Nov.           | 3,386                                                                          | 463            | 15,082        | 12                                       | (10)                                    | 70,878                                                              | 43,377        | 21,715                   | 5,786     | 39,825             | 56.2             | 31,053                     | 18.47            |  |  |                                                                     |
| Dec.           | 2,631                                                                          | 447            | 11,672        | 10                                       | (10)                                    | 56,597                                                              | 46,784        | 3,468                    | 7,345     | 27,842             | 40.2             | 28,755                     | 17.02            |  |  |                                                                     |
| 1934           |                                                                                |                |               |                                          |                                         | 1,475,792                                                           | 666,587       | 457,412                  | 361,843   | 1,063,413          | 72.1             | 412,379                    |                  |  |  |                                                                     |
| Jan.           | 2,481                                                                          | 473            | 11,084        | 9                                        | (10)                                    | 54,109                                                              | 43,753        | 1,550                    | 8,796     | 20,271             | 54.1             | 24,338                     | 17.15            |  |  |                                                                     |
| Feb.           | 2,593                                                                          | 559            | 11,636        | 9                                        | 127                                     | 57,113                                                              | 45,851        | 1,704                    | 9,558     | 25,938             | 45.4             | 31,175                     | 17.23            |  |  |                                                                     |
| Mar.           | 3,054                                                                          | 643            | 13,764        | 11                                       | 145                                     | 69,637                                                              | 54,288        | 3,394                    | 11,955    | 32,347             | 46.4             | 37,290                     | 17.74            |  |  |                                                                     |
| Apr.           | 3,791                                                                          | 654            | 16,842        | 14                                       | 164                                     | 111,692                                                             | 54,644        | 33,805                   | 23,343    | 70,829             | 71.5             | 31,896                     | 22.12            |  |  |                                                                     |
| May            | 3,803                                                                          | 631            | 17,182        | 14                                       | 174                                     | 128,508                                                             | 54,932        | 42,681                   | 30,895    | 95,368             | 74.2             | 33,140                     | 24.53            |  |  |                                                                     |
| June           | 3,753                                                                          | 577            | 16,829        | 14                                       | 187                                     | 125,401                                                             | 51,104        | 42,424                   | 31,873    | 91,497             | 73.0             | 33,904                     | 24.84            |  |  |                                                                     |
| July           | 3,838                                                                          | 557            | 17,203        | 14                                       | 195                                     | 130,909                                                             | 50,179        | 47,355                   | 33,375    | 94,865             | 72.4             | 36,044                     | 25.37            |  |  |                                                                     |
| Aug.           | 4,034                                                                          | 586            | 18,117        | 15                                       | 206                                     | 149,151                                                             | 54,591        | 54,927                   | 39,633    | 112,543            | 75.6             | 30,603                     | 25.77            |  |  |                                                                     |
| Sept.          | 4,069                                                                          | 673            | 18,301        | 15                                       | 222                                     | 141,613                                                             | 52,950        | 50,375                   | 38,288    | 108,274            | 76.6             | 33,330                     | 24.22            |  |  |                                                                     |
| Oct.           | 4,075                                                                          | 740            | 18,324        | 15                                       | 236                                     | 156,221                                                             | 60,615        | 54,028                   | 42,578    | 121,554            | 77.8             | 34,667                     | 20.40            |  |  |                                                                     |
| Nov.           | 4,214                                                                          | 790            | 18,948        | 15                                       | 267                                     | 171,942                                                             | 63,224        | 63,070                   | 46,048    | 138,358            | 77.0             | 38,584                     | 23.39            |  |  |                                                                     |
| Dec.           | 4,459                                                                          | 822            | 20,058        | 16                                       | 289                                     | 179,496                                                             | 71,506        | 62,089                   | 46,901    | 138,572            | 77.2             | 40,924                     | 28.42            |  |  |                                                                     |
| 1935           |                                                                                |                |               |                                          |                                         | 1,827,994                                                           | 834,411       | 615,813                  | 477,770   | 1,369,921          | 74.4             | 468,073                    |                  |  |  |                                                                     |
| Jan.           | 4,617                                                                          | 873            | 20,686        | 17                                       | 297                                     | 196,511                                                             | 77,536        | 70,902                   | 48,074    | 151,886            | 77.3             | 44,625                     | 30.45            |  |  |                                                                     |
| Feb.           | 4,585                                                                          | 898            | 20,912        | 17                                       | 300                                     | 180,030                                                             | 72,802        | 62,863                   | 44,965    | 141,743            | 78.5             | 38,287                     | 28.00            |  |  |                                                                     |
| Mar.           | 4,589                                                                          | 905            | 20,580        | 17                                       | 800                                     | 188,459                                                             | 75,482        | 61,848                   | 51,129    | 146,300            | 77.7             | 42,060                     | 28.82            |  |  |                                                                     |
| Apr.           | 4,469                                                                          | 903            | 20,045        | 16                                       | 294                                     | 188,348                                                             | 71,969        | 61,333                   | 55,046    | 142,293            | 75.5             | 40,085                     | 28.96            |  |  |                                                                     |
| May            | 4,805                                                                          | 883            | 19,779        | 16                                       | 274                                     | 188,003                                                             | 67,061        | 63,539                   | 58,003    | 144,150            | 76.4             | 44,453                     | 29.38            |  |  |                                                                     |
| June           | 4,025                                                                          | 797            | 17,981        | 15                                       | 304                                     | 199,471                                                             | 62,881        | 54,384                   | 52,400    | 130,102            | 70.8             | 39,369                     | 28.17            |  |  |                                                                     |
| July           | 3,682                                                                          | 716            | 16,162        | 13                                       | 253                                     | 190,632                                                             | 65,731        | 53,137                   | 47,614    | 123,565            | 70.9             | 37,037                     | 29.02            |  |  |                                                                     |
| Aug.           | 3,554                                                                          | 699            | 15,552        | 13                                       | 245                                     | 147,878                                                             | 71,375        | 38,989                   | 37,514    | 111,701            | 75.6             | 36,137                     | 28.41            |  |  |                                                                     |
| Sept.          | 3,264                                                                          | 670            | 14,231        | 12                                       | 219                                     | 121,190                                                             | 71,059        | 21,184                   | 28,353    | 89,226             | 73.8             | 31,970                     | 25.80            |  |  |                                                                     |
| Oct.           | 3,085                                                                          | 656            | 13,433        | 11                                       | 158                                     | 120,960                                                             | 77,215        | 17,791                   | 25,984    | 85,282             | 70.6             | 35,708                     | 27.88            |  |  |                                                                     |
| Nov.           | 2,853                                                                          | 626            | 12,384        | 10                                       | 112                                     | 95,279                                                              | 67,596        | 8,258                    | 19,425    | 63,411             | 66.6             | 31,868                     | 23.87            |  |  |                                                                     |
| Dec.           | 2,084                                                                          | 552            | 8,915         | 7                                        | 64                                      | 69,997                                                              | 53,305        | 1,555                    | 15,107    | 36,172             | 43.1             | 30,825                     | 23.17            |  |  |                                                                     |

<sup>1</sup> Covers the general relief program (direct relief and work relief) and special programs (rural rehabilitation, emergency education, and college student aid).

<sup>2</sup> Includes, in addition to direct relief and work relief, obligations incurred for relief under the special programs, for administration, and, since April 1934, for purchases of materials, supplies, and equipment, rental of equipment, earnings of nonrelief persons employed, and other expenses incident to the Emergency Work Relief Program, which in this table are combined in the column headed "All other."

<sup>3</sup> Includes all teachers employed under the emergency education program initiated in October 1933.

<sup>4</sup> Based on the 1930 Census of Population.

<sup>5</sup> Middle of the month figures.

<sup>6</sup> Beginning with April 1934, represents earnings of relief persons under the Emergency Work Relief Program.

<sup>7</sup> Covers only direct relief and Emergency Work Relief Program earnings of families under the general relief program. <sup>8</sup> Partially estimated. <sup>9</sup> Estimated. <sup>10</sup> Data not available.

<sup>11</sup> Figures do not include activities conducted under the Civil Works Program.

<sup>12</sup> Does not include rural rehabilitation program (transferred to Resettlement Administration) and college student aid program (not in operation in July and August, and conducted by the National Youth Administration from September through December 1935).

Source: Federal Emergency Relief Administration.

**No. 374.—UNEMPLOYMENT RELIEF: RESIDENT CASES AND PERSONS RECEIVING EMERGENCY RELIEF AND OBLIGATIONS INCURRED FOR EMERGENCY RELIEF FROM ALL PUBLIC FUNDS, BY STATES, AS REPORTED TO THE FEDERAL EMERGENCY RELIEF ADMINISTRATION**

NOTE.—See headnote, table 373

| State                       | Resident cases and persons receiving relief during June 1935 <sup>1</sup><br>(thousands) |         | Obligations incurred for relief during 1935 <sup>1</sup><br>(thousands of dollars) |               | State             | Resident cases and persons receiving relief during June 1935 <sup>1</sup><br>(thousands) |         | Obligations incurred for relief during 1935 <sup>1</sup><br>(thousands of dollars) |               |
|-----------------------------|------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------|---------------|-------------------|------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------|---------------|
|                             | Cases                                                                                    | Persons | Total                                                                              | Federal funds |                   | Cases                                                                                    | Persons | Total                                                                              | Federal funds |
| United States...            | 4, 822                                                                                   | 17, 961 | 1,827, 964                                                                         | 1, 359, 921   | Montana.....      | 28                                                                                       | 90      | 9, 842                                                                             | 9, 105        |
| Alabama.....                | 84                                                                                       | 344     | 18, 747                                                                            | 17, 332       | Nebraska.....     | 44                                                                                       | 160     | 15, 834                                                                            | 12, 971       |
| Arizona.....                | 23                                                                                       | 84      | 8, 126                                                                             | 6, 903        | Nevada.....       | 3                                                                                        | 8       | 2, 776                                                                             | 2, 309        |
| Arkansas.....               | 74                                                                                       | 317     | 17, 626                                                                            | 16, 943       | N. Hampshire..    | 14                                                                                       | 52      | 5, 607                                                                             | 2, 159        |
| California.....             | 241                                                                                      | 714     | 120, 128                                                                           | 91, 086       | New Jersey.....   | 157                                                                                      | 557     | 62, 632                                                                            | 45, 725       |
| Colorado.....               | 63                                                                                       | 229     | 22, 160                                                                            | 19, 776       | New Mexico.....   | 31                                                                                       | 131     | 5, 146                                                                             | 7, 718        |
| Connecticut.....            | 42                                                                                       | 182     | 25, 231                                                                            | 12, 884       | New York.....     | 659                                                                                      | 1, 995  | 308, 646                                                                           | 172, 308      |
| Delaware <sup>2</sup> ..... | 4                                                                                        | 15      | 1, 213                                                                             | 843           | N. Carolina.....  | 71                                                                                       | 327     | 15, 344                                                                            | 16, 295       |
| Dist. of Col.....           | 19                                                                                       | 49      | 9, 127                                                                             | 6, 983        | N. Dakota.....    | 40                                                                                       | 150     | 13, 736                                                                            | 11, 860       |
| Florida.....                | 65                                                                                       | 238     | 15, 408                                                                            | 14, 495       | Ohio.....         | 323                                                                                      | 1, 103  | 97, 740                                                                            | 85, 400       |
| Georgia.....                | 78                                                                                       | 315     | 21, 924                                                                            | 20, 239       | Oklahoma.....     | 119                                                                                      | 531     | 21, 882                                                                            | 19, 439       |
| Idaho.....                  | 21                                                                                       | 76      | 7, 908                                                                             | 6, 235        | Oregon.....       | 30                                                                                       | 99      | 12, 222                                                                            | 9, 104        |
| Illinois.....               | 304                                                                                      | 1, 010  | 122, 924                                                                           | 100, 502      | Pennsylvania..... | 473                                                                                      | 1, 777  | 212, 988                                                                           | 163, 647      |
| Indiana.....                | 115                                                                                      | 421     | 34, 720                                                                            | 22, 762       | Rhode Island..    | 15                                                                                       | 75      | 8, 680                                                                             | 3, 038        |
| Iowa.....                   | 50                                                                                       | 197     | 10, 618                                                                            | 12, 393       | S. Carolina.....  | 60                                                                                       | 248     | 12, 778                                                                            | 12, 448       |
| Kansas.....                 | 80                                                                                       | 297     | 28, 480                                                                            | 21, 696       | S. Dakota.....    | 69                                                                                       | 236     | 13, 335                                                                            | 12, 020       |
| Kentucky.....               | 108                                                                                      | 495     | 18, 762                                                                            | 15, 939       | Tennessee.....    | 77                                                                                       | 347     | 15, 155                                                                            | 15, 486       |
| Louisiana.....              | 64                                                                                       | 243     | 19, 440                                                                            | 18, 621       | Texas.....        | 198                                                                                      | 789     | 45, 312                                                                            | 39, 320       |
| Maine.....                  | 22                                                                                       | 88      | 10, 108                                                                            | 5, 658        | Utah.....         | 27                                                                                       | 105     | 10, 676                                                                            | 8, 267        |
| Maryland.....               | 38                                                                                       | 142     | 16, 924                                                                            | 14, 384       | Vermont.....      | 8                                                                                        | 33      | 2, 695                                                                             | 1, 760        |
| Massachusetts.....          | 187                                                                                      | 722     | 105, 675                                                                           | 67, 160       | Virginia.....     | 52                                                                                       | 233     | 14, 169                                                                            | 13, 557       |
| Michigan.....               | 160                                                                                      | 602     | 66, 459                                                                            | 49, 854       | Washington.....   | 68                                                                                       | 294     | 20, 886                                                                            | 16, 688       |
| Minnesota.....              | 104                                                                                      | 376     | 44, 413                                                                            | 34, 373       | West Virginia..   | 39                                                                                       | 369     | 20, 708                                                                            | 17, 677       |
| Mississippi.....            | 50                                                                                       | 225     | 13, 630                                                                            | 12, 702       | Wisconsin.....    | 107                                                                                      | 372     | 49, 193                                                                            | 35, 231       |
| Missouri.....               | 147                                                                                      | 638     | 42, 205                                                                            | 32, 353       | Wyoming.....      | 7                                                                                        | 26      | 3, 470                                                                             | 3, 174        |

<sup>1</sup> Covers the general relief program (direct and work relief) and special programs (rural rehabilitation, emergency education, and college student aid). The number of cases receiving relief includes the "families" and "single persons" that are shown separately in table 373.

<sup>2</sup> Includes in addition to relief extended to cases under the general relief program (direct and work relief) obligations incurred for special programs, for administration, and, since April 1934, for purchase of materials, supplies and equipment, rental of equipment, earnings of nonrelief persons employed, and other expenses incident to Emergency Work Relief Program.

<sup>3</sup> Public emergency relief extended only in New Castle County (Wilmington).

Source: Federal Emergency Relief Administration.

**No. 375.—EMERGENCY CONSERVATION WORK: ENROLLED STRENGTH OF CIVILIAN CONSERVATION CORPS AND AMOUNT EXPENDED OR OBLIGATED**

NOTE.—Data for enrolled strength represent continental United States, while those for expenditures or obligations include Alaska, Hawaii, and Puerto Rico, and for 1934-35 and 1935-36 also the Virgin Islands.

| Month                        | Enrolled strength at end of month <sup>1</sup> |          |          | Object of expenditure                    | Expended or obligated<br>(thousands of dollars) <sup>2</sup> |          |          |
|------------------------------|------------------------------------------------|----------|----------|------------------------------------------|--------------------------------------------------------------|----------|----------|
|                              | 1933-34                                        | 1934-35  | 1935-36  |                                          | 1933-34                                                      | 1934-35  | 1935-36  |
| April.....                   | 37, 180                                        | 267, 256 | 341, 891 | Total.....                               | 296, 128                                                     | 450, 046 | 469, 294 |
| May.....                     | 154, 238                                       | 285, 546 | 320, 362 | Allowance to members.....                | 90, 161                                                      | 126, 426 | 154, 076 |
| June.....                    | 270, 722                                       | 232, 677 | 358, 558 | Pay of civilian employees.....           | 28, 377                                                      | 43, 862  | 56, 604  |
| July.....                    | 203, 582                                       | 345, 181 | 404, 425 | Clothing, subsistence, etc. <sup>3</sup> | 91, 046                                                      | 144, 767 | 153, 938 |
| August.....                  | 275, 068                                       | 338, 047 | 506, 782 | Supplies, materials, and equipment.....  | 41, 696                                                      | 56, 506  | 62, 200  |
| September <sup>3</sup> ..... | 208, 700                                       | 277, 704 | 449, 680 | Travel of persons.....                   | 11, 655                                                      | 14, 209  | 13, 664  |
| October.....                 | 240, 241                                       | 349, 334 | 474, 390 | Transportation of things.....            | 7, 392                                                       | 9, 690   | 10, 199  |
| November.....                | 257, 733                                       | 337, 456 | 470, 121 | Miscellaneous.....                       | 14, 903                                                      | 31, 259  | 38, 403  |
| December.....                | 278, 617                                       | 299, 479 | 445, 147 | Acquisition of land.....                 | 9, 998                                                       | 23, 327  |          |
| January.....                 | 280, 184                                       | 346, 245 | 413, 011 |                                          |                                                              |          |          |
| February.....                | 273, 766                                       | 332, 876 | 392, 761 |                                          |                                                              |          |          |
| March <sup>3</sup> .....     | 211, 747                                       | 241, 810 | 294, 921 |                                          |                                                              |          |          |

<sup>1</sup> Excludes Indians and Territorial enrollees, averaging about 9,000 per month. <sup>2</sup> Years ended March.

<sup>3</sup> Last day enrollment is low for these months as they are the end of a 6 months' discharge period.

<sup>4</sup> Includes shelter, clothing, medical supplies and treatment, and utilities.

Source: Director of Emergency Conservation Work.

# No. 376.—ACTIVITIES OF OFFICES OF THE STATE EMPLOYMENT SERVICES AND THE NATIONAL REEMPLOYMENT SERVICE

NOTE.—Data represent United States Employment Service which operated about 670 urban and district offices, and about 970 additional branches and temporary offices during June 1936. The operating organization is composed of 2 major branches. The first consists of State employment services, affiliated with the United States Employment Service, under the terms of the Wagner-Feysor Act whereby State appropriations are matched within limits, after the State service has conformed to the Federal operating standards. These State employment services functioned in 34 States during June 1936. The second operating division is the National Reemployment Service, a Federal organization. Offices of this service provide employment service in portions of the affiliated States not covered by the State employment services and give complete coverage in all other States. By agreement with the Works Progress Administration, from May 1935 through May 1936 all certified relief recipients were registered and were included in the active file. Field visits represent the number of employer contacts. Data by States, industries, etc., are shown in the Monthly Labor Review published by the United States Department of Labor.

| Year and month      | Active file | New applications | Field visits | Placements |           |                                     |                                |
|---------------------|-------------|------------------|--------------|------------|-----------|-------------------------------------|--------------------------------|
|                     |             |                  |              | Total      | Private   | Public works and Government service | C. W. A., W. F. A., and relief |
| 1933 (6 mos. total) |             | 9,063,802        | 48,687       | 3,161,866  | 376,180   | 482,370                             | 2,304,288                      |
| July                | (1)         | 100,123          | 210          | 34,780     | 31,381    | 2,044                               | 701                            |
| August              | (1)         | 407,269          | 1,462        | 47,590     | 41,238    | 5,555                               | 803                            |
| September           | (1)         | 684,190          | 4,003        | 118,798    | 64,315    | 51,048                              | 2,836                          |
| October             | (1)         | 795,773          | 10,060       | 203,767    | 78,543    | 120,365                             | 4,869                          |
| November            | (1)         | 2,351,020        | 11,660       | 475,996    | 74,030    | 140,784                             | 261,173                        |
| December            | (1)         | 4,719,421        | 20,042       | 2,280,913  | 85,673    | 161,383                             | 2,033,867                      |
| 1934                |             | 5,493,175        | 1,253,046    | 5,618,332  | 1,483,638 | 2,014,454                           | 2,120,240                      |
| January             | (1)         | 1,892,147        | 83,046       | 1,325,895  | 103,692   | 128,181                             | 1,096,122                      |
| February            | (1)         | 404,745          | 79,883       | 548,435    | 87,802    | 103,862                             | 356,771                        |
| March               | 28,262,762  | 363,219          | 123,775      | 491,309    | 142,013   | 125,063                             | 222,333                        |
| April               | 18,367,980  | 319,383          | 120,377      | 501,518    | 184,761   | 213,403                             | 103,204                        |
| May                 | 7,899,222   | 282,152          | 123,522      | 530,281    | 210,737   | 230,634                             | 70,910                         |
| June                | 7,627,375   | 309,626          | 134,095      | 473,104    | 191,879   | 230,113                             | 61,202                         |
| July                | 7,181,514   | 345,401          | 109,542      | 347,253    | 107,352   | 210,108                             | 20,823                         |
| August              | 7,127,545   | 376,886          | 114,643      | 313,230    | 97,131    | 200,474                             | 15,635                         |
| September           | 6,951,090   | 332,665          | 101,344      | 267,442    | 93,766    | 157,461                             | 5,815                          |
| October             | 6,786,357   | 341,146          | 107,980      | 317,187    | 101,771   | 178,127                             | 37,259                         |
| November            | 6,603,970   | 292,117          | 89,289       | 281,061    | 77,476    | 130,324                             | 73,801                         |
| December            | 6,526,375   | 233,839          | 85,550       | 230,927    | 75,468    | 80,214                              | 66,266                         |
| 1935                |             | 6,557,966        | 915,181      | 4,467,523  | 1,107,755 | 1,432,413                           | 1,917,355                      |
| January             | 6,467,740   | 321,375          | 83,817       | 220,865    | 76,857    | 82,463                              | 62,545                         |
| February            | 6,559,053   | 282,707          | 71,627       | 154,990    | 66,334    | 66,513                              | 22,143                         |
| March               | 6,384,732   | 286,810          | 53,329       | 203,885    | 85,417    | 100,148                             | 18,320                         |
| April               | 6,312,060   | 322,519          | 58,531       | 285,093    | 101,467   | 146,825                             | 30,801                         |
| May                 | 6,094,192   | 379,632          | 59,265       | 290,456    | 112,109   | 157,957                             | 20,330                         |
| June                | 6,713,047   | 662,066          | 72,975       | 271,062    | 96,709    | 152,754                             | 33,142                         |
| July                | 7,592,206   | 363,930          | 75,874       | 253,760    | 105,477   | 153,743                             | 24,540                         |
| August              | 8,277,774   | 878,782          | 84,022       | 304,499    | 105,101   | 138,347                             | 61,051                         |
| September           | 8,747,852   | 691,853          | 73,220       | 396,340    | 114,327   | 120,640                             | 101,373                        |
| October             | 8,796,750   | 656,741          | 73,278       | 561,717    | 117,091   | 132,610                             | 312,110                        |
| November            | 8,456,718   | 550,457          | 56,887       | 684,329    | 68,292    | 80,579                              | 526,468                        |
| December            | 9,025,993   | 501,194          | 80,336       | 799,927    | 60,457    | 90,934                              | 648,586                        |
| 1936 (6 mos. total) |             | 2,120,231        | 446,905      | 2,748,927  | 589,400   | 1,025,971                           | 1,133,457                      |
| January             | 9,083,717   | 433,585          | 56,370       | 522,762    | 61,885    | 95,825                              | 365,094                        |
| February            | 9,252,667   | 365,327          | 55,765       | 357,279    | 60,263    | 81,454                              | 239,562                        |
| March               | 9,312,517   | 364,758          | 75,105       | 442,331    | 99,122    | 136,678                             | 212,031                        |
| April               | 9,044,869   | 300,510          | 85,725       | 454,820    | 110,912   | 201,255                             | 142,669                        |
| May                 | 8,312,269   | 295,812          | 83,711       | 468,588    | 130,802   | 243,628                             | 91,258                         |
| June                | 8,498,076   | 370,233          | 85,229       | 473,141    | 123,617   | 207,331                             | 82,203                         |

<sup>1</sup> Data are not available.

<sup>2</sup> Partially estimated.

<sup>3</sup> Changes in procedure affecting the composition of the active file resulted in the decline during June 1936.

Source: United States Employment Service, Department of Labor.

# 16.—POSTAL SERVICE

[Postal statistics, unless otherwise noted, include data for outlying territories and possessions except Philippine Islands and Canal Zone]

## No. 377.—UNITED STATES POSTAL SERVICE, 1800 TO 1935

| Year ended June 30— | Number of post offices | Mileage of post routes <sup>1</sup> | Finances, thousands of dollars |                   |                                         | Revenue per capita, dollars | Money orders issued, thousands of dollars |                            | Number of ordinary postage stamps issued, millions | Number of pieces of mail handled, millions <sup>4</sup> |
|---------------------|------------------------|-------------------------------------|--------------------------------|-------------------|-----------------------------------------|-----------------------------|-------------------------------------------|----------------------------|----------------------------------------------------|---------------------------------------------------------|
|                     |                        |                                     | Gross revenue                  | Gross expenditure | Surplus (+) or deficit (—) <sup>2</sup> |                             | Domestic <sup>3</sup>                     | International <sup>3</sup> |                                                    |                                                         |
| 1800                | 903                    | 20,817                              | 281                            | 214               | +67                                     |                             |                                           |                            |                                                    |                                                         |
| 1810                | 2,300                  | 30,406                              | 552                            | 496               | +56                                     |                             |                                           |                            |                                                    |                                                         |
| 1820                | 4,500                  | 72,492                              | 1,112                          | 1,161             | -49                                     |                             |                                           |                            |                                                    |                                                         |
| 1830                | 8,460                  | 116,178                             | 1,851                          | 1,933             | -82                                     |                             |                                           |                            |                                                    |                                                         |
| 1840                | 13,498                 | 155,739                             | 4,544                          | 4,718             | -175                                    | 0.27                        |                                           |                            |                                                    |                                                         |
| 1850                | 18,417                 | 178,072                             | 5,500                          | 5,213             | +287                                    | .20                         |                                           |                            | 2                                                  |                                                         |
| 1860                | 28,408                 | 240,594                             | 8,518                          | 19,171            | -10,653                                 | .27                         |                                           |                            | 216                                                |                                                         |
| 1865                | 20,550                 | 142,340                             | 14,550                         | 13,695            | +917                                    | .42                         | 1,360                                     |                            | 387                                                |                                                         |
| 1870                | 28,492                 | 231,232                             | 18,880                         | 23,999            | -5,098                                  | .49                         | 34,054                                    | 7.22                       | 468                                                |                                                         |
| 1875                | 35,547                 | 277,873                             | 26,701                         | 33,611            | -6,820                                  | .61                         | 77,431                                    | 1,065                      | 682                                                |                                                         |
| 1880                | 42,980                 | 343,888                             | 33,315                         | 35,548            | -3,222                                  | .66                         | 100,353                                   | 3,464                      | 876                                                |                                                         |
| 1885                | 51,282                 | 365,251                             | 42,631                         | 50,046            | -7,431                                  | .76                         | 117,869                                   | 6,840                      | 1,405                                              |                                                         |
| 1890                | 62,401                 | 427,000                             | 60,882                         | 66,280            | -5,401                                  | .97                         | 114,363                                   | 13,230                     | 2,220                                              | 4,005                                                   |
| 1895                | 70,064                 | 466,026                             | 76,983                         | 87,180            | -10,230                                 | 1.12                        | 156,709                                   | 12,906                     | 2,795                                              | 5,134                                                   |
| 1898                | 78,570                 | 480,461                             | 89,013                         | 98,034            | -9,055                                  | 1.22                        | 191,354                                   | 13,240                     | 3,418                                              | 6,214                                                   |
| 1899                | 75,000                 | 466,948                             | 95,021                         | 101,632           | -6,630                                  | 1.28                        | 211,214                                   | 13,745                     | 3,693                                              | 6,578                                                   |
| 1900                | 70,088                 | 500,989                             | 102,355                        | 107,740           | -5,410                                  | 1.34                        | 238,921                                   | 16,749                     | 3,999                                              | 7,130                                                   |
| 1901                | 70,945                 | 511,808                             | 111,631                        | 115,555           | -3,982                                  | 1.43                        | 274,546                                   | 20,073                     | 4,239                                              | 7,424                                                   |
| 1902                | 75,924                 | 507,540                             | 121,848                        | 124,786           | -2,961                                  | 1.53                        | 313,551                                   | 22,974                     | 4,621                                              | 8,085                                                   |
| 1903                | 74,100                 | 500,208                             | 134,224                        | 138,784           | -4,587                                  | 1.66                        | 353,628                                   | 35,238                     | 5,271                                              | 8,887                                                   |
| 1904                | 71,131                 | 400,818                             | 143,583                        | 152,362           | -8,813                                  | 1.74                        | 378,778                                   | 42,550                     | 5,331                                              | 9,502                                                   |
| 1905                | 68,131                 | 486,805                             | 152,827                        | 167,399           | -14,594                                 | 1.81                        | 396,903                                   | 47,516                     | 5,751                                              | 10,188                                                  |
| 1906                | 65,000                 | 478,711                             | 107,933                        | 178,450           | -10,543                                 | 1.96                        | 444,516                                   | 63,048                     | 6,284                                              | 11,361                                                  |
| 1907                | 62,658                 | 468,406                             | 183,585                        | 190,238           | -6,692                                  | 2.11                        | 479,650                                   | 84,081                     | 7,061                                              | 12,256                                                  |
| 1908                | 60,704                 | 450,738                             | 191,479                        | 208,352           | -16,910                                 | 2.15                        | 498,700                                   | 88,972                     | 7,651                                              | 13,364                                                  |
| 1909                | 60,144                 | 448,618                             | 203,562                        | 221,004           | -17,430                                 | 2.24                        | 491,075                                   | 76,755                     | 8,732                                              | 14,005                                                  |
| 1910                | 59,550                 | 447,998                             | 224,129                        | 229,977           | -5,881                                  | 2.43                        | 547,994                                   | 99,743                     | 9,067                                              | 14,850                                                  |
| 1911                | 59,237                 | 435,488                             | 237,880                        | 237,649           | +219                                    | 2.53                        | 578,111                                   | 109,065                    | 10,046                                             | 16,901                                                  |
| 1912                | 58,729                 | 436,469                             | 246,744                        | 248,525           | -1,786                                  | 2.68                        | 583,337                                   | 97,660                     | 9,929                                              | 17,589                                                  |
| 1913                | 58,090                 | 430,293                             | 266,020                        | 262,068           | +4,511                                  | 2.74                        | 624,489                                   | 102,668                    | 10,813                                             | 18,567                                                  |
| 1914                | 56,810                 | 435,597                             | 287,935                        | 283,544           | +4,376                                  | 2.91                        | 667,281                                   | 101,983                    | 11,112                                             |                                                         |
| 1915                | 56,380                 | 433,334                             | 287,248                        | 298,546           | -11,333                                 | 2.85                        | 656,139                                   | 60,772                     | 11,226                                             |                                                         |
| 1916                | 55,935                 | 425,950                             | 312,058                        | 306,204           | +5,829                                  | 3.05                        | 719,365                                   | 46,357                     | 11,672                                             |                                                         |
| 1917                | 55,414                 | 464,835                             | 329,726                        | 319,839           | +9,886                                  | 3.18                        | 813,319                                   | 41,645                     | 12,452                                             |                                                         |
| 1918 <sup>5</sup>   | 54,347                 | 465,371                             | 388,976                        | 324,834           | +64,127                                 | 3.70                        | 904,650                                   | 35,865                     | 13,066                                             |                                                         |
| 1919 <sup>6</sup>   | 53,084                 | 455,498                             | 436,239                        | 362,498           | +73,735                                 | 4.11                        | 1,109,613                                 | 39,766                     | 15,020                                             |                                                         |
| 1920                | 52,641                 | 435,342                             | 437,150                        | 454,323           | -17,270                                 | 4.10                        | 1,332,700                                 | 32,980                     | 13,213                                             |                                                         |
| 1921                | 52,168                 | 434,349                             | 463,491                        | 620,904           | -157,518                                | 4.28                        | 1,305,370                                 | 24,399                     | 13,570                                             |                                                         |
| 1922                | 51,950                 | 454,901                             | 484,854                        | 645,044           | -60,815                                 | 4.41                        | 1,205,327                                 | 20,661                     | 14,262                                             |                                                         |
| 1923                | 51,613                 | 460,171                             | 532,828                        | 556,851           | -24,065                                 | 4.78                        | 1,378,461                                 | 34,119                     | 15,478                                             | 23,055                                                  |
| 1924                | 51,266                 | 467,806                             | 572,949                        | 587,377           | -14,464                                 | 5.08                        | 1,510,705                                 | 50,615                     | 16,954                                             | 24,358                                                  |
| 1925                | 50,957                 | 464,269                             | 599,591                        | 639,282           | -39,745                                 | 5.28                        | 1,532,567                                 | 52,650                     | 17,887                                             | 25,835                                                  |
| 1926                | 50,601                 | 470,779                             | 659,820                        | 679,704           | -19,972                                 | 5.63                        | 1,590,486                                 | 63,172                     | 16,333                                             | 25,484                                                  |
| 1927                | 50,260                 | 478,662                             | 683,122                        | 714,577           | -31,506                                 | 5.76                        | 1,647,580                                 | 68,952                     | 16,000                                             | 26,687                                                  |
| 1928                | 49,944                 | 487,512                             | 693,034                        | 725,700           | -32,121                                 | 5.78                        | 1,630,157                                 | 71,520                     | 16,076                                             | 26,837                                                  |
| 1929                | 49,482                 | 491,179                             | 696,948                        | 782,344           | -85,461                                 | 5.73                        | 1,658,443                                 | 76,113                     | 16,917                                             | 27,932                                                  |
| 1930                | 49,063                 | 503,918                             | 705,484                        | 803,667           | -98,216                                 | 5.75                        | 1,714,576                                 | 72,708                     | 16,209                                             | 27,888                                                  |
| 1931                | 48,733                 | 528,570                             | 656,403                        | 802,485           | -146,086                                | 5.29                        | 1,559,549                                 | 62,228                     | 15,559                                             | 26,544                                                  |
| 1932                | 48,159                 | 537,544                             | 588,172                        | 793,984           | -205,551                                | 4.71                        | 1,536,859                                 | 48,449                     | 14,661                                             | 24,307                                                  |
| 1933                | 47,641                 | 536,979                             | 587,631                        | 699,887           | -112,375                                | 4.67                        | 1,647,421                                 | 35,116                     | 11,917                                             | 19,868                                                  |
| 1934                | 46,506                 | 536,751                             | 586,733                        | 630,733           | -44,034                                 | 4.64                        | 1,776,740                                 | 30,041                     | 12,626                                             | 20,626                                                  |
| 1935                | 45,680                 | 514,128                             | 630,795                        | 690,503           | -65,808                                 | 4.94                        | 1,820,957                                 | 30,429                     | 13,610                                             | 22,332                                                  |

<sup>1</sup> Not counting rural free delivery routes.

<sup>2</sup> Audited postal surplus or deficit which is greater or less than excess of receipts or expenditures by the amount of adjusted losses and contingencies.

<sup>3</sup> International includes foreign countries on domestic basis. For explanation see headnote table 379.

<sup>4</sup> Data are for continental United States and are estimates except in 1923 and beginning with 1926, when figures are accurate calculations. No estimates made from 1914 to 1922, inclusive.

<sup>5</sup> Postage stamps first issued under act of Mar. 3, 1847, and placed on sale at New York July 1, 1847.

<sup>6</sup> From Nov. 1, 1864, when money-order system first went into operation, to June 30, 1865.

<sup>7</sup> From Sept. 1, 1869, to June 30, 1870. International money orders first issued under convention of Oct. 12, 1867.

<sup>8</sup> Gross revenues of department for 1918 and 1919 include \$44,500,000 and \$71,292,000, respectively, war-tax revenue accruing from increased postage.

Source: Annual Reports of the Postmaster General.



# No. 378.—REVENUES, UNITED STATES POSTAL SERVICE: YEARS ENDED JUNE 30

All figures in thousands of dollars]

| Item                                                                   | 1910     | 1915     | 1920     | 1925     | 1930     | 1933     | 1934     | 1935     |
|------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| <b>Total</b> .....                                                     | 224, 129 | 287, 248 | 437, 150 | 599, 591 | 705, 484 | 587, 631 | 586, 733 | 630, 795 |
| Ordinary postal revenue.....                                           | 219, 389 | 279, 460 | 424, 406 | 585, 333 | 686, 426 | 564, 325 | 559, 920 | 598, 358 |
| Stamps, postal cards, etc. <sup>1</sup> .....                          | 202, 066 | 266, 087 | 379, 587 | 507, 572 | 574, 851 | 456, 407 | 449, 773 | 473, 407 |
| Second-class postage paid<br>in money (pound rates) <sup>1</sup> ..... | 8, 174   | 10, 468  | 25, 100  | 29, 619  | 28, 584  | 18, 154  | 19, 357  | 18, 431  |
| Other postage paid in<br>money under permit.....                       | 4, 418   | 7, 527   | 12, 960  | 39, 301  | 73, 545  | 81, 485  | 82, 210  | 96, 200  |
| Box rents.....                                                         | 4, 139   | 4, 981   | 6, 145   | 7, 817   | 8, 539   | 6, 860   | 6, 515   | 6, 596   |
| Miscellaneous.....                                                     | 542      | 448      | 614      | 1, 024   | 907      | 1, 410   | 2, 005   | 3, 718   |
| Money-order revenues.....                                              | 4, 790   | 7, 175   | 10, 314  | 12, 000  | 17, 496  | 16, 616  | 18, 710  | 20, 424  |
| Revenue from postal savings.....                                       |          | 612      | 2, 430   | 1, 349   | 1, 562   | 6, 690   | 8, 103   | 12, 013  |

<sup>1</sup> For volume of this item, see table 383.

# No. 379.—POSTAL MONEY-ORDER BUSINESS: YEARS ENDED JUNE 30

NOTE.—For revenues from money orders, see table 378. For value of orders issued for other years, see table 377. Money orders are exchanged on a domestic basis not only within this country, but with its outlying possessions, Canada, Cuba, and numerous islands and minor countries neighboring the United States. International-basis orders are exchanged between the United States and its outlying possessions, on the one hand, and other than "domestic basis" foreign countries, on the other. In this table, however, "International" includes money orders exchanged between the United States and "domestic basis" foreign countries, and these are not included in "Domestic"

| Item                                             | 1910     | 1915     | 1920        | 1925        | 1930        | 1933        | 1934        | 1935        |
|--------------------------------------------------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Number of money-order<br/>offices</b> .....   | 51, 791  | 55, 670  | 54, 395     | 54, 269     | 54, 161     | 56, 106     | 53, 803     | 53, 106     |
| <b>DOMESTIC</b> <sup>1</sup>                     |          |          |             |             |             |             |             |             |
| Orders issued:                                   |          |          |             |             |             |             |             |             |
| Number (1,000).....                              | 76, 918  | 105, 073 | 148, 491    | 197, 054    | 202, 273    | 170, 032    | 108, 081    | 212, 737    |
| Amount (1,000 dollars).....                      | 547, 994 | 656, 139 | 1, 332, 700 | 1, 632, 567 | 1, 714, 576 | 1, 647, 421 | 1, 778, 740 | 1, 820, 957 |
| Orders paid:                                     |          |          |             |             |             |             |             |             |
| Number (1,000).....                              | 76, 496  | 103, 884 | 147, 520    | 196, 038    | 201, 453    | 171, 552    | 196, 024    | 212, 651    |
| Amount (1,000 dollars).....                      | 545, 632 | 652, 786 | 1, 333, 046 | 1, 631, 597 | 1, 713, 681 | 1, 642, 617 | 1, 776, 361 | 1, 821, 152 |
| Excess of issues: <sup>2</sup>                   |          |          |             |             |             |             |             |             |
| Number (1,000).....                              | 422      | 1, 190   | 971         | 1, 015      | 820         | —620        | 1, 457      | 85          |
| Amount (1,000 dollars).....                      | 2, 362   | 1, 353   | —346        | 970         | 896         | —4, 804     | 378         | —194        |
| <b>INTERNATIONAL</b> <sup>3 4</sup>              |          |          |             |             |             |             |             |             |
| Orders issued:                                   |          |          |             |             |             |             |             |             |
| Number (1,000).....                              | 4, 500   | 3, 055   | 1, 852      | 2, 966      | 3, 978      | 2, 640      | 2, 360      | 2, 456      |
| Amount (1,000 dollars).....                      | 99, 743  | 60, 772  | 32, 960     | 52, 650     | 72, 708     | 35, 116     | 30, 041     | 30, 429     |
| Orders paid:                                     |          |          |             |             |             |             |             |             |
| Number (1,000).....                              | 1, 956   | 2, 217   | 1, 508      | 1, 766      | 2, 161      | 940         | 1, 082      | 1, 288      |
| Amount (1,000 dollars).....                      | 27, 244  | 24, 743  | 25, 362     | 19, 795     | 25, 825     | 11, 012     | 13, 145     | 13, 041     |
| Excess of issues: <sup>2</sup>                   |          |          |             |             |             |             |             |             |
| Number (1,000).....                              | 2, 544   | 837      | 343         | 1, 201      | 1, 817      | 1, 691      | 1, 278      | 1, 167      |
| Amount (1,000 dollars).....                      | 72, 499  | 36, 029  | 7, 598      | 32, 886     | 46, 883     | 24, 104     | 16, 895     | 16, 788     |
| <b>FOREIGN "DOMESTIC<br/>BASIS"</b> <sup>1</sup> |          |          |             |             |             |             |             |             |
| Paid in foreign countries:                       |          |          |             |             |             |             |             |             |
| Number (1,000).....                              | 667      | 655      | 601         | 938         | 1, 034      | 548         | 576         | 614         |
| Amount (1,000 dollars).....                      | 10, 184  | 9, 110   | 9, 568      | 15, 920     | 20, 921     | 7, 541      | 7, 792      | 8, 180      |
| Paid in the United<br>States:                    |          |          |             |             |             |             |             |             |
| Number (1,000).....                              | 1, 566   | 1, 936   | 1, 248      | 1, 498      | 1, 751      | 678         | 771         | 939         |
| Amount (1,000 dollars).....                      | 17, 766  | 18, 386  | 17, 916     | 15, 118     | 17, 035     | 6, 101      | 6, 805      | 8, 342      |

<sup>1</sup> Domestic money orders first issued Nov. 1, 1864, under act of Congress approved May 17, 1864.<sup>2</sup> Minus sign indicates excess of payments.<sup>3</sup> Includes foreign countries on "domestic basis."<sup>4</sup> International money orders first issued Sept. 1, 1869, under Postal Convention of Oct. 12, 1867.<sup>5</sup> Included under "International" above.

Source of tables 378 and 379: Annual Reports of the Postmaster General.

**No. 380.—EXPENDITURES, UNITED STATES POSTAL SERVICE: YEARS ENDED JUNE 30**

NOTE.—All figures in thousands of dollars. For total expenditures see table 877. Data cover expenditures during the specified fiscal year, whether on account of that year or of previous years

| Item                                         | 1910    | 1915    | 1920    | 1925    | 1930    | 1933    | 1934    | 1935    |
|----------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Services in post offices (total).....        | 107,771 | 139,937 | 234,102 | 338,046 | 426,671 | 357,949 | 321,120 | 378,407 |
| Salaries of postmasters.....                 | 27,614  | 30,400  | 40,108  | 47,562  | 52,850  | 44,360  | 39,621  | 44,588  |
| Salaries of clerks, etc.....                 | 38,045  | 53,317  | 102,819 | 163,336 | 201,972 | 108,865 | 161,622 | 173,610 |
| City delivery service.....                   | 31,806  | 42,068  | 83,626  | 95,161  | 127,890 | 108,385 | 98,286  | 113,153 |
| All other expenditures.....                  | 10,405  | 13,552  | 28,049  | 41,987  | 46,860  | 35,909  | 31,611  | 47,156  |
| Railway Mail Service.....                    | 19,389  | 28,408  | 38,711  | 52,905  | 61,888  | 52,097  | 47,451  | 52,251  |
| Rural Delivery Service.....                  | 37,074  | 49,806  | 76,794  | 93,163  | 106,847 | 93,802  | 81,674  | 90,519  |
| Transportation of domestic mail.....         | 61,940  | 76,914  | 99,520  | 142,141 | 176,984 | 156,386 | 140,159 | 134,676 |
| By railroads.....                            | 46,406  | 59,576  | 70,714  | 99,720  | 117,265 | 95,435  | 92,518  | 83,328  |
| By other means.....                          | 12,535  | 17,338  | 28,806  | 42,421  | 59,720  | 60,951  | 47,641  | 41,348  |
| Transportation foreign mail.....             | 3,204   | 3,273   | 5,912   | 9,175   | 24,449  | 35,650  | 36,966  | 36,806  |
| Payment account of invalid money orders..... | 600     | 208     | 284     | 138     | 131     | 201     | 252     | 232     |
| Post Office Department <sup>1</sup> .....    |         |         |         | 3,712   | 4,298   | 3,802   | 3,109   | 3,612   |

<sup>1</sup> Paid out of the General Treasury prior to 1923.

**No. 381.—TRANSPORTATION OF DOMESTIC MAILS**

NOTE.—Amounts, except as indicated, in thousands of dollars. Since Nov. 1, 1916, all service on steam railroads is authorized and paid for under the space basis system; formerly, payments were based on a system of quadronal weighings. Railway mail space units of service vary in size and character and may consist of a car, a section of a car, or a closed pouch carried on a car. Some cars are railway post offices, others are for storage only, over 20 classes of units being distinguished. The "equated unit" represents a calculation of the equivalent of all the different units in terms of a 60-foot car. Annual rate of expenditure (regular authorizations) represents estimated cost for transporting normal mail traffic over regular routes only, based on contracts outstanding at the end of each fiscal year. "Annual cost" includes emergency and side and transfer service. Average rates are based on "regular authorizations"

| Class of service and item                          | Year ended June 30, or as of June 30 of year specified |          |         |         |         |         |         |
|----------------------------------------------------|--------------------------------------------------------|----------|---------|---------|---------|---------|---------|
|                                                    | 1910                                                   | 1915     | 1920    | 1925    | 1930    | 1934    | 1935    |
| <b>Steam railway service:</b>                      |                                                        |          |         |         |         |         |         |
| Length of routes (miles).....                      | 220,730                                                | 233,676  | 232,358 | 230,470 | 220,416 | 201,260 | 199,016 |
| Annual travel (thousand miles).....                |                                                        |          |         |         |         |         |         |
| Regular space units.....                           | 1426,923                                               | 1499,011 | 561,827 | 579,256 | 564,801 | 453,847 | 455,214 |
| Pro-rated to 60-foot car basis.....                |                                                        |          | 218,349 | 228,395 | 228,478 | 190,929 | 192,130 |
| Annual expenditure.....                            |                                                        |          |         |         |         |         |         |
| Regular authorizations.....                        | 49,802                                                 | 58,149   | 83,731  | 88,991  | 103,079 | 86,303  | 86,806  |
| Annual cost.....                                   |                                                        |          | 89,661  | 107,491 | 125,243 | 100,928 | 99,676  |
| Average rate of cost.....                          |                                                        |          |         |         |         |         |         |
| Per mile of length (dollars).....                  | 223.36                                                 | 248.84   | 360.35  | 366.12  | 471.70  | 428.81  | 436.17  |
| Per unit mile traveled (cents).....                | 111.55                                                 | 111.65   | 14.90   | 15.36   | 18.41   | 19.02   | 18.06   |
| Per 60-foot car mile (cents).....                  |                                                        |          | 38.34   | 39.31   | 45.70   | 45.50   | 45.40   |
| <b>Railway mail service—</b>                       |                                                        |          |         |         |         |         |         |
| Number of employees.....                           | 16,795                                                 | 19,599   | 20,407  | 20,693  | 21,185  | 19,285  | 19,138  |
| Expenditure for salary.....                        | 19,047                                                 | 21,205   | 35,644  | 48,913  | 56,577  | 44,319  | 49,239  |
| <b>Electric railway service:</b>                   |                                                        |          |         |         |         |         |         |
| Number of routes.....                              | 539                                                    | 569      | 543     | 288     | 224     | 163     | 135     |
| Length of routes (miles).....                      | 7,198                                                  | 8,183    | 8,043   | 8,042   | 7,012   | 4,824   | 4,469   |
| Annual travel of space units (thousand miles)..... | 11,630                                                 | 113,948  | 11,762  | 10,487  | 9,829   | 6,387   | 6,047   |
| Annual rate of expenditure.....                    | 674                                                    | 819      | 471     | 568     | 571     | 364     | 349     |
| Average cost per unit mile traveled (cents).....   | 5.79                                                   | 5.87     | 4.01    | 5.39    | 5.81    | 5.70    | 5.77    |
| <b>Power boat service:</b>                         |                                                        |          |         |         |         |         |         |
| Number of routes.....                              | 217                                                    | 260      | 265     | 284     | 265     | 219     | 196     |
| Length of routes (miles).....                      | 27,266                                                 | 32,402   | 34,642  | 49,791  | 40,130  | 38,977  | 21,043  |
| Annual travel (thousand miles).....                | 4,826                                                  | 5,685    | 3,992   | 5,298   | 4,808   | 3,864   | 2,860   |
| Annual rate of expenditure.....                    | 705                                                    | 990      | 773     | 1,492   | 1,401   | 1,220   | 1,085   |
| Average cost per mile traveled (cents).....        | 14.61                                                  | 17.42    | 19.35   | 28.16   | 29.15   | 31.58   | 37.95   |
| <b>Air mail service:</b>                           |                                                        |          |         |         |         |         |         |
| Length of routes (miles).....                      |                                                        | 218      | 3,094   | 2,665   | 14,907  | 28,820  | 28,884  |
| Mileage scheduled (thousands).....                 |                                                        | 18       | 654     | 2,160   | 16,228  | 31,224  | 33,770  |
| Miles traveled with mail (thousands).....          |                                                        | 16       | 549     | 2,077   | 14,939  | 29,111  | 31,144  |
| Mail carried <sup>2</sup> (thousand pounds).....   |                                                        | 18       | 527     | 233     | 7,720   | 6,477   | 10,775  |
| Cost of service.....                               |                                                        | 14       | 1,264   | 2,744   | 14,618  | 12,130  | 8,804   |

<sup>1</sup> Annual travel in thousands of miles and average cost per mile traveled. Space basis was not in force.

<sup>2</sup> Exclusive of freight and express service to Alaska or New York Harbor service.

<sup>3</sup> 1918 data.

<sup>4</sup> Advertised mileage, new system.

<sup>5</sup> Beginning 1925, only specially paid air mail was carried.

<sup>6</sup> Subject to revision.

Source of tables 380 and 381: Annual Reports of the Postmaster General.

## No. 382.—CITY AND RURAL FREE DELIVERY AND STAR-ROUTE SERVICE

NOTE.—Free city delivery was inaugurated in 1863; rural free delivery in 1897. Star routes are mail routes between towns which are let on a contract basis. Star route service in Alaska is not included in the accompanying table, data for 1935 being as follows: Number of routes, 54; length, 8,227 miles; annual travel, 243,698 miles; annual rate of expenditure, \$146,191.

| As of June 30— | City free delivery |                    |                                          | Rural free delivery |                          |                             |                             | Star routes                        |                             |
|----------------|--------------------|--------------------|------------------------------------------|---------------------|--------------------------|-----------------------------|-----------------------------|------------------------------------|-----------------------------|
|                | Number of offices  | Number of carriers | Annual cost <sup>1</sup> (1,000 dollars) | Number of routes    | Length of routes (miles) | Annual travel (1,000 miles) | Annual cost (1,000 dollars) | Number of routes (regular service) | Annual cost (1,000 dollars) |
| 1870.....      | 51                 | 1,362              | 1,231                                    | -----               | -----                    | -----                       | -----                       | 7,295                              | 5,050                       |
| 1880.....      | 104                | 2,628              | 12,364                                   | -----               | -----                    | -----                       | -----                       | 9,863                              | 7,321                       |
| 1890.....      | 454                | 9,066              | 17,978                                   | -----               | -----                    | -----                       | -----                       | 15,887                             | 5,321                       |
| 1895.....      | 604                | 12,714             | 12,145                                   | -----               | -----                    | -----                       | -----                       | 20,733                             | 6,754                       |
| 1900.....      | 796                | 15,322             | 14,671                                   | 1,269               | 28,685                   | -----                       | 420                         | 22,834                             | 6,088                       |
| 1906.....      | 1,144              | 21,778             | 20,923                                   | 32,110              | 721,237                  | -----                       | 20,865                      | 17,199                             | 7,842                       |
| 1910.....      | 1,492              | 28,715             | 31,738                                   | 41,079              | 963,068                  | 303,007                     | 36,215                      | 13,425                             | 6,928                       |
| 1915.....      | 1,808              | 32,902             | 39,829                                   | 43,806              | 1,067,674                | 325,305                     | 52,566                      | 11,557                             | 8,713                       |
| 1918.....      | 1,992              | 34,593             | 42,790                                   | 43,453              | 1,127,110                | 344,100                     | 52,196                      | 10,958                             | 8,608                       |
| 1919.....      | 2,018              | 35,024             | 50,118                                   | 43,210              | 1,143,487                | 346,066                     | 55,448                      | 10,773                             | 10,055                      |
| 1920.....      | 2,086              | 36,142             | 62,841                                   | 43,445              | 1,151,832                | 348,627                     | 75,592                      | 10,730                             | 11,106                      |
| 1921.....      | 2,181              | 38,532             | 72,309                                   | 43,752              | 1,163,806                | 352,533                     | 83,034                      | 10,664                             | 12,390                      |
| 1922.....      | 2,226              | 39,485             | 75,226                                   | 44,186              | 1,180,448                | 357,254                     | 84,430                      | 10,715                             | 12,841                      |
| 1923.....      | 2,277              | 40,134             | 77,945                                   | 44,439              | 1,190,534                | 360,256                     | 86,172                      | 10,802                             | 12,610                      |
| 1924.....      | 2,325              | 43,829             | 82,004                                   | 44,760              | 1,205,714                | 363,870                     | 86,765                      | 10,802                             | 12,735                      |
| 1925.....      | 2,401              | 46,261             | 93,567                                   | 45,189              | 1,227,654                | 370,273                     | 102,945                     | 10,906                             | 12,774                      |
| 1926.....      | 2,522              | 48,238             | 105,370                                  | 45,315              | 1,249,978                | 377,046                     | 104,117                     | 10,691                             | 12,955                      |
| 1927.....      | 2,812              | 50,117             | 113,301                                  | 44,730              | 1,270,748                | 383,851                     | 104,447                     | 11,215                             | 12,996                      |
| 1928.....      | 2,899              | 51,293             | 117,490                                  | 44,288              | 1,289,613                | 390,054                     | 106,008                     | 11,472                             | 13,641                      |
| 1929.....      | 2,970              | 52,719             | 122,615                                  | 43,840              | 1,316,420                | 398,444                     | 106,202                     | 11,695                             | 13,969                      |
| 1930.....      | 3,050              | 53,762             | 128,426                                  | 43,278              | 1,334,842                | 404,738                     | 106,378                     | 11,788                             | 14,281                      |
| 1931.....      | 3,098              | 53,387             | 126,179                                  | 42,412              | 1,354,759                | 412,382                     | 106,502                     | 12,089                             | 14,532                      |
| 1932.....      | 3,111              | 52,767             | 125,700                                  | 41,602              | 1,358,030                | 412,084                     | 105,824                     | 12,443                             | 14,765                      |
| 1933.....      | 3,111              | 51,229             | 107,410                                  | 40,013              | 1,365,712                | 414,417                     | 103,693                     | 12,696                             | 14,301                      |
| 1934.....      | 3,111              | 48,275             | 98,947                                   | 37,108              | 1,359,996                | 412,721                     | 92,285                      | 12,237                             | 12,942                      |
| 1935.....      | 3,111              | 49,084             | 111,648                                  | 34,848              | 1,355,078                | 411,361                     | 92,061                      | 11,853                             | 11,867                      |

<sup>1</sup> Data represent audited expenditures; in 1890 and 1890 they include some incidental expense.

## No. 383.—POSTAL SERVICE: VOLUME OF CERTAIN ITEMS OF BUSINESS, YEARS ENDED JUNE 30

NOTE.—For sales of postage stamps and other stamped paper and postage collected on second-class matter see table 378

|                                                       | 1910    | 1915      | 1920      | 1925      | 1930      | 1934    | 1935      |
|-------------------------------------------------------|---------|-----------|-----------|-----------|-----------|---------|-----------|
| Transactions in stamped paper:                        |         |           |           |           |           |         |           |
| Ordinary postage stamps issued (millions).....        | 9,067   | 11,226    | 13,213    | 17,387    | 10,269    | 12,526  | 13,610    |
| Stamped envelopes and wrappers issued (millions)..... | 1,507   | 1,794     | 2,350     | 2,997     | 3,164     | 1,581   | 1,618     |
| Postal cards issued (millions).....                   | 726     | 976       | 986       | 1,497     | 1,643     | 1,590   | 1,754     |
| Pieces of mail carried <sup>1</sup> (millions).....   | 14,850  | -----     | -----     | 25,835    | 27,888    | 20,626  | 22,332    |
| Second-class matter carried:                          |         |           |           |           |           |         |           |
| Free in county (1,000 pounds).....                    | 55,639  | 62,142    | 61,528    | 69,105    | 75,326    | 54,523  | 57,500    |
| Paid at pound rates (1,000 pounds).....               | 817,778 | 1,047,144 | 1,307,227 | 1,348,207 | 1,554,415 | 968,153 | 1,063,389 |
| Foreign mails dispatched by sea:                      |         |           |           |           |           |         |           |
| Letters, post cards (1,000 pounds).....               | 23,142  | 3,401     | 4,608     | 5,640     | 7,103     | 4,432   | 4,602     |
| Other articles (1,000 pounds).....                    | 17,832  | 22,848    | 66,726    | 66,229    | 83,377    | 47,936  | 53,056    |
| Mail registered:                                      |         |           |           |           |           |         |           |
| Domestic, paid (1,000 pieces).....                    | 33,682  | 27,688    | 56,951    | 70,512    | 76,489    | 41,433  | 41,818    |
| International, paid (1,000 pieces).....               | 4,782   | 4,325     | 11,300    | 10,998    | 7,969     | 4,007   | 3,444     |
| Official, free (1,000 pieces).....                    | 3,589   | 5,297     | 8,663     | 8,414     | 8,680     | 5,934   | 10,582    |
| Registry fees (1,000 dollars).....                    | 3,594   | 3,201     | 6,826     | 8,850     | 12,807    | 7,186   | 7,100     |
| Mail insured:                                         |         |           |           |           |           |         |           |
| Domestic, parcel post (1,000 pieces).....             | -----   | 18,012    | 95,385    | 152,078   | 126,421   | 67,561  | 71,960    |
| International (1,000 pieces).....                     | -----   | -----     | -----     | 603       | 640       | 297     | 311       |
| Total fees paid (1,000 dollars).....                  | -----   | 941       | 5,416     | 8,061     | 8,775     | 4,970   | 5,249     |
| Mail sent C. O. D.:                                   |         |           |           |           |           |         |           |
| Total pieces sent (1,000).....                        | -----   | 4,721     | 20,098    | 52,362    | 46,249    | 30,680  | 31,118    |
| Total fees (1,000 dollars).....                       | -----   | 472       | 2,070     | 5,562     | 5,825     | 4,222   | 4,208     |

<sup>1</sup> See note 4, table 377.

<sup>2</sup> Excluding mails carried by domestic contract steamers, or steamers subsidized by foreign countries.

<sup>3</sup> Not including surcharges (effective July 1, 1932) amounting to \$2,860,000 in 1934, and \$3,815,000 in 1935.

Source of tables 382 and 383: Annual Reports of the Postmaster General.

No. 384.—POSTAL SERVICE: BY STATES AND OUTLYING AREAS

| Division and State        | Number of post offices, June 30, 1935 | Mileage of rural free-delivery routes, June 30, 1935 | Gross postal receipts <sup>1</sup>              |                  |                  |                  |                  |                  |
|---------------------------|---------------------------------------|------------------------------------------------------|-------------------------------------------------|------------------|------------------|------------------|------------------|------------------|
|                           |                                       |                                                      | 1920                                            | 1925             | 1930             | 1933             | 1934             | 1935             |
|                           |                                       |                                                      | In thousands of dollars for years ended June 30 |                  |                  |                  |                  |                  |
| Grand total.....          | 45,686                                | 1,855,078                                            | 424,525                                         | 584,755          | 686,351          | 563,356          | 563,327          | 595,661          |
| United States proper..... | 45,295                                | 1,855,023                                            | 423,483                                         | 583,427          | 684,610          | 561,548          | 559,096          | 591,900          |
| New England.....          | 2,486                                 | 42,835                                               | 32,278                                          | 48,498           | 61,375           | 46,362           | 44,868           | 46,111           |
| Maine.....                | 764                                   | 12,036                                               | 2,866                                           | 3,946            | 3,912            | 3,532            | 3,534            | 3,588            |
| New Hampshire.....        | 362                                   | 6,199                                                | 1,504                                           | 2,035            | 2,289            | 2,144            | 2,167            | 2,216            |
| Vermont.....              | 364                                   | 8,024                                                | 1,220                                           | 1,540            | 1,703            | 1,586            | 1,618            | 1,659            |
| Massachusetts.....        | 611                                   | 8,088                                                | 18,913                                          | 25,064           | 29,627           | 28,527           | 25,247           | 25,890           |
| Rhode Island.....         | 85                                    | 1,263                                                | 2,029                                           | 2,702            | 3,297            | 3,047            | 2,929            | 3,018            |
| Connecticut.....          | 310                                   | 7,025                                                | 5,744                                           | 8,211            | 10,550           | 9,526            | 9,383            | 9,740            |
| Middle Atlantic.....      | 5,307                                 | 113,383                                              | 117,897                                         | 161,532          | 194,927          | 163,728          | 167,963          | 164,613          |
| New York.....             | 2,601                                 | 48,027                                               | 74,772                                          | 102,614          | 125,072          | 108,765          | 99,239           | 102,748          |
| New Jersey.....           | 633                                   | 8,870                                                | 9,512                                           | 14,655           | 19,798           | 18,395           | 17,723           | 18,553           |
| Pennsylvania.....         | 2,613                                 | 50,107                                               | 33,613                                          | 44,363           | 50,087           | 41,563           | 41,021           | 43,312           |
| East North Central.....   | 5,971                                 | 301,308                                              | 107,343                                         | 151,924          | 175,748          | 131,649          | 133,395          | 143,663          |
| Ohio.....                 | 1,421                                 | 69,689                                               | 24,800                                          | 35,417           | 42,088           | 31,446           | 31,649           | 34,046           |
| Indiana.....              | 958                                   | 58,462                                               | 9,226                                           | 13,774           | 15,613           | 12,491           | 12,569           | 13,388           |
| Illinois.....             | 1,523                                 | 71,985                                               | 61,357                                          | 70,753           | 78,767           | 56,962           | 58,015           | 62,016           |
| Michigan.....             | 1,085                                 | 52,633                                               | 13,199                                          | 18,978           | 24,133           | 18,196           | 18,778           | 20,048           |
| Wisconsin.....            | 984                                   | 40,680                                               | 8,761                                           | 13,002           | 15,167           | 12,454           | 12,394           | 13,265           |
| West North Central.....   | 6,902                                 | 328,851                                              | 53,971                                          | 73,365           | 80,641           | 63,838           | 63,458           | 66,998           |
| Minnesota.....            | 1,128                                 | 53,606                                               | 10,847                                          | 15,836           | 17,014           | 14,254           | 14,212           | 15,089           |
| Iowa.....                 | 1,172                                 | 63,619                                               | 9,392                                           | 11,720           | 13,504           | 10,204           | 10,320           | 10,932           |
| Missouri.....             | 1,624                                 | 60,262                                               | 18,024                                          | 27,230           | 28,988           | 22,406           | 21,789           | 22,748           |
| North Dakota.....         | 654                                   | 20,157                                               | 2,062                                           | 2,800            | 2,721            | 2,351            | 2,475            | 2,652            |
| South Dakota.....         | 598                                   | 25,090                                               | 2,065                                           | 2,639            | 2,750            | 2,214            | 2,263            | 2,433            |
| Nebraska.....             | 747                                   | 37,142                                               | 5,504                                           | 6,683            | 7,279            | 6,049            | 5,984            | 6,945            |
| Kansas.....               | 979                                   | 59,979                                               | 5,478                                           | 7,017            | 7,785            | 6,458            | 6,453            | 6,946            |
| South Atlantic.....       | 7,890                                 | 188,382                                              | 34,415                                          | 46,072           | 52,293           | 46,471           | 46,836           | 51,213           |
| Delaware.....             | 76                                    | 3,037                                                | 811                                             | 999              | 1,233            | 1,202            | 1,153            | 1,251            |
| Maryland.....             | 625                                   | 11,314                                               | 5,292                                           | 7,101            | 8,519            | 7,400            | 7,204            | 7,706            |
| District of Columbia..... | 1                                     | 203                                                  | 3,536                                           | 4,771            | 6,047            | 6,249            | 5,632            | 6,307            |
| Virginia.....             | 1,068                                 | 20,343                                               | 5,621                                           | 7,236            | 7,985            | 7,276            | 7,211            | 7,688            |
| West Virginia.....        | 1,681                                 | 11,402                                               | 3,154                                           | 4,395            | 4,611            | 3,878            | 3,999            | 4,274            |
| North Carolina.....       | 1,270                                 | 40,781                                               | 4,138                                           | 6,814            | 6,830            | 6,252            | 6,670            | 7,475            |
| South Carolina.....       | 545                                   | 25,495                                               | 2,289                                           | 2,630            | 2,174            | 1,763            | 1,862            | 2,037            |
| Georgia.....              | 908                                   | 53,430                                               | 0,395                                           | 7,734            | 9,220            | 7,405            | 7,812            | 8,452            |
| Florida.....              | 747                                   | 13,368                                               | 3,179                                           | 6,492            | 5,674            | 5,046            | 5,293            | 6,023            |
| East South Central.....   | 5,110                                 | 141,650                                              | 15,546                                          | 20,678           | 23,736           | 18,342           | 18,601           | 21,330           |
| Kentucky.....             | 2,426                                 | 25,066                                               | 4,392                                           | 6,283            | 6,827            | 5,720            | 5,786            | 6,161            |
| Tennessee.....            | 916                                   | 44,068                                               | 5,289                                           | 7,107            | 8,546            | 6,379            | 7,056            | 7,076            |
| Alabama.....              | 978                                   | 37,641                                               | 3,418                                           | 4,885            | 5,108            | 3,799            | 4,127            | 4,524            |
| Mississippi.....          | 790                                   | 34,005                                               | 2,447                                           | 2,801            | 3,255            | 2,444            | 2,652            | 2,960            |
| West South Central.....   | 5,132                                 | 166,463                                              | 24,878                                          | 30,648           | 37,240           | 30,332           | 31,106           | 33,206           |
| Arkansas.....             | 1,202                                 | 25,272                                               | 2,928                                           | 3,685            | 3,828            | 2,849            | 3,017            | 3,265            |
| Louisiana.....            | 824                                   | 14,344                                               | 4,015                                           | 5,055            | 5,486            | 4,580            | 4,710            | 5,017            |
| Oklahoma.....             | 954                                   | 43,163                                               | 4,730                                           | 5,839            | 7,272            | 5,647            | 5,835            | 6,217            |
| Texas.....                | 2,142                                 | 73,674                                               | 13,005                                          | 16,117           | 20,654           | 17,156           | 17,544           | 18,707           |
| Mountain.....             | 8,477                                 | 36,285                                               | 12,178                                          | 15,004           | 17,278           | 14,409           | 14,479           | 15,914           |
| Montana.....              | 717                                   | 6,669                                                | 2,016                                           | 2,180            | 2,446            | 2,125            | 2,101            | 2,422            |
| Idaho.....                | 450                                   | 6,768                                                | 1,397                                           | 1,324            | 1,513            | 1,239            | 1,341            | 1,488            |
| Wyoming.....              | 351                                   | 1,210                                                | 712                                             | 953              | 998              | 884              | 894              | 992              |
| Colorado.....             | 671                                   | 15,249                                               | 4,398                                           | 5,875            | 6,819            | 5,539            | 5,433            | 5,929            |
| New Mexico.....           | 519                                   | 2,805                                                | 679                                             | 900              | 1,089            | 1,005            | 1,037            | 1,162            |
| Arizona.....              | 275                                   | 1,550                                                | 943                                             | 1,137            | 1,532            | 1,298            | 1,295            | 1,456            |
| Utah.....                 | 329                                   | 1,874                                                | 1,647                                           | 2,179            | 2,347            | 1,832            | 1,812            | 1,928            |
| Nevada.....               | 156                                   | 160                                                  | 386                                             | 453              | 537              | 487              | 486              | 537              |
| Pacific.....              | 3,030                                 | 48,078                                               | 25,158                                          | 40,812           | 51,378           | 46,019           | 44,344           | 48,823           |
| Washington.....           | 794                                   | 15,093                                               | 5,636                                           | 7,494            | 8,719            | 7,213            | 7,344            | 8,026            |
| Oregon.....               | 723                                   | 10,118                                               | 3,324                                           | 4,809            | 5,436            | 4,654            | 4,570            | 5,004            |
| California.....           | 1,513                                 | 20,865                                               | 16,198                                          | 28,509           | 37,223           | 34,222           | 32,430           | 35,793           |
| Outlying offices.....     | 391                                   | 55                                                   | 1,089                                           | 1,328            | 1,740            | 1,808            | 2,232            | 3,860            |
| Alaska.....               | 104                                   | 82                                                   | 71                                              | 104              | 94               | 90               | 98               | 98               |
| Guam.....                 | 1                                     | 2                                                    | 2                                               | 3                | 2                | 2                | 3                | 3                |
| Hawaii.....               | 94                                    | 66                                                   | 352                                             | 611              | 774              | 838              | 775              | 834              |
| Puerto Rico.....          | 95                                    | 406                                                  | 522                                             | 527              | 558              | 539              | 539              | 568              |
| Samoa (Tutuila).....      | 2                                     | 2                                                    | 2                                               | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Virgin Islands.....       | 5                                     | 17                                                   | 11                                              | 15               | 13               | 14               | 17               | 17               |
| Philatelic agency.....    |                                       |                                                      | 109                                             | 317              | 303              | 812              | 2,340            |                  |

<sup>1</sup> Revenues from money-order business, postal savings, and certain miscellaneous items not included.

<sup>2</sup> Includes receipts from agencies in China, France, and Siberia.

<sup>3</sup> Less than \$500.

Source: Annual Reports of the Postmaster General.

# 17.—TELEPHONE, TELEGRAPH, CABLE, AND RADIOTELEGRAPH SYSTEMS

[Data cover public telephone systems and land (wire) commercial telegraph systems operated in continental United States and commercial cable and radiotelegraph systems operated by companies incorporated in United States]

## No. 385.—TELEPHONE SYSTEMS: EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES AND WAGES, REVENUE, AND INVESTMENT

NOTE.—The more detailed data were collected only for companies reporting an annual income of \$5,000 or more previous to 1922 and \$10,000 or more in 1922, 1927, and 1932

[All money figures in thousands of dollars]

|                                                                                                                       | 1907    | 1912    | 1917      | 1922      | 1927      | 1932      |
|-----------------------------------------------------------------------------------------------------------------------|---------|---------|-----------|-----------|-----------|-----------|
| <b>ALL SYSTEMS</b>                                                                                                    |         |         |           |           |           |           |
| Number of systems and lines.....                                                                                      | 22,971  | 32,233  | 53,234    | 57,253    | 60,148    | 44,828    |
| Miles of wire (thousands).....                                                                                        | 12,999  | 20,245  | 28,627    | 37,266    | 63,836    | 87,678    |
| Number of telephones (thousands).....                                                                                 | 6,119   | 8,730   | 11,717    | 14,347    | 18,523    | 17,424    |
| Number of calls originating with systems reporting (millions).....                                                    | (1)     | (1)     | 21,846    | 24,648    | 31,614    | 30,048    |
| Number of employees.....                                                                                              | (1)     | (1)     | 262,820   | 312,015   | 375,272   | 334,085   |
| Salaries and wages.....                                                                                               | (1)     | (1)     | 175,870   | 352,926   | 480,567   | 458,117   |
| Revenue, operating.....                                                                                               | (1)     | (1)     | 352,830   | 665,568   | 1,023,574 | 1,061,530 |
| Investment in plant and equipment.....                                                                                | (1)     | (1)     | 1,492,829 | 2,205,183 | 3,548,875 | 4,791,903 |
| <b>SYSTEMS REPORTING ANNUAL INCOME OF \$5,000 OR MORE, 1907-1917, AND THOSE REPORTING \$10,000 OR MORE, 1922-1932</b> |         |         |           |           |           |           |
| Number of systems and lines.....                                                                                      | 1,636   | 1,916   | 2,200     | 1,323     | 1,368     | 918       |
| Miles of wire, total (thousands).....                                                                                 | 11,932  | 19,019  | 27,298    | 35,503    | 62,277    | 86,484    |
| Underground.....                                                                                                      | (2)     | 9,105   | 14,849    | 21,440    | 39,803    | 55,236    |
| Overhead.....                                                                                                         | (2)     | 9,854   | 12,449    | 14,063    | 22,394    | 31,248    |
| Exchange lines.....                                                                                                   | (3)     | 16,336  | 23,723    | 30,907    | 54,281    | (4)       |
| Toll lines.....                                                                                                       | (3)     | 2,683   | 3,575     | 4,596     | 7,990     | (4)       |
| Number of telephones (thousands).....                                                                                 | 4,907   | 7,327   | 9,954     | 12,295    | 16,713    | 16,284    |
| Number of central offices.....                                                                                        | 10,613  | 11,515  | 12,204    | 10,606    | 11,485    | 12,724    |
| Number of private-branch exchanges.....                                                                               | 28,276  | 52,651  | 80,914    | 102,622   | (1)       | (2)       |
| Number of calls originating with systems reporting (millions).....                                                    | 10,400  | 13,736  | 19,809    | 21,901    | 26,186    | 29,100    |
| Local exchange.....                                                                                                   | 10,161  | 13,395  | 19,366    | 21,235    | 25,109    | (1)       |
| Long distance or toll.....                                                                                            | 240     | 341     | 443       | 666       | 1,087     | (1)       |
| Number of employees.....                                                                                              | 131,670 | 183,361 | 244,490   | 290,333   | 356,739   | 320,763   |
| Salaries and wages.....                                                                                               | 65,009  | 96,041  | 169,655   | 341,538   | 475,840   | 451,476   |
| <b>Operators (included above):</b>                                                                                    |         |         |           |           |           |           |
| Number.....                                                                                                           | 72,518  | 96,332  | 138,971   | 159,558   | (1)       | (1)       |
| Male.....                                                                                                             | 2,457   | 1,972   | 1,679     | 832       | (1)       | (1)       |
| Female.....                                                                                                           | 70,061  | 94,360  | 137,292   | 158,626   | (1)       | (1)       |
| Wages.....                                                                                                            | 22,637  | 32,474  | 66,137    | 138,897   | (1)       | (1)       |
| <b>BELL SYSTEM (INCLUDED ABOVE)</b>                                                                                   |         |         |           |           |           |           |
| Miles of wire (thousands).....                                                                                        | 8,947   | 15,133  | 23,134    | 30,614    | 56,619    | 80,586    |
| Number of telephones (thousands).....                                                                                 | 3,132   | 5,087   | 7,327     | 9,515     | 13,726    | 13,793    |
| Number of originating calls (millions).....                                                                           | 6,401   | 9,133   | 14,598    | 16,567    | 23,693    | 25,061    |
| <b>SYSTEMS REPORTING ANNUAL INCOME OF LESS THAN \$5,000, 1907-1917, AND LESS THAN \$10,000, 1922-1932</b>             |         |         |           |           |           |           |
| Miles of wire (thousands).....                                                                                        | 1,077   | 1,229   | 1,529     | 1,768     | 1,559     | 1,193     |
| Number of telephones (thousands).....                                                                                 | 1,212   | 1,408   | 1,763     | 2,052     | 1,810     | 1,140     |
| Number of originating calls (millions).....                                                                           | (1)     | (1)     | 2,087     | 2,746     | 2,418     | 948       |

<sup>1</sup> Not reported except for the larger systems and lines.

<sup>2</sup> Including assessments of mutual companies.

<sup>3</sup> Comparable data not available.

<sup>4</sup> Not called for on schedule.

Source: Bureau of the Census, Department of Commerce.

**No. 386.—TELEPHONE SYSTEMS: MILES OF WIRE, NUMBER OF TELEPHONES, AND NUMBER OF ORIGINATING CALLS, ALL SYSTEMS AND LINES, BY STATES**

| Division and State              | Miles of wire     |                   | Number of telephones |                   |                   |                   | Tele-<br>phones<br>per<br>1,000<br>popu-<br>lation,<br>1932 | Number of<br>originating<br>calls<br>(millions) |               |
|---------------------------------|-------------------|-------------------|----------------------|-------------------|-------------------|-------------------|-------------------------------------------------------------|-------------------------------------------------|---------------|
|                                 | 1927              | 1932              | 1912                 | 1922              | 1927              | 1932              |                                                             | 1927                                            | 1932          |
| <b>United States</b> .....      | <b>63,836,182</b> | <b>87,877,586</b> | <b>8,728,592</b>     | <b>14,347,395</b> | <b>18,522,787</b> | <b>17,424,406</b> | <b>139</b>                                                  | <b>31,614</b>                                   | <b>30,048</b> |
| <b>New England</b> .....        | <b>5,539,569</b>  | <b>7,882,588</b>  | <b>625,488</b>       | <b>1,233,497</b>  | <b>1,548,931</b>  | <b>1,513,939</b>  | <b>183</b>                                                  | <b>2,328</b>                                    | <b>2,458</b>  |
| Maine.....                      | 326,120           | 517,144           | 88,914               | 113,725           | 131,367           | 124,372           | 155                                                         | 214                                             | 205           |
| New Hampshire.....              | 211,448           | 288,990           | 40,017               | 68,874            | 83,066            | 79,806            | 170                                                         | 117                                             | 127           |
| Vermont.....                    | 105,645           | 140,129           | 40,142               | 54,530            | 60,793            | 58,133            | 161                                                         | 84                                              | 86            |
| Massachusetts.....              | 3,165,833         | 4,096,247         | 329,992              | 687,700           | 867,888           | 832,740           | 193                                                         | 1,334                                           | 1,368         |
| Rhode Island.....               | 429,451           | 595,303           | 41,664               | 92,766            | 114,944           | 110,671           | 168                                                         | 117                                             | 176           |
| Connecticut.....                | 1,348,572         | 2,082,775         | 104,759              | 205,902           | 290,873           | 308,517           | 138                                                         | 462                                             | 496           |
| <b>Middle Atlantic</b> .....    | <b>19,998,639</b> | <b>27,899,025</b> | <b>1,782,145</b>     | <b>3,249,710</b>  | <b>4,588,211</b>  | <b>4,613,733</b>  | <b>172</b>                                                  | <b>6,908</b>                                    | <b>6,905</b>  |
| New York.....                   | 11,592,418        | 16,385,557        | 970,449              | 1,780,563         | 2,595,537         | 2,628,537         | 204                                                         | 3,935                                           | 4,000         |
| New Jersey.....                 | 3,012,459         | 4,382,769         | 185,632              | 383,496           | 599,336           | 642,830           | 154                                                         | 774                                             | 838           |
| Pennsylvania.....               | 5,387,812         | 7,630,699         | 626,064              | 1,085,651         | 1,363,338         | 1,342,366         | 138                                                         | 2,199                                           | 2,067         |
| <b>East North Central</b> ..... | <b>15,223,410</b> | <b>21,574,370</b> | <b>2,378,267</b>     | <b>3,893,101</b>  | <b>4,589,751</b>  | <b>4,034,831</b>  | <b>156</b>                                                  | <b>7,538</b>                                    | <b>6,504</b>  |
| Ohio.....                       | 3,658,505         | 5,545,857         | 631,206              | 962,837           | 1,122,036         | 978,394           | 144                                                         | 1,958                                           | 1,712         |
| Indiana.....                    | 1,558,005         | 2,223,608         | 364,550              | 508,726           | 552,249           | 444,996           | 136                                                         | 1,061                                           | 863           |
| Illinois.....                   | 5,688,146         | 7,696,337         | 807,253              | 1,283,449         | 1,686,090         | 1,507,222         | 193                                                         | 2,571                                           | 2,206         |
| Michigan.....                   | 2,967,217         | 4,263,778         | 335,074              | 508,140           | 711,315           | 621,958           | 124                                                         | 1,140                                           | 982           |
| Wisconsin.....                  | 1,351,577         | 1,941,790         | 250,174              | 429,949           | 518,461           | 482,361           | 162                                                         | 808                                             | 741           |
| <b>West North Central</b> ..... | <b>6,044,901</b>  | <b>7,641,354</b>  | <b>1,621,523</b>     | <b>2,315,996</b>  | <b>3,594,081</b>  | <b>2,260,985</b>  | <b>169</b>                                                  | <b>4,577</b>                                    | <b>3,960</b>  |
| Minnesota.....                  | 1,422,716         | 1,610,192         | 272,859              | 424,777           | 487,611           | 443,682           | 171                                                         | 931                                             | 840           |
| Iowa.....                       | 960,229           | 1,310,798         | 380,294              | 533,347           | 565,533           | 484,879           | 199                                                         | 916                                             | 775           |
| Missouri.....                   | 1,688,764         | 2,620,741         | 404,150              | 550,980           | 657,946           | 592,153           | 162                                                         | 1,269                                           | 1,157         |
| North Dakota.....               | 140,923           | 161,225           | 51,241               | 77,586            | 86,198            | 59,241            | 101                                                         | 129                                             | 143           |
| South Dakota.....               | 154,601           | 177,821           | 65,858               | 101,555           | 107,641           | 88,798            | 127                                                         | 171                                             | 119           |
| Nebraska.....                   | 606,425           | 736,632           | 201,689              | 273,500           | 295,274           | 247,551           | 178                                                         | 524                                             | 367           |
| Kansas.....                     | 771,246           | 1,024,245         | 245,932              | 354,251           | 393,878           | 334,681           | 176                                                         | 637                                             | 550           |
| <b>South Atlantic</b> .....     | <b>4,244,852</b>  | <b>5,760,130</b>  | <b>581,402</b>       | <b>937,324</b>    | <b>1,262,232</b>  | <b>1,250,882</b>  | <b>78</b>                                                   | <b>2,426</b>                                    | <b>2,430</b>  |
| Delaware.....                   | 118,539           | 210,300           | 15,842               | 23,534            | 32,901            | 32,557            | 135                                                         | 53                                              | 65            |
| Maryland.....                   | 936,353           | 1,076,460         | 84,801               | 152,790           | 197,135           | 212,014           | 128                                                         | 204                                             | 317           |
| District of Colum-<br>bia.....  | 540,152           | 675,044           | 46,603               | 102,231           | 144,985           | 180,785           | 369                                                         | 186                                             | 235           |
| Virginia.....                   | 616,286           | 878,681           | 78,652               | 155,490           | 183,698           | 193,958           | 81                                                          | 382                                             | 420           |
| West Virginia.....              | 349,899           | 445,781           | 80,251               | 118,081           | 146,677           | 134,150           | 76                                                          | 279                                             | 243           |
| North Carolina.....             | 392,455           | 706,829           | 65,152               | 116,129           | 160,507           | 143,710           | 44                                                          | 379                                             | 321           |
| South Carolina.....             | 171,678           | 290,599           | 33,239               | 54,078            | 64,618            | 57,215            | 33                                                          | 145                                             | 148           |
| Georgia.....                    | 538,751           | 772,176           | 96,439               | 136,334           | 173,410           | 151,204           | 52                                                          | 437                                             | 415           |
| Florida.....                    | 581,739           | 706,360           | 32,426               | 79,657            | 162,298           | 142,251           | 92                                                          | 270                                             | 273           |
| <b>East South Central</b> ..... | <b>2,001,125</b>  | <b>2,587,978</b>  | <b>337,292</b>       | <b>621,180</b>    | <b>844,270</b>    | <b>547,440</b>    | <b>55</b>                                                   | <b>1,537</b>                                    | <b>1,401</b>  |
| Kentucky.....                   | 722,120           | 863,293           | 130,751              | 201,545           | 222,735           | 191,236           | 72                                                          | 435                                             | 407           |
| Tennessee.....                  | 642,096           | 850,951           | 104,353              | 171,413           | 220,559           | 192,983           | 73                                                          | 559                                             | 539           |
| Alabama.....                    | 421,927           | 580,087           | 56,292               | 84,401            | 121,115           | 100,813           | 37                                                          | 313                                             | 282           |
| Mississippi.....                | 214,982           | 293,647           | 45,896               | 63,761            | 79,861            | 62,408            | 31                                                          | 180                                             | 173           |
| <b>West South Central</b> ..... | <b>3,619,976</b>  | <b>5,028,077</b>  | <b>543,102</b>       | <b>872,157</b>    | <b>1,149,357</b>  | <b>1,002,389</b>  | <b>81</b>                                                   | <b>2,649</b>                                    | <b>2,591</b>  |
| Arkansas.....                   | 318,888           | 360,944           | 68,303               | 99,490            | 118,178           | 86,676            | 46                                                          | 239                                             | 198           |
| Louisiana.....                  | 560,262           | 646,307           | 46,602               | 87,354            | 137,616           | 132,735           | 62                                                          | 385                                             | 362           |
| Oklahoma.....                   | 665,102           | 1,174,051         | 116,217              | 222,889           | 278,912           | 241,453           | 99                                                          | 581                                             | 571           |
| Texas.....                      | 2,085,744         | 2,793,715         | 311,980              | 462,424           | 614,657           | 541,525           | 90                                                          | 1,444                                           | 1,435         |
| <b>Mountain</b> .....           | <b>1,198,550</b>  | <b>1,640,855</b>  | <b>228,652</b>       | <b>385,730</b>    | <b>456,198</b>    | <b>448,492</b>    | <b>119</b>                                                  | <b>780</b>                                      | <b>802</b>    |
| Montana.....                    | 135,535           | 181,455           | 35,537               | 55,115            | 59,238            | 55,361            | 103                                                         | 81                                              | 93            |
| Idaho.....                      | 111,940           | 134,066           | 20,454               | 48,745            | 54,822            | 49,201            | 110                                                         | 128                                             | 93            |
| Wyoming.....                    | 60,622            | 85,233            | 9,646                | 24,949            | 28,049            | 28,340            | 123                                                         | 39                                              | 49            |
| Colorado.....                   | 559,873           | 717,589           | 90,897               | 150,852           | 183,250           | 179,063           | 171                                                         | 313                                             | 300           |
| New Mexico.....                 | 48,765            | 84,722            | 10,340               | 18,642            | 21,680            | 23,100            | 53                                                          | 35                                              | 43            |
| Arizona.....                    | 80,305            | 153,201           | 11,224               | 24,353            | 33,194            | 36,064            | 80                                                          | 37                                              | 68            |
| Utah.....                       | 167,393           | 231,113           | 34,064               | 53,281            | 68,106            | 60,082            | 116                                                         | 127                                             | 130           |
| Nevada.....                     | 26,116            | 48,366            | 5,684                | 10,313            | 12,959            | 15,275            | 164                                                         | 20                                              | 23            |
| <b>Pacific</b> .....            | <b>5,924,110</b>  | <b>8,363,209</b>  | <b>683,731</b>       | <b>1,148,789</b>  | <b>1,689,746</b>  | <b>1,753,615</b>  | <b>205</b>                                                  | <b>2,871</b>                                    | <b>2,997</b>  |
| Washington.....                 | 739,138           | 1,023,949         | 150,016              | 238,275           | 299,109           | 276,530           | 174                                                         | 554                                             | 560           |
| Oregon.....                     | 490,820           | 599,201           | 99,713               | 146,847           | 185,171           | 166,639           | 170                                                         | 331                                             | 307           |
| California.....                 | 4,694,152         | 6,734,059         | 434,002              | 763,638           | 1,205,466         | 1,310,440         | 219                                                         | 1,998                                           | 2,130         |

Source: Bureau of the Census, Department of Commerce.

**No. 387.—TELEPHONE SYSTEMS: TOTAL NUMBER OF TELEPHONES, ALL SYSTEMS, AND NUMBER OF TELEPHONES AND MILES OF WIRE IN THE BELL SYSTEM**

| Dec. 31—  | Total tele-<br>phones <sup>1</sup> | Bell System                  |                   | Dec. 31—  | Total tele-<br>phones <sup>1</sup> | Bell System                  |                  |
|-----------|------------------------------------|------------------------------|-------------------|-----------|------------------------------------|------------------------------|------------------|
|           |                                    | Tele-<br>phones <sup>2</sup> | Miles of<br>wires |           |                                    | Tele-<br>phones <sup>2</sup> | Miles of<br>wire |
| 1895..... | 339,500                            | 309,502                      | 675,415           | 1925..... | 16,935,900                         | 16,720,224                   | 45,473,540       |
| 1900..... | 1,355,900                          | 855,911                      | 1,961,801         | 1926..... | 17,746,000                         | 17,574,252                   | 50,861,150       |
| 1905..... | 4,126,900                          | 2,530,924                    | 5,779,918         | 1927..... | <sup>3</sup> 18,522,787            | 18,365,486                   | 56,822,895       |
| 1910..... | 7,635,400                          | 5,832,719                    | 11,642,212        | 1928..... | 19,341,000                         | 19,197,035                   | 62,162,744       |
| 1915..... | 10,523,500                         | 9,172,495                    | 18,505,545        | 1929..... | 20,068,000                         | 19,968,000                   | 66,519,425       |
| 1918..... | 12,077,600                         | 11,065,999                   | 23,346,132        | 1930..... | 20,201,000                         | 20,098,069                   | 78,248,265       |
| 1919..... | 12,698,500                         | 11,795,747                   | 24,162,999        | 1931..... | 19,690,000                         | 19,596,000                   | 79,239,000       |
| 1920..... | 13,329,400                         | 12,601,935                   | 25,377,404        | 1932..... | <sup>3</sup> 17,424,406            | 17,341,000                   | 80,461,000       |
| 1921..... | 13,876,200                         | 13,330,219                   | 27,819,321        | 1933..... | 16,711,000                         | 16,635,000                   | 80,287,000       |
| 1922..... | <sup>4</sup> 14,347,395            | 14,060,565                   | 30,816,522        | 1934..... | <sup>4</sup> 16,899,000            | <sup>4</sup> 16,797,000      | 80,118,000       |
| 1923..... | 15,369,500                         | 15,000,101                   | 34,523,842        | 1935..... | <sup>4</sup> 17,424,000            | <sup>4</sup> 17,354,000      | 80,458,000       |
| 1924..... | 16,072,500                         | 15,906,550                   | 39,898,819        |           |                                    |                              |                  |

<sup>1</sup>Partly estimated, except as indicated.

<sup>2</sup>Bell-owned and Bell-connecting (owned by other companies).

<sup>3</sup>From Bureau of the Census.

<sup>4</sup>Excludes 80,000 Bell private-line telephones in 1934 and 79,000 in 1935. Prior to 1934 private-line telephones were included.

**No. 388.—AMERICAN TELEPHONE & TELEGRAPH CO. AND ASSOCIATED OPERATING COMPANIES (BELL TELEPHONE SYSTEM): SUMMARY OF STATISTICS**

|                                                                                                | 1910    | 1915    | 1920      | 1925      | 1930      | 1934                   | 1935                   |
|------------------------------------------------------------------------------------------------|---------|---------|-----------|-----------|-----------|------------------------|------------------------|
| Operating statistics and employees as of Dec. 31 (in thousands, except as indicated)           |         |         |           |           |           |                        |                        |
| Exchange messages, daily average.....                                                          | 21,681  | 25,184  | 31,835    | 46,702    | 62,365    | 56,486                 | 58,809                 |
| Toll messages, daily average.....                                                              | 603     | 819     | 1,327     | 2,098     | 2,933     | 2,176                  | 2,276                  |
| Central offices (number).....                                                                  | 4,933   | 5,300   | 5,702     | 6,017     | 6,535     | 6,769                  | 6,787                  |
| Miles of wire, total.....                                                                      | 11,642  | 18,506  | 25,377    | 45,474    | 76,248    | 80,118                 | 80,458                 |
| Aerial wire.....                                                                               | 5,625   | 7,932   | 9,630     | 14,991    | 26,023    | 27,656                 | 27,776                 |
| Underground wire.....                                                                          | 6,017   | 10,573  | 15,748    | 30,483    | 50,225    | 52,593                 | 52,682                 |
| Exchange wire.....                                                                             | 9,678   | 16,052  | 21,604    | 39,841    | 62,867    | 64,946                 | 65,121                 |
| Toll wire.....                                                                                 | 1,964   | 2,453   | 3,773     | 5,633     | 13,381    | 15,172                 | 15,337                 |
| Telephones, total.....                                                                         | 5,833   | 9,172   | 12,602    | 16,720    | 20,098    | 16,797                 | 17,354                 |
| Bell-owned <sup>1</sup> .....                                                                  | 3,933   | 5,968   | 8,354     | 12,035    | 15,682    | 13,378                 | 13,845                 |
| Bell-connecting (owned by other companies).....                                                | 1,850   | 3,204   | 4,268     | 4,685     | 4,416     | 3,419                  | 3,509                  |
| Employees (number).....                                                                        | 120,311 | 156,294 | 231,316   | 293,095   | 324,343   | 248,967                | 244,599                |
| Telephone plant, capital stock, and funded debt Dec. 31 (in thousands of dollars) <sup>2</sup> |         |         |           |           |           |                        |                        |
| Telephone plant.....                                                                           | 611,000 | 880,069 | 1,363,826 | 2,524,906 | 4,043,422 | <sup>3</sup> 4,248,186 | <sup>3</sup> 4,266,584 |
| Capital stock <sup>4</sup> .....                                                               | 344,645 | 440,711 | 511,493   | 1,144,619 | 2,155,053 | 2,106,187              | 2,100,477              |
| Funded debt.....                                                                               | 224,792 | 353,286 | 585,794   | 890,337   | 1,115,592 | 1,038,325              | 1,078,375              |

<sup>1</sup> Includes private-line telephones prior to 1934; excludes 80,000 private-line telephones in 1934 and 79,000 in 1935.

<sup>2</sup> All duplications between companies excluded.

<sup>3</sup> Includes organization and franchise costs (\$1,963,000 in 1934 and \$1,016,000 in 1935).

<sup>4</sup> Includes capital stock installments.

Source of tables 387 and 388: American Telephone & Telegraph Co.

# No. 389.—TELEPHONE SYSTEMS: REPORTS TO THE INTERSTATE COMMERCE COMMISSION AND TO THE FEDERAL COMMUNICATIONS COMMISSION

NOTE.—Companies engaged in interstate business are required to report both as regards interstate and intrastate business. Prior to 1923 the classification of companies based on the amount of annual operating revenues was as follows: Class A, over \$250,000; class B, \$50,000 to \$250,000; class C, \$10,000 to \$50,000. Effective Jan. 1, 1923, the classification was amended as follows: Class A, over \$250,000; class B, \$100,000 to \$250,000; class C, \$50,000 to \$100,000; class D, \$50,000 or less. A further change was made effective Jan. 1, 1933, as follows: Class A, over \$100,000; class B, \$50,000 to \$100,000; class C, \$50,000 or less. The companies below \$50,000 are not covered in the table.

| Year                    | Miles of wire (thousands) | Number of company telephones (thousands) | Employees         |                    | Operating revenues <sup>1</sup> | Operating expenses <sup>1</sup> | Taxes            | Net operating income <sup>1</sup> | Investment                       |                        |
|-------------------------|---------------------------|------------------------------------------|-------------------|--------------------|---------------------------------|---------------------------------|------------------|-----------------------------------|----------------------------------|------------------------|
|                         |                           |                                          | Number on Dec. 31 | Total compensation |                                 |                                 |                  |                                   | Plant and equipment <sup>1</sup> | All other <sup>1</sup> |
|                         |                           |                                          |                   |                    |                                 |                                 |                  |                                   |                                  |                        |
| Thousands of dollars    |                           |                                          |                   |                    |                                 |                                 |                  |                                   |                                  |                        |
| All companies:          |                           |                                          |                   |                    |                                 |                                 |                  |                                   |                                  |                        |
| 1916.....               | 23, 699                   | 8, 963                                   | 210, 874          | ( <sup>2</sup> )   | 314, 801                        | 200, 233                        | 17, 123          | ( <sup>2</sup> )                  | 1, 217, 756                      | ( <sup>2</sup> )       |
| 1920.....               | 29, 640                   | -----                                    | ( <sup>2</sup> )  | ( <sup>2</sup> )   | 530, 349                        | ( <sup>2</sup> )                | ( <sup>2</sup> ) | 88, 024                           | 1, 704, 304                      | 1, 122, 289            |
| 1925.....               | 49, 773                   | 13, 875                                  | ( <sup>2</sup> )  | ( <sup>2</sup> )   | 818, 218                        | 556, 993                        | 63, 632          | 193, 599                          | 2, 790, 056                      | 1, 633, 124            |
| 1929.....               | 75, 729                   | 17, 697                                  | 402, 255          | ( <sup>2</sup> )   | 1, 172, 863                     | 791, 612                        | 90, 050          | 284, 968                          | 4, 070, 131                      | 2, 337, 207            |
| 1930.....               | 82, 783                   | 17, 904                                  | 384, 732          | ( <sup>2</sup> )   | 1, 209, 995                     | 831, 500                        | 92, 855          | 277, 135                          | 4, 445, 139                      | 2, 658, 091            |
| 1931.....               | 86, 670                   | 17, 573                                  | 332, 153          | ( <sup>2</sup> )   | 1, 170, 660                     | 795, 378                        | 97, 244          | 279, 188                          | 4, 610, 076                      | 2, 830, 713            |
| 1932.....               | 88, 303                   | 15, 681                                  | 300, 455          | ( <sup>2</sup> )   | 1, 049, 757                     | 715, 675                        | 92, 837          | 228, 865                          | 4, 660, 663                      | 2, 783, 658            |
| 1933.....               | 84, 702                   | 14, 948                                  | 282, 388          | ( <sup>2</sup> )   | 967, 833                        | 690, 533                        | 90, 906          | 186, 304                          | 4, 649, 937                      | 2, 721, 877            |
| 1934.....               | 84, 158                   | 15, 100                                  | 280, 834          | 306, 738           | 973, 647                        | 685, 408                        | 95, 068          | 193, 093                          | 4, 623, 724 <sup>3</sup>         | 2, 650, 887            |
| 1935 <sup>4</sup> ..... | 83, 657                   | 15, 272                                  | 272, 678          | 409, 067           | 1, 016, 706                     | 714, 673                        | 100, 622         | 200, 344                          | 4, 572, 678 <sup>3</sup>         | 2, 641, 399            |
| Class A companies:      |                           |                                          |                   |                    |                                 |                                 |                  |                                   |                                  |                        |
| 1925.....               | 48, 437                   | 13, 037                                  | ( <sup>2</sup> )  | ( <sup>2</sup> )   | 792, 428                        | 539, 072                        | 61, 699          | 186, 777                          | 2, 674, 626                      | 1, 631, 335            |
| 1930.....               | 81, 517                   | 17, 128                                  | 352, 535          | ( <sup>2</sup> )   | 1, 183, 503                     | 813, 734                        | 90, 956          | 269, 717                          | 4, 312, 885                      | 2, 652, 428            |
| 1933.....               | 84, 372                   | 14, 769                                  | 279, 233          | 380, 164           | 962, 348                        | 686, 312                        | 90, 467          | 185, 495                          | 4, 620, 717                      | 2, 699, 415            |
| 1934.....               | 83, 892                   | 14, 957                                  | 278, 401          | 394, 760           | 959, 218                        | 681, 996                        | 94, 678          | 192, 454                          | 4, 599, 931 <sup>3</sup>         | 2, 649, 197            |
| 1935 <sup>4</sup> ..... | 83, 508                   | 15, 196                                  | 271, 343          | 408, 011           | 1, 013, 207                     | 712, 783                        | 100, 413         | 199, 944                          | 4, 560, 133 <sup>3</sup>         | 2, 639, 875            |

<sup>1</sup> Owing to revisions in the accounting classifications, data beginning with 1933 are not comparable with those for earlier years.

<sup>2</sup> Data not available.

<sup>3</sup> Excluding investments in electric, gas, water, and other utilities operated by telephone companies; such data were included prior to 1934.

<sup>4</sup> Returns incomplete; data, however, represent great bulk of business.

Sources: Interstate Commerce Commission, 1916 to 1933; Federal Communications Commission thereafter.

# No. 390.—RADIOTELEGRAPH CARRIERS: REPORTS TO THE FEDERAL COMMUNICATIONS COMMISSION

NOTE.—For Census data relating to wireless telegraph systems, 1907-1927, see the 1935 Statistical Abstract, table 377.

[All money figures in thousands of dollars]

|                                               | 1934    | 1935    |
|-----------------------------------------------|---------|---------|
| Operating revenues.....                       | 7, 428  | 7, 963  |
| Operating expenses.....                       | 7, 023  | 7, 844  |
| Tax accruals.....                             | 279     | 214     |
| Operating income.....                         | 166     | 1, 875  |
| Net income.....                               | 1 141   | 1 641   |
| Revenue messages transmitted (thousands)..... | 5, 086  | 6, 876  |
| Number of employees on June 30.....           | 2, 362  | 2, 815  |
| Total compensation for year.....              | 4, 042  | 4, 205  |
| Investment in plant and equipment.....        | 30, 906 | 31, 420 |
| Capital stock.....                            | 7, 466  | 7, 967  |
| Unmatured funded debt.....                    | 3, 789  | 4, 144  |

<sup>1</sup> Deficit.

Source: Federal Communications Commission.



# No. 391.—TELEGRAPH AND CABLE SYSTEMS: REPORTS TO THE INTERSTATE COMMERCE COMMISSION AND TO THE FEDERAL COMMUNICATIONS COMMISSION

[All money figures in thousands of dollars]

| Year                                                | Miles of wire (thousands) | Investments         |                  | Operating revenues | Operating ratio (per cent) | Operating income | Net income | Dividends | Employees         |                    |
|-----------------------------------------------------|---------------------------|---------------------|------------------|--------------------|----------------------------|------------------|------------|-----------|-------------------|--------------------|
|                                                     |                           | Plant and equipment | Other            |                    |                            |                  |            |           | Number on June 30 | Total compensation |
| All companies:                                      |                           |                     |                  |                    |                            |                  |            |           |                   |                    |
| 1916                                                | 1,936                     | 149,936             | ( <sup>1</sup> ) | 74,847             | 73.77                      | ( <sup>1</sup> ) | 13,955     | 6,069     | ( <sup>1</sup> )  | ( <sup>1</sup> )   |
| 1920                                                | 1,781                     | 258,097             | 21,275           | 153,264            | ( <sup>1</sup> )           | 21,612           | 16,158     | 11,471    | ( <sup>1</sup> )  | ( <sup>1</sup> )   |
| 1921                                                | 1,858                     | 270,976             | 20,549           | 136,663            | ( <sup>1</sup> )           | 18,667           | 13,311     | 9,078     | ( <sup>1</sup> )  | ( <sup>1</sup> )   |
| 1922                                                | 1,874                     | 279,402             | 19,907           | 138,190            | ( <sup>1</sup> )           | 22,894           | 18,138     | 13,960    | ( <sup>1</sup> )  | ( <sup>1</sup> )   |
| 1923                                                | 1,894                     | 288,481             | 27,001           | 144,610            | 81.11                      | 21,925           | 16,656     | 9,309     | ( <sup>1</sup> )  | ( <sup>1</sup> )   |
| 1924                                                | 1,946                     | 307,143             | 27,565           | 146,176            | 81.94                      | 20,229           | 15,805     | 9,386     | ( <sup>1</sup> )  | ( <sup>1</sup> )   |
| 1925                                                | 2,076                     | 321,687             | 28,191           | 162,693            | 81.64                      | 23,204           | 18,854     | 9,096     | 81,601            | ( <sup>1</sup> )   |
| 1926                                                | 2,056                     | 338,794             | 27,017           | 165,831            | 82.81                      | 21,767           | 18,806     | 10,750    | 85,437            | ( <sup>1</sup> )   |
| 1927                                                | 2,207                     | 379,514             | 27,434           | 170,843            | 80.58                      | 25,714           | 21,040     | 11,618    | 81,323            | ( <sup>1</sup> )   |
| 1928                                                | 2,317                     | 396,909             | 32,190           | 177,019            | 81.18                      | 26,335           | 21,662     | 11,680    | 85,027            | ( <sup>1</sup> )   |
| 1929                                                | 2,365                     | 411,725             | 54,285           | 188,574            | 82.59                      | 26,333           | 21,611     | 18,828    | 92,058            | ( <sup>1</sup> )   |
| 1930                                                | 2,381                     | 450,223             | 38,640           | 169,643            | 86.16                      | 17,930           | 10,730     | 20,073    | 90,349            | ( <sup>1</sup> )   |
| 1931                                                | 2,349                     | 463,171             | 26,498           | 142,762            | 87.78                      | 12,662           | 4,029      | 9,588     | 77,559            | ( <sup>1</sup> )   |
| 1932                                                | 2,337                     | 465,039             | 22,417           | 110,302            | 89.88                      | 6,168            | 3,183      | 2,461     | 66,116            | ( <sup>1</sup> )   |
| 1933                                                | 2,353                     | 466,701             | 24,637           | 109,040            | 85.02                      | 11,124           | 2,895      | 816       | 62,342            | 64,719             |
| 1934                                                | 2,399                     | 501,764             | 55,057           | 119,053            | 86.35                      | 11,024           | 1,068      | 1,796     | 68,621            | 73,129             |
| 1935                                                | 2,401                     | 501,141             | 54,514           | 122,208            | 83.93                      | 14,426           | 4,251      | 4,816     | 66,172            | 72,171             |
| Western Union Co.: 1935                             | 1,906                     | 328,868             | 19,055           | 89,869             | 82.12                      | 12,042           | 5,258      | 2,090     | 46,488            | 54,846             |
| Postal Telegraph-Cable Co. (land line system): 1935 | 386                       | 82,360              | 837              | 22,146             | 92.68                      | 971              | \$ 1,700   | -----     | 15,792            | 12,731             |

<sup>1</sup> Data not available.<sup>2</sup> Deficit.

Source: Interstate Commerce Commission, 1916 to 1933; Federal Communications Commission thereafter.

# No. 392.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS COMBINED: EQUIPMENT, TRAFFIC, EMPLOYEES, AND FINANCES

|                                             | 1902             | 1912             | 1917      | 1922      | 1927      | 1932      |
|---------------------------------------------|------------------|------------------|-----------|-----------|-----------|-----------|
| Miles of pole line <sup>1</sup>             | 237,990          | 247,528          | 241,128   | 252,991   | 259,809   | 256,661   |
| Miles of single wire <sup>1</sup>           | 1,318,350        | 1,814,196        | 1,890,345 | 1,868,250 | 2,145,897 | 2,266,054 |
| Aerial                                      | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 1,809,482 | 1,718,251 | 1,940,069 | 1,956,003 |
| Underground                                 | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 77,187    | 181,448   | 200,979   | 303,912   |
| Submarine                                   | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 3,676     | 3,551     | 4,849     | 6,139     |
| Nautical miles of ocean cable               | 16,677           | 67,676           | 71,251    | 76,711    | 99,074    | 96,468    |
| Number of offices                           | 27,377           | 30,864           | 28,940    | 27,354    | 27,696    | 26,047    |
| Operated jointly with railway companies     | ( <sup>2</sup> ) | 26,247           | 23,272    | 21,906    | 21,449    | 18,816    |
| Messages sent (thousands)                   | 81,655           | 108,378          | 187,074   | 191,121   | 229,582   | 185,378   |
| Governmental                                | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 4,597     | 3,199     | 2,732     | 3,655     |
| Full commercial rate                        | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 110,618   | 175,847   | 214,164   | 146,162   |
| Contract rate and free                      | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 11,858    | 12,075    | 12,686    | 8,501     |
| Number of employees                         | 27,627           | 44,811           | 64,723    | 68,632    | 81,498    | 66,723    |
| Salaries and wages (\$1,000)                | 15,040           | 24,965           | 43,764    | 76,162    | 99,520    | 73,949    |
| Revenue, operating (\$1,000)                | 35,301           | 60,408           | 106,990   | 146,805   | 177,589   | 114,666   |
| Investment in plant and equipment (\$1,000) | 161,680          | 222,047          | 248,368   | 326,662   | 426,600   | 506,445   |

<sup>1</sup> Exclusive of poleline owned and operated wholly by railway companies.<sup>2</sup> Exclusive of wire owned and operated wholly by railway companies, as follows: Reported by all railway companies, 1912, 314,329 miles; reported by railway companies having annual operating revenues of \$1,000,000 or more, 1917, 344,110 miles; 1922, 236,002 miles; 1927, 333,598 miles; 1932, 337,059 miles. No data for 1902.<sup>3</sup> Figures not available.<sup>4</sup> The number of employees includes 7,516 messengers whose wages are not included in figure for salaries and wages.

Source: Bureau of the Census, Department of Commerce.

# No. 393.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS: EQUIPMENT, TRAFFIC, EMPLOYEES, AND FINANCES

|                                                  | Land systems          |             |             |             | Ocean systems        |         |         |         |
|--------------------------------------------------|-----------------------|-------------|-------------|-------------|----------------------|---------|---------|---------|
|                                                  | 1917                  | 1922        | 1927        | 1932        | 1917                 | 1922    | 1927    | 1932    |
| Miles of pole line <sup>1</sup> .....            | 241, 012              | 252, 991    | 254, 720    | 256, 215    | 116                  | -----   | 2, 089  | 446     |
| Miles of single wire <sup>1</sup> .....          | 1, 888, 793           | 1, 845, 237 | 2, 138, 259 | 2, 259, 827 | 1, 452               | 8, 013  | 7, 638  | 6, 227  |
| Aerial.....                                      | 1, 808, 325           | 1, 714, 211 | 1, 936, 611 | 1, 952, 432 | 1, 157               | 4, 040  | 3, 468  | 3, 571  |
| Underground.....                                 | 76, 892               | 127, 475    | 197, 058    | 301, 560    | 295                  | 3, 973  | 3, 921  | 2, 352  |
| Submarine.....                                   | 3, 576                | 3, 551      | 4, 590      | 5, 835      | -----                | -----   | 259     | 804     |
| Nautical miles of ocean cable.....               | -----                 | -----       | -----       | -----       | 71, 251              | 76, 711 | 99, 074 | 96, 468 |
| Number of offices.....                           | 28, 826               | 27, 214     | 27, 530     | 25, 901     | 114                  | 140     | 136     | 146     |
| Operated jointly with railway companies.....     | 23, 272               | 21, 906     | 21, 449     | 18, 816     | -----                | -----   | -----   | -----   |
| Messages sent, thousands.....                    | <sup>2</sup> 120, 823 | 181, 519    | 215, 595    | 147, 941    | 6, 451               | 9, 603  | 13, 987 | 10, 437 |
| Governmental.....                                | 4, 309                | 3, 130      | 2, 657      | 3, 583      | 288                  | 69      | 75      | 72      |
| Full commercial rate.....                        | 106, 159              | 166, 730    | 200, 381    | 135, 797    | 4, 459               | 9, 117  | 13, 783 | 10, 365 |
| Contract rate and free.....                      | 10, 154               | 11, 659     | 12, 557     | 8, 561      | 1, 704               | 417     | 129     | -----   |
| Number of employees.....                         | 60, 376               | 62, 299     | 74, 903     | 60, 933     | 4, 347               | 6, 333  | 6, 595  | 5, 790  |
| Salaries and wages (\$1,000).....                | 40, 512               | 58, 737     | 89, 984     | 66, 988     | 3, 252               | 7, 425  | 9, 536  | 5, 961  |
| Revenue, operating (\$1,000).....                | 91, 313               | 128, 631    | 159, 882    | 97, 729     | 15, 677              | 18, 174 | 17, 907 | 16, 927 |
| Investment in plant and equipment (\$1,000)..... | <sup>4</sup> 163, 488 | 254, 030    | 338, 143    | 415, 694    | <sup>5</sup> 79, 871 | 72, 632 | 88, 556 | 90, 761 |

<sup>1</sup> Exclusive of pole line owned and operated wholly by railway companies.

<sup>2</sup> Exclusive of wire owned and operated wholly by railway companies having annual operating revenues of \$1,000,000 or more: 1917, 344,110 miles; 1922, 285,002 miles; 1927, 333,898 miles; 1932, 337,059 miles.

<sup>3</sup> In addition, 31,102,577 lettergrams, not distributed according to rate, were reported.

<sup>4</sup> Not including land-line system plant and equipment to the value of \$20,000,000 reported as cable-system plant and equipment for 1917.

<sup>5</sup> Includes land-line-system plant and equipment to the value of \$20,000,000.

# No. 394.—WESTERN UNION TELEGRAPH CO.: MILEAGE OF LINES AND WIRES, NUMBER OF OFFICES, AND FINANCES

| Year ended—     | Miles of pole line and cable | Miles of wire | Number of offices | Receipts                   | Expenses                  | Net income <sup>1</sup>   |
|-----------------|------------------------------|---------------|-------------------|----------------------------|---------------------------|---------------------------|
| <b>June 30—</b> |                              |               |                   | <i>Dollars</i>             | <i>Dollars</i>            | <i>Dollars</i>            |
| 1887.....       | 46, 270                      | 85, 291       | 2, 555            | 6, 683, 925                | 3, 944, 006               | 2, 624, 920               |
| 1870.....       | 54, 109                      | 112, 191      | 3, 972            | 7, 138, 738                | 4, 910, 772               | 2, 227, 966               |
| 1875.....       | 72, 333                      | 179, 496      | 6, 556            | 9, 564, 575                | 6, 335, 415               | 3, 229, 158               |
| 1880.....       | 85, 645                      | 233, 534      | 9, 077            | 12, 782, 395               | 6, 948, 957               | 5, 833, 938               |
| 1885.....       | 147, 500                     | 462, 283      | 14, 184           | 17, 766, 334               | 12, 005, 910              | 5, 700, 924               |
| 1890.....       | 153, 617                     | 678, 997      | 19, 382           | 22, 387, 029               | 15, 074, 304              | 7, 312, 725               |
| 1895.....       | 189, 714                     | 802, 651      | 21, 360           | 22, 213, 019               | 16, 076, 630              | 6, 141, 389               |
| 1900.....       | 192, 705                     | 933, 153      | 22, 000           | 24, 758, 570               | 18, 593, 206              | 6, 165, 364               |
| 1905.....       | 200, 224                     | 1, 184, 557   | 23, 814           | 29, 033, 635               | 21, 845, 570              | 7, 188, 065               |
| 1910.....       | 214, 360                     | 1, 429, 046   | 24, 825           | 33, 889, 202               | 26, 614, 302              | 7, 274, 900               |
| <b>Dec. 31—</b> |                              |               |                   |                            |                           |                           |
| 1915.....       | 238, 940                     | 1, 610, 709   | 25, 142           | 52, 475, 721               | 40, 972, 541              | 11, 503, 180              |
| 1918.....       | <sup>2</sup> 247, 303        | 1, 382, 547   | 25, 452           | <sup>3</sup> 88, 093, 247  | <sup>4</sup> 76, 713, 028 | <sup>5</sup> 11, 380, 219 |
| 1919.....       | 245, 560                     | 1, 438, 978   | 25, 159           | <sup>3</sup> 104, 082, 147 | <sup>4</sup> 90, 312, 033 | <sup>5</sup> 13, 770, 114 |
| 1920.....       | 246, 214                     | 1, 449, 710   | 24, 881           | 121, 473, 686              | 108, 134, 041             | 13, 359, 644              |
| 1921.....       | 246, 064                     | 1, 521, 085   | 24, 632           | 105, 228, 076              | 95, 542, 565              | 9, 685, 512               |
| 1922.....       | 242, 729                     | 1, 534, 009   | 24, 580           | 107, 116, 306              | 93, 910, 954              | 13, 205, 352              |
| 1923.....       | 244, 001                     | 1, 557, 399   | 24, 678           | 113, 628, 470              | 99, 982, 165              | 13, 646, 305              |
| 1924.....       | 246, 742                     | 1, 593, 963   | 24, 478           | 115, 235, 553              | 101, 816, 734             | 13, 419, 829              |
| 1925.....       | 246, 307                     | 1, 635, 236   | 24, 428           | 120, 151, 617              | 112, 861, 832             | 16, 289, 785              |
| 1926.....       | 249, 916                     | 1, 668, 293   | 24, 688           | 136, 406, 028              | 121, 098, 332             | 15, 307, 194              |
| 1927.....       | 251, 756                     | 1, 783, 140   | 24, 765           | 134, 460, 816              | 119, 328, 218             | 15, 132, 598              |
| 1928.....       | 255, 088                     | 1, 889, 632   | 24, 842           | 139, 387, 321              | 123, 817, 517             | 15, 569, 804              |
| 1929.....       | 256, 044                     | 1, 934, 020   | 25, 061           | 148, 449, 854              | 132, 872, 815             | 15, 577, 039              |
| 1930.....       | 256, 763                     | 1, 948, 983   | 24, 298           | 133, 235, 751              | 123, 937, 519             | 9, 248, 232               |
| 1931.....       | 258, 652                     | 1, 913, 485   | 23, 490           | 110, 547, 245              | 104, 572, 745             | 5, 974, 500               |
| 1932.....       | 253, 020                     | 1, 899, 174   | 21, 930           | 84, 581, 965               | 85, 412, 568              | <sup>6</sup> 350, 395     |
| 1933.....       | 257, 274                     | 1, 902, 327   | 21, 261           | 84, 993, 425               | 80, 628, 543              | 4, 364, 882               |
| 1934.....       | 255, 781                     | 1, 902, 799   | 21, 078           | 85, 757, 205               | 86, 514, 121              | 2, 243, 084               |
| 1935.....       | 254, 691                     | 1, 905, 858   | 20, 964           | 91, 389, 312               | 86, 131, 234              | 5, 258, 078               |

<sup>1</sup> Prior to 1919 data represent net income before bond interest.

<sup>2</sup> Corporate and Federal.

<sup>3</sup> Figures readjusted.

<sup>4</sup> Deficit.

Sources: Table 393, Bureau of the Census, Department of Commerce; table 394, Western Union Telegraph Co.

# 18.—POWER—ELECTRIC AND OTHER

[Data in this section relate to continental United States]

## No. 395.—ANNUAL SUPPLY OF ENERGY FROM MINERAL FUELS AND WATER POWER IN THE UNITED STATES

NOTE.—The figures, except coal equivalent, represent the equivalent of the heating power of the classes of fuel in trillions of British thermal units. Data represent production, except those for oil imports, and take no account of exports, imports, or changes in stocks

| Annual average or year  | Anthracite <sup>1</sup> | Bituminous | Total coal | Domestic oil | Natural gas | Imported oil | Water power <sup>2</sup> | Grand total fuels and water power | Equivalent in bituminous coal <sup>3</sup> |                  |
|-------------------------|-------------------------|------------|------------|--------------|-------------|--------------|--------------------------|-----------------------------------|--------------------------------------------|------------------|
|                         |                         |            |            |              |             |              |                          |                                   | Million tons of 2,000 lbs.                 | Per capita, tons |
| 1871-1875.....          | 637                     | 764        | 1,391      | 49           | -----       | -----        | (?)                      | 1,520                             | 68                                         | 1.4              |
| 1876-1880.....          | 718                     | 1,965      | 1,673      | 101          | -----       | -----        | (?)                      | 1,857                             | 71                                         | 1.5              |
| 1881-1885.....          | 985                     | 1,863      | 2,848      | 153          | 24          | -----        | (?)                      | 3,110                             | 119                                        | 2.2              |
| 1886-1890.....          | 1,195                   | 2,474      | 3,669      | 198          | 284         | -----        | (?)                      | 4,221                             | 161                                        | 2.7              |
| 1891-1895.....          | 1,453                   | 3,286      | 4,739      | 307          | 186         | -----        | 104                      | 5,310                             | 203                                        | 3.0              |
| 1896-1900.....          | 1,513                   | 4,403      | 6,006      | 367          | 108         | -----        | 129                      | 6,690                             | 255                                        | 3.5              |
| 1901-1905.....          | 1,818                   | 7,140      | 8,958      | 612          | 323         | -----        | 209                      | 10,102                            | 386                                        | 4.8              |
| 1906-1910.....          | 2,207                   | 9,738      | 11,990     | 1,037        | 470         | 1            | 369                      | 13,867                            | 520                                        | 5.9              |
| 1911-1915.....          | 2,427                   | 11,527     | 13,954     | 1,486        | 619         | 72           | 591                      | 16,722                            | 638                                        | 6.6              |
| 1916-1920.....          | 2,523                   | 13,981     | 16,504     | 2,176        | 820         | 207          | 851                      | 20,048                            | 788                                        | 7.6              |
| 1921-1925.....          | 2,112                   | 12,610     | 14,722     | 3,888        | 1,024       | 609          | 1,105                    | 21,308                            | 813                                        | 7.3              |
| 1926-1930.....          | 2,084                   | 13,505     | 15,679     | 5,375        | 1,760       | 408          | 1,781                    | 25,002                            | 954                                        | 8.0              |
| 1931-1935.....          | 1,454                   | 9,191      | 10,645     | 5,333        | 1,816       | 230          | 1,031                    | 19,054                            | 792                                        | 8.1              |
| 1931.....               | 1,622                   | 10,011     | 11,633     | 5,106        | 1,813       | 284          | 1,721                    | 20,567                            | 785                                        | 8.3              |
| 1932.....               | 1,356                   | 8,114      | 9,470      | 4,711        | 1,673       | 268          | 1,900                    | 18,022                            | 688                                        | 5.5              |
| 1933.....               | 1,348                   | 8,741      | 10,089     | 5,434        | 1,672       | 191          | 1,931                    | 19,317                            | 737                                        | 5.9              |
| 1934.....               | 1,555                   | 9,415      | 10,970     | 5,448        | 1,904       | 213          | 1,890                    | 20,431                            | 780                                        | 6.2              |
| 1935 (preliminary)..... | 1,387                   | 9,676      | 11,063     | 5,904        | 2,016       | 193          | 2,207                    | 21,443                            | 818                                        | 6.4              |

<sup>1</sup> Not including bootleg or stolen coal, estimated at about 4,000,000 net tons in 1935; if this were included the total energy from anthracite in 1935 would be 1,406 trillion British thermal units.

<sup>2</sup> The fuel equivalent for water power is calculated from the reported horsepower of installed water wheels. Prior to 1890 data were unsatisfactory, but estimates are included in the total.

<sup>3</sup> Calculated at 26,200,000 British thermal units per ton.

<sup>4</sup> Based on the amount of coal displaced by gas, as estimated by the gas companies.

## No. 396.—ELECTRICITY PRODUCED, CONSUMPTION OF FUEL, AND CAPACITY OF GENERATORS IN PUBLIC-UTILITY POWER PLANTS

NOTE.—Data prior to 1919 are totals for central stations and electric railways as reported by Bureau of the Census; thereafter, they are estimated totals for all plants, based on returns from about 3,600 plants in 1919 to about 3,800 in 1935, each producing 10,000 kilowatt-hours or more per month, engaged in public service, including central stations, electric railways, steam railroads generating electricity for traction, and certain other plants. The capacity of plants reporting is about 95 percent of that of all plants

| Calendar year | Production of electricity |             |                         | Consumption of fuel                |                                           |                          | Consumption—Coal or coal equivalent |                            | Capacity of generators (thousand kilowatts) |
|---------------|---------------------------|-------------|-------------------------|------------------------------------|-------------------------------------------|--------------------------|-------------------------------------|----------------------------|---------------------------------------------|
|               | Total                     | Water power | Fuel <sup>1</sup> power | Coal (thousand tons <sup>1</sup> ) | Fuel oil (thousand barrels <sup>2</sup> ) | Gas (million cubic feet) | Total (thousand tons <sup>1</sup> ) | Per kilowatt-hour (pounds) |                                             |
|               | Million kilowatt-hours    |             |                         |                                    |                                           |                          |                                     |                            |                                             |
| 1902.....     | 4,768                     | -----       | -----                   | -----                              | -----                                     | -----                    | -----                               | -----                      | 2,112                                       |
| 1912.....     | 17,672                    | -----       | -----                   | -----                              | -----                                     | -----                    | -----                               | -----                      | 7,070                                       |
| 1919.....     | 38,921                    | 14,606      | 24,315                  | 35,100                             | 11,950                                    | 21,466                   | 38,880                              | 3.2                        | 13,094                                      |
| 1920.....     | 43,555                    | 16,160      | 27,405                  | 37,124                             | 13,123                                    | 24,702                   | 41,420                              | 3.0                        | 14,399                                      |
| 1921.....     | 40,975                    | 14,870      | 26,005                  | 31,685                             | 12,045                                    | 23,722                   | 35,240                              | 2.7                        | 15,483                                      |
| 1922.....     | 47,654                    | 17,207      | 30,447                  | 34,179                             | 13,197                                    | 27,172                   | 38,000                              | 2.5                        | 15,971                                      |
| 1923.....     | 55,665                    | 19,343      | 36,322                  | 38,996                             | 14,684                                    | 31,433                   | 43,622                              | 2.4                        | 17,369                                      |
| 1924.....     | 59,014                    | 20,569      | 38,444                  | 37,559                             | 16,630                                    | 48,443                   | 43,130                              | 2.2                        | 19,519                                      |
| 1925.....     | 65,870                    | 22,356      | 43,514                  | 40,222                             | 10,246                                    | 46,521                   | 44,780                              | 2.1                        | 23,619                                      |
| 1926.....     | 73,791                    | 26,189      | 47,602                  | 41,311                             | 9,399                                     | 53,207                   | 45,866                              | 1.96                       | 25,308                                      |
| 1927.....     | 80,205                    | 29,875      | 50,330                  | 41,888                             | 6,782                                     | 62,919                   | 45,910                              | 1.84                       | 27,691                                      |
| 1928.....     | 87,586                    | 34,696      | 52,890                  | 41,350                             | 7,188                                     | 77,320                   | 46,387                              | 1.76                       | 29,630                                      |
| 1929.....     | 97,332                    | 34,629      | 62,703                  | 44,937                             | 10,124                                    | 112,707                  | 52,574                              | 1.69                       | 31,952                                      |
| 1930.....     | 95,986                    | 33,021      | 62,965                  | 42,898                             | 8,260                                     | 120,230                  | 50,654                              | 1.62                       | 34,204                                      |
| 1931.....     | 91,729                    | 30,603      | 61,126                  | 38,784                             | 8,123                                     | 139,328                  | 47,134                              | 1.55                       | 35,590                                      |
| 1932.....     | 83,153                    | 34,098      | 49,055                  | 30,290                             | 7,967                                     | 107,875                  | 36,600                              | 1.50                       | 36,061                                      |
| 1933.....     | 85,402                    | 34,727      | 50,674                  | 30,576                             | 8,940                                     | 102,601                  | 37,163                              | 1.47                       | 36,038                                      |
| 1934.....     | 91,160                    | 34,058      | 57,092                  | 33,555                             | 10,379                                    | 127,896                  | 41,296                              | 1.47                       | 35,874                                      |
| 1935.....     | 99,398                    | 39,968      | 59,430                  | 34,807                             | 11,393                                    | 125,230                  | 43,188                              | 1.46                       | 36,133                                      |

<sup>1</sup> Of 2,000 pounds.

<sup>2</sup> Of 42 gallons.

<sup>3</sup> Partly estimated.

Sources: Table 395, Bureau of Mines, Department of the Interior; table 396, 1902 and 1912, Bureau of the Census, Department of Commerce; thereafter, Geological Survey, Department of the Interior.

## No. 397.—PRODUCTION OF ELECTRIC POWER AND CAPACITY OF GENERATORS IN PUBLIC-UTILITY POWER PLANTS: BY STATES

[Production in millions of kilowatt-hours; capacity of generators in thousands of kilowatts]

| Division and State        | Production of electric power |        |        |        |        |                          |        |                         |        |        | Cap-acity of gener-ators, De-cem-ber |
|---------------------------|------------------------------|--------|--------|--------|--------|--------------------------|--------|-------------------------|--------|--------|--------------------------------------|
|                           | Total                        |        |        |        |        | Generated by water power |        | Generated by fuel power |        |        |                                      |
|                           | 1920                         | 1925   | 1930   | 1933   | 1934   | 1935                     | 1934   | 1935                    | 1934   | 1935   |                                      |
| United States.....        | 43,555                       | 65,870 | 95,936 | 85,402 | 91,150 | 99,398                   | 34,058 | 38,968                  | 57,082 | 59,430 | 36,138                               |
| New England.....          | 3,407                        | 4,824  | 6,400  | 6,087  | 6,371  | 6,914                    | 2,776  | 2,950                   | 3,595  | 3,984  | 2,908                                |
| Maine.....                | 352                          | 509    | 781    | 826    | 870    | 929                      | 362    | 907                     | 8      | 22     | 284                                  |
| New Hampshire.....        | 97                           | 264    | 367    | 599    | 631    | 681                      | 575    | 631                     | 55     | 50     | 280                                  |
| Vermont.....              | 200                          | 258    | 480    | 432    | 442    | 531                      | 442    | 531                     | (1)    | (1)    | 177                                  |
| Massachusetts.....        | 1,740                        | 2,378  | 2,908  | 2,595  | 2,673  | 2,887                    | 570    | 634                     | 2,103  | 2,252  | 1,337                                |
| Rhode Island.....         | 384                          | 408    | 547    | 442    | 473    | 512                      | 6      | 4                       | 468    | 508    | 243                                  |
| Connecticut.....          | 684                          | 1,007  | 1,367  | 1,174  | 1,284  | 1,375                    | 323    | 244                     | 961    | 1,131  | 609                                  |
| Middle Atlantic.....      | 12,349                       | 18,289 | 25,136 | 22,977 | 24,417 | 25,904                   | 6,504  | 7,838                   | 17,613 | 18,089 | 9,382                                |
| New York.....             | 6,939                        | 10,267 | 14,404 | 12,983 | 13,419 | 14,082                   | 5,398  | 6,192                   | 8,026  | 7,890  | 5,073                                |
| New Jersey.....           | 1,096                        | 1,506  | 2,857  | 3,202  | 3,524  | 3,576                    | 31     | 26                      | 3,463  | 3,550  | 1,396                                |
| Pennsylvania.....         | 4,314                        | 6,526  | 7,876  | 6,787  | 7,475  | 8,246                    | 1,380  | 1,618                   | 6,094  | 6,628  | 2,913                                |
| East North Central.....   | 9,958                        | 15,715 | 22,185 | 18,856 | 20,920 | 22,893                   | 2,145  | 2,688                   | 18,778 | 20,147 | 8,015                                |
| Ohio.....                 | 2,930                        | 4,387  | 5,942  | 5,415  | 5,848  | 6,876                    | 15     | 21                      | 5,933  | 6,555  | 2,153                                |
| Indiana.....              | 933                          | 1,484  | 2,943  | 2,513  | 2,822  | 3,048                    | 72     | 115                     | 2,750  | 2,933  | 1,041                                |
| Illinois.....             | 2,043                        | 3,269  | 6,851  | 5,032  | 6,090  | 6,087                    | 229    | 272                     | 5,861  | 5,814  | 2,314                                |
| Michigan.....             | 2,093                        | 3,031  | 4,270  | 3,484  | 4,112  | 4,726                    | 1,055  | 1,181                   | 3,057  | 3,544  | 1,688                                |
| Wisconsin.....            | 960                          | 1,642  | 2,159  | 1,813  | 1,949  | 2,296                    | 774    | 1,096                   | 1,175  | 1,200  | 918                                  |
| West North Central.....   | 3,179                        | 4,254  | 5,982  | 5,505  | 5,728  | 6,588                    | 1,294  | 2,148                   | 4,502  | 4,440  | 2,710                                |
| Minnesota.....            | 703                          | 1,046  | 1,311  | 1,162  | 1,224  | 1,205                    | 338    | 573                     | 886    | 933    | 590                                  |
| Iowa.....                 | 1,017                        | 1,195  | 1,574  | 1,394  | 1,437  | 1,738                    | 575    | 877                     | 956    | 911    | 600                                  |
| Missouri.....             | 698                          | 866    | 1,269  | 1,239  | 1,205  | 1,622                    | 250    | 626                     | 956    | 996    | 718                                  |
| North Dakota.....         | 28                           | 39     | 125    | 139    | 158    | 173                      | 8      | 11                      | 91     | 99     | 68                                   |
| South Dakota.....         | 48                           | 75     | 114    | 86     | 96     | 110                      | 37     | 36                      | 574    | 584    | 259                                  |
| Nebraska.....             | 247                          | 396    | 575    | 556    | 611    | 620                      | 37     | 36                      | 574    | 584    | 259                                  |
| Kansas.....               | 438                          | 667    | 1,014  | 879    | 992    | 1,069                    | 16     | 25                      | 976    | 1,044  | 400                                  |
| South Atlantic.....       | 3,980                        | 6,272  | 10,895 | 10,144 | 10,184 | 11,430                   | 5,702  | 6,495                   | 4,491  | 4,985  | 4,366                                |
| Delaware.....             | 76                           | 102    | 18     | 6      | 6      | 6                        | 1,205  | 1,395                   | 426    | 479    | 312                                  |
| Maryland.....             | 283                          | 573    | 1,869  | 1,763  | 1,841  | 1,874                    | 11     | 12                      | 535    | 574    | 222                                  |
| District of Columbia..... | 255                          | 360    | 548    | 468    | 545    | 558                      | 11     | 12                      | 535    | 574    | 222                                  |
| Virginia.....             | 521                          | 802    | 1,231  | 1,090  | 1,123  | 1,223                    | 209    | 405                     | 824    | 815    | 475                                  |
| West Virginia.....        | 1,123                        | 1,643  | 2,103  | 1,732  | 1,828  | 2,113                    | 123    | 192                     | 1,609  | 1,921  | 569                                  |
| North Carolina.....       | 200                          | 942    | 2,298  | 1,967  | 1,886  | 2,320                    | 1,758  | 2,151                   | 128    | 169    | 984                                  |
| South Carolina.....       | 730                          | 882    | 1,202  | 1,313  | 1,303  | 1,807                    | 1,232  | 1,292                   | 130    | 105    | 642                                  |
| Georgia.....              | 595                          | 651    | 937    | 1,212  | 1,131  | 1,280                    | 1,043  | 1,108                   | 88     | 172    | 469                                  |
| Florida.....              | 133                          | 318    | 688    | 613    | 670    | 719                      | 25     | 30                      | 645    | 689    | 364                                  |
| East South Central.....   | 1,494                        | 2,610  | 3,882  | 3,899  | 3,760  | 4,206                    | 3,088  | 3,458                   | 672    | 748    | 1,681                                |
| Kentucky.....             | 276                          | 476    | 719    | 660    | 724    | 742                      | 396    | 407                     | 328    | 336    | 331                                  |
| Tennessee.....            | 573                          | 875    | 1,037  | 976    | 1,107  | 1,234                    | 935    | 966                     | 232    | 268    | 426                                  |
| Alabama.....              | 550                          | 1,169  | 2,066  | 1,712  | 1,815  | 2,173                    | 1,756  | 2,086                   | 59     | 88     | 840                                  |
| Mississippi.....          | 68                           | 91     | 62     | 50     | 53     | 56                       | —      | —                       | 53     | 56     | 64                                   |
| West South Central.....   | 1,230                        | 2,202  | 5,055  | 4,256  | 4,552  | 4,879                    | 158    | 298                     | 4,594  | 4,593  | 1,775                                |
| Arkansas.....             | 119                          | 189    | 108    | 105    | 136    | 239                      | 85     | 182                     | 51     | 57     | 147                                  |
| Louisiana.....            | 219                          | 350    | 1,067  | 1,097  | 1,222  | 1,278                    | 2      | 2                       | 1,222  | 1,278  | 311                                  |
| Oklahoma.....             | 214                          | 394    | 958    | 728    | 753    | 824                      | 72     | 102                     | 751    | 822    | 339                                  |
| Texas.....                | 679                          | 1,268  | 2,922  | 2,267  | 2,442  | 2,598                    | —      | —                       | 2,370  | 2,436  | 978                                  |
| Mountain.....             | 2,581                        | 3,127  | 3,699  | 2,771  | 2,898  | 3,513                    | 2,170  | 2,681                   | 799    | 897    | 1,207                                |
| Montana.....              | 1,126                        | 1,263  | 1,320  | 923    | 868    | 1,296                    | 852    | 1,281                   | 15     | 15     | 310                                  |
| Idaho.....                | 591                          | 794    | 912    | 595    | 685    | 672                      | 684    | 672                     | 1      | 1      | 238                                  |
| Wyoming.....              | 47                           | 56     | 98     | 79     | 82     | 94                       | 26     | 28                      | 56     | 66     | 44                                   |
| Colorado.....             | 397                          | 523    | 573    | 459    | 507    | 549                      | 182    | 197                     | 325    | 352    | 236                                  |
| New Mexico.....           | 15                           | 22     | 76     | 157    | 173    | 191                      | 1      | 1                       | 172    | 189    | 87                                   |
| Arizona.....              | 169                          | 181    | 364    | 296    | 345    | 378                      | 250    | 273                     | 95     | 105    | 146                                  |
| Utah.....                 | 212                          | 340    | 293    | 237    | 207    | 310                      | 147    | 206                     | 60     | 104    | 136                                  |
| Nevada.....               | 34                           | 40     | 48     | 24     | 32     | 28                       | 27     | 23                      | 5      | 5      | 11                                   |
| Pacific.....              | 5,408                        | 8,569  | 12,723 | 11,428 | 12,312 | 13,126                   | 9,982  | 11,428                  | 2,320  | 1,698  | 4,107                                |
| Washington.....           | 1,197                        | 1,623  | 2,555  | 2,439  | 2,747  | 2,982                    | 2,584  | 2,773                   | 163    | 209    | 902                                  |
| Oregon.....               | 476                          | 730    | 1,219  | 965    | 1,002  | 1,084                    | 872    | 908                     | 130    | 180    | 338                                  |
| California.....           | 3,736                        | 6,216  | 8,948  | 8,023  | 8,562  | 9,060                    | 6,535  | 7,751                   | 2,027  | 1,309  | 2,867                                |

1 Less than 500,000 kilowatt-hours.

Source: Geological Survey, Department of the Interior.

## No. 398.—CENTRAL ELECTRIC STATIONS: STATISTICS OF

[See headnote]

| Division and State      | Horsepower of prime movers<br>(thousands) |                  |                                                                                          |                                                       | Thousands of kilowatt-hours generated |              |              |              |
|-------------------------|-------------------------------------------|------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------|--------------|--------------|--------------|
|                         | Total                                     |                  | Steam<br>engines<br>and tur-<br>bines and<br>internal-<br>combustion<br>engines,<br>1932 | Water<br>wheels<br>and<br>hydro-<br>turbines,<br>1932 | 1912                                  | 1917         | 1922         | 1927         |
|                         | 1927                                      | 1932             |                                                                                          |                                                       |                                       |              |              |              |
| Continental U.S.        | 35, 710                                   | 47, 987          | 34, 436                                                                                  | 13, 632                                               | 11, 569, 110                          | 25, 438, 303 | 40, 291, 536 | 74, 666, 378 |
| New England.....        | 3, 009                                    | 3, 643           | 2, 422                                                                                   | 1, 221                                                | 885, 880                              | 1, 835, 684  | 2, 969, 971  | 4, 750, 104  |
| Maine.....              | 252                                       | 353              | 75                                                                                       | 278                                                   | 117, 093                              | 105, 504     | 278, 455     | 560, 604     |
| New Hampshire.....      | 157                                       | 421              | 85                                                                                       | 336                                                   | 120, 594                              | 180, 456     | 94, 804      | 226, 444     |
| Vermont.....            | 204                                       | 1, 599           | 1, 344                                                                                   | 1, 255                                                | 42, 690                               | 65, 080      | 217, 715     | 338, 528     |
| Massachusetts.....      | 1, 529                                    | 1, 590           | 1, 354                                                                                   | 230                                                   | 386, 254                              | 937, 125     | 1, 403, 325  | 2, 245, 301  |
| Rhode Island.....       | 264                                       | ( <sup>1</sup> ) | ( <sup>1</sup> )                                                                         | ( <sup>1</sup> )                                      | 62, 107                               | 101, 856     | 341, 592     | 411, 074     |
| Connecticut.....        | 603                                       | 680              | 564                                                                                      | 116                                                   | 130, 672                              | 345, 563     | 544, 013     | 958, 182     |
| Middle Atlantic.....    | 3, 615                                    | 11, 310          | 3, 250                                                                                   | 2, 080                                                | 3, 548, 605                           | 7, 659, 318  | 10, 765, 515 | 19, 381, 645 |
| New York.....           | 4, 212                                    | 6, 276           | 4, 689                                                                                   | 1, 587                                                | 2, 175, 040                           | 3, 828, 592  | 5, 430, 772  | 9, 917, 586  |
| New Jersey.....         | 1, 004                                    | 1, 426           | 1, 419                                                                                   | 7                                                     | 383, 891                              | 781, 231     | 1, 058, 090  | 1, 861, 085  |
| Pennsylvania.....       | 3, 399                                    | 3, 608           | 3, 142                                                                                   | 466                                                   | 989, 665                              | 3, 049, 495  | 4, 276, 953  | 7, 501, 975  |
| East North Central..... | 3, 688                                    | 11, 366          | 10, 363                                                                                  | 973                                                   | 2, 527, 984                           | 5, 757, 150  | 8, 368, 280  | 16, 211, 895 |
| Ohio.....               | 2, 354                                    | 2, 917           | 2, 895                                                                                   | 22                                                    | 390, 101                              | 1, 083, 614  | 2, 404, 492  | 4, 724, 010  |
| Indiana.....            | 870                                       | 1, 331           | 1, 282                                                                                   | 49                                                    | 230, 944                              | 441, 423     | 795, 271     | 1, 746, 183  |
| Illinois.....           | 2, 904                                    | 3, 698           | 3, 623                                                                                   | 75                                                    | 1, 160, 600                           | 2, 210, 373  | 3, 080, 504  | 6, 075, 352  |
| Michigan.....           | 1, 619                                    | 2, 235           | 1, 773                                                                                   | 462                                                   | 525, 616                              | 1, 604, 240  | 2, 102, 686  | 3, 773, 636  |
| Wisconsin.....          | 921                                       | 1, 185           | 820                                                                                      | 365                                                   | 215, 403                              | 517, 600     | 796, 307     | 1, 892, 737  |
| West North Central..... | 2, 671                                    | 3, 655           | 3, 022                                                                                   | 633                                                   | 1, 123, 595                           | 1, 776, 475  | 2, 968, 757  | 4, 549, 284  |
| Minnesota.....          | 516                                       | 659              | 484                                                                                      | 175                                                   | 180, 045                              | 440, 032     | 583, 838     | 843, 357     |
| Iowa.....               | 649                                       | 843              | 632                                                                                      | 211                                                   | 67, 166                               | 614, 309     | 853, 543     | 1, 429, 170  |
| Missouri.....           | 648                                       | 1, 022           | 817                                                                                      | 205                                                   | 232, 820                              | 266, 431     | 700, 642     | 891, 179     |
| North Dakota.....       | 56                                        | 104              | 104                                                                                      | -----                                                 | 12, 268                               | 22, 078      | 40, 221      | 59, 409      |
| South Dakota.....       | 70                                        | 99               | 92                                                                                       | 7                                                     | 24, 704                               | 31, 810      | 61, 524      | 90, 407      |
| Nebraska.....           | 250                                       | 349              | 329                                                                                      | 20                                                    | 50, 300                               | 129, 531     | 245, 919     | 405, 056     |
| Kansas.....             | 482                                       | 579              | 564                                                                                      | 15                                                    | 133, 253                              | 269, 084     | 473, 070     | 830, 065     |
| South Atlantic.....     | 4, 394                                    | 6, 130           | 3, 295                                                                                   | 2, 835                                                | 729, 896                              | 1, 745, 295  | 3, 789, 434  | 8, 445, 217  |
| Delaware.....           | 695                                       | 1, 227           | 825                                                                                      | 402                                                   | 118, 035                              | 326, 440     | 622, 359     | 1, 102, 188  |
| Maryland.....           |                                           |                  |                                                                                          |                                                       |                                       |              |              |              |
| Dist. of Columbia.....  |                                           |                  |                                                                                          |                                                       |                                       |              |              |              |
| Virginia.....           | 502                                       | 568              | 438                                                                                      | 130                                                   | 28, 724                               | 107, 581     | 319, 206     | 973, 700     |
| West Virginia.....      | 755                                       | 781              | 648                                                                                      | 83                                                    | 42, 345                               | 204, 108     | 1, 190, 378  | 1, 902, 820  |
| North Carolina.....     | 773                                       | 1, 381           | 476                                                                                      | 905                                                   | 70, 552                               | 371, 711     | 404, 428     | 2, 036, 122  |
| South Carolina.....     | 700                                       | 940              | 199                                                                                      | 741                                                   | 350, 772                              | 500, 431     | 844, 417     | 1, 116, 207  |
| Georgia.....            | 609                                       | 748              | 196                                                                                      | 552                                                   | 87, 572                               | 184, 136     | 268, 256     | 746, 074     |
| Florida.....            | 360                                       | 535              | 513                                                                                      | 22                                                    | 25, 890                               | 50, 858      | 131, 390     | 557, 980     |
| East South Central..... | 1, 447                                    | 2, 051           | 1, 026                                                                                   | 1, 025                                                | 227, 665                              | 1, 048, 615  | 1, 419, 834  | 2, 777, 268  |
| Kentucky.....           | 395                                       | 455              | 314                                                                                      | 141                                                   | 75, 593                               | 122, 631     | 231, 507     | 506, 564     |
| Tennessee.....          | 456                                       | 579              | 289                                                                                      | 290                                                   | 75, 545                               | 564, 914     | 492, 507     | 938, 874     |
| Alabama.....            | 508                                       | 926              | 332                                                                                      | 594                                                   | 48, 603                               | 330, 772     | 633, 883     | 1, 270, 160  |
| Mississippi.....        | 88                                        | 91               | 91                                                                                       | -----                                                 | 27, 924                               | 30, 468      | 61, 937      | 64, 071      |
| West South Central..... | 1, 563                                    | 2, 472           | 2, 351                                                                                   | 181                                                   | 233, 945                              | 482, 646     | 1, 041, 393  | 3, 275, 021  |
| Arkansas.....           | 131                                       | 207              | 118                                                                                      | 89                                                    | 17, 787                               | 38, 045      | 84, 469      | 174, 108     |
| Louisiana.....          | 277                                       | 467              | 467                                                                                      | -----                                                 | 18, 328                               | 26, 009      | 52, 150      | 634, 594     |
| Oklahoma.....           | 300                                       | 471              | 468                                                                                      | 3                                                     | 48, 824                               | 100, 738     | 242, 509     | 654, 513     |
| Texas.....              | 855                                       | 1, 327           | 1, 298                                                                                   | 29                                                    | 149, 009                              | 317, 254     | 662, 259     | 1, 811, 716  |
| Mountain.....           | 1, 406                                    | 1, 675           | 573                                                                                      | 1, 103                                                | 845, 394                              | 2, 036, 195  | 2, 209, 444  | 3, 899, 551  |
| Montana.....            | 378                                       | 452              | 28                                                                                       | 424                                                   | 379, 213                              | 965, 454     | 988, 009     | 1, 398, 740  |
| Idaho.....              | 307                                       | 308              | 5                                                                                        | 303                                                   | 115, 512                              | 145, 308     | 581, 134     | 713, 214     |
| Wyoming.....            | 48                                        | 50               | 47                                                                                       | 3                                                     | 11, 580                               | 27, 391      | 38, 736      | 67, 070      |
| Colorado.....           | 269                                       | 311              | 220                                                                                      | 91                                                    | 165, 196                              | 274, 224     | 290, 082     | 490, 506     |
| New Mexico.....         | 33                                        | ( <sup>2</sup> ) | ( <sup>2</sup> )                                                                         | ( <sup>2</sup> )                                      | 8, 028                                | 17, 245      | 32, 362      | 32, 674      |
| Arizona.....            | 153                                       | 1, 333           | 1, 205                                                                                   | 128                                                   | 32, 960                               | 65, 732      | 147, 391     | 280, 267     |
| Utah.....               | 190                                       | 201              | 61                                                                                       | 140                                                   | 86, 635                               | 486, 995     | 145, 337     | 340, 873     |
| Nevada.....             | 19                                        | 20               | 6                                                                                        | 14                                                    | 44, 970                               | 53, 846      | 45, 393      | 57, 187      |
| Pacific.....            | 3, 937                                    | 5, 665           | 2, 104                                                                                   | 3, 561                                                | 1, 877, 693                           | 3, 096, 825  | 5, 758, 928  | 10, 008, 324 |
| Washington.....         | 845                                       | 1, 230           | 304                                                                                      | 826                                                   | 71, 415                               | 1, 144, 069  | 2, 105, 289  | 2, 105, 289  |
| Oregon.....             | 308                                       | 537              | 260                                                                                      | 277                                                   | 58, 789                               | 107, 887     | 260, 861     | 840, 063     |
| California.....         | 2, 781                                    | 3, 898           | 1, 540                                                                                   | 2, 358                                                | 1, 747, 459                           | 2, 746, 567  | 4, 347, 998  | 7, 060, 973  |

<sup>1</sup> Rhode Island included with Vermont.<sup>2</sup> West Virginia included with Delaware, District of Columbia, and Maryland.

## COMMERCIAL AND MUNICIPAL ESTABLISHMENTS, BY STATES

to Table 399]

| Thousands of kilowatt-hours generated—Continued |                                 |                                | Thousands of kilowatt-hours sold, 1932 |            | Revenue (in thousands of dollars), 1932             |                                       | Division and State  |
|-------------------------------------------------|---------------------------------|--------------------------------|----------------------------------------|------------|-----------------------------------------------------|---------------------------------------|---------------------|
| 1932                                            | Commercial establishments, 1932 | Municipal establishments, 1932 | To ultimate consumers                  | For resale | From sale of electric current to ultimate consumers | From electric current sold for resale |                     |
| 79,657,467                                      | 75,692,666                      | 3,964,799                      | 65,895,876                             | 22,369,097 | 1,821,106                                           | 154,198                               | Continental U.S.    |
| 5,330,234                                       | 5,224,337                       | 106,897                        | 4,487,981                              | 3,632,230  | 165,042                                             | 27,766                                | New England.        |
| 762,112                                         | 765,343                         | 3,769                          | 624,686                                | 53,011     | 12,326                                              | 507                                   | Maine.              |
| 680,007                                         | 678,643                         | 1,963                          | 207,198                                | 514,453    | 7,921                                               | 4,118                                 | New Hampshire.      |
| 1,811,459                                       | 1,795,902                       | 15,558                         | 1,545,301                              | 1,636,663  | 19,209                                              | 14,340                                | Vermont.            |
| 2,158,486                                       | 2,085,461                       | 73,025                         | 2,194,464                              | 2,094,556  | 82,785                                              | 15,016                                | Massachusetts.      |
| (1)                                             | (1)                             | (1)                            | (1)                                    | (1)        | (1)                                                 | (1)                                   | Rhode Island.       |
| 917,571                                         | 905,988                         | 11,582                         | 916,311                                | 333,547    | 32,801                                              | 3,776                                 | Connecticut.        |
| 30,340,795                                      | 30,177,114                      | 163,681                        | 18,126,798                             | 3,840,416  | 540,953                                             | 18,836                                | Middle Atlantic.    |
| 10,976,564                                      | 10,874,359                      | 102,204                        | 9,337,071                              | 1,531,496  | 285,089                                             | 6,866                                 | New York.           |
| 2,090,679                                       | 2,078,793                       | 11,886                         | 2,141,050                              | 324,712    | 85,383                                              | 979                                   | New Jersey.         |
| 6,373,552                                       | 6,323,962                       | 49,591                         | 6,648,878                              | 1,984,208  | 170,611                                             | 11,491                                | Pennsylvania.       |
| 18,106,043                                      | 17,031,475                      | 1,074,598                      | 14,894,151                             | 6,662,397  | 413,047                                             | 48,016                                | East North Central. |
| 4,808,954                                       | 4,869,663                       | 299,290                        | 3,996,804                              | 1,188,523  | 110,417                                             | 8,003                                 | Ohio.               |
| 2,422,940                                       | 2,247,557                       | 175,383                        | 1,439,080                              | 1,473,384  | 45,461                                              | 11,342                                | Indiana.            |
| 5,446,743                                       | 5,240,302                       | 206,441                        | 5,241,428                              | 3,127,590  | 138,562                                             | 21,639                                | Illinois.           |
| 3,532,623                                       | 3,203,684                       | 328,939                        | 2,901,927                              | 207,036    | 70,476                                              | 9,215                                 | Michigan.           |
| 1,834,784                                       | 1,770,269                       | 64,515                         | 1,314,912                              | 656,866    | 42,141                                              | 5,216                                 | Wisconsin.          |
| 5,357,897                                       | 4,825,708                       | 532,179                        | 4,754,347                              | 1,112,566  | 155,135                                             | 10,525                                | West North Central. |
| 995,182                                         | 915,139                         | 80,044                         | 1,001,878                              | 107,543    | 33,152                                              | 1,694                                 | Minnesota.          |
| 1,483,096                                       | 1,402,843                       | 80,253                         | 740,899                                | 208,597    | 28,436                                              | 2,527                                 | Iowa.               |
| 1,214,488                                       | 1,132,544                       | 81,945                         | 1,766,384                              | 562,855    | 47,429                                              | 3,334                                 | Missouri.           |
| 140,316                                         | 133,403                         | 6,913                          | 79,088                                 | 14,245     | 4,749                                               | 138                                   | North Dakota.       |
| 87,402                                          | 87,072                          | 20,330                         | 96,845                                 | 13,502     | 5,621                                               | 285                                   | South Dakota.       |
| 561,795                                         | 489,126                         | 72,669                         | 438,224                                | 100,218    | 15,262                                              | 1,262                                 | Nebraska.           |
| 875,007                                         | 885,582                         | 190,025                        | 631,029                                | 105,637    | 20,586                                              | 1,285                                 | Kansas.             |
| 9,468,694                                       | 9,181,866                       | 286,829                        | 6,750,375                              | 2,637,718  | 161,092                                             | 19,141                                | South Atlantic.     |
| 2,231,617                                       | 2,211,778                       | 19,839                         | 2,464,156                              | 1,070,274  | 58,325                                              | 7,513                                 | Delaware.           |
| 962,318                                         | 912,084                         | 50,234                         | 814,387                                | 81,447     | 21,812                                              | 480                                   | Maryland.           |
| 1,442,443                                       | 1,442,305                       | 138                            | (2)                                    | (2)        | (2)                                                 | (2)                                   | Dist. of Columbia.  |
| 1,651,235                                       | 1,006,387                       | 41,847                         | 1,288,397                              | 922,851    | 25,030                                              | 6,211                                 | Virginia.           |
| 1,294,833                                       | 1,293,920                       | 964                            | 763,879                                | 466,152    | 13,182                                              | 737                                   | West Virginia.      |
| 1,299,290                                       | 1,267,166                       | 12,124                         | 958,742                                | 56,615     | 21,978                                              | 3,745                                 | North Carolina.     |
| 606,909                                         | 405,225                         | 141,683                        | 460,815                                | 40,380     | 20,765                                              | 456                                   | South Carolina.     |
| 2,993,770                                       | 2,914,804                       | 79,166                         | 2,890,544                              | 738,803    | 65,156                                              | 5,111                                 | Georgia.            |
| 681,047                                         | 660,942                         | 21,005                         | 626,734                                | 240,139    | 19,716                                              | 1,620                                 | Florida.            |
| 1,050,405                                       | 1,022,065                       | 28,340                         | 1,054,271                              | 33,670     | 20,365                                              | 260                                   | East South Central. |
| 1,209,646                                       | 1,207,681                       | 1,965                          | 1,010,552                              | 457,405    | 17,527                                              | 3,280                                 | Kentucky.           |
| 51,773                                          | 23,916                          | 27,866                         | 198,988                                | 2,589      | 7,648                                               | 51                                    | Tennessee.          |
| 4,308,481                                       | 4,111,943                       | 196,548                        | 3,463,757                              | 1,057,048  | 101,467                                             | 7,808                                 | Alabama.            |
| 155,020                                         | 137,266                         | 17,754                         | 253,022                                | 59,037     | 9,857                                               | 849                                   | Mississippi.        |
| 1,171,951                                       | 1,125,884                       | 46,087                         | 639,769                                | 518,579    | 17,053                                              | 2,907                                 | West South Central. |
| 725,488                                         | 669,054                         | 56,434                         | 610,265                                | 108,882    | 19,781                                              | 1,103                                 | Arkansas.           |
| 2,256,031                                       | 2,170,768                       | 76,273                         | 1,930,701                              | 370,551    | 55,276                                              | 2,649                                 | Louisiana.          |
| 2,346,832                                       | 2,266,346                       | 80,487                         | 1,958,421                              | 368,173    | 52,302                                              | 3,032                                 | Oklahoma.           |
| 635,520                                         | 635,166                         | 355                            | 901,460                                | 16,133     | 17,801                                              | 245                                   | Texas.              |
| 473,290                                         | 458,052                         | 15,238                         | 296,091                                | 211,520    | 6,202                                               | 1,070                                 | Mountain.           |
| 74,697                                          | 73,581                          | 1,016                          | 62,070                                 | 6,705      | 2,820                                               | 180                                   | Montana.            |
| 437,330                                         | 394,157                         | 43,173                         | 345,608                                | 25,414     | 14,154                                              | 411                                   | Idaho.              |
| (1)                                             | (1)                             | (1)                            | (1)                                    | (1)        | (1)                                                 | (1)                                   | Wyoming.            |
| 412,016                                         | 411,461                         | 1,155                          | 286,987                                | 100,200    | 8,952                                               | 1,078                                 | Colorado.           |
| 275,846                                         | 255,495                         | 19,350                         | (2)                                    | (2)        | (2)                                                 | (2)                                   | New Mexico.         |
| 37,634                                          | 37,433                          | 200                            | 86,205                                 | 3,200      | 2,373                                               | 48                                    | Arizona.            |
| 11,414,720                                      | 9,949,276                       | 1,465,444                      | 8,569,621                              | 2,339,714  | 176,882                                             | 13,974                                | Utah.               |
| 2,544,767                                       | 1,979,090                       | 565,677                        | 1,835,963                              | 635,572    | 23,904                                              | 2,874                                 | Nevada.             |
| 968,614                                         | 929,935                         | 38,679                         | 742,723                                | 78,017     | 15,712                                              | 705                                   | Pacific.            |
| 7,901,339                                       | 7,040,251                       | 861,088                        | 5,990,934                              | 1,726,126  | 132,266                                             | 10,395                                | Washington.         |
|                                                 |                                 |                                |                                        |            |                                                     |                                       | Oregon.             |
|                                                 |                                 |                                |                                        |            |                                                     |                                       | California.         |

\* Utah included with Montana.

\* New Mexico included with Arizona.

Source: Bureau of the Census, Department of Commerce.

# No. 399.—CENTRAL ELECTRIC STATIONS: EQUIPMENT, EMPLOYEES, OUTPUT AND SALES

NOTE.—A central electric station, commercial or municipal, is one either generating and selling electrical energy, or selling only, to public or private consumers. Figures do not include establishments which consume all current generated, such as mines, factories, hotels, and other enterprises not in the nature of public utilities, nor plants operated by the Federal Government or by States unless energy is sold commercially. No data are included for electric-railway power plants unless part of the current generated is sold. There is considerable duplication in total sales, since they include energy sold for resale. Amount sold is considerably less than current generated due to line losses, etc.

|                                             | All central electric stations |                  |                  |          |                  |                  |
|---------------------------------------------|-------------------------------|------------------|------------------|----------|------------------|------------------|
|                                             | 1902                          | 1912             | 1917             | 1922     | 1927             | 1932             |
| Number of establishments <sup>1</sup> ..... | 3, 620                        | 5, 221           | 6, 542           | 6, 365   | 4, 335           | 3, 420           |
| Prime movers, horsepower.....thousands..    | 1, 845                        | 7, 530           | 12, 937          | 19, 851  | 35, 710          | 47, 967          |
| Steam engines.....                          | 1, 394                        | 1, 895           | 1, 702           | 1, 371   | 994              | 650              |
| Steam turbines.....                         |                               | 3, 054           | 6, 747           | 12, 355  | 24, 323          | 32, 904          |
| Water wheels and hydroturbines.....         | 439                           | 2, 459           | 4, 277           | 5, 822   | 9, 844           | 13, 632          |
| Internal-combustion engines.....            | 12                            | 111              | 210              | 303      | 548              | 881              |
| Generators:                                 |                               |                  |                  |          |                  |                  |
| Number.....                                 | 12, 484                       | 12, 610          | 13, 428          | 12, 701  | 11, 067          | 11, 111          |
| Kilowatt capacity.....thousands..           | 1, 212                        | 5, 165           | 8, 994           | 14, 313  | 25, 811          | 34, 623          |
| Output.....millions of kilowatt-hours..     |                               | 14, 183          | 31, 044          | 60, 274  | 96, 829          | 111, 716         |
| Generated.....                              | 2, 507                        | 11, 569          | 25, 438          | 40, 292  | 74, 687          | 70, 657          |
| Purchased.....                              | ( <sup>2</sup> )              | 2, 614           | 5, 606           | 9, 983   | 22, 142          | 32, 050          |
| Sold.....                                   | ( <sup>2</sup> )              | ( <sup>2</sup> ) | 25, 752          | 41, 965  | 79, 011          | 88, 265          |
| To ultimate consumers.....                  | ( <sup>2</sup> )              | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 32, 943  | 63, 612          | 65, 896          |
| For resale.....                             | ( <sup>2</sup> )              | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 9, 017   | 15, 399          | 22, 369          |
| Number of customers.....thousands..         | ( <sup>2</sup> )              | 3, 838           | 7, 179           | 12, 710  | 21, 790          | 23, 802          |
| Salaries employees.....number.....          | 6, 996                        | 26, 093          | 35, 406          | 55, 112  | 101, 415         | 110, 453         |
| Salaries.....1,000 dollars.....             | 5, 664                        | 24, 307          | 36, 788          | 86, 951  | ( <sup>3</sup> ) | ( <sup>4</sup> ) |
| Wage earners.....number.....                | 23, 330                       | 53, 242          | 70, 135          | 95, 050  | 149, 605         | 134, 120         |
| Wages.....1,000 dollars.....                | 14, 083                       | 36, 855          | 58, 454          | 125, 481 | ( <sup>3</sup> ) | ( <sup>4</sup> ) |

<sup>1</sup> The term "establishment" as here used may represent a single electric station (either generating or distributing or both) or a number of such stations operated under the same ownership.

<sup>2</sup> Figures not available.

<sup>3</sup> Salaries and wages were not reported for 1927 by municipal plants. Commercial plants reported 95,017 salaried employees, with salaries amounting to \$166,341,000, and 138,796 wage earners, with wages amounting to \$201,291,000.

<sup>4</sup> Schedule did not call for segregation of salaries and wages. The total amount reported was \$323,880,000, of which \$303,058,000 was reported by commercial establishments and \$20,822,000 by municipal.

<sup>5</sup> Average number for the year.

<sup>6</sup> Number Sept. 15, 1912; Sept. 29, 1917; June 30, 1922, 1927, and 1932, or nearest representative day.

# No. 400.—CENTRAL ELECTRIC STATIONS: EQUIPMENT, EMPLOYEES, AND FINANCES OF COMMERCIAL AND MUNICIPAL ESTABLISHMENTS

NOTE.—See headnote to table 399

|                                                  | Commercial establishments |             |              |              | Municipal establishments |          |                  |          |
|--------------------------------------------------|---------------------------|-------------|--------------|--------------|--------------------------|----------|------------------|----------|
|                                                  | 1917                      | 1922        | 1927         | 1932         | 1917                     | 1922     | 1927             | 1932     |
| Number of establishments.....                    | 4, 224                    | 3, 774      | 2, 137       | 1, 627       | 2, 31                    | 2, 581   | 2, 198           | 1, 802   |
| Horsepower of prime movers.....thousands..       | 12, 078                   | 13, 571     | 33, 061      | 45, 191      | 859                      | 1, 280   | 2, 049           | 2, 776   |
| Capacity of generators.....thousands of kw..     | 8, 412                    | 13, 407     | 24, 333      | 32, 948      | 592                      | 906      | 1, 428           | 1, 975   |
| Output, millions of kw.-hrs. Generated.....      | 29, 812                   | 47, 833     | 92, 299      | 105, 329     | 1, 232                   | 2, 441   | 4, 528           | 5, 337   |
| Generated.....                                   | 24, 399                   | 38, 413     | 71, 307      | 75, 692      | 1, 039                   | 1, 878   | 3, 379           | 3, 965   |
| Purchased.....                                   | 5, 413                    | 9, 420      | 20, 992      | 30, 637      | 193                      | 563      | 1, 150           | 1, 422   |
| Sold.....                                        |                           |             |              |              |                          |          |                  |          |
| To ultimate consumers.....                       | 24, 723                   | 30, 941     | 60, 537      | 62, 148      | 1, 029                   | 2, 007   | 3, 075           | 3, 748   |
| For resale.....                                  |                           | 8, 971      | 14, 808      | 21, 789      |                          | 45       | 591              | 580      |
| Customers.....thousands..                        | 5, 202                    | 11, 065     | 19, 661      | 21, 634      | 977                      | 1, 645   | 2, 120           | 2, 228   |
| Employees.....number.....                        | 94, 679                   | 136, 105    | 234, 747     | 225, 557     | 10, 862                  | 14, 667  | 16, 273          | 19, 016  |
| Income.....1,000 dollars.....                    | 486, 034                  | 986, 684    | 1, 841, 227  | 2, 030, 997  | 40, 260                  | 85, 436  | 122, 437         | 126, 298 |
| Expenses.....do.....                             | 395, 127                  | 792, 496    | 1, 318, 255  | 1, 477, 139  | 31, 441                  | 67, 129  | ( <sup>4</sup> ) | 89, 217  |
| Assets.....do.....                               | 3, 631, 973               | 5, 504, 614 | 12, 950, 388 | 17, 032, 540 | 148, 345                 | 288, 623 | ( <sup>4</sup> ) | 710, 143 |
| Value of plant and equipment.....1,000 dollars.. | 2, 933, 017               | 4, 229, 356 | 8, 880, 291  | 12, 124, 807 | 127, 375                 | 235, 660 | 417, 167         | 539, 570 |

<sup>1</sup> Includes net income from utilities other than electric and nonoperating income.

<sup>2</sup> Operating revenues only.

<sup>3</sup> Includes other deductions from gross income.

<sup>4</sup> Not called for on schedule.

<sup>5</sup> Includes plant and equipment valued at \$902,057,000, not separated as to electric light and power and other properties.

<sup>6</sup> Reported as fixed capital.

Source of tables 399 and 400: Bureau of the Census, Department of Commerce.

## No. 401.—CENTRAL ELECTRIC STATIONS: FINANCIAL STATISTICS

[All figures in thousands of dollars. See headnote to table 399]

|                                                 | Commercial establishments |         |         |         |                  |                  | Municipal establishments |
|-------------------------------------------------|---------------------------|---------|---------|---------|------------------|------------------|--------------------------|
|                                                 | 1902                      | 1912    | 1917    | 1922    | 1927             | 1932             | 1932                     |
| <b>INCOME ACCOUNT</b>                           |                           |         |         |         |                  |                  |                          |
| Income, total.....                              | 78,736                    | 279,064 | 486,634 | 986,684 | 1,841,227        | 12,080,997       | 126,298                  |
| Electric service, total.....                    | 77,350                    | 264,476 | 462,474 | 938,852 | 1,680,218        | 11,854,110       | 121,194                  |
| Commercial and domestic light and power.....    | 57,195                    | 205,974 | 373,280 | 773,111 | 1,424,998        | 11,670,197       | 107,103                  |
| Municipal lighting.....                         | 16,130                    | 27,181  | 81,462  | 40,854  | 66,141           | 81,795           | 10,216                   |
| Sales to other public service corporations..... | 4,025                     | 30,857  | 57,207  | 122,321 | 189,079          | 196,118          | 3,876                    |
| Value of free service.....                      | ( <sup>6</sup> )          | 513     | 525     | 566     | ( <sup>6</sup> ) | ( <sup>6</sup> ) | ( <sup>6</sup> )         |
| Interest and dividends from investments.....    | ( <sup>6</sup> )          | 4,869   | 8,807   | 16,527  | 53,959           | 61,060           | 692                      |
| Other sources.....                              | 1,386                     | 9,710   | 15,353  | 33,305  | 1107,050         | 1115,827         | 14,412                   |
| Expenses, total.....                            | 62,835                    | 217,680 | 395,127 | 792,496 | 1,318,255        | 17,477,139       | 89,217                   |
| Fuel.....                                       | 10,190                    | 30,502  | 78,286  | 146,323 | 157,912          | 102,560          | 9,823                    |
| Current purchased.....                          | 2,007                     | 16,913  | 36,733  | 79,637  | 143,711          | 101,121          | 17,779                   |
| Supplies, materials, and miscellaneous.....     | 14,751                    | 27,565  | 48,118  | 80,492  | 121,529          | 209,730          | 20,908                   |
| Rent of offices, conduits, etc.....             | 1,272                     | 4,214   | 9,881   | 18,026  | ( <sup>6</sup> ) | ( <sup>6</sup> ) | ( <sup>6</sup> )         |
| Salaries and wages.....                         | 18,767                    | 55,659  | 86,473  | 104,148 | 367,632          | 303,058          | 20,822                   |
| Taxes.....                                      | 2,655                     | 13,117  | 29,897  | 73,128  | 160,255          | 203,858          | 1,292                    |
| Injuries, damages, insurance.....               | 1,074                     | 3,316   | 5,145   | 10,209  | ( <sup>6</sup> ) | ( <sup>6</sup> ) | ( <sup>6</sup> )         |
| Interest.....                                   | 12,119                    | 45,865  | 71,145  | 125,590 | 269,602          | 354,165          | 7,193                    |
| Depreciation.....                               | ( <sup>6</sup> )          | 17,989  | 26,292  | 59,273  | 107,616          | 142,647          | 11,400                   |
| Sinking and reserve funds.....                  | ( <sup>6</sup> )          | 1,520   | 4,157   | 5,004   | ( <sup>6</sup> ) | ( <sup>6</sup> ) | ( <sup>6</sup> )         |

<sup>1</sup> Includes net income from utilities other than electric and nonoperating income.<sup>2</sup> Includes revenue for farm service, \$41,875,000; domestic service, \$584,995,000; small light and power (retail), \$459,441,000; large light and power (wholesale), \$475,739,000; and other service, \$14,145,000.<sup>3</sup> Includes revenue for farm service, \$899,000; domestic service, \$54,769,000; small light and power (retail), \$32,412,000; large light and power (wholesale), \$7,652,000; and other service, \$1,371,000.<sup>4</sup> Includes revenue for street and interurban railways, \$38,297,000; electrified steam-railroad divisions, \$7,015,000; and total for resale, \$150,806,000.<sup>5</sup> Includes revenue for street and interurban railways, \$480,000; electrified steam-railroad divisions, \$3,000; and total for resale, \$3,393,000.<sup>6</sup> Not called for on schedule.<sup>7</sup> Includes other deductions from gross income.<sup>8</sup> No comparable data.

## No. 402.—ELECTRIC LIGHT AND POWER INDUSTRY: REPORTS TO THE EDISON ELECTRIC INSTITUTE

|                                                     | 1926      | 1930      | 1932      | 1933      | 1934      | 1935      |
|-----------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Current generated.....million kilowatt-hours.....   | 67,990    | 89,592    | 78,886    | 79,259    | 84,831    | 92,322    |
| Sales to ultimate consumers.....do.....             | 56,089    | 74,908    | 63,784    | 65,754    | 70,782    | 77,555    |
| Domestic service, incl. nonirrigated farms.....     | 6,827     | 11,018    | 11,987    | 11,960    | 12,708    | 13,978    |
| Commercial, small light and power (retail).....     | 9,485     | 13,944    | 12,932    | 12,475    | 13,151    | 14,222    |
| Commercial, large light and power (wholesale).....  | 32,615    | 41,621    | 31,186    | 33,722    | 35,919    | 41,162    |
| All other.....                                      | 7,163     | 8,323     | 7,659     | 7,596     | 7,915     | 8,193     |
| Revenue from ultimate consumers, 1,000 dollars..... | 1,520,159 | 1,990,955 | 1,832,596 | 1,773,418 | 1,837,048 | 1,921,077 |
| Domestic service, incl. nonirrigated farms.....     | 478,182   | 654,441   | 609,200   | 656,670   | 677,697   | 702,662   |
| Commercial, small light and power (retail).....     | 427,407   | 573,598   | 528,861   | 499,684   | 511,682   | 538,394   |
| Commercial, large light and power (wholesale).....  | 468,915   | 599,892   | 470,451   | 465,191   | 495,657   | 528,948   |
| All other.....                                      | 125,655   | 159,924   | 158,084   | 151,970   | 152,010   | 151,052   |
| Customers, average for year.....thousands.....      | 19,448    | 24,351    | 24,232    | 24,087    | 24,568    | 25,112    |
| Domestic, including nonirrigated farms.....         | 15,992    | 20,149    | 19,955    | 19,800    | 20,266    | 20,779    |
| Commercial, small light and power (retail).....     | 3,041     | 3,613     | 3,707     | 3,671     | 3,706     | 3,759     |
| Commercial, large light and power (wholesale).....  | 883       | 541       | 555       | 529       | 527       | 504       |
| All other.....                                      | 33        | 48        | 65        | 67        | 63        | 70        |

Sources: Table 401, Bureau of the Census, Department of Commerce; table 402, Edison Electric Institute.



**No. 403.—CENTRAL ELECTRIC STATIONS, COMMERCIAL AND MUNICIPAL ESTABLISHMENTS: NUMBER OF CUSTOMERS, CURRENT SOLD, AND REVENUE (ULTIMATE CONSUMERS ONLY), BY CLASS OF SERVICE, 1932**

| Class of service                          | Total               | Commer-<br>cial | Municipal | Total                                      | Commer-<br>cial | Municipal |
|-------------------------------------------|---------------------|-----------------|-----------|--------------------------------------------|-----------------|-----------|
|                                           | Number of customers |                 |           | Current sold (thousands of kilowatt-hours) |                 |           |
| <b>Total</b> .....                        | 33,858,411          | 21,630,662      | 2,227,749 | 65,896,976                                 | 62,147,695      | 3,749,281 |
| Farm service (all uses).....              | 612,753             | 592,692         | 21,061    | 1,504,257                                  | 1,488,106       | 16,151    |
| Domestic service.....                     | 19,285,560          | 17,337,876      | 1,947,684 | 11,790,140                                 | 10,410,750      | 1,379,390 |
| Commercial service:                       |                     |                 |           |                                            |                 |           |
| Small light and power (retail).....       | 3,527,794           | 3,284,326       | 243,468   | 12,050,464                                 | 10,763,768      | 1,286,696 |
| Large light and power (wholesale).....    | 379,402             | 365,038         | 14,364    | 32,380,070                                 | 31,931,213      | 448,857   |
| Municipal street lighting.....            | 29,832              | 28,997          | 835       | 2,235,668                                  | 1,740,288       | 495,380   |
| Railroads (motive power):                 |                     |                 |           |                                            |                 |           |
| Street and interurban.....                | 474                 | 454             | 20        | 4,392,943                                  | 4,348,207       | 44,736    |
| Electrified steam railroad divisions..... | 367                 | 363             | 4         | 762,205                                    | 762,115         | 80        |
| Other service.....                        | 21,220              | 20,916          | 313       | 771,223                                    | 697,248         | 103,975   |
| <b>Total</b> .....                        | 2,762               | 2,873           | 1,683     | 1,821,106                                  | 1,703,304       | 117,802   |
| Farm service (all uses).....              | 2,451               | 2,511           | 767       | 42,774                                     | 41,875          | 899       |
| Domestic service.....                     | 611                 | 600             | 708       | 949,765                                    | 584,995         | 64,770    |
| Commercial service:                       |                     |                 |           |                                            |                 |           |
| Small light and power (retail).....       | 3,418               | 3,286           | 5,199     | 491,852                                    | 459,441         | 32,411    |
| Large light and power (wholesale).....    | 85,345              | 87,474          | 31,249    | 483,391                                    | 476,739         | 7,652     |
| Municipal street lighting.....            | 74,942              | 60,223          | 586,084   | 92,011                                     | 81,795          | 10,216    |
| Railroads (motive power):                 |                     |                 |           |                                            |                 |           |
| Street and interurban.....                | 9,267,813           | 9,577,550       | 2,236,782 | 38,777                                     | 38,297          | 480       |
| Electrified steam railroad divisions..... | 2,070,852           | 2,090,491       | 22,379    | 7,019                                      | 7,016           | 3         |
| Other service.....                        | 36,320              | 31,901          | 332,187   | 15,517                                     | 14,146          | 1,371     |
| <b>Total</b> .....                        | 76                  | 79              | 53        | 2.8                                        | 2.7             | 3.1       |
| Farm service (all uses).....              | 70                  | 71              | 43        | 2.8                                        | 2.8             | 5.6       |
| Domestic service.....                     | 34                  | 34              | 33        | 5.5                                        | 5.6             | 4.7       |
| Commercial service:                       |                     |                 |           |                                            |                 |           |
| Small light and power (retail).....       | 139                 | 140             | 133       | 4.1                                        | 4.3             | 2.6       |
| Large light and power (wholesale).....    | 1,274               | 1,303           | 532       | 1.5                                        | 1.5             | 1.7       |
| Municipal street lighting.....            | 3,084               | 2,821           | 12,234    | 4.1                                        | 4.7             | 2.1       |
| Railroads (motive power):                 |                     |                 |           |                                            |                 |           |
| Street and interurban.....                | 81,808              | 84,354          | 24,014    | .9                                         | .9              | 1.1       |
| Electrified steam railroad divisions..... | 19,124              | 19,329          | 764       | .9                                         | .9              | 3.5       |
| Other service.....                        | 781                 | 676             | 4,381     | 2.0                                        | 2.1             | 1.3       |

Source: Bureau of the Census, Department of Commerce.

**No. 404.—TOTAL NET MONTHLY PRICE OF SPECIFIED AMOUNTS OF ELECTRICITY: BASED ON RATES AS OF NOV. 15, 1934, AND JAN. 15, 1936, BY CITIES**

[P=Private utility; M=Municipal plant; prices are based on average consumption for a 5-room house]

|                  | Nov. 15, 1934                 |             |                                       |                                               | Jan. 15, 1936                 |             |                                       |                                               |
|------------------|-------------------------------|-------------|---------------------------------------|-----------------------------------------------|-------------------------------|-------------|---------------------------------------|-----------------------------------------------|
|                  | Lighting and small appliances |             | Lighting, appliances and refrigerator | Lighting, appliances, refrigerator, and range | Lighting and small appliances |             | Lighting, appliances and refrigerator | Lighting, appliances, refrigerator, and range |
|                  | 25 kw.-hrs.                   | 40 kw.-hrs. | 100 kw.-hrs.                          | 250 kw.-hrs.                                  | 25 kw.-hrs.                   | 40 kw.-hrs. | 100 kw.-hrs.                          | 250 kw.-hrs.                                  |
| Atlanta:         |                               |             |                                       |                                               |                               |             |                                       |                                               |
| Immediate.....P  | \$1.62                        | \$2.37      | \$4.67                                | \$8.32                                        | \$1.62                        | \$2.37      | \$4.57                                | \$8.32                                        |
| Inducement.....P | 1.45                          | 2.12        | 3.95                                  | 6.57                                          | 1.45                          | 2.12        | 3.95                                  | 6.57                                          |
| Baltimore.....P  | 1.25                          | 2.00        | 4.18                                  | 8.98                                          | 1.25                          | 2.00        | 4.18                                  | 8.98                                          |
| Birmingham:      |                               |             |                                       |                                               |                               |             |                                       |                                               |
| Immediate.....P  | 1.55                          | 2.30        | 4.05                                  | 7.80                                          | 1.45                          | 2.20        | 3.95                                  | 7.50                                          |
| Objective.....P  |                               |             |                                       |                                               | .98                           | 1.56        | 3.20                                  | 6.95                                          |
| Boston.....P     | 1.65                          | 2.40        | 5.20                                  | 9.70                                          | 1.55                          | 2.30        | 5.10                                  | 9.50                                          |
| Bridgeport.....P | 1.31                          | 2.10        | 5.25                                  | 10.90                                         | 1.31                          | 2.05        | 4.87                                  | 8.90                                          |
| Buffalo.....P    | 1.13                          | 1.70        | 3.06                                  | 5.31                                          | 1.13                          | 1.70        | 3.06                                  | 5.31                                          |

For footnotes see following page.

No. 404.—TOTAL NET MONTHLY PRICE OF SPECIFIED AMOUNTS OF ELECTRICITY, BASED ON RATES AS OF NOV. 15, 1934, AND JAN. 15, 1936, BY CITIES—Continued

|                                                     | Nov. 15, 1934                 |                   |                                       |                                               | Jan. 15, 1936                 |                   |                                       |                                               |
|-----------------------------------------------------|-------------------------------|-------------------|---------------------------------------|-----------------------------------------------|-------------------------------|-------------------|---------------------------------------|-----------------------------------------------|
|                                                     | Lighting and small appliances |                   | Lighting, appliances and refrigerator | Lighting, appliances, refrigerator, and range | Lighting and small appliances |                   | Lighting, appliances and refrigerator | Lighting, appliances, refrigerator, and range |
|                                                     | 25 kw.-hrs.                   | 40 kw.-hrs.       | 100 kw.-hrs.                          | 250 kw.-hrs.                                  | 25 kw.-hrs.                   | 40 kw.-hrs.       | 100 kw.-hrs.                          | 250 kw.-hrs.                                  |
| Butte.....P                                         | \$2.00                        | \$2.60            | \$4.50                                | \$8.00                                        | \$1.55                        | \$2.38            | \$4.43                                | \$7.93                                        |
| Charleston, S. C.:<br>Immediate.....P               | 2.12                          | 3.15              | 5.85                                  | 10.09                                         | 1.90                          | 2.50              | 5.35                                  | 8.85                                          |
| Objective <sup>1</sup> .....P                       |                               |                   |                                       |                                               | 1.50                          | 2.25              | 4.20                                  | 6.82                                          |
| Chicago.....P                                       | 1.51                          | 2.04              | 3.75                                  | 8.02                                          | 1.51                          | 2.04              | 3.75                                  | 8.02                                          |
| Cincinnati.....P                                    | 1.25                          | 1.70              | 3.00                                  | 6.00                                          | 1.13                          | 1.58              | 2.88                                  | 5.88                                          |
| Cleveland.....P                                     | 1.00                          | 1.60              | 4.00                                  | 9.88                                          | 1.00                          | 1.60              | 4.00                                  | 9.88                                          |
| .....M                                              | .88                           | 1.31              | 3.05                                  | 7.40                                          | .88                           | 1.31              | 3.05                                  | 7.40                                          |
| Columbus.....P                                      | 1.25                          | 1.65              | 4.50                                  | 8.50                                          | 1.25                          | 1.65              | 4.50                                  | 8.50                                          |
| .....M                                              | 1.25                          | 2.00              | 4.75                                  | 10.00                                         | 1.00                          | 1.58              | 3.80                                  | 8.30                                          |
| Dallas.....P                                        | 1.38                          | 2.20              | 4.60                                  | 8.40                                          | 1.38                          | 2.20              | 4.60                                  | 8.40                                          |
| Denver.....P                                        | 1.60                          | 2.40              | 4.80                                  | 9.80                                          | <sup>2</sup> 1.53             | <sup>2</sup> 2.45 | <sup>2</sup> 4.90                     | <sup>2</sup> 9.49                             |
| Detroit <sup>2,4</sup> .....P                       | 1.43                          | 1.99              | 3.65                                  | 7.12                                          | 1.43                          | 1.99              | 3.65                                  | 7.12                                          |
| Fall River.....P                                    | 2.00                          | 2.75              | 5.50                                  | 10.25                                         | 1.75                          | 2.60              | 5.20                                  | 9.35                                          |
| Houston.....P                                       | 1.30                          | 1.90              | 4.30                                  | 8.28                                          | 1.30                          | 1.90              | 4.30                                  | 8.28                                          |
| Indianapolis.....P                                  | 1.44                          | 2.30              | 4.80                                  | 8.53                                          | 1.44                          | 2.30              | 4.80                                  | 8.53                                          |
| Jacksonville.....M                                  | 1.75                          | 2.80              | 7.00                                  | 7.95                                          | 1.75                          | 2.70              | 4.95                                  | 7.95                                          |
| Kansas City.....P                                   | 1.63                          | 2.30              | 4.00                                  | 7.75                                          | <sup>4</sup> 1.05             | <sup>4</sup> 2.32 | <sup>4</sup> 4.04                     | <sup>4</sup> 7.83                             |
| Little Rock:<br>Present.....P                       | 2.10                          | 2.90              | 5.10                                  | 9.60                                          | <sup>2</sup> 1.99             | <sup>2</sup> 2.88 | <sup>2</sup> 5.20                     | <sup>2</sup> 8.67                             |
| Centennial <sup>1</sup> .....P                      |                               |                   |                                       |                                               | <sup>2</sup> 1.84             | <sup>2</sup> 2.63 | <sup>2</sup> 5.10                     | <sup>2</sup> 8.67                             |
| Los Angeles.....P                                   | 1.20                          | 1.81              | 3.31                                  | 6.31                                          | 1.20                          | 1.81              | 3.31                                  | 6.31                                          |
| .....P                                              | 1.20                          | 1.81              | 3.31                                  | 6.81                                          | 1.25                          | 2.00              | 5.00                                  | 7.00                                          |
| .....M                                              | 1.20                          | 1.81              | 3.31                                  | 6.31                                          | 1.20                          | 1.81              | 3.31                                  | 6.31                                          |
| Louisville.....P                                    | <sup>4</sup> 1.29             | <sup>4</sup> 2.06 | <sup>4</sup> 3.91                     | <sup>4</sup> 8.55                             | 1.25                          | 2.00              | 3.80                                  | 8.30                                          |
| Manchester.....P                                    | 2.34                          | 3.24              | 5.36                                  | 8.38                                          | 2.00                          | 2.80              | 5.00                                  | 8.00                                          |
| Memphis.....P                                       | 1.38                          | 2.20              | 4.25                                  | 8.75                                          | 1.38                          | 2.20              | 4.25                                  | 8.75                                          |
| Milwaukee.....P                                     | <sup>2</sup> 1.55             | <sup>2</sup> 2.40 | <sup>2</sup> 3.75                     | <sup>2</sup> 7.08                             | 1.41                          | 1.90              | 3.60                                  | 6.48                                          |
| Minneapolis.....P                                   | 1.85                          | 2.33              | 4.04                                  | 7.34                                          | 1.66                          | 2.18              | 3.80                                  | 6.79                                          |
| Mobile:<br>Present.....P                            | 1.55                          | 2.30              | 4.05                                  | 7.00                                          | 1.55                          | 2.30              | 4.05                                  | 7.60                                          |
| Objective <sup>1</sup> .....P                       | 1.45                          | 2.13              | 3.95                                  | 6.58                                          | 1.45                          | 2.13              | 3.95                                  | 6.58                                          |
| Newark.....P                                        | 2.15                          | 3.20              | 5.30                                  | 9.80                                          | 1.92                          | 2.60              | 4.50                                  | 8.75                                          |
| New Haven.....P                                     | 1.31                          | 2.10              | 5.25                                  | 10.90                                         | 1.31                          | 2.05              | 4.87                                  | 8.90                                          |
| New Orleans.....P                                   | 2.13                          | 3.25              | 6.00                                  | 10.75                                         | 1.88                          | 2.85              | 5.50                                  | 10.25                                         |
| New York: <sup>2</sup><br>Bronx <sup>6</sup> .....P |                               |                   |                                       |                                               | 1.80                          | 2.58              | 4.92                                  | 8.26                                          |
| Brooklyn.....P                                      | 1.80                          | 2.55              | 5.55                                  | 13.05                                         | 1.80                          | 2.58              | 4.92                                  | 8.26                                          |
| Manhattan.....P                                     | 1.90                          | 2.55              | 5.55                                  | 13.05                                         | 1.80                          | 2.58              | 4.92                                  | 8.26                                          |
| Queens.....P                                        | 2.13                          | 3.20              | 6.25                                  | 12.75                                         | 1.80                          | 2.58              | 4.92                                  | 8.26                                          |
| .....P                                              |                               |                   |                                       |                                               | 2.17                          | 3.26              | 6.38                                  | 13.01                                         |
| Richmond.....P                                      | 2.15                          | 3.11              | 5.51                                  | 8.91                                          | 2.19                          | 3.17              | 5.62                                  | 9.09                                          |
| Norfolk.....P                                       | 1.63                          | 2.60              | 5.30                                  | 8.25                                          | 1.50                          | 2.25              | 4.80                                  | 7.80                                          |
| Omaha.....P                                         | 1.38                          | 2.20              | 4.25                                  | 8.15                                          | 1.19                          | 1.90              | 3.88                                  | 7.78                                          |
| Peoria.....P                                        | 1.50                          | 2.01              | 3.81                                  | 6.81                                          | 1.50                          | 2.01              | 3.57                                  | 6.32                                          |
| Philadelphia.....P                                  | 1.58                          | 2.40              | 4.45                                  | 8.70                                          | 1.50                          | 2.25              | 4.25                                  | 7.50                                          |
| Pittsburgh.....P                                    | 1.55                          | 2.20              | 4.10                                  | 8.60                                          | 1.25                          | 2.00              | 4.00                                  | 8.50                                          |
| Portland, Maine.....P                               | 1.88                          | 2.63              | 4.73                                  | 7.73                                          | 1.88                          | 2.63              | 4.73                                  | 7.73                                          |
| Portland, Oreg. <sup>6</sup> .....P                 | 1.38                          | 1.95              | 3.39                                  | 6.09                                          | 1.38                          | 1.95              | 3.39                                  | 6.09                                          |
| Providence.....P                                    | 1.93                          | 2.91              | 5.81                                  | 9.84                                          | 1.87                          | 2.81              | 5.60                                  | 9.63                                          |
| Richmond.....P                                      | 1.63                          | 2.60              | 5.30                                  | 8.25                                          | 1.50                          | 2.25              | 4.80                                  | 7.80                                          |
| Rochester.....P                                     | 1.65                          | 2.40              | 5.00                                  | 10.00                                         | 1.59                          | 2.26              | 4.56                                  | 7.81                                          |
| St. Louis <sup>3</sup> .....P                       | 1.19                          | 1.71              | 3.13                                  | 6.22                                          | <sup>4</sup> 1.20             | <sup>4</sup> 1.73 | <sup>4</sup> 3.16                     | <sup>4</sup> 6.28                             |
| .....P                                              | 1.07                          | 1.43              | 2.85                                  | 5.70                                          | 1.05                          | 1.44              | 2.88                                  | 5.76                                          |
| St. Paul.....P                                      | 1.66                          | 2.39              | 4.10                                  | 8.38                                          | 1.60                          | 2.15              | 3.85                                  | 7.00                                          |
| Salt Lake City: <sup>2</sup><br>Present.....P       | 1.92                          | 2.99              | 4.92                                  | 7.85                                          | 1.92                          | 2.99              | 4.92                                  | 7.85                                          |
| Objective <sup>1</sup> .....P                       |                               |                   |                                       |                                               | 1.63                          | 2.30              | 3.83                                  | 7.14                                          |
| San Francisco.....P                                 | 1.63                          | 2.10              | 4.20                                  | 7.85                                          | 1.40                          | 2.00              | 3.50                                  | 7.15                                          |
| Savannah.....P                                      | 1.63                          | 2.38              | 4.57                                  | 8.32                                          | 1.63                          | 2.38              | 4.57                                  | 8.32                                          |
| Saranton.....P                                      | 1.75                          | 2.80              | 5.00                                  | 9.50                                          | 1.63                          | 2.45              | 4.85                                  | 9.35                                          |
| Seattle.....P                                       | 1.38                          | 2.20              | 3.40                                  | 6.28                                          | 1.25                          | 2.00              | 3.20                                  | 6.08                                          |
| .....M                                              | 1.40                          | 2.20              | 3.40                                  | 6.30                                          | 1.25                          | 2.00              | 3.20                                  | 6.10                                          |
| Springfield, Ill.....P                              | 1.25                          | 1.90              | 3.90                                  | 6.90                                          | 1.25                          | 1.90              | 3.90                                  | 6.90                                          |
| .....M                                              | 1.25                          | 1.90              | 3.02                                  | 4.80                                          | 1.25                          | 1.90              | 3.02                                  | 4.80                                          |
| Washington.....P                                    | .98                           | 1.55              | 3.60                                  | 5.67                                          | .98                           | 1.55              | 3.50                                  | 5.67                                          |

<sup>1</sup> Rate designed to encourage greater use of electricity.

<sup>2</sup> Includes 2-percent sales tax.

<sup>3</sup> Includes free lamp-renewal service.

<sup>4</sup> Includes 3-percent sales tax.

<sup>5</sup> Includes 1-percent sales tax.

<sup>6</sup> Reports from 2 companies with identical rates.

Source: Bureau of Labor Statistics, Department of Labor.

## No. 405.—DEVELOPED AND POTENTIAL WATER POWER

NOTE.—In thousands of horsepower. Data for developed water power cover capacity of actual installation of water wheels and turbines in plants of 100 horsepower or more. Figures for potential power are revised estimates showing the 24-hour horsepower available 90 percent of the time and 50 percent of the time at an over-all efficiency of 70 percent at all developed and undeveloped sites. Data for potential power are not directly comparable with those for developed power, because developed power is usually given in terms of the capacity of installed water wheels or turbines, which may be several times the potential power available 90 percent of the time. Probably with complete development of the water-power resources of the whole country the installed capacity would amount to 80,000,000 horsepower or more.

| Division and State      | Developed water power (capacity of actual installation) |                  |                     |                  |                  |                     |                  | Potential water power available— |                         |
|-------------------------|---------------------------------------------------------|------------------|---------------------|------------------|------------------|---------------------|------------------|----------------------------------|-------------------------|
|                         | November, 1921                                          | March, 1925      | January, 1930       | January, 1933    | January, 1934    | January, 1935       | January, 1936    | 90 per cent of the time          | 50 per cent of the time |
| Continental U. S.....   | 7,927                                                   | 10,048           | 13,808              | 15,818           | 15,913           | 16,075              | 16,079           | 41,701                           | 60,278                  |
| New England.....        | 1,311                                                   | 1,389            | 1,643               | 1,947            | 2,004            | 2,006               | 1,994            | 1,022                            | 2,019                   |
| Maine.....              | 450                                                     | 477              | 541                 | 613              | 613              | 616                 | 603              | 536                              | 1,074                   |
| New Hampshire.....      | 220                                                     | 243              | 278                 | 559              | 572              | 575                 | 575              | 186                              | 350                     |
| Vermont.....            | 130                                                     | 168              | 200                 | 202              | 192              | 192                 | 192              | 103                              | 200                     |
| Massachusetts.....      | 333                                                     | 344              | 302                 | 308              | 423              | 422                 | 423              | 107                              | 236                     |
| Rhode Island.....       | 30                                                      | 30               | 30                  | 30               | 20               | 20                  | 20               | 25                               | 40                      |
| Connecticut.....        | 134                                                     | 136              | 172                 | 174              | 175              | 173                 | 172              | 65                               | 110                     |
| Middle Atlantic.....    | 1,479                                                   | 1,958            | 2,113               | 2,396            | 2,421            | 2,465               | 2,468            | 4,397                            | 8,083                   |
| New York.....           | 1,202                                                   | 1,714            | 1,805               | 1,900            | 1,835            | 1,885               | 1,879            | 4,034                            | 4,993                   |
| New Jersey.....         | 17                                                      | 19               | 18                  | 17               | 17               | 17                  | 17               | 50                               | 90                      |
| Pennsylvania.....       | 170                                                     | 226              | 291                 | 478              | 520              | 563                 | 562              | 313                              | 1,000                   |
| East North Central..... | 739                                                     | 885              | 1,075               | 1,189            | 1,188            | 1,189               | 1,176            | 768                              | 1,401                   |
| Ohio.....               | 29                                                      | 30               | 30                  | 23               | 23               | 23                  | 24               | 55                               | 166                     |
| Indiana.....            | 27                                                      | 51               | 55                  | 55               | 55               | 55                  | 55               | 45                               | 146                     |
| Illinois.....           | 85                                                      | 87               | 95                  | 94               | 88               | 88                  | 93               | 199                              | 361                     |
| Michigan.....           | 267                                                     | 305              | 379                 | 444              | 464              | 477                 | 483              | 184                              | 249                     |
| Wisconsin.....          | 331                                                     | 413              | 517                 | 524              | 555              | 546                 | 521              | 285                              | 480                     |
| West North Central..... | 444                                                     | 516              | 551                 | 767              | 762              | 750                 | 746              | 1,040                            | 1,582                   |
| Minnesota.....          | 205                                                     | 263              | 287                 | 287              | 272              | 272                 | 272              | 212                              | 329                     |
| Iowa.....               | 173                                                     | 177              | 181                 | 184              | 183              | 183                 | 183              | 169                              | 395                     |
| Missouri.....           | 18                                                      | 20               | 23                  | 235              | 235              | 235                 | 235              | 84                               | 105                     |
| North Dakota.....       | ( <sup>1</sup> )                                        | ( <sup>2</sup> ) | ( <sup>1</sup> )    | ( <sup>2</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )    | ( <sup>1</sup> ) | 82                               | 193                     |
| South Dakota.....       | 13                                                      | 19               | 19                  | 20               | 20               | 20                  | 20               | 206                              | 247                     |
| Nebraska.....           | 15                                                      | 21               | 24                  | 24               | 24               | 24                  | 24               | 183                              | 342                     |
| Kansas.....             | 15                                                      | 14               | 16                  | 16               | 13               | 16                  | 13               | 104                              | 251                     |
| South Atlantic.....     | 1,082                                                   | 1,594            | 2,657               | 2,979            | 3,036            | 3,173               | 3,218            | 2,988                            | 5,133                   |
| Delaware.....           | 3                                                       | 3                | 1                   | 1                | 1                | 1                   | 1                | 5                                | 10                      |
| Maryland.....           | 7                                                       | 7                | 416                 | 416              | 400              | 404                 | 405              | 106                              | 238                     |
| Dist. of Columbia.....  | 1                                                       | 1                | 6                   | 6                | 6                | 6                   | 6                |                                  |                         |
| Virginia.....           | 104                                                     | 118              | 126                 | 165              | 152              | 154                 | 156              | 459                              | 812                     |
| West Virginia.....      | 15                                                      | 15               | 89                  | 87               | 87               | 227                 | 269              | 355                              | 980                     |
| North Carolina.....     | 330                                                     | 535              | 947                 | 971              | 971              | 980                 | 980              | 916                              | 1,245                   |
| South Carolina.....     | 330                                                     | 507              | 674                 | 810              | 811              | 811                 | 811              | 555                              | 860                     |
| Georgia.....            | 286                                                     | 400              | 473                 | 512              | 578              | 560                 | 569              | 572                              | 958                     |
| Florida.....            | 7                                                       | 9                | 25                  | 21               | 20               | 20                  | 20               | 20                               | 30                      |
| East South Central..... | 241                                                     | 392              | 1,169               | 1,364            | 1,298            | 1,303               | 1,303            | 2,477                            | 3,361                   |
| Kentucky.....           | 1                                                       | 1                | 145                 | 145              | 145              | 145                 | 145              | 245                              | 380                     |
| Tennessee.....          | 127                                                     | 166              | 179                 | 288              | 288              | 291                 | 291              | 1,340                            | 1,658                   |
| Alabama.....            | 113                                                     | 224              | 845                 | 931              | 865              | 867                 | 867              | 820                              | 1,140                   |
| Mississippi.....        |                                                         |                  |                     |                  |                  |                     |                  | 72                               | 75                      |
| West South Central..... | 16                                                      | 31               | 49                  | 150              | 150              | 150                 | 145              | 567                              | 1,117                   |
| Arkansas.....           | 1                                                       | 16               | 16                  | 95               | 95               | 95                  | 95               | 200                              | 300                     |
| Louisiana.....          |                                                         |                  |                     |                  |                  |                     |                  | 9                                | 9                       |
| Oklahoma.....           | 2                                                       | 2                | 3                   | 2                | 2                | 2                   | 2                | 70                               | 194                     |
| Texas.....              | 13                                                      | 14               | 31                  | 53               | 53               | 53                  | 48               | 288                              | 614                     |
| Mountain.....           | 827                                                     | 987              | 1,185               | 1,212            | 1,208            | 1,190               | 1,189            | 11,132                           | 14,670                  |
| Montana.....            | 344                                                     | 360              | 419                 | 429              | 428              | 429                 | 429              | 2,410                            | 3,300                   |
| Idaho.....              | 224                                                     | 290              | 358                 | 348              | 348              | 342                 | 355              | 2,550                            | 3,550                   |
| Wyoming.....            | 8                                                       | 8                | 19                  | 23               | 23               | 23                  | 23               | 704                              | 1,182                   |
| Colorado.....           | 92                                                      | 91               | 98                  | 102              | 101              | 102                 | 99               | 873                              | 1,009                   |
| New Mexico.....         | 1                                                       | 1                | 2                   | 2                | 2                | 2                   | 2                | 116                              | 166                     |
| Arizona.....            | 39                                                      | 49               | 120                 | 187              | 137              | 137                 | 133              | 2,759                            | 2,887                   |
| Utah.....               | 106                                                     | 115              | 156                 | 156              | 156              | 144                 | 144              | 1,420                            | 1,586                   |
| Nevada.....             | 13                                                      | 14               | 14                  | 14               | 14               | 13                  | 13               | 300                              | 370                     |
| Pacific.....            | 1,789                                                   | 2,386            | 3,365               | 3,865            | 3,848            | 3,851               | 3,842            | 17,326                           | 24,740                  |
| Washington.....         | 454                                                     | 561              | 766                 | 1,063            | 1,037            | 1,037               | 1,037            | 8,890                            | 12,000                  |
| Oregon.....             | 185                                                     | 244              | 299                 | 364              | 364              | 363                 | 360              | 4,400                            | 6,300                   |
| California.....         | 1,149                                                   | 1,581            | 2,301               | 2,448            | 2,447            | 2,450               | 2,444            | 4,120                            | 6,440                   |
| Outlying areas:         |                                                         |                  |                     |                  |                  |                     |                  |                                  |                         |
| Alaska.....             |                                                         | 40               | 36                  | 37               | ( <sup>3</sup> ) | ( <sup>3</sup> )    | ( <sup>3</sup> ) | 1,000                            | 2,500                   |
| Hawaii.....             |                                                         | 25               | ( <sup>3</sup> ) 52 | 26               | ( <sup>3</sup> ) | ( <sup>3</sup> )    | 26               | 19                               | 23                      |
| Puerto Rico.....        |                                                         | 15               | ( <sup>3</sup> )    | 36               | ( <sup>3</sup> ) | ( <sup>3</sup> ) 52 | ( <sup>3</sup> ) | 72                               | 174                     |

<sup>1</sup> Less than 500.<sup>2</sup> Bartlett's Ferry plant changed from Alabama to Georgia.<sup>3</sup> Not available.<sup>4</sup> Capacity in 1928.<sup>5</sup> Figures from McGraw Central Station Directory, 1935.

Source: Geological Survey, Department of the Interior.

# 19.—PUBLIC ROADS AND MOTOR VEHICLES

## No. 406.—RURAL ROADS IN THE UNITED STATES

NOTE.—Mileage data included for county and township roads in 1921 and 1926 were secured from county records; data for other years shown in this and subsequent tables contain some estimates and are not as accurate as to detail. Figures for county and township roads not available subsequent to 1930. Data in most cases refer to calendar years; there are, however, exceptions in some States. Data relate to continental United States only, except as noted

| Item                                                                                     | 1921       | 1926      | 1929      | 1930      |
|------------------------------------------------------------------------------------------|------------|-----------|-----------|-----------|
| ALL RURAL ROADS                                                                          |            |           |           |           |
| Total mileage at end of year                                                             | 2,841,294  | 3,000,190 | 3,024,233 | 3,009,086 |
| Earth roads                                                                              | 2,553,534  | 2,450,126 | 2,361,798 | 2,315,507 |
| Surfaced roads                                                                           | 387,760    | 550,064   | 662,435   | 693,579   |
| Low type <sup>1</sup>                                                                    | 340,583    | 467,077   | 540,081   | 567,851   |
| High type <sup>1</sup>                                                                   | 47,177     | 82,987    | 112,454   | 125,708   |
| Total mileage built during year                                                          | 110,978    | 118,413   | 78,008    | 87,717    |
| Earth roads (graded and drained)                                                         | 89,804     | 60,050    | 23,128    | 24,370    |
| Surfaced roads                                                                           | 41,172     | 56,354    | 54,875    | 63,347    |
| Low type <sup>1</sup>                                                                    | 33,083     | 46,746    | 42,548    | 48,397    |
| High type <sup>1</sup>                                                                   | 8,089      | 9,608     | 12,327    | 14,950    |
| Funds available for rural road purposes, all authorities <sup>2</sup> (1,000 dollars)    | 71,109,896 | 1,640,451 | 2,042,400 | 2,302,646 |
| Motor vehicle fees, gasoline taxes                                                       | 119,915    | 436,449   | 687,730   | 832,933   |
| Other taxes and appropriations                                                           | 415,747    | 491,194   | 560,008   | 537,951   |
| Proceeds of bonds                                                                        | 434,573    | 273,422   | 271,864   | 316,973   |
| Federal aid <sup>3</sup>                                                                 | 77,457     | 79,163    | 77,573    | 92,463    |
| All other sources                                                                        | 72,205     | 361,224   | 444,324   | 402,326   |
| Disbursements for rural roads and bridges, all roads, by all authorities (1,000 dollars) | 1,027,493  | 1,276,093 | 1,615,519 | 1,865,851 |
| Highway purposes—                                                                        |            |           |           |           |
| Construction                                                                             | 622,172    | 621,893   | 813,982   | 1,009,712 |
| Maintenance                                                                              | 250,550    | 338,853   | 433,538   | 475,912   |
| Other expenditures                                                                       | 121,372    | 203,002   | 197,148   | 194,869   |
| All other disbursements                                                                  | 33,380     | 112,950   | 170,850   | 205,357   |

| Item                                                                                            | 1926    | 1930      | 1931      | 1932                  | 1933    | 1934                  |
|-------------------------------------------------------------------------------------------------|---------|-----------|-----------|-----------------------|---------|-----------------------|
| Total mileage of State highway systems at end of year <sup>4</sup>                              | 287,928 | 324,496   | 328,942   | <sup>10</sup> 355,210 | 345,751 | <sup>11</sup> 324,312 |
| Earth roads                                                                                     | 124,869 | 98,275    | 86,242    | 92,150                | 73,906  | 52,608                |
| Surfaced roads                                                                                  | 163,059 | 226,221   | 242,700   | 266,060               | 271,845 | 271,614               |
| Low type <sup>1</sup>                                                                           | 109,110 | 142,109   | 146,359   | 156,325               | 157,995 | 161,923               |
| High type <sup>1</sup>                                                                          | 53,949  | 84,112    | 96,341    | 109,735               | 113,850 | 108,691               |
| Total mileage of State highway systems built during year                                        | 27,387  | 35,277    | 44,834    | 35,971                | 27,830  | 32,723                |
| Earth roads (graded and drained)                                                                | 7,060   | 7,813     | 10,095    | 6,394                 | 6,258   | 5,102                 |
| Surfaced roads                                                                                  | 20,327  | 27,464    | 34,539    | 29,577                | 21,572  | 27,561                |
| Low type <sup>1</sup>                                                                           | 14,199  | 16,677    | 22,028    | 19,668                | 14,271  | 22,272                |
| High type <sup>1</sup>                                                                          | 6,128   | 10,787    | 12,513    | 10,009                | 7,401   | 5,289                 |
| Funds available to State highway departments <sup>12</sup> (1,000 dollars)                      | 806,888 | 1,423,164 | 1,367,970 | 1,178,576             | 955,124 | 1,295,642             |
| Disbursements by State highway departments, including Federal aid <sup>13</sup> (1,000 dollars) | 621,744 | 1,139,677 | 1,091,009 | 955,446               | 782,006 | 991,774               |
| Highway construction under Federal aid, status at end of year: <sup>14</sup>                    |         |           |           |                       |         |                       |
| Completed mileage                                                                               | 56,717  | 88,945    | 90,777    | 104,562               | 118,176 | 120,340               |
| Projects under construction:                                                                    |         |           |           |                       |         |                       |
| Miles                                                                                           | 14,531  | 9,089     | 8,572     | 13,349                | 2,669   | 460                   |
| Total cost (1,000 dollars)                                                                      | 365,730 | 233,397   | 216,850   | 250,978               | 63,174  | 15,780                |
| Federal aid (1,000 dollars)                                                                     | 151,490 | 99,573    | 98,080    | 98,257                | 20,724  | 7,132                 |
| Projects approved for construction:                                                             |         |           |           |                       |         |                       |
| Miles                                                                                           | 1,575   | 2,875     | 1,910     | 2,682                 | 64      | 17                    |
| Total cost (1,000 dollars)                                                                      | 40,299  | 60,304    | 35,473    | 45,085                | 408     | 462                   |
| Federal aid (1,000 dollars)                                                                     | 13,921  | 25,531    | 15,134    | 13,314                | 273     | 93                    |
| Federal-aid fund available for new projects (1,000 dollars)                                     | 113,970 | 144,726   | 113,879   | 20,294                | 3,056   | 927                   |

<sup>1</sup> Low type includes top-soil, sand-clay, gravel, chert, shale, etc., waterbound macadam, and low-cost bituminous mix; high type includes bituminous macadam, bituminous concrete, sheet asphalt, portland cement concrete, block pavements, and timber flooring on bridges.

<sup>2</sup> Includes 11,303 miles of unclassified roads. <sup>3</sup> Includes mileage partially graded and drained.

<sup>4</sup> Includes original and reconstructed surfacing. <sup>5</sup> Includes 368 miles of unclassified roads.

<sup>6</sup> Excludes funds transferred. <sup>7</sup> Excludes balance on hand at beginning of year; not reported in 1921.

<sup>8</sup> For road and bridge purposes under supervision of State highway department only.

<sup>9</sup> Includes an undetermined amount of municipal street mileage on State highway systems or connecting these systems. For 1933 and 1934 such mileage is included, however, for only a few States. Figures prior to 1934 also include mileage of secondary road systems under State control for a number of States.

<sup>10</sup> Includes 20,171 miles of local roads in Pennsylvania under jurisdiction of State highway department for construction and maintenance; this mileage was excluded in 1933 and for years prior to 1932.

<sup>11</sup> Primary systems only. See also note 9. <sup>12</sup> Includes funds transferred to or from local units.

<sup>13</sup> Includes data for Hawaii for all items except those for projects approved for construction which include Hawaii beginning 1929 only. For 1935 data regarding Federal-aid road construction, also emergency road construction in 1935, see table 411.

Source: Bureau of Public Roads, Department of Agriculture.

## No. 407.—RURAL ROAD MILEAGE AS OF DECEMBER 31

NOTE.—Data include all rural roads. In some cases variations in mileage from that of the previous year shown are partly because of more accurate survey of road mileage. Data in most cases relate to Dec 31; there are, however, some exceptions. Data for local roads subsequent to 1930 are not available. For mileage of State highway systems as of Dec. 31, 1934, see table 408

| Division and State | All types |           |           | Surfaced roads |         |         |         |         |         |         |
|--------------------|-----------|-----------|-----------|----------------|---------|---------|---------|---------|---------|---------|
|                    | 1914      | 1921      | 1930      | 1914           | 1921    | 1926    | 1927    | 1928    | 1929    | 1930    |
| Continental U. S.  | 2,445,761 | 2,841,294 | 3,008,066 | 257,292        | 387,780 | 550,064 | 588,721 | 626,187 | 662,435 | 693,569 |
| New England        | 86,718    | 85,295    | 83,744    | 18,038         | 17,725  | 33,614  | 24,631  | 25,919  | 27,465  | 28,343  |
| Maine              | 23,637    | 21,453    | 20,832    | 2,762          | 2,953   | 4,429   | 4,332   | 5,293   | 5,777   | 6,227   |
| New Hampshire      | 14,020    | 13,341    | 12,034    | 1,660          | 1,692   | 2,218   | 2,391   | 2,546   | 2,784   | 3,060   |
| Vermont            | 14,249    | 14,677    | 15,031    | 1,442          | 3,545   | 4,490   | 4,691   | 4,857   | 4,983   | 5,075   |
| Massachusetts      | 18,631    | 18,968    | 18,802    | 8,506          | 6,575   | 8,280   | 8,486   | 8,783   | 9,324   | 9,682   |
| Rhode Island       | 2,170     | 2,274     | 2,739     | 693            | 754     | 876     | 853     | 900     | 1,025   | 1,092   |
| Connecticut        | 14,061    | 12,152    | 14,256    | 2,975          | 2,206   | 3,321   | 3,379   | 3,450   | 3,572   | 3,712   |
| Middle Atlantic    | 185,771   | 186,935   | 190,635   | 31,516         | 38,946  | 58,298  | 62,071  | 64,748  | 67,935  | 70,801  |
| New York           | 79,398    | 81,878    | 82,375    | 15,636         | 18,568  | 26,957  | 29,481  | 31,113  | 32,713  | 34,278  |
| New Jersey         | 14,817    | 14,066    | 17,393    | 5,897          | 6,459   | 7,836   | 8,057   | 8,734   | 9,077   | 9,442   |
| Pennsylvania       | 91,556    | 90,991    | 90,867    | 9,983          | 13,921  | 23,505  | 24,533  | 24,901  | 26,145  | 27,081  |
| East North Central | 405,245   | 418,753   | 419,051   | 94,365         | 124,298 | 153,853 | 180,684 | 198,210 | 174,150 | 181,598 |
| Ohio               | 86,854    | 84,219    | 85,106    | 30,569         | 36,068  | 42,361  | 43,977  | 46,245  | 48,503  | 50,839  |
| Indiana            | 73,347    | 76,246    | 73,768    | 30,962         | 39,857  | 49,440  | 50,284  | 50,995  | 51,514  | 52,054  |
| Illinois           | 95,647    | 96,326    | 97,287    | 11,606         | 11,473  | 16,928  | 18,118  | 20,032  | 21,375  | 22,315  |
| Michigan           | 74,190    | 77,233    | 81,106    | 7,829          | 17,186  | 21,698  | 22,493  | 24,167  | 25,143  | 26,281  |
| Wisconsin          | 75,707    | 78,679    | 81,784    | 13,399         | 19,714  | 23,426  | 25,792  | 26,771  | 27,815  | 29,632  |
| West North Central | 650,058   | 759,320   | 777,793   | 14,988         | 30,223  | 61,603  | 66,989  | 78,762  | 87,384  | 96,166  |
| Minnesota          | 93,517    | 107,103   | 110,661   | 3,968          | 16,905  | 30,011  | 32,399  | 34,223  | 35,501  | 37,217  |
| Iowa               | 104,074   | 104,082   | 103,328   | 615            | 2,585   | 9,284   | 11,811  | 15,191  | 18,021  | 20,038  |
| Missouri           | 95,041    | 111,520   | 110,540   | 6,713          | 7,879   | 11,043  | 11,739  | 12,319  | 13,074  | 14,326  |
| North Dakota       | 69,796    | 106,523   | 108,846   | 955            | 710     | 1,874   | 2,360   | 2,953   | 3,592   | 4,026   |
| South Dakota       | 96,306    | 115,485   | 120,271   | 363            | 548     | 3,510   | 4,087   | 4,840   | 6,147   | 7,096   |
| Nebraska           | 80,272    | 86,556    | 93,907    | 1,205          | 496     | 3,273   | 3,979   | 4,651   | 5,364   | 6,386   |
| Kansas             | 111,052   | 128,551   | 132,240   | 1,149          | 1,100   | 2,508   | 3,808   | 4,585   | 5,685   | 7,027   |
| South Atlantic     | 297,193   | 385,567   | 357,554   | 32,154         | 61,173  | 32,382  | 39,541  | 95,384  | 100,840 | 96,514  |
| Delaware           | 3,674     | 3,933     | 3,779     | 244            | 448     | 884     | 927     | 1,094   | 1,180   | 1,258   |
| Maryland           | 16,459    | 14,772    | 14,847    | 2,489          | 3,663   | 4,540   | 5,307   | 5,493   | 5,704   | 6,808   |
| Virginia           | 33,388    | 50,080    | 50,957    | 3,910          | 7,260   | 10,542  | 11,192  | 11,897  | 12,327  | 12,681  |
| West Virginia      | 32,024    | 35,173    | 34,799    | 1,065          | 1,367   | 3,037   | 3,713   | 3,917   | 4,450   | 6,292   |
| North Carolina     | 50,758    | 68,204    | 68,796    | 6,004          | 16,755  | 26,885  | 27,811  | 28,345  | 29,649  | 29,956  |
| South Carolina     | 42,226    | 61,850    | 57,725    | 3,270          | 6,908   | 12,475  | 13,841  | 16,648  | 17,576  | 18,802  |
| Georgia            | 80,669    | 94,912    | 102,284   | 12,342         | 18,339  | 11,416  | 13,015  | 13,972  | 14,831  | 14,922  |
| Florida            | 17,995    | 27,643    | 30,366    | 2,530          | 4,438   | 12,403  | 13,735  | 14,018  | 15,123  | 15,396  |
| East South Central | 205,191   | 242,745   | 259,078   | 27,628         | 41,473  | 55,274  | 58,831  | 61,187  | 66,695  | 73,406  |
| Kentucky           | 57,916    | 68,704    | 61,261    | 12,403         | 15,436  | 15,236  | 15,619  | 16,130  | 17,030  | 17,654  |
| Tennessee          | 48,050    | 62,548    | 67,953    | 8,102          | 9,878   | 11,238  | 12,521  | 13,536  | 15,184  | 18,018  |
| Alabama            | 55,446    | 58,410    | 67,907    | 4,988          | 10,420  | 17,514  | 18,204  | 17,370  | 18,369  | 19,734  |
| Mississippi        | 45,779    | 53,085    | 61,957    | 2,133          | 5,744   | 11,286  | 12,587  | 14,149  | 16,112  | 19,950  |
| West South Central | 312,182   | 416,617   | 413,820   | 13,815         | 23,986  | 40,265  | 42,187  | 46,436  | 49,896  | 52,813  |
| Arkansas           | 50,743    | 74,866    | 68,849    | 1,098          | 3,871   | 5,981   | 6,269   | 6,779   | 7,958   | 8,884   |
| Louisiana          | 24,593    | 30,803    | 35,553    | 2,068          | 2,771   | 8,697   | 9,501   | 10,731  | 11,152  | 12,203  |
| Oklahoma           | 107,916   | 134,263   | 120,879   | 122            | 2,461   | 2,930   | 3,300   | 3,711   | 4,774   | 5,307   |
| Texas              | 128,960   | 167,685   | 188,539   | 10,527         | 14,833  | 22,677  | 23,117  | 25,215  | 26,012  | 26,424  |
| Mountain           | 163,117   | 309,352   | 334,929   | 4,881          | 15,539  | 25,827  | 28,574  | 32,010  | 38,848  | 36,960  |
| Montana            | 39,204    | 64,732    | 67,072    | 609            | 1,772   | 2,508   | 2,799   | 3,178   | 3,437   | 3,870   |
| Idaho              | 24,366    | 31,099    | 39,825    | 679            | 2,982   | 6,961   | 7,940   | 8,487   | 8,884   | 9,766   |
| Wyoming            | 14,797    | 46,528    | 41,233    | 468            | 440     | 1,284   | 1,361   | 1,604   | 1,760   | 1,987   |
| Colorado           | 39,780    | 48,143    | 63,074    | 1,194          | 4,598   | 5,997   | 6,353   | 6,952   | 7,157   | 7,588   |
| New Mexico         | 11,873    | 45,549    | 47,776    | 262            | 1,802   | 1,954   | 2,144   | 2,361   | 2,539   | 3,014   |
| Arizona            | 12,075    | 21,227    | 22,818    | 253            | 1,233   | 3,070   | 3,150   | 3,421   | 3,697   | 3,840   |
| Utah               | 8,810     | 23,047    | 23,655    | 1,154          | 2,544   | 2,600   | 3,001   | 3,996   | 4,237   | 4,451   |
| Nevada             | 12,182    | 26,057    | 23,576    | 262            | 168     | 1,453   | 1,796   | 2,011   | 2,237   | 2,444   |
| Pacific            | 140,286   | 167,180   | 172,462   | 19,928         | 34,387  | 49,126  | 52,135  | 53,481  | 54,222  | 56,448  |
| Washington         | 42,428    | 45,816    | 43,881    | 4,922          | 12,062  | 16,483  | 16,655  | 16,406  | 16,718  | 16,870  |
| Oregon             | 36,819    | 45,475    | 51,617    | 4,726          | 8,050   | 11,578  | 11,816  | 11,995  | 12,123  | 13,931  |
| California         | 61,039    | 75,889    | 76,964    | 10,280         | 14,275  | 21,065  | 23,665  | 25,080  | 25,381  | 25,597  |

<sup>1</sup> Includes about 26,000 miles of section lines declared public highways by law but which are not open for general traffic.

Source: Bureau of Public Roads, Department of Agriculture.

**No. 408.—STATE HIGHWAY SYSTEMS: RURAL ROADS AND MUNICIPAL STREETS  
CONNECTING HIGHWAYS AS OF DEC. 31, 1934, AND RURAL MILEAGE SUR-  
FACED DURING 1933 AND 1934**

| Division and State      | Existing mileage, end of 1934                  |                                         |             |                |                       |                        | Mileage surfaced on primary systems (rural) during— |                    |                |
|-------------------------|------------------------------------------------|-----------------------------------------|-------------|----------------|-----------------------|------------------------|-----------------------------------------------------|--------------------|----------------|
|                         | Rural roads and municipal streets <sup>1</sup> | Primary systems of rural State highways |             |                |                       |                        | 1933, total <sup>2</sup>                            | 1934               |                |
|                         |                                                | Total                                   | Earth roads | Surfaced roads |                       |                        |                                                     | Total <sup>3</sup> | On earth roads |
|                         |                                                |                                         |             | Total          | Low type <sup>4</sup> | High type <sup>5</sup> |                                                     |                    |                |
| Cont'l U. S. ....       | 507, 014                                       | 324, 312                                | 52, 698     | 271, 614       | 161, 923              | 109, 691               | 21, 672                                             | 27, 561            | 8, 912         |
| New England.....        | 17, 564                                        | 9, 983                                  | 514         | 9, 469         | 4, 770                | 4, 679                 | 402                                                 | 414                | 123            |
| Maine.....              | 18, 060                                        | 2, 314                                  | 70          | 2, 244         | 1, 612                | 632                    | 61                                                  | 67                 | 12             |
| New Hampshire.....      | 13, 063                                        | 1, 460                                  | -----       | 1, 460         | 1, 018                | 442                    | 37                                                  | 41                 | 6              |
| Vermont.....            | 1, 029                                         | 1, 029                                  | 10          | 1, 019         | 604                   | 415                    | 41                                                  | 64                 | 2              |
| Massachusetts.....      | 1, 833                                         | 1, 833                                  | -----       | 1, 833         | 1, 662                | 171                    | 95                                                  | 125                | 17             |
| Rhode Island.....       | 1, 106                                         | 1, 010                                  | 346         | 664            | 190                   | 474                    | 73                                                  | 60                 | 46             |
| Connecticut.....        | 2, 473                                         | 2, 317                                  | 88          | 2, 229         | 1, 175                | 1, 054                 | 95                                                  | 57                 | 39             |
| Middle Atlantic.....    | 51, 295                                        | 28, 271                                 | 2, 582      | 25, 689        | 7, 669                | 18, 120                | 1, 349                                              | 1, 731             | 916            |
| New York.....           | 13, 946                                        | 13, 946                                 | 1, 536      | 12, 410        | 2, 165                | 10, 245                | 824                                                 | 686                | 167            |
| New Jersey.....         | 1, 872                                         | 1, 351                                  | 82          | 1, 269         | 101                   | 1, 168                 | 33                                                  | 42                 | 21             |
| Pennsylvania.....       | 136, 477                                       | 12, 974                                 | 964         | 12, 010        | 5, 303                | 6, 707                 | 4, 492                                              | 1, 003             | 1, 727         |
| East North Central..... | 58, 514                                        | 49, 843                                 | 2, 007      | 47, 836        | 18, 600               | 29, 236                | 2, 168                                              | 2, 991             | 727            |
| Ohio.....               | 14, 331                                        | 12, 204                                 | 60          | 12, 144        | 5, 441                | 6, 703                 | 440                                                 | 949                | 139            |
| Indiana.....            | 9, 292                                         | 9, 292                                  | 806         | 8, 486         | 3, 955                | 4, 531                 | 396                                                 | 354                | 79             |
| Illinois.....           | 10, 803                                        | 10, 009                                 | 247         | 9, 852         | 17                    | 9, 835                 | 674                                                 | 190                | 182            |
| Michigan.....           | 8, 982                                         | 8, 266                                  | 433         | 7, 823         | 4, 095                | 3, 728                 | 281                                                 | 362                | 188            |
| Wisconsin.....          | 10, 106                                        | 9, 092                                  | 461         | 9, 631         | 5, 092                | 4, 439                 | 377                                                 | 1, 127             | 139            |
| West North Central..... | 66, 085                                        | 58, 484                                 | 8, 489      | 49, 995        | 38, 724               | 13, 271                | 5, 730                                              | 6, 588             | 1, 362         |
| Minnesota.....          | 11, 371                                        | 11, 208                                 | 613         | 10, 595        | 7, 906                | 2, 689                 | 534                                                 | 902                | 131            |
| Iowa.....               | 8, 876                                         | 7, 910                                  | 340         | 7, 570         | 3, 257                | 4, 313                 | 284                                                 | 454                | 109            |
| Missouri.....           | 12, 462                                        | 8, 082                                  | 211         | 7, 871         | 4, 072                | 3, 799                 | 2, 154                                              | 722                | 206            |
| North Dakota.....       | 7, 617                                         | 7, 603                                  | 1, 687      | 5, 916         | 5, 878                | 38                     | 981                                                 | 743                | 310            |
| South Dakota.....       | 6, 003                                         | 5, 989                                  | 975         | 5, 014         | 4, 798                | 216                    | 343                                                 | 648                | 61             |
| Nebraska.....           | 9, 774                                         | 9, 179                                  | 2, 301      | 6, 878         | 6, 090                | 788                    | 760                                                 | 819                | 268            |
| Kansas.....             | 8, 982                                         | 8, 613                                  | 2, 362      | 6, 161         | 4, 723                | 1, 428                 | 674                                                 | 2, 238             | 277            |
| South Atlantic.....     | 168, 932                                       | 54, 706                                 | 11, 227     | 43, 478        | 27, 922               | 16, 256                | 2, 991                                              | 2, 479             | 811            |
| Delaware.....           | 1, 245                                         | 1, 225                                  | -----       | 1, 225         | 349                   | 876                    | 142                                                 | 157                | 98             |
| Maryland.....           | 3, 855                                         | 3, 855                                  | -----       | 3, 855         | 1, 761                | 2, 094                 | 110                                                 | 125                | 87             |
| Virginia.....           | 145, 907                                       | 4, 044                                  | 1, 193      | 7, 851         | 6, 283                | 1, 563                 | 834                                                 | 281                | -----          |
| West Virginia.....      | 133, 819                                       | 4, 614                                  | 607         | 3, 907         | 1, 786                | 2, 121                 | 163                                                 | 479                | 83             |
| North Carolina.....     | 57, 696                                        | 10, 330                                 | 884         | 9, 446         | 5, 598                | 3, 848                 | 588                                                 | 662                | 125            |
| South Carolina.....     | 5, 998                                         | 5, 998                                  | 460         | 5, 529         | 3, 155                | 2, 374                 | 396                                                 | 161                | 83             |
| Georgia.....            | 9, 019                                         | 9, 031                                  | 3, 997      | 5, 034         | 2, 778                | 2, 256                 | 599                                                 | 388                | 194            |
| Florida.....            | 11, 203                                        | 10, 708                                 | 4, 077      | 6, 631         | 5, 507                | 1, 124                 | 159                                                 | 196                | 141            |
| East South Central..... | 27, 343                                        | 24, 959                                 | 3, 800      | 21, 159        | 15, 090               | 6, 069                 | 1, 455                                              | 2, 373             | 827            |
| Kentucky.....           | 7, 538                                         | 7, 538                                  | 768         | 6, 770         | 5, 143                | 1, 627                 | 914                                                 | 761                | 412            |
| Tennessee.....          | 7, 188                                         | 7, 188                                  | 555         | 6, 633         | 4, 013                | 2, 620                 | 237                                                 | 1, 070             | 213            |
| Alabama.....            | 6, 407                                         | 6, 253                                  | 2, 305      | 3, 948         | 2, 788                | 1, 165                 | 113                                                 | 288                | 178            |
| Mississippi.....        | 6, 120                                         | 3, 980                                  | 172         | 3, 808         | 3, 151                | 697                    | 161                                                 | 254                | 124            |
| West South Central..... | 53, 980                                        | 40, 782                                 | 8, 704      | 32, 088        | 20, 131               | 11, 927                | 3, 728                                              | 2, 562             | 1, 612         |
| Arkansas.....           | 8, 864                                         | 8, 864                                  | 1, 452      | 7, 412         | 5, 814                | 1, 598                 | 213                                                 | 266                | 42             |
| Louisiana.....          | 17, 664                                        | 4, 446                                  | 135         | 4, 311         | 2, 278                | 2, 033                 | 563                                                 | 102                | 70             |
| Oklahoma.....           | 7, 440                                         | 7, 440                                  | 1, 439      | 6, 001         | 3, 479                | 2, 522                 | 957                                                 | 641                | 636            |
| Texas.....              | 20, 012                                        | 20, 012                                 | 5, 678      | 14, 334        | 8, 660                | 5, 774                 | 1, 995                                              | 1, 553             | 864            |
| Mountain.....           | 45, 082                                        | 39, 270                                 | 13, 054     | 26, 216        | 21, 790               | 4, 426                 | 3, 084                                              | 6, 257             | 1, 542         |
| Montana.....            | 5, 442                                         | 5, 145                                  | 1, 293      | 3, 852         | 3, 765                | 87                     | 751                                                 | 1, 172             | 293            |
| Idaho.....              | 4, 939                                         | 4, 762                                  | 1, 440      | 3, 322         | 3, 129                | 193                    | 297                                                 | 425                | 160            |
| Wyoming.....            | 3, 414                                         | 3, 414                                  | 607         | 2, 807         | 2, 772                | 35                     | 296                                                 | 2, 050             | 208            |
| Colorado.....           | 10, 328                                        | 3, 589                                  | 626         | 2, 933         | 2, 445                | 488                    | 347                                                 | 634                | 106            |
| New Mexico.....         | 10, 338                                        | 10, 185                                 | 6, 751      | 3, 434         | 3, 326                | 108                    | 435                                                 | 886                | 413            |
| Arizona.....            | 2, 994                                         | 2, 994                                  | 635         | 2, 359         | 2, 138                | 221                    | 320                                                 | 287                | 104            |
| Utah.....               | 4, 625                                         | 3, 599                                  | 1, 364      | 2, 235         | 1, 990                | 245                    | 273                                                 | 347                | 79             |
| Nevada.....             | 4, 002                                         | 2, 612                                  | 338         | 2, 274         | 2, 225                | 49                     | 315                                                 | 456                | 179            |
| Pacific.....            | 24, 219                                        | 21, 055                                 | 2, 321      | 18, 734        | 10, 027               | 8, 707                 | 815                                                 | 2, 168             | 894            |
| Washington.....         | 3, 801                                         | 3, 799                                  | 227         | 3, 572         | 2, 225                | 1, 346                 | 203                                                 | 639                | 49             |
| Oregon.....             | 6, 795                                         | 4, 625                                  | 588         | 4, 039         | 2, 477                | 1, 562                 | 238                                                 | 279                | 6              |
| California.....         | 13, 623                                        | 12, 631                                 | 1, 508      | 11, 123        | 5, 324                | 5, 799                 | 374                                                 | 1, 250             | 939            |

<sup>1</sup> Includes secondary road systems under State control with a total mileage of 170,244 for the 14 States noted. The 1933 figures shown for the United States in table 406 and for States in the previous issue of this publication likewise include secondary State systems for Colorado, Louisiana, Mississippi, Missouri, Montana, Nevada, New Hampshire, and Utah but represent primary systems only for all other States.

<sup>2</sup> See note 1, table 406.

<sup>3</sup> Includes original and reconstructed surfacing.

<sup>4</sup> Includes urban extensions or connecting streets on State system not reported separately.

<sup>5</sup> Includes trunk-line and State-aid systems.

<sup>6</sup> Year ended May 15, 1933.

<sup>7</sup> 19 months ended Dec. 31, 1934.

<sup>8</sup> Change from 1933 due in part to resurvey, reclassification, or addition of local roads to State system.

<sup>9</sup> The 1933 figures are for year ended Sept. 30, 1933; 1934 figures are for 15 months ended Dec. 31, 1934.

Source: Bureau of Public Roads, Department of Agriculture.

# No. 409.—DISBURSEMENTS FOR HIGHWAYS UNDER SUPERVISION OF STATE HIGHWAY DEPARTMENTS, INCLUDING FEDERAL AID

NOTE.—Figures include disbursements, whether from current revenues or the proceeds of loans, for construction, maintenance, interest and principal payments on highway bonds, transfers to local units, and miscellaneous disbursements. Data for 1934 cover the calendar year, while figures for earlier years for many States represent the fiscal year. For the States reporting on a fiscal year basis in 1933, the net total disbursements for interim and overlapping periods between 1933 and 1934 amounted to \$124,428,000

| Division and State     | Year in which first State aid law passed | 1921                 | 1927    | 1928    | 1929    | 1930      | 1931      | 1932    | 1933    | 1934    |
|------------------------|------------------------------------------|----------------------|---------|---------|---------|-----------|-----------|---------|---------|---------|
|                        |                                          | Thousands of dollars |         |         |         |           |           |         |         |         |
| Cont'l U.S.            |                                          | 397,484              | 707,179 | 830,265 | 910,485 | 1,139,877 | 1,091,009 | 955,446 | 792,006 | 991,774 |
| <b>New England</b>     |                                          |                      |         |         |         |           |           |         |         |         |
| Maine                  | 1901                                     | 25,910               | 51,735  | 60,879  | 73,425  | 78,418    | 74,095    | 79,541  | 58,896  | 82,708  |
| N. Hampshire           | 1903                                     | 6,524                | 5,684   | 12,118  | 14,008  | 17,184    | 18,442    | 18,243  | 10,490  | 12,988  |
| Vermont                | 1898                                     | 2,360                | 3,565   | 5,533   | 7,713   | 9,649     | 8,629     | 7,112   | 7,471   | 9,113   |
| Mass. sets             | 1892                                     | 2,951                | 4,080   | 5,702   | 12,516  | 9,013     | 6,999     | 6,177   | 5,511   | 5,905   |
| Rhode Island           | 1892                                     | 7,824                | 18,380  | 16,478  | 20,150  | 21,026    | 28,324    | 29,596  | 18,280  | 33,294  |
| Connecticut            | 1892                                     | 2,213                | 4,242   | 4,548   | 5,412   | 5,367     | 6,183     | 4,708   | 5,347   | 5,091   |
|                        | 1895                                     | 6,998                | 12,784  | 16,410  | 13,598  | 15,288    | 16,053    | 15,445  | 11,788  | 10,417  |
| <b>Middle Atlantic</b> |                                          |                      |         |         |         |           |           |         |         |         |
| New York               | 1898                                     | 101,475              | 186,825 | 158,247 | 171,495 | 216,238   | 192,315   | 172,429 | 137,259 | 184,549 |
| New Jersey             | 1891                                     | 35,855               | 58,798  | 62,503  | 69,604  | 75,233    | 73,924    | 54,285  | 42,206  | 60,282  |
| Pennsylvania           | 1891                                     | 15,608               | 27,793  | 32,479  | 41,397  | 47,414    | 52,860    | 40,197  | 28,377  | 31,612  |
|                        | 1903                                     | 49,012               | 50,064  | 58,265  | 60,434  | 95,889    | 55,631    | 68,947  | 60,076  | 92,489  |
| <b>E. N. Central</b>   |                                          |                      |         |         |         |           |           |         |         |         |
| Ohio                   | 1904                                     | 68,512               | 114,016 | 160,563 | 160,363 | 190,873   | 153,485   | 166,594 | 127,093 | 188,249 |
| Indiana                | 1904                                     | 15,547               | 25,518  | 33,963  | 30,281  | 47,491    | 34,161    | 36,703  | 30,705  | 44,007  |
| Illinois               | 1917                                     | 8,110                | 14,708  | 16,544  | 20,678  | 22,860    | 20,771    | 23,183  | 18,900  | 21,808  |
| Michigan               | 1905                                     | 15,903               | 30,270  | 53,472  | 39,728  | 48,854    | 42,622    | 45,002  | 40,194  | 43,476  |
| Wisconsin              | 1905                                     | 15,744               | 25,883  | 36,578  | 48,660  | 46,138    | 36,540    | 36,211  | 24,272  | 25,428  |
|                        | 1911                                     | 12,417               | 17,547  | 20,017  | 21,010  | 25,623    | 19,371    | 26,705  | 33,112  | 30,410  |
| <b>W. N. Central</b>   |                                          |                      |         |         |         |           |           |         |         |         |
| Minnesota              | 1905                                     | 41,087               | 101,852 | 104,983 | 123,547 | 171,732   | 187,043   | 181,290 | 103,289 | 126,132 |
| Iowa                   | 1904                                     | 18,276               | 24,077  | 37,255  | 36,084  | 50,607    | 30,827    | 23,738  | 18,122  | 23,686  |
| Missouri               | 1907                                     | 4,727                | 25,996  | 18,081  | 28,321  | 43,921    | 42,841    | 37,335  | 34,503  | 31,650  |
| North Dakota           | 1909                                     | 1,030                | 4,567   | 3,564   | 4,129   | 3,922     | 6,957     | 5,084   | 5,074   | 7,160   |
| South Dakota           | 1911                                     | 4,738                | 4,862   | 5,803   | 6,168   | 5,915     | 12,674    | 5,413   | 4,509   | 6,818   |
| Nebraska               | 1911                                     | 4,836                | 8,004   | 6,984   | 8,467   | 11,087    | 13,718    | 10,057  | 11,124  | 12,525  |
| Kansas                 | 1911                                     |                      | 16,590  | 13,904  | 17,012  | 16,845    | 17,448    | 12,704  | 12,878  | 21,291  |
| <b>South Atlantic</b>  |                                          |                      |         |         |         |           |           |         |         |         |
| Delaware               | 1903                                     | 51,181               | 133,828 | 191,169 | 118,712 | 139,904   | 164,397   | 123,176 | 104,379 | 133,014 |
| Maryland               | 1898                                     | 3,765                | 3,480   | 3,377   | 5,208   | 5,492     | 4,426     | 3,388   | 4,138   | 4,480   |
| Virginia               | 1906                                     | 7,616                | 10,698  | 10,668  | 13,617  | 17,002    | 16,162    | 15,050  | 13,788  | 18,787  |
| West Virginia          | 1900                                     | 7,114                | 14,714  | 14,448  | 14,214  | 19,189    | 22,022    | 16,470  | 20,660  | 21,688  |
| N. Carolina            | 1901                                     | 1,877                | 10,311  | 16,224  | 10,184  | 23,308    | 24,385    | 20,760  | 13,621  | 19,550  |
| S. Carolina            | 1901                                     | 15,100               | 33,144  | 28,301  | 24,902  | 25,613    | 26,193    | 22,516  | 20,475  | 26,108  |
| Georgia                | 1917                                     | 9,641                | 13,410  | 21,069  | 18,681  | 22,753    | 31,681    | 15,328  | 15,125  | 15,672  |
| Florida                | 1908                                     | 9,664                | 15,114  | 12,728  | 7,039   | 12,099    | 17,468    | 20,756  | 14,537  | 12,750  |
|                        | 1915                                     | 2,103                | 23,557  | 14,343  | 10,967  | 9,858     | 12,070    | 7,530   | 9,126   | 10,004  |
| <b>E. S. Central</b>   |                                          |                      |         |         |         |           |           |         |         |         |
| Kentucky               | 1912                                     | 18,621               | 44,734  | 60,329  | 68,942  | 92,737    | 86,168    | 57,533  | 51,328  | 62,126  |
| Tennessee              | 1915                                     | 5,757                | 11,484  | 14,766  | 15,130  | 19,497    | 23,552    | 20,174  | 18,169  | 22,806  |
| Alabama                | 1911                                     | 6,328                | 16,003  | 19,172  | 29,741  | 35,273    | 41,209    | 25,405  | 15,357  | 18,472  |
| Mississippi            | 1911                                     | 1,036                | 10,765  | 20,110  | 19,317  | 15,373    | 14,523    | 7,195   | 10,711  | 15,716  |
|                        | 1915                                     | 3,500                | 5,481   | 6,281   | 4,764   | 4,589     | 6,874     | 4,750   | 7,591   | 10,133  |
| <b>W. S. Central</b>   |                                          |                      |         |         |         |           |           |         |         |         |
| Arkansas               | 1913                                     | 26,897               | 58,119  | 84,901  | 104,613 | 136,738   | 133,635   | 101,980 | 88,229  | 84,026  |
| Louisiana              | 1910                                     |                      | 14,532  | 31,784  | 40,971  | 39,821    | 25,291    | 5,188   | 17,274  | 12,945  |
| Oklahoma               | 1910                                     | 5,347                | 10,763  | 11,157  | 17,143  | 29,357    | 50,033    | 38,852  | 26,781  | 15,139  |
| Texas                  | 1917                                     | 4,775                | 12,816  | 13,251  | 11,960  | 20,228    | 15,047    | 14,144  | 14,624  | 14,772  |
|                        |                                          | 16,775               | 20,018  | 28,710  | 34,530  | 47,332    | 42,164    | 42,796  | 40,650  | 40,170  |
| <b>Mountain</b>        |                                          |                      |         |         |         |           |           |         |         |         |
| Montana                | 1913                                     | 27,463               | 27,818  | 35,039  | 37,008  | 47,023    | 58,372    | 50,188  | 49,757  | 67,836  |
| Idaho                  | 1905                                     | 3,640                | 1,541   | 3,863   | 4,488   | 6,378     | 7,173     | 8,502   | 7,480   | 12,994  |
| Wyoming                | 1911                                     | 4,893                | 3,447   | 5,413   | 3,365   | 6,637     | 7,717     | 6,592   | 5,193   | 6,593   |
| Colorado               | 1909                                     | 3,448                | 2,273   | 3,600   | 3,123   | 3,590     | 7,097     | 5,151   | 4,360   | 5,983   |
| New Mexico             | 1909                                     | 4,156                | 5,232   | 6,957   | 7,142   | 8,144     | 11,862    | 6,799   | 6,686   | 11,011  |
| Arizona                | 1909                                     | 3,718                | 5,089   | 6,603   | 6,675   | 9,138     | 8,762     | 5,718   | 7,605   | 10,219  |
| Utah                   | 1909                                     | 2,948                | 2,608   | 2,443   | 4,873   | 5,233     | 7,242     | 7,041   | 5,491   | 7,508   |
| Nevada                 | 1911                                     | 3,107                | 3,929   | 3,692   | 4,545   | 5,193     | 6,824     | 6,037   | 6,084   | 7,325   |
|                        |                                          | 1,590                | 2,199   | 2,167   | 2,797   | 2,710     | 1,696     | 4,299   | 8,848   | 6,018   |
| <b>Pacific</b>         |                                          |                      |         |         |         |           |           |         |         |         |
| Washington             | 1905                                     | 38,339               | 39,450  | 49,126  | 57,382  | 68,215    | 71,632    | 72,665  | 61,256  | 83,546  |
| Oregon                 | 1913                                     | 9,696                | 8,528   | 13,893  | 15,702  | 15,806    | 17,681    | 19,494  | 11,032  | 21,241  |
| California             | 1895                                     | 17,828               | 10,263  | 10,268  | 11,328  | 14,068    | 17,139    | 13,188  | 12,060  | 15,116  |
|                        |                                          | 10,815               | 20,559  | 24,965  | 30,352  | 37,741    | 38,815    | 40,003  | 37,594  | 47,189  |

<sup>1</sup> Excludes expenditures of \$2,462,000 for flood relief work.

<sup>2</sup> For 6 months ended June 30.

<sup>3</sup> For 9 months ended June 30.

<sup>4</sup> Owing to change in fiscal year, data include some disbursements reported also in 1932.

<sup>5</sup> Data are for 1926.

<sup>6</sup> For 9 months ended Mar. 31, 1929.

<sup>7</sup> For 11 months ended Dec. 25.

<sup>8</sup> For 7 months ended June 30.

Source: Bureau of Public Roads, Department of Agriculture.

# No. 410.—FUNDS AVAILABLE AND DISTRIBUTION OF DISBURSEMENTS FOR STATE HIGHWAY PURPOSES, 1934

NOTE.—In thousands of dollars. Data for secondary roads under State control and urban extensions of State systems are included

| Division and State    | Funds available |                                                      |                      |                                           |                                | Distribution of disbursements |                                         |                               |                    |                                  |
|-----------------------|-----------------|------------------------------------------------------|----------------------|-------------------------------------------|--------------------------------|-------------------------------|-----------------------------------------|-------------------------------|--------------------|----------------------------------|
|                       | Total           | Motor-vehicle fees and motor-fuel taxes <sup>1</sup> | Federal aid receipts | Income from bonds, notes, and other loans | All other sources <sup>2</sup> | Total                         | Expenditures for highway purposes       |                               |                    | Other disbursements <sup>4</sup> |
|                       |                 |                                                      |                      |                                           |                                |                               | New and reconstructed roads and bridges | Maintenance roads and bridges | Other <sup>3</sup> |                                  |
| Cont'l. U. S. ....    | 1,296,642       | 576,726                                              | 354,812              | 40,969                                    | 323,135                        | 991,774                       | 554,278                                 | 178,999                       | 110,354            | 148,143                          |
| New England .....     | 100,927         | 54,854                                               | 15,291               | 8,788                                     | 21,896                         | 82,708                        | 54,627                                  | 14,407                        | 4,779              | 28,895                           |
| Maine .....           | 15,227          | 7,460                                                | 2,324                | 253                                       | 5,190                          | 12,988                        | 5,090                                   | 3,950                         | 1,524              | 2,418                            |
| N. Hampshire .....    | 9,319           | 5,040                                                | 2,047                | 900                                       | 1,332                          | 9,113                         | 3,742                                   | 2,837                         | 717                | 1,817                            |
| Vermont .....         | 7,625           | 3,766                                                | 1,440                | —                                         | 2,310                          | 5,905                         | 1,955                                   | 628                           | 393                | 2,959                            |
| Massachusetts .....   | 43,516          | 22,610                                               | 4,776                | 7,638                                     | 8,497                          | 33,204                        | 11,707                                  | 2,922                         | 933                | 17,642                           |
| Rhode Island .....    | 7,988           | 4,033                                                | 1,325                | —                                         | 2,630                          | 5,081                         | 2,797                                   | 1,103                         | 423                | 6,698                            |
| Connecticut .....     | 16,752          | 11,445                                               | 3,379                | —                                         | 1,928                          | 16,417                        | 9,336                                   | 2,961                         | 759                | 3,361                            |
| Middle Atlantic ..... | 319,853         | 112,238                                              | 45,472               | 17,755                                    | 144,380                        | 184,343                       | 102,477                                 | 32,382                        | 25,779             | 23,725                           |
| New York .....        | 123,971         | 20,589                                               | 20,927               | 17,755                                    | 64,700                         | 60,262                        | 43,228                                  | 7,192                         | 7,269              | 2,573                            |
| New Jersey .....      | 82,872          | 32,815                                               | 6,071                | —                                         | 43,186                         | 31,612                        | 11,162                                  | 2,477                         | 4,019              | 13,354                           |
| Pennsylvania .....    | 113,210         | 58,332                                               | 17,874               | —                                         | 36,504                         | 92,469                        | 48,087                                  | 22,603                        | 13,891             | 7,798                            |
| E. N. Central .....   | 231,840         | 99,446                                               | 66,263               | —                                         | 65,602                         | 168,249                       | 92,051                                  | 34,272                        | 16,494             | 25,482                           |
| Ohio .....            | 40,599          | 10,254                                               | 20,584               | —                                         | 9,781                          | 44,067                        | 26,402                                  | 11,997                        | 2,396              | 3,272                            |
| Indiana .....         | 25,497          | 11,593                                               | 9,356                | —                                         | 4,548                          | 21,805                        | 15,971                                  | 4,617                         | 1,205              | 75                               |
| Illinois .....        | 56,828          | 25,481                                               | 13,664               | —                                         | 17,683                         | 43,476                        | 24,392                                  | 4,180                         | 9,851              | 5,053                            |
| Michigan .....        | 59,449          | 14,151                                               | 15,310               | —                                         | 20,988                         | 25,428                        | 15,290                                  | 8,034                         | 2,647              | 1,557                            |
| Wisconsin .....       | 39,967          | 28,966                                               | 7,379                | —                                         | 3,622                          | 30,410                        | 9,996                                   | 4,544                         | 355                | 15,505                           |
| W. N. Central .....   | 141,384         | 65,189                                               | 55,665               | 5,112                                     | 15,418                         | 128,128                       | 69,302                                  | 20,388                        | 14,384             | 22,092                           |
| Minnesota .....       | 20,028          | 12,364                                               | 9,719                | —                                         | 3,945                          | 22,796                        | 9,614                                   | 5,510                         | 2,190              | 5,482                            |
| Iowa .....            | 20,410          | 14,759                                               | 7,481                | —                                         | 4,170                          | 23,586                        | 10,597                                  | 2,463                         | 5,202              | 5,324                            |
| Missouri .....        | 35,536          | 16,701                                               | 11,281               | 5,069                                     | 2,485                          | 31,650                        | 18,484                                  | 4,532                         | 5,634              | 3,000                            |
| North Dakota .....    | 7,572           | 1,602                                                | 5,305                | —                                         | 705                            | 7,160                         | 4,980                                   | 1,280                         | 84                 | 816                              |
| South Dakota .....    | 7,557           | 2,275                                                | 4,582                | —                                         | 706                            | 6,818                         | 4,351                                   | 917                           | 132                | 1,418                            |
| Nebraska .....        | 13,768          | 5,873                                                | 6,082                | —                                         | 913                            | 12,855                        | 8,712                                   | 3,001                         | 240                | 872                              |
| Kansas .....          | 24,513          | 11,055                                               | 10,315               | 43                                        | 2,500                          | 21,291                        | 12,564                                  | 2,665                         | 882                | 5,180                            |
| South Atlantic .....  | 185,970         | 91,410                                               | 38,778               | 5,794                                     | 29,988                         | 133,014                       | 60,054                                  | 32,338                        | 18,121             | 22,506                           |
| Delaware .....        | 5,581           | 2,154                                                | 1,901                | —                                         | 1,526                          | 4,460                         | 2,786                                   | 370                           | 716                | 588                              |
| Maryland .....        | 21,948          | 12,057                                               | 2,510                | 3,794                                     | 3,587                          | 18,787                        | 7,198                                   | 2,047                         | 1,400              | 8,142                            |
| Virginia .....        | 22,479          | 10,802                                               | 7,485                | —                                         | 1,308                          | 21,688                        | 9,301                                   | 10,537                        | 1,424              | 428                              |
| West Virginia .....   | 23,746          | 11,176                                               | 3,314                | 2,000                                     | 7,256                          | 19,550                        | 5,517                                   | 5,500                         | 4,960              | 3,573                            |
| N. Carolina .....     | 40,769          | 23,413                                               | 6,409                | —                                         | 10,977                         | 26,103                        | 7,974                                   | 7,213                         | 5,223              | 5,093                            |
| S. Carolina .....     | 17,202          | 8,524                                                | 4,204                | —                                         | 4,474                          | 13,872                        | 4,533                                   | 1,404                         | 3,600              | 4,075                            |
| Georgia .....         | 19,402          | 10,203                                               | 6,352                | —                                         | 2,757                          | 12,750                        | 11,283                                  | 1,221                         | 246                | —                                |
| Florida .....         | 14,813          | 6,991                                                | 6,603                | —                                         | 1,219                          | 16,004                        | 11,462                                  | 4,041                         | 492                | 9                                |
| E. S. Central .....   | 71,157          | 32,335                                               | 28,924               | —                                         | 8,098                          | 62,126                        | 38,041                                  | 9,466                         | 9,564              | 4,165                            |
| Kentucky .....        | 16,949          | 11,490                                               | 6,485                | —                                         | 1,026                          | 17,805                        | 12,452                                  | 3,343                         | 1,765              | 245                              |
| Tennessee .....       | 26,072          | 10,791                                               | 7,396                | —                                         | 7,835                          | 18,472                        | 9,662                                   | 2,246                         | 4,984              | 1,580                            |
| Alabama .....         | 17,739          | 7,274                                                | 8,482                | —                                         | 2,003                          | 15,718                        | 9,593                                   | 1,823                         | 2,590              | 1,701                            |
| Mississippi .....     | 10,397          | 3,680                                                | 6,581                | —                                         | 136                            | 10,133                        | 7,234                                   | 2,044                         | 216                | 639                              |
| W. S. Central .....   | 92,893          | 47,080                                               | 40,315               | 508                                       | 5,012                          | 84,028                        | 54,265                                  | 14,511                        | 10,303             | 4,959                            |
| Arkansas .....        | 15,634          | 8,999                                                | 6,033                | —                                         | 602                            | 12,945                        | 6,033                                   | 1,622                         | 3,761              | 1,529                            |
| Louisiana .....       | 16,715          | 10,730                                               | 4,182                | 506                                       | 1,288                          | 16,139                        | 6,185                                   | 1,951                         | 4,573              | 3,430                            |
| Oklahoma .....        | 13,670          | 6,939                                                | 8,160                | —                                         | 1,429                          | 14,772                        | 11,896                                  | 2,124                         | 752                | —                                |
| Texas .....           | 46,874          | 20,383                                               | 21,940               | —                                         | 4,551                          | 40,170                        | 30,139                                  | 8,814                         | 1,217              | —                                |
| Mountain .....        | 77,867          | 21,821                                               | 41,333               | 3,016                                     | 11,197                         | 67,638                        | 51,348                                  | 8,406                         | 4,816              | 3,066                            |
| Montana .....         | 18,698          | 8,428                                                | 7,002                | 1,516                                     | 1,752                          | 12,984                        | 9,901                                   | 1,558                         | 697                | 858                              |
| Idaho .....           | 7,520           | 2,992                                                | 3,814                | —                                         | 714                            | 6,593                         | 4,918                                   | 968                           | 169                | 548                              |
| Wyoming .....         | 6,560           | 1,786                                                | 4,236                | —                                         | 538                            | 5,983                         | 4,849                                   | 627                           | 337                | 170                              |
| Colorado .....        | 11,402          | 3,254                                                | 7,024                | —                                         | 1,124                          | 11,011                        | 8,607                                   | 1,330                         | 806                | 268                              |
| New Mexico .....      | 11,069          | 3,094                                                | 5,716                | 1,500                                     | 759                            | 10,219                        | 6,643                                   | 950                           | 1,603              | 1,023                            |
| Arizona .....         | 7,770           | 2,472                                                | 4,747                | —                                         | 551                            | 7,503                         | 6,092                                   | 971                           | 421                | 19                               |
| Utah .....            | 13,123          | 3,536                                                | 4,010                | —                                         | 5,577                          | 7,325                         | 5,185                                   | 1,435                         | 704                | —                                |
| Nevada .....          | 6,225           | 1,259                                                | 4,784                | —                                         | 132                            | 6,018                         | 5,152                                   | 507                           | 119                | 180                              |
| Pacific .....         | 95,351          | 51,976                                               | 22,741               | —                                         | 20,634                         | 83,546                        | 51,225                                  | 12,884                        | 6,194              | 13,273                           |
| Washington .....      | 22,451          | 14,306                                               | 5,341                | —                                         | 2,804                          | 21,241                        | 10,818                                  | 2,674                         | 526                | 7,220                            |
| Oregon .....          | 17,101          | 9,662                                                | 6,024                | —                                         | 1,415                          | 15,116                        | 7,087                                   | 2,549                         | 1,693              | 3,787                            |
| California .....      | 55,799          | 28,008                                               | 11,376               | —                                         | 16,415                         | 47,189                        | 33,320                                  | 7,661                         | 3,942              | 2,266                            |

<sup>1</sup> Includes motor-carrier taxes.

<sup>2</sup> Includes balance from previous year, transfers from local sources, and miscellaneous revenue.

<sup>3</sup> Includes net expenditures for equipment, interest on bonds and notes, and miscellaneous expenses.

In a large number of States equipment costs are charged to construction and maintenance, generally through a system of rentals, and in these cases only the net figure in the equipment account is included.

<sup>4</sup> Principal payments on bonds and notes, transfers to local units, and miscellaneous disbursements.

<sup>5</sup> Deficit from previous year.

Source: Bureau of Public Roads, Department of Agriculture.



# No. 411.—FEDERAL AID AND EMERGENCY ROAD CONSTRUCTION: STATUS AS OF DEC. 31, 1935

[All figures, except mileage data, in thousands of dollars]

| Division and State             | Federal-aid road construction                        |                                          |                      |         |                                              |                                    | Emergency road construction <sup>1</sup> |                                          |                          |          |                                            |          |
|--------------------------------|------------------------------------------------------|------------------------------------------|----------------------|---------|----------------------------------------------|------------------------------------|------------------------------------------|------------------------------------------|--------------------------|----------|--------------------------------------------|----------|
|                                | Mileage completed prior to Jan. 1, 1936 <sup>2</sup> | Projects under construction <sup>3</sup> |                      |         | Federal-aid funds available for new projects | Total allotment of emergency funds | Mileage completed prior to Jan. 1, 1936  | Projects under construction <sup>4</sup> |                          |          | Emergency funds available for new projects |          |
|                                |                                                      | Total cost                               | Federal aid allotted | Mileage |                                              |                                    |                                          | Total cost                               | Emergency funds allotted | Mileage  |                                            |          |
| Grand total <sup>5</sup> ..... | 121, 445                                             | 86, 111                                  | 34, 416              | 3, 116  | 2, 843                                       | 65, 543                            | 789, 000                                 | 32, 636                                  | 108, 877                 | 103, 524 | 4, 806                                     | 132, 916 |
| New England.....               | 3, 383                                               | 3, 403                                   | 1, 896               | 119     | 52                                           | 3, 549                             | 37, 274                                  | 660                                      | 5, 319                   | 5, 288   | 72                                         | 7, 659   |
| Maine.....                     | 592                                                  | 1, 697                                   | 799                  | 50      | —                                            | 185                                | 0, 758                                   | 185                                      | 965                      | 965      | 41                                         | 537      |
| New Hampshire.....             | 465                                                  | 697                                      | 342                  | 18      | —                                            | 206                                | 3, 825                                   | 77                                       | 197                      | 196      | 7                                          | 704      |
| Vermont.....                   | 426                                                  | 1, 109                                   | 555                  | 61      | —                                            | 16                                 | 3, 740                                   | 138                                      | 245                      | 230      | 7                                          | 470      |
| Massachusetts.....             | 938                                                  | —                                        | —                    | —       | 52                                           | 1, 742                             | 13, 210                                  | 103                                      | 3, 374                   | 3, 374   | 12                                         | 3, 598   |
| Rhode Island.....              | 299                                                  | —                                        | —                    | —       | —                                            | 609                                | 4, 002                                   | 88                                       | 179                      | 177      | 1                                          | 805      |
| Connecticut.....               | 343                                                  | —                                        | —                    | —       | —                                            | 791                                | 5, 730                                   | 60                                       | 350                      | 344      | 4                                          | 1, 536   |
| Middle Atlantic.....           | 8, 382                                               | 11, 452                                  | 5, 712               | 201     | 76                                           | 3, 639                             | 95, 231                                  | 1, 858                                   | 12, 105                  | 10, 703  | 170                                        | 17, 588  |
| New York.....                  | 4, 030                                               | 7, 023                                   | 3, 408               | 131     | 32                                           | 1, 350                             | 44, 704                                  | 788                                      | 7, 121                   | 6, 122   | 65                                         | 6, 183   |
| New Jersey.....                | 693                                                  | 1, 286                                   | 643                  | 23      | 13                                           | 17                                 | 12, 697                                  | 70                                       | 3, 080                   | 2, 760   | 19                                         | 2, 075   |
| Pennsylvania.....              | 3, 639                                               | 3, 143                                   | 1, 571               | 47      | 31                                           | 2, 272                             | 37, 830                                  | 994                                      | 1, 898                   | 1, 812   | 86                                         | 9, 330   |
| East North Central.....        | 16, 301                                              | 10, 821                                  | 6, 561               | 357     | 98                                           | 8, 875                             | 131, 255                                 | 2, 834                                   | 23, 485                  | 22, 904  | 804                                        | 15, 834  |
| Ohio.....                      | 3, 236                                               | 450                                      | 225                  | 5       | 98                                           | 2, 999                             | 31, 020                                  | 743                                      | 3, 157                   | 2, 090   | 40                                         | 5, 817   |
| Indiana.....                   | 2, 440                                               | 3, 192                                   | 1, 551               | 99      | —                                            | 401                                | 20, 008                                  | 363                                      | 4, 125                   | 4, 089   | 158                                        | 2, 450   |
| Illinois.....                  | 3, 787                                               | 2, 947                                   | 1, 375               | 69      | —                                            | 2, 286                             | 35, 188                                  | 553                                      | 7, 871                   | 7, 871   | 212                                        | 4, 363   |
| Michigan.....                  | 2, 771                                               | 3, 201                                   | 1, 598               | 131     | —                                            | 1, 091                             | 25, 490                                  | 870                                      | 9, 730                   | 9, 678   | 324                                        | 342      |
| Wisconsin.....                 | 3, 007                                               | 1, 031                                   | 602                  | 63      | —                                            | 2, 098                             | 19, 401                                  | 605                                      | 1, 576                   | 1, 306   | 70                                         | 2, 922   |
| West North Central.....        | 31, 985                                              | 10, 949                                  | 5, 038               | 654     | 174                                          | 10, 942                            | 125, 406                                 | 9, 707                                   | 14, 731                  | 14, 163  | 1, 194                                     | 20, 369  |
| Minnesota.....                 | 4, 608                                               | 2, 569                                   | 1, 093               | 142     | —                                            | 1, 821                             | 21, 359                                  | 1, 056                                   | 1, 488                   | 1, 382   | 91                                         | 3, 655   |
| Iowa.....                      | 3, 853                                               | 3, 886                                   | 1, 831               | 203     | —                                            | 377                                | 20, 106                                  | 1, 212                                   | 1, 035                   | 980      | 50                                         | 3, 036   |
| Missouri.....                  | 3, 659                                               | 2, 615                                   | 1, 308               | 106     | 49                                           | 1, 445                             | 24, 367                                  | 1, 330                                   | 5, 587                   | 5, 474   | 373                                        | 2, 014   |
| North Dakota.....              | 6, 126                                               | 2, 615                                   | —                    | —       | 125                                          | 1, 960                             | 11, 611                                  | 1, 959                                   | 1, 874                   | 1, 020   | 166                                        | 3, 207   |
| South Dakota.....              | 4, 793                                               | 517                                      | 253                  | 35      | —                                            | 1, 716                             | 12, 036                                  | 1, 493                                   | 1, 878                   | 1, 874   | 183                                        | 2, 387   |
| Nebraska.....                  | 4, 641                                               | 739                                      | 370                  | 73      | —                                            | 1, 714                             | 15, 664                                  | 992                                      | 1, 580                   | 1, 345   | 123                                        | 1, 745   |
| Kansas.....                    | 4, 305                                               | 365                                      | 153                  | 96      | —                                            | 1, 909                             | 20, 202                                  | 1, 065                                   | 3, 079                   | 3, 079   | 22                                         | 2, 465   |
| South Atlantic.....            | 14, 210                                              | 2, 971                                   | 1, 486               | 282     | 336                                          | 11, 590                            | 99, 130                                  | 3, 730                                   | 11, 255                  | 10, 993  | 984                                        | 23, 271  |
| Delaware.....                  | 421                                                  | —                                        | —                    | —       | —                                            | 400                                | 3, 043                                   | 129                                      | 42                       | 42       | —                                          | 561      |
| Maryland.....                  | 915                                                  | —                                        | —                    | —       | —                                            | 1, 026                             | 7, 125                                   | 114                                      | 1, 168                   | 1, 156   | 33                                         | 2, 272   |
| Dist. of Col.....              | —                                                    | —                                        | —                    | —       | —                                            | —                                  | 3, 842                                   | 20                                       | 604                      | 604      | 6                                          | 206      |
| Virginia.....                  | 2, 230                                               | 54                                       | 27                   | 2       | 68                                           | 1, 639                             | 14, 835                                  | 570                                      | 1, 281                   | 1, 268   | 454                                        | 2, 011   |
| West Virginia.....             | 1, 056                                               | 494                                      | 247                  | 29      | 11                                           | 1, 037                             | 8, 986                                   | 183                                      | 1, 836                   | 1, 784   | 57                                         | 1, 003   |
| North Carolina.....            | 2, 942                                               | 1, 091                                   | 546                  | 184     | 12                                           | 2, 355                             | 10, 083                                  | 1, 422                                   | 2, 471                   | 1, 454   | 70                                         | 3, 717   |
| South Carolina.....            | 2, 239                                               | —                                        | —                    | —       | 6                                            | 1, 693                             | 10, 932                                  | 458                                      | 2, 168                   | 2, 120   | 155                                        | 2, 786   |
| Georgia.....                   | 3, 534                                               | 596                                      | 296                  | 37      | 149                                          | 2, 231                             | 20, 104                                  | 659                                      | 1, 571                   | 1, 523   | 77                                         | 5, 562   |
| Florida.....                   | 3, 725                                               | 736                                      | 368                  | 30      | 90                                           | 1, 209                             | 10, 490                                  | 275                                      | 1, 124                   | 1, 042   | 42                                         | 1, 594   |
| East South Central.....        | 8, 896                                               | 2, 930                                   | 1, 395               | 171     | 1, 518                                       | 7, 454                             | 62, 807                                  | 2, 439                                   | 9, 912                   | 9, 238   | 471                                        | 8, 488   |
| Kentucky.....                  | 2, 214                                               | 1, 896                                   | 973                  | 130     | 18                                           | 688                                | 15, 062                                  | 739                                      | 1, 994                   | 1, 879   | 136                                        | 1, 714   |
| Tennessee.....                 | 1, 925                                               | 834                                      | 417                  | 41      | 14                                           | 1, 965                             | 16, 985                                  | 483                                      | 1, 830                   | 1, 733   | 43                                         | 3, 605   |
| Alabama.....                   | 2, 586                                               | —                                        | —                    | —       | 451                                          | 2, 604                             | 16, 781                                  | 653                                      | 2, 663                   | 2, 406   | 104                                        | 1, 427   |
| Mississippi.....               | 2, 171                                               | —                                        | —                    | —       | 1, 035                                       | 2, 197                             | 13, 976                                  | 564                                      | 3, 525                   | 3, 205   | 183                                        | 1, 032   |
| West South Central.....        | 15, 904                                              | 8, 767                                   | 4, 282               | 418     | 392                                          | 8, 940                             | 92, 219                                  | 4, 077                                   | 13, 879                  | 13, 489  | 636                                        | 13, 410  |
| Arkansas.....                  | 2, 258                                               | —                                        | —                    | —       | 118                                          | 2, 143                             | 13, 528                                  | 530                                      | 1, 764                   | 1, 760   | 122                                        | 1, 781   |
| Louisiana.....                 | 1, 678                                               | 1, 376                                   | 681                  | 32      | 42                                           | 608                                | 11, 683                                  | 195                                      | 2, 357                   | 2, 315   | 55                                         | 1, 901   |
| Oklahoma.....                  | 2, 804                                               | 2, 267                                   | 1, 091               | 87      | 150                                          | 1, 984                             | 19, 483                                  | 753                                      | 1, 746                   | 1, 744   | 84                                         | 2, 707   |
| Texas.....                     | 9, 164                                               | 5, 124                                   | 2, 510               | 299     | 12                                           | 4, 116                             | 48, 525                                  | 2, 699                                   | 8, 006                   | 7, 950   | 395                                        | 6, 071   |
| Mountain.....                  | 17, 283                                              | 9, 064                                   | 6, 009               | 751     | 180                                          | 5, 975                             | 86, 152                                  | 6, 702                                   | 5, 876                   | 5, 518   | 494                                        | 11, 944  |
| Montana.....                   | 3, 735                                               | 1, 072                                   | 600                  | 95      | —                                            | 1, 521                             | 14, 886                                  | 1, 001                                   | 1, 521                   | 1, 521   | 75                                         | 1, 301   |
| Idaho.....                     | 1, 844                                               | 1, 011                                   | 596                  | 98      | —                                            | 727                                | 8, 986                                   | 439                                      | 1, 112                   | 1, 069   | 45                                         | 1, 408   |
| Wyoming.....                   | 2, 598                                               | 1, 860                                   | 1, 146               | 175     | 30                                           | 13                                 | 9, 008                                   | 988                                      | 747                      | 681      | 69                                         | 1, 299   |
| Colorado.....                  | 2, 021                                               | 1, 081                                   | 605                  | 46      | —                                            | 1, 179                             | 13, 758                                  | 637                                      | 682                      | 682      | 49                                         | 2, 336   |
| New Mexico.....                | 2, 535                                               | 1, 153                                   | 701                  | 103     | —                                            | 1, 175                             | 11, 606                                  | 748                                      | 1, 797                   | 1, 797   | 73                                         | 2, 180   |
| Arizona.....                   | 1, 459                                               | 1, 489                                   | 1, 231               | 91      | —                                            | 230                                | 10, 424                                  | 523                                      | 1, 670                   | 1, 559   | 82                                         | 1, 135   |
| Utah.....                      | 1, 492                                               | 505                                      | 365                  | 47      | 100                                          | 823                                | 8, 395                                   | 580                                      | 1, 078                   | 858      | 40                                         | 1, 850   |
| Nevada.....                    | 1, 599                                               | 883                                      | 765                  | 96      | —                                            | 725                                | 9, 001                                   | 736                                      | 1, 168                   | 1, 127   | 53                                         | 935      |
| Pacific.....                   | 6, 992                                               | 6, 119                                   | 3, 548               | 166     | —                                            | 4, 085                             | 55, 778                                  | 1, 498                                   | 7, 834                   | 6, 086   | 125                                        | 5, 442   |
| Washington.....                | 1, 469                                               | 946                                      | 499                  | 40      | —                                            | 664                                | 12, 248                                  | 300                                      | 1, 597                   | 1, 536   | 42                                         | 1, 162   |
| Oregon.....                    | 1, 814                                               | 2, 181                                   | 1, 323               | 87      | —                                            | 572                                | 12, 243                                  | 461                                      | 1, 255                   | 1, 183   | 29                                         | 1, 411   |
| California.....                | 2, 709                                               | 2, 992                                   | 1, 728               | 39      | —                                            | 2, 840                             | 31, 287                                  | 737                                      | 5, 882                   | 5, 307   | 54                                         | 2, 879   |
| Hawaii.....                    | 182                                                  | —                                        | —                    | —       | 188                                          | 492                                | 3, 747                                   | 92                                       | 1, 408                   | 1, 235   | 19                                         | 977      |

<sup>1</sup> As provided by the National Industrial Recovery Act, by the act of June 18, 1934, and by the Emergency Relief Appropriation Act of 1935. The act of 1935 also provided \$196,000,000 (excluding administrative funds) for grade-crossing projects, data for which are not included in this table.

<sup>2</sup> Includes new and reconstructed mileage.

<sup>3</sup> Projects approved for construction: 1,415 miles, estimated cost, \$38,410,000; Federal aid allotted, \$19,235,000.

<sup>4</sup> Projects approved for construction: 4,488 miles; emergency funds allotted, \$59,678,000.

<sup>5</sup> Includes Hawaii.

Source: Bureau of Public Roads, Department of Agriculture.

## No. 412.—PRODUCTION AND REGISTRATION OF MOTOR VEHICLES

NOTE.—Figures for earlier years are largely estimates. Beginning with 1921, data include production of plants located in Canada, making motor vehicles of United States design, and cars assembled in foreign countries from American parts; figures represent factory sales for United States plants and production for Canadian plants. Motor cycles and trailers are not included

| Year              | Production <sup>1</sup>  |                     |                              |                                           |                     |                              | Registration<br>(in thousands) |                                              |                                                     |
|-------------------|--------------------------|---------------------|------------------------------|-------------------------------------------|---------------------|------------------------------|--------------------------------|----------------------------------------------|-----------------------------------------------------|
|                   | Number<br>(in thousands) |                     |                              | Wholesale value<br>(thousands of dollars) |                     |                              | Total                          | Passen-<br>ger cars,<br>busses,<br>and taxis | Trucks<br>and<br>road<br>trac-<br>tors <sup>2</sup> |
|                   | Total                    | Passen-<br>ger cars | Motor<br>trucks <sup>3</sup> | Total                                     | Passen-<br>ger cars | Motor<br>trucks <sup>3</sup> |                                |                                              |                                                     |
| 1900 <sup>4</sup> | 4                        | 4                   | —                            | 4, 899                                    | 4, 899              | —                            | 8                              | —                                            | —                                                   |
| 1905              | 25                       | 25                  | (*)                          | 40, 000                                   | 39, 030             | 970                          | 78                             | 77                                           | 1                                                   |
| 1906              | 34                       | 33                  | 1                            | 62, 900                                   | 61, 850             | 1, 050                       | 107                            | 106                                          | 1                                                   |
| 1907              | 44                       | 43                  | 1                            | 93, 400                                   | 92, 040             | 1, 360                       | 142                            | 140                                          | 2                                                   |
| 1908              | 55                       | 53                  | 2                            | 137, 800                                  | 135, 250            | 2, 550                       | 198                            | 194                                          | 3                                                   |
| 1909 <sup>4</sup> | 131                      | 128                 | 3                            | 165, 149                                  | 159, 919            | 5, 230                       | 312                            | 306                                          | 6                                                   |
| 1910              | 187                      | 181                 | 6                            | 225, 000                                  | 215, 340            | 9, 660                       | 468                            | 458                                          | 10                                                  |
| 1911              | 210                      | 199                 | 11                           | 246, 000                                  | 225, 000            | 21, 000                      | 640                            | 620                                          | 20                                                  |
| 1912              | 378                      | 358                 | 22                           | 378, 000                                  | 335, 000            | 43, 000                      | 944                            | 903                                          | 41                                                  |
| 1913              | 485                      | 462                 | 23                           | 443, 902                                  | 399, 902            | 44, 000                      | 1, 258                         | 1, 194                                       | 64                                                  |
| 1914 <sup>4</sup> | 569                      | 544                 | 25                           | 458, 958                                  | 413, 859            | 45, 098                      | 1, 711                         | 1, 626                                       | 86                                                  |
| 1915              | 970                      | 898                 | 74                           | 701, 778                                  | 575, 978            | 125, 800                     | 2, 446                         | 2, 310                                       | 136                                                 |
| 1916              | 1, 618                   | 1, 526              | 92                           | 1, 082, 378                               | 921, 378            | 161, 000                     | 3, 513                         | 3, 298                                       | 215                                                 |
| 1917              | 1, 874                   | 1, 746              | 128                          | 1, 274, 489                               | 1, 053, 506         | 220, 983                     | 4, 983                         | 4, 657                                       | 326                                                 |
| 1918              | 1, 171                   | 943                 | 227                          | 1, 236, 107                               | 801, 938            | 434, 169                     | 6, 147                         | 5, 622                                       | 525                                                 |
| 1919              | 1, 934                   | 1, 658              | 276                          | 1, 885, 113                               | 1, 461, 786         | 423, 327                     | 7, 565                         | 6, 771                                       | 794                                                 |
| 1920              | 2, 227                   | 1, 906              | 322                          | 2, 232, 420                               | 1, 809, 171         | 423, 249                     | 9, 232                         | 8, 226                                       | 1, 006                                              |
| 1921              | 1, 682                   | 1, 518              | 164                          | 1, 261, 667                               | 1, 061, 762         | 199, 914                     | 10, 463                        | 9, 483                                       | 980                                                 |
| 1922              | 2, 646                   | 2, 369              | 277                          | 1, 793, 023                               | 1, 561, 741         | 231, 282                     | 12, 238                        | 10, 960                                      | 1, 279                                              |
| 1923              | 4, 180                   | 3, 754              | 427                          | 2, 592, 033                               | 2, 274, 554         | 317, 479                     | 15, 091                        | 13, 538                                      | 1, 553                                              |
| 1924              | 3, 738                   | 3, 304              | 434                          | 2, 367, 413                               | 2, 040, 707         | 326, 706                     | 17, 594                        | 15, 461                                      | 2, 133                                              |
| 1925              | 4, 428                   | 3, 871              | 557                          | 3, 015, 164                               | 2, 544, 529         | 470, 635                     | 19, 937                        | 17, 496                                      | 2, 441                                              |
| 1926              | 4, 508                   | 3, 949              | 557                          | 3, 214, 817                               | 2, 746, 065         | 468, 753                     | 22, 001                        | 19, 237                                      | 2, 764                                              |
| 1927              | 3, 580                   | 3, 083              | 497                          | 2, 700, 706                               | 2, 265, 633         | 435, 073                     | 23, 133                        | 20, 219                                      | 2, 914                                              |
| 1928              | 4, 601                   | 4, 012              | 589                          | 3, 162, 799                               | 2, 703, 754         | 459, 045                     | 24, 493                        | 21, 379                                      | 3, 114                                              |
| 1929              | 5, 622                   | 4, 795              | 827                          | 3, 576, 646                               | 2, 981, 142         | 595, 504                     | 26, 501                        | 23, 122                                      | 3, 380                                              |
| 1930              | 3, 510                   | 2, 910              | 600                          | 2, 126, 602                               | 1, 720, 652         | 405, 950                     | 26, 545                        | 23, 059                                      | 3, 486                                              |
| 1931              | 2, 472                   | 2, 038              | 434                          | 1, 426, 656                               | 1, 153, 908         | 272, 748                     | 25, 839                        | 22, 366                                      | 3, 467                                              |
| 1932              | 1, 431                   | 1, 186              | 245                          | 793, 045                                  | 650, 781            | 142, 264                     | 24, 115                        | 20, 886                                      | 3, 229                                              |
| 1933              | 1, 936                   | 1, 627              | 309                          | 887, 436                                  | 795, 305            | 192, 132                     | 33, 844                        | 20, 016                                      | 3, 227                                              |
| 1934              | 2, 870                   | 2, 271              | 599                          | 1, 537, 290                               | 1, 204, 376         | 332, 914                     | 24, 961                        | 21, 546                                      | 3, 415                                              |
| 1935              | 4, 120                   | 3, 388              | 732                          | 2, 187, 847                               | 1, 738, 635         | 399, 212                     | 26, 221                        | 22, 565                                      | 3, 656                                              |

<sup>1</sup> See headnote.

<sup>2</sup> Road tractors are not included prior to 1924.

<sup>3</sup> A substantial part of the trucks reported comprises chassis without body; hence the value of bodies for these chassis is not included.

<sup>4</sup> Production data are from United States Census Reports and in 1900 are for fiscal year ended June 30.

<sup>5</sup> Less than 500.

Sources: Automobile Manufacturers Association and Bureau of Public Roads.

## No. 413.—FACTORY SALES OF PASSENGER CARS (UNITED STATES AND CANADA) BY WHOLESALE PRICE CLASSES, AND PERCENTAGE OF CLOSED CARS

NOTE.—For index numbers of retail sales of new passenger cars see table 819, p. 802

| Year | Number sold |                    |                   |                     |                       |                       |                       |                 | Per-<br>cent-<br>age of<br>closed<br>cars |
|------|-------------|--------------------|-------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------|-------------------------------------------|
|      | Total       | \$500 and<br>under | \$501 to<br>\$750 | \$751 to<br>\$1,000 | \$1,001 to<br>\$1,500 | \$1,501 to<br>\$2,000 | \$2,001 to<br>\$3,000 | Over<br>\$3,000 |                                           |
| 1925 | 3, 870, 744 | 2, 019, 708        | 660, 520          | 545, 981            | 462, 243              | 103, 119              | 54, 814               | 24, 359         | 56. 5                                     |
| 1926 | 3, 048, 843 | 1, 633, 775        | 1, 149, 301       | 500, 508            | 476, 075              | 94, 915               | 73, 738               | 19, 931         | 72. 0                                     |
| 1927 | 3, 083, 360 | 1, 039, 216        | 957, 987          | 446, 663            | 466, 902              | 107, 425              | 50, 064               | 15, 103         | 84. 9                                     |
| 1928 | 4, 012, 158 | 1, 698, 603        | 1, 219, 266       | 462, 452            | 456, 117              | 108, 448              | 55, 304               | 11, 968         | 88. 5                                     |
| 1929 | 4, 794, 898 | 2, 585, 414        | 1, 317, 116       | 387, 835            | 347, 340              | 98, 086               | 47, 587               | 11, 520         | 89. 4                                     |
| 1930 | 2, 910, 187 | 1, 754, 747        | 680, 352          | 204, 450            | 179, 150              | 55, 351               | 27, 266               | 8, 841          | 90. 4                                     |
| 1931 | 2, 038, 183 | 1, 328, 294        | 413, 929          | 162, 954            | 80, 687               | 33, 846               | 12, 714               | 5, 769          | 92. 9                                     |
| 1932 | 1, 186, 185 | 794, 164           | 260, 831          | 74, 610             | 36, 670               | 8, 699                | 8, 679                | 2, 532          | 96. 0                                     |
| 1933 | 1, 627, 361 | 1, 316, 341        | 237, 099          | 32, 610             | 20, 125               | 10, 409               | 8, 725                | 2, 052          | 98. 5                                     |
| 1934 | 2, 270, 566 | 1, 443, 357        | 715, 989          | 86, 223             | 27, 576               | 8, 391                | 8, 879                | 2, 151          | 98. 8                                     |
| 1935 | 3, 387, 806 | 1, 787, 171        | 1, 444, 529       | 110, 813            | 28, 736               | 8, 716                | 5, 413                | 2, 428          | 98. 6                                     |

Source: Automobile Manufacturers Association.

## No. 414.—MOTOR-VEHICLE PRODUCTION IN THE UNITED STATES 1

| Month                   | 1928      | 1929      | 1930      | 1931      | 1932      | 1933      | 1934      | 1935      | 1936    |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| Passenger cars          |           |           |           |           |           |           |           |           |         |
| Total                   | 3,816,417 | 4,687,400 | 2,784,746 | 1,973,080 | 1,135,491 | 1,573,512 | 2,177,919 | 3,252,244 | -----   |
| January                 | 205,539   | 347,609   | 233,815   | 138,317   | 98,803    | 109,833   | 112,754   | 227,554   | 298,274 |
| February                | 291,006   | 406,171   | 280,016   | 180,419   | 94,110    | 90,128    | 136,774   | 273,570   | 224,816 |
| March                   | 371,283   | 513,650   | 330,922   | 231,244   | 99,399    | 97,469    | 279,274   | 359,410   | 343,523 |
| April                   | 364,281   | 537,564   | 372,932   | 286,917   | 120,937   | 149,766   | 298,355   | 387,158   | 417,133 |
| May                     | 374,680   | 516,181   | 361,368   | 271,475   | 157,756   | 180,651   | 273,784   | 305,547   | 385,507 |
| June                    | 355,685   | 462,749   | 286,936   | 210,896   | 160,838   | 207,597   | 261,280   | 294,182   | 375,894 |
| July                    | 337,580   | 425,998   | 222,205   | 184,173   | 94,705    | 191,265   | 223,094   | 274,344   | -----   |
| August                  | 398,722   | 441,820   | 183,918   | 155,425   | 75,907    | 191,414   | 183,500   | 181,130   | -----   |
| September               | 357,704   | 364,336   | 176,426   | 109,228   | 64,748    | 157,376   | 125,040   | 66,097    | -----   |
| October                 | 338,833   | 319,330   | 113,808   | 58,415    | 35,107    | 104,870   | 84,003    | 213,310   | -----   |
| November                | 215,742   | 189,492   | 101,141   | 49,184    | 47,532    | 42,365    | 49,023    | 336,914   | -----   |
| December                | 204,353   | 92,494    | 122,258   | 97,897    | 85,149    | 50,789    | 111,061   | 343,022   | -----   |
| Motor trucks and busses |           |           |           |           |           |           |           |           |         |
| Total                   | 543,342   | 771,020   | 571,241   | 416,648   | 235,187   | 346,545   | 575,192   | 694,690   | -----   |
| January                 | 26,189    | 63,428    | 39,406    | 35,531    | 20,541    | 18,992    | 42,912    | 62,174    | 65,730  |
| February                | 32,791    | 60,247    | 50,398    | 39,521    | 23,308    | 15,319    | 48,482    | 58,055    | 62,790  |
| March                   | 42,031    | 71,799    | 65,496    | 45,161    | 19,650    | 17,808    | 59,100    | 66,505    | 77,448  |
| April                   | 45,843    | 84,345    | 71,092    | 50,022    | 27,889    | 29,677    | 64,620    | 65,778    | 85,942  |
| May                     | 51,103    | 88,510    | 58,659    | 45,688    | 26,559    | 33,760    | 66,691    | 55,600    | 75,058  |
| June                    | 41,111    | 93,183    | 48,570    | 40,244    | 22,768    | 42,130    | 45,197    | 62,158    | 77,061  |
| July                    | 54,526    | 44,842    | 43,328    | 34,317    | 14,438    | 38,092    | 41,839    | 57,705    | -----   |
| August                  | 62,576    | 56,808    | 40,450    | 31,772    | 14,418    | 41,441    | 51,311    | 56,270    | -----   |
| September               | 57,610    | 51,579    | 44,223    | 31,338    | 19,402    | 34,424    | 44,997    | 31,443    | -----   |
| October                 | 58,401    | 60,887    | 40,593    | 21,727    | 13,595    | 29,813    | 47,988    | 58,733    | -----   |
| November                | 41,398    | 48,081    | 35,613    | 16,038    | 12,025    | 18,318    | 34,462    | 58,145    | -----   |
| December                | 29,793    | 27,513    | 33,443    | 23,044    | 21,204    | 29,776    | 42,563    | 61,506    | -----   |

1 Figures represent production or factory sales. Passenger cars include taxicabs; trucks and busses include ambulances, funeral cars, fire apparatus, street sweepers, and road tractors.

## No. 415.—STATE GASOLINE TAXES

NOTE.—In a majority of States all the proceeds of these taxes and in all but a few of the others the great bulk of the proceeds are applied to road purposes

| State         | Total earnings (tax and other receipts) in thousands of dollars |         |         | Tax in cents per gallon on Dec. 31— |      | State          | Total earnings (tax and other receipts) in thousands of dollars |        |        | Tax in cents per gallon on Dec. 31— |      |
|---------------|-----------------------------------------------------------------|---------|---------|-------------------------------------|------|----------------|-----------------------------------------------------------------|--------|--------|-------------------------------------|------|
|               | 1933                                                            | 1934    | 1935    | 1934                                | 1935 |                | 1933                                                            | 1934   | 1935   | 1934                                | 1935 |
| Total         | 519,403                                                         | 588,642 | 618,777 | 14                                  | 14   | Montana        | 2,761                                                           | 3,604  | 3,845  | 5                                   | 5    |
| Alabama       | 8,033                                                           | 9,299   | 10,313  | 6                                   | 6    | Nebraska       | 7,706                                                           | 8,656  | 9,809  | 4                                   | 5    |
| Arizona       | 2,679                                                           | 3,029   | 3,270   | 5                                   | 5    | Nevada         | 696                                                             | 894    | 962    | 4                                   | 4    |
| Arkansas      | 5,098                                                           | 7,864   | 8,262   | 6½                                  | 6½   | New Hampshire  | 2,350                                                           | 2,746  | 2,868  | 4                                   | 4    |
| California    | 35,217                                                          | 35,970  | 39,984  | 3                                   | 3    | New Jersey     | 10,471                                                          | 17,098 | 18,205 | 3                                   | 3    |
| Colorado      | 5,325                                                           | 6,475   | 6,010   | 4                                   | 4    | New Mexico     | 2,282                                                           | 2,575  | 2,878  | 5                                   | 5    |
| Connecticut   | 4,857                                                           | 4,973   | 5,672   | 2                                   | 3    | New York       | 43,393                                                          | 43,985 | 66,311 | 3                                   | 3    |
| Delaware      | 1,130                                                           | 1,185   | 1,432   | 3                                   | 4    | North Carolina | 14,773                                                          | 17,191 | 19,147 | 6                                   | 6    |
| Dist. of Col. | 2,082                                                           | 2,063   | 2,197   | 2                                   | 2    | North Dakota   | 1,025                                                           | 2,262  | 2,323  | 3                                   | 3    |
| Florida       | 14,293                                                          | 16,534  | 17,897  | 7                                   | 7    | Ohio           | 33,940                                                          | 37,618 | 39,169 | 4                                   | 4    |
| Georgia       | 12,635                                                          | 14,366  | 15,772  | 6                                   | 6    | Oklahoma       | 10,079                                                          | 10,821 | 11,877 | 4                                   | 4    |
| Idaho         | 2,283                                                           | 2,872   | 3,124   | 5                                   | 5    | Oregon         | 6,344                                                           | 7,252  | 7,943  | 5                                   | 5    |
| Illinois      | 27,533                                                          | 29,131  | 30,385  | 3                                   | 3    | Pennsylvania   | 31,059                                                          | 33,413 | 40,708 | 3                                   | 4    |
| Indiana       | 16,289                                                          | 17,570  | 19,262  | 4                                   | 4    | Rhode Island   | 1,885                                                           | 2,060  | 2,108  | 2                                   | 2    |
| Iowa          | 9,372                                                           | 11,255  | 11,549  | 3                                   | 3    | South Carolina | 6,679                                                           | 7,719  | 8,584  | 6                                   | 6    |
| Kansas        | 7,771                                                           | 8,634   | 8,961   | 3                                   | 3    | South Dakota   | 3,346                                                           | 3,765  | 4,315  | 4                                   | 4    |
| Kentucky      | 8,316                                                           | 9,221   | 9,836   | 5                                   | 5    | Tennessee      | 12,980                                                          | 14,114 | 14,966 | 7                                   | 7    |
| Louisiana     | 8,155                                                           | 8,923   | 9,417   | 5                                   | 5    | Texas          | 28,479                                                          | 31,751 | 33,066 | 4                                   | 4    |
| Maine         | 4,127                                                           | 4,486   | 4,573   | 4                                   | 4    | Utah           | 2,190                                                           | 2,515  | 2,714  | 4                                   | 4    |
| Maryland      | 7,208                                                           | 7,809   | 8,278   | 4                                   | 4    | Vermont        | 1,766                                                           | 1,942  | 2,049  | 4                                   | 4    |
| Massachusetts | 16,377                                                          | 17,002  | 17,334  | 3                                   | 3    | Virginia       | 11,082                                                          | 12,477 | 13,341 | 5                                   | 5    |
| Michigan      | 19,485                                                          | 20,984  | 22,791  | 3                                   | 3    | Washington     | 10,863                                                          | 11,069 | 12,568 | 5                                   | 6    |
| Minnesota     | 10,214                                                          | 10,943  | 11,362  | 3                                   | 3    | West Virginia  | 4,928                                                           | 5,704  | 6,103  | 4                                   | 4    |
| Mississippi   | 6,101                                                           | 7,025   | 7,512   | 6                                   | 6    | Wisconsin      | 15,169                                                          | 15,399 | 16,250 | 4                                   | 4    |
| Missouri      | 9,081                                                           | 9,681   | 9,845   | 2                                   | 2    | Wyoming        | 1,405                                                           | 1,783  | 1,932  | 4                                   | 4    |

1 Weighted average rate for the year.

Sources: Table 414, Bureau of the Census, Department of Commerce; table 415, Bureau of Public Roads, Department of Agriculture.

# **No. 416.—MOTOR VEHICLE REGISTRATIONS: PASSENGER CARS AND MOTOR TRUCKS COMBINED, BY STATES**

NOTE.—Net number of cars and trucks shown when possible, excluding reregistrations and nonresident registrations. Totals in this table do not include, in most cases, those official cars which are exempt (or partially exempt) from paying regular registration fees to the States. Road tractors are included beginning with 1925

| Division and State        | 1913      | 1915      | 1920      | 1925       | 1930       | 1934       | 1935       |
|---------------------------|-----------|-----------|-----------|------------|------------|------------|------------|
| Continental U. S.         | 1,258,082 | 2,445,666 | 3,231,841 | 19,337,274 | 26,545,281 | 24,960,973 | 26,321,052 |
| <b>New England</b>        | 121,327   | 206,608   | 573,321   | 1,290,161  | 1,698,619  | 1,661,978  | 1,689,356  |
| Maine                     | 11,022    | 21,545    | 62,907    | 140,409    | 186,157    | 178,995    | 181,165    |
| New Hampshire             | 8,237     | 13,449    | 34,680    | 81,498     | 112,183    | 113,134    | 117,154    |
| Vermont                   | 5,913     | 11,499    | 31,625    | 69,576     | 86,624     | 79,921     | 81,613     |
| Massachusetts             | 62,080    | 102,633   | 274,498   | 646,153    | 846,206    | 785,392    | 785,090    |
| Rhode Island              | 10,296    | 16,362    | 50,477    | 101,756    | 136,423    | 142,394    | 148,597    |
| Connecticut               | 23,200    | 41,121    | 119,134   | 260,669    | 381,026    | 354,142    | 375,837    |
| <b>Middle Atlantic</b>    | 268,093   | 497,227   | 1,474,108 | 3,536,570  | 4,914,101  | 4,819,529  | 4,984,656  |
| New York                  | 134,496   | 255,242   | 678,206   | 1,625,583  | 2,307,730  | 2,273,686  | 2,330,962  |
| New Jersey                | 61,360    | 81,848    | 227,737   | 580,584    | 832,850    | 864,641    | 888,292    |
| Pennsylvania              | 80,178    | 100,137   | 570,164   | 1,330,433  | 1,733,321  | 1,681,202  | 1,745,401  |
| <b>East North Central</b> | 314,624   | 663,665   | 2,223,396 | 4,815,385  | 6,394,167  | 5,781,089  | 6,081,886  |
| Ohio                      | 86,166    | 181,332   | 621,390   | 1,346,400  | 1,750,363  | 1,613,265  | 1,712,051  |
| Indiana                   | 45,000    | 96,915    | 333,067   | 725,410    | 875,763    | 803,271    | 850,650    |
| Illinois                  | 94,666    | 180,832   | 568,924   | 1,203,177  | 1,638,260  | 1,456,241  | 1,525,817  |
| Michigan                  | 54,366    | 114,845   | 412,717   | 989,010    | 1,328,209  | 1,148,953  | 1,239,431  |
| Wisconsin                 | 34,346    | 79,741    | 293,298   | 694,386    | 782,562    | 709,359    | 754,037    |
| <b>West North Central</b> | 232,044   | 499,992   | 1,782,948 | 2,641,814  | 3,681,901  | 3,365,399  | 3,495,161  |
| Minnesota                 | 46,000    | 93,269    | 324,108   | 599,694    | 732,972    | 697,672    | 720,993    |
| Iowa                      | 70,209    | 145,109   | 437,378   | 659,202    | 778,380    | 696,443    | 699,016    |
| Missouri                  | 38,140    | 76,462    | 297,008   | 604,156    | 761,600    | 739,813    | 760,369    |
| North Dakota              | 15,187    | 24,908    | 80,840    | 144,672    | 183,019    | 166,203    | 164,217    |
| South Dakota              | 14,467    | 28,724    | 120,395   | 168,028    | 205,172    | 169,675    | 179,271    |
| Nebraska                  | 13,411    | 69,000    | 210,000   | 338,719    | 426,229    | 406,632    | 406,159    |
| Kansas                    | 34,560    | 72,520    | 294,159   | 457,033    | 594,523    | 528,664    | 553,106    |
| <b>South Atlantic</b>     | 77,823    | 160,594   | 806,053   | 1,920,982  | 2,617,673  | 2,501,623  | 2,643,185  |
| Delaware                  | 2,440     | 5,062     | 18,300    | 40,140     | 56,109     | 54,215     | 56,580     |
| Maryland                  | 14,217    | 31,047    | 102,841   | 234,247    | 321,702    | 332,892    | 345,578    |
| District of Columbia      | 4,000     | 8,000     | 34,161    | 103,092    | 156,676    | 160,070    | 171,464    |
| Virginia                  | 9,022     | 21,357    | 115,470   | 282,650    | 375,889    | 373,908    | 385,555    |
| West Virginia             | 5,144     | 13,279    | 80,604    | 217,589    | 266,273    | 228,155    | 241,617    |
| North Carolina            | 10,000    | 21,000    | 140,860   | 340,287    | 453,241    | 439,351    | 456,152    |
| South Carolina            | 10,000    | 15,000    | 93,843    | 168,496    | 218,402    | 202,834    | 235,919    |
| Georgia                   | 10,000    | 25,000    | 146,000   | 248,093    | 341,580    | 376,903    | 394,096    |
| Florida                   | 3,300     | 10,860    | 73,914    | 286,388    | 327,801    | 335,206    | 356,244    |
| <b>East South Central</b> | 26,380    | 48,421    | 367,658   | 878,115    | 1,213,501  | 1,089,166  | 1,126,539  |
| Kentucky                  | 7,210     | 19,500    | 112,683   | 261,647    | 331,022    | 332,177    | 347,070    |
| Tennessee                 | 10,000    | 7,618     | 101,852   | 244,626    | 368,259    | 336,313    | 351,898    |
| Alabama                   | 5,300     | 11,634    | 74,637    | 194,580    | 277,146    | 225,732    | 242,676    |
| Mississippi               | 3,860     | 6,669     | 63,480    | 177,262    | 237,094    | 174,934    | 186,289    |
| <b>West South Central</b> | 48,583    | 84,433    | 772,655   | 1,790,017  | 2,411,714  | 2,281,542  | 2,360,458  |
| Arkansas                  | 3,583     | 8,021     | 50,082    | 183,589    | 220,204    | 198,091    | 207,429    |
| Louisiana                 | 10,000    | 11,380    | 73,000    | 207,000    | 275,283    | 244,007    | 268,824    |
| Oklahoma                  | 3,000     | 25,032    | 212,880   | 424,345    | 550,331    | 477,292    | 502,101    |
| Texas                     | 32,000    | 40,000    | 427,693   | 975,038    | 1,365,896  | 1,131,212  | 1,382,104  |
| <b>Mountain</b>           | 33,215    | 78,520    | 374,473   | 675,706    | 962,572    | 890,062    | 968,997    |
| Montana                   | 5,916     | 14,640    | 60,650    | 94,056     | 135,168    | 128,336    | 140,712    |
| Idaho                     | 2,113     | 7,071     | 50,861    | 81,506     | 119,077    | 108,863    | 118,266    |
| Wyoming                   | 1,684     | 3,976     | 23,026    | 47,711     | 61,501     | 64,090     | 69,098     |
| Colorado                  | 13,000    | 28,894    | 129,255   | 240,097    | 308,509    | 274,231    | 284,578    |
| New Mexico                | 1,898     | 5,100     | 22,100    | 49,111     | 84,150     | 82,900     | 92,457     |
| Arizona                   | 3,613     | 7,753     | 34,601    | 68,020     | 110,525    | 96,586     | 103,122    |
| Utah                      | 4,000     | 9,177     | 42,616    | 73,427     | 113,997    | 101,626    | 106,006    |
| Nevada                    | 1,091     | 2,009     | 10,464    | 21,169     | 29,645     | 32,230     | 34,858     |
| <b>Pacific</b>            | 133,153   | 226,205   | 861,333   | 1,985,636  | 2,761,643  | 2,700,695  | 2,898,716  |
| Washington                | 24,178    | 38,823    | 173,920   | 328,442    | 446,092    | 422,233    | 453,660    |
| Oregon                    | 13,975    | 23,585    | 103,790   | 216,553    | 273,625    | 272,102    | 293,554    |
| California                | 100,000   | 163,797   | 583,623   | 1,440,641  | 2,041,356  | 2,006,255  | 2,151,501  |

<sup>1</sup> For 15 months ended Mar. 31, 1936.

<sup>2</sup> For 14 months ended Feb. 29, 1936.

<sup>3</sup> For registration year ended Mar. 31, following year specified.

<sup>4</sup> For 6 months ended Dec. 31.

<sup>5</sup> For registration year ended Oct. 31.

<sup>6</sup> Registrations incomplete.

<sup>7</sup> For registration year ended Jan. 31, 1936.

<sup>8</sup> Estimated.

<sup>9</sup> Cars registered during 1915 only; total, approximately 26,000.

<sup>10</sup> For registration year ended Sept. 30.

<sup>11</sup> For 15 months ended Mar. 31, 1935.

<sup>12</sup> For registration year ended June 30.

Source: Bureau of Public Roads, Department of Agriculture.

## No. 417.—REGISTRATIONS AND REVENUES FROM MOTOR VEHICLES, 1935

| Division and State        | Number of motor cars |                                                       |                                |                                                                            | Trail-<br>ers,<br>regis-<br>tered | Motor-<br>cycles,<br>regis-<br>tered<br>and<br>official<br>com-<br>bined | Receipts from<br>motor-vehicle<br>administration |                                    |
|---------------------------|----------------------|-------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------|--------------------------------------------------|------------------------------------|
|                           | Total                | Individually and<br>commercially owned,<br>registered |                                | Publicly<br>owned<br>vehicles, State,<br>county,<br>municipal <sup>1</sup> |                                   |                                                                          | Total<br>receipts <sup>2</sup>                   | Regis-<br>tration<br>motor<br>cars |
|                           |                      | Passenger<br>cars, busses,<br>and taxis               | Trucks<br>and road<br>tractors |                                                                            |                                   |                                                                          |                                                  |                                    |
| Continental U. S.         | 228,408,048          | 22,555,347                                            | 3,655,705                      | 180,798                                                                    | 733,414                           | 98,401                                                                   | 322,777                                          | 274,546                            |
| New England               | 1,699,445            | 1,437,720                                             | 251,838                        | 11,359                                                                     | 18,773                            | 7,132                                                                    | 24,348                                           | 17,986                             |
| Maine                     | 153,102              | 143,056                                               | 4,387                          | 1,037                                                                      | 8,494                             | 1,088                                                                    | 3,270                                            | 2,627                              |
| New Hampshire             | 117,506              | 93,690                                                | 28,456                         | 352                                                                        | 3,173                             | 1,082                                                                    | 1,650                                            | 1,198                              |
| Vermont                   | 81,513               | 72,482                                                | 7,031                          | (3)                                                                        | 1,321                             | 575                                                                      | 2,300                                            | 1,961                              |
| Massachusetts             | 788,590              | 684,079                                               | 100,411                        | 507                                                                        | 1,379                             | 6,320                                                                    | 3,854                                            | 3,854                              |
| Rhode Island              | 140,708              | 130,169                                               | 18,428                         | 1,111                                                                      | 216                               | 810                                                                      | 2,416                                            | 1,921                              |
| Connecticut <sup>10</sup> | 379,026              | 313,605                                               | 62,232                         | 3,189                                                                      | 3,092                             | 2,218                                                                    | 8,392                                            | 6,526                              |
| Middle Atlantic           | 4,897,696            | 4,303,844                                             | 690,811                        | 33,041                                                                     | 47,614                            | 27,090                                                                   | 92,237                                           | 73,583                             |
| New York                  | 2,354,842            | 2,024,043                                             | 300,919                        | 23,880                                                                     | 23,451                            | 11,475                                                                   | 43,453                                           | 38,149                             |
| New Jersey                | 897,453              | 703,426                                               | 124,866                        | 9,161                                                                      | 4,431                             | 5,600                                                                    | 16,029                                           | 11,766                             |
| Pennsylvania              | 1,745,401            | 1,516,375                                             | 229,028                        | (3)                                                                        | 10,732                            | 10,115                                                                   | 32,155                                           | 23,008                             |
| East North Central        | 8,112,237            | 5,355,361                                             | 746,626                        | 30,261                                                                     | 263,353                           | 21,692                                                                   | 78,006                                           | 69,296                             |
| Ohio <sup>6</sup>         | 1,727,457            | 1,541,097                                             | 170,954                        | 15,406                                                                     | 95,210                            | 7,433                                                                    | 22,153                                           | 20,091                             |
| Indiana                   | 850,650              | 717,893                                               | 132,707                        | (3)                                                                        | 43,013                            | 3,107                                                                    | 8,285                                            | 6,465                              |
| Illinois                  | 1,533,747            | 1,340,340                                             | 185,477                        | 7,930                                                                      | 14,439                            | 5,291                                                                    | 19,076                                           | 17,427                             |
| Michigan                  | 1,230,431            | 1,112,148                                             | 127,283                        | (3)                                                                        | 102,975                           | 3,024                                                                    | 17,595                                           | 14,515                             |
| Wisconsin                 | 760,952              | 623,893                                               | 130,144                        | 8,915                                                                      | 7,610                             | 2,837                                                                    | 10,897                                           | 10,498                             |
| West North Central        | 3,505,942            | 2,998,119                                             | 497,042                        | 10,781                                                                     | 194,343                           | 7,704                                                                    | 33,895                                           | 31,408                             |
| Minnesota                 | 727,815              | 621,132                                               | 105,861                        | 11,522                                                                     | 24,290                            | 1,823                                                                    | 7,175                                            | 6,790                              |
| Iowa                      | 703,494              | 618,487                                               | 80,529                         | 11,478                                                                     | 50,244                            | 2,008                                                                    | 9,922                                            | 9,498                              |
| Missouri                  | 768,886              | 650,550                                               | 115,819                        | 2,017                                                                      | 22,544                            | 1,615                                                                    | 8,351                                            | 7,969                              |
| North Dakota              | 184,753              | 155,437                                               | 28,780                         | 536                                                                        | 242                               | 1,381                                                                    | 1,306                                            | 1,306                              |
| South Dakota              | 180,344              | 152,340                                               | 26,931                         | 1,073                                                                      | 12,558                            | 340                                                                      | 1,371                                            | 1,310                              |
| Nebraska                  | 408,044              | 347,135                                               | 59,054                         | 1,855                                                                      | 20,401                            | 998                                                                      | 1,999                                            | 1,826                              |
| Kansas                    | 553,106              | 473,038                                               | 80,068                         | (3)                                                                        | 4,045                             | 678                                                                      | 3,490                                            | 3,307                              |
| South Atlantic            | 2,870,264            | 2,268,704                                             | 376,481                        | 29,579                                                                     | 65,100                            | 9,989                                                                    | 30,349                                           | 25,677                             |
| Delaware                  | 57,472               | 46,868                                                | 9,602                          | 912                                                                        | 1,903                             | 337                                                                      | 1,012                                            | 702                                |
| Maryland                  | 345,678              | 297,050                                               | 48,528                         | 14,200                                                                     | 1,750                             | 1,435                                                                    | 4,100                                            | 2,883                              |
| Dist. of Columbia         | 173,408              | 153,854                                               | 17,610                         | 2,002                                                                      | 1,377                             | 804                                                                      | 905                                              | 176                                |
| Virginia                  | 360,777              | 325,170                                               | 30,376                         | 5,222                                                                      | 3,694                             | 2,017                                                                    | 5,151                                            | 4,574                              |
| West Virginia             | 245,897              | 212,312                                               | 29,305                         | 4,280                                                                      | 2,189                             | 1,136                                                                    | 4,515                                            | 3,584                              |
| North Carolina            | 468,013              | 398,221                                               | 57,931                         | 9,861                                                                      | 20,389                            | 1,426                                                                    | 6,614                                            | 6,451                              |
| South Carolina            | 235,919              | 206,158                                               | 29,761                         | (3)                                                                        | 2,750                             | 762                                                                      | 1,846                                            | 1,550                              |
| Georgia                   | 394,096              | 328,017                                               | 66,079                         | (3)                                                                        | 10,823                            | 952                                                                      | 1,248                                            | 1,179                              |
| Florida                   | 361,046              | 299,045                                               | 57,199                         | 4,802                                                                      | 11,256                            | 1,100                                                                    | 4,955                                            | 4,515                              |
| East South Central        | 1,141,133            | 970,603                                               | 167,939                        | 12,594                                                                     | 7,281                             | 3,039                                                                    | 12,434                                           | 11,739                             |
| Kentucky                  | 352,902              | 304,063                                               | 48,613                         | 5,226                                                                      | (3)                               | 912                                                                      | 3,507                                            | 3,030                              |
| Tennessee                 | 368,145              | 309,867                                               | 42,031                         | 0,250                                                                      | 836                               | 1,201                                                                    | 3,658                                            | 3,490                              |
| Alabama                   | 245,704              | 203,867                                               | 38,980                         | 1,118                                                                      | 5,686                             | 694                                                                      | 3,528                                            | 3,512                              |
| Mississippi               | 186,289              | 152,933                                               | 33,300                         | (3)                                                                        | 809                               | 172                                                                      | 1,741                                            | 1,707                              |
| West South Central        | 2,384,555            | 1,921,043                                             | 439,415                        | 24,107                                                                     | 63,308                            | 5,899                                                                    | 25,738                                           | 23,598                             |
| Arkansas                  | 208,771              | 167,322                                               | 40,107                         | 1,342                                                                      | 9,398                             | 426                                                                      | 2,529                                            | 2,153                              |
| Louisiana                 | 273,409              | 209,426                                               | 59,398                         | 4,585                                                                      | 9,190                             | 786                                                                      | 3,563                                            | 3,193                              |
| Oklahoma                  | 507,029              | 419,246                                               | 82,855                         | 4,928                                                                      | 6,452                             | 908                                                                      | 3,861                                            | 3,283                              |
| Texas                     | 1,395,356            | 1,126,049                                             | 257,055                        | 13,252                                                                     | 38,202                            | 3,709                                                                    | 15,788                                           | 14,924                             |
| Mountain                  | 966,881              | 798,380                                               | 160,807                        | 7,834                                                                      | 29,226                            | 3,097                                                                    | 9,131                                            | 7,909                              |
| Montana                   | 151,299              | 114,170                                               | 35,542                         | 1,587                                                                      | 2,250                             | 380                                                                      | 1,271                                            | 1,178                              |
| Idaho                     | 119,447              | 96,895                                                | 21,871                         | 1,181                                                                      | 12,025                            | 413                                                                      | 1,880                                            | 1,727                              |
| Wyoming                   | 70,598               | 55,405                                                | 14,593                         | 600                                                                        | 7,279                             | 195                                                                      | 483                                              | 448                                |
| Colorado                  | 284,678              | 256,148                                               | 28,430                         | (3)                                                                        | 968                               | 601                                                                      | 2,207                                            | 1,681                              |
| New Mexico                | 93,435               | 74,212                                                | 18,245                         | 978                                                                        | 889                               | 263                                                                      | 1,109                                            | 1,022                              |
| Arizona                   | 105,000              | 85,158                                                | 17,064                         | 1,878                                                                      | 2,835                             | 388                                                                      | 848                                              | 653                                |
| Utah                      | 107,040              | 88,419                                                | 17,587                         | 1,034                                                                      | 1,226                             | 430                                                                      | 1,071                                            | 958                                |
| Nevada                    | 35,434               | 27,983                                                | 6,875                          | 576                                                                        | 847                               | 118                                                                      | 262                                              | 242                                |
| Pacific                   | 2,929,935            | 2,533,566                                             | 365,149                        | 31,220                                                                     | 106,587                           | 12,769                                                                   | 16,840                                           | 13,422                             |
| Washington                | 460,368              | 385,003                                               | 68,057                         | 6,708                                                                      | 7,776                             | 1,640                                                                    | 3,515                                            | 2,599                              |
| Oregon                    | 297,525              | 250,970                                               | 42,584                         | 3,971                                                                      | 3,558                             | 1,393                                                                    | 2,702                                            | 2,154                              |
| California                | 2,172,042            | 1,897,593                                             | 253,908                        | 20,541                                                                     | 95,233                            | 9,755                                                                    | 10,563                                           | 8,669                              |

<sup>1</sup> Not including Federal vehicles except as noted; such data were included in previous years.<sup>2</sup> Includes registration fees, licenses, permits, fines, etc.; excludes gasoline taxes and special taxes on motor carriers.<sup>3</sup> Excluding 3,800 publicly owned vehicles reported also with registered vehicles.<sup>4</sup> Some trailers included with trucks. <sup>5</sup> Busses included with trucks. <sup>6</sup> For 15 months ended Mar. 31, 1935.<sup>7</sup> Some trucks included with passenger cars. <sup>8</sup> Publicly owned vehicles included with registered vehicles.<sup>9</sup> 1,300 publicly owned vehicles included also with registered vehicles; total adjusted for duplication.<sup>10</sup> For 13 months ended Feb. 29, 1936.<sup>11</sup> Includes Federal vehicles.<sup>12</sup> Registration required every 3 years; these are 1935 registrations only.<sup>13</sup> Includes 46,260 light trailers licensed without charge; such data were also included in 1934, but not previously.<sup>14</sup> Publicly owned vehicles included also with registered vehicles; total adjusted for duplication.<sup>15</sup> Trailer and motorcycle fees included, and also dealers' licenses for Tennessee and Alabama.

Source: Bureau of Public Roads, Department of Agriculture.

# No. 418.—AUTOMOBILE FATALITIES IN ENTIRE DEATH REGISTRATION AREA IN CONTINENTAL UNITED STATES

NOTE.—Figures include all deaths from accidents caused by motor vehicles except motorcycles, but exclude deaths from collisions of automobiles with railroad trains and street cars. Population figures shown for 1930 to 1933 and used in computing rates for those years are unrevised estimates

| Year | Entire registration area |                  |                             | Registration States |                  |                             |                           |                         |
|------|--------------------------|------------------|-----------------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------|
|      | Population               | Number of deaths | Rate per 100,000 population | Population          | Number of deaths | Rate per 100,000 population | Number of cars registered | Deaths per 100,000 cars |
| 1911 | 58,183,071               | 1,291            | 2.2                         | 54,285,189          | 1,150            | 2.2                         |                           |                         |
| 1912 | 60,358,974               | 1,758            | 2.9                         | 55,188,497          | 1,563            | 2.8                         |                           |                         |
| 1913 | 63,200,025               | 2,488            | 3.9                         | 58,234,116          | 2,241            | 3.8                         |                           |                         |
| 1914 | 65,813,315               | 2,826            | 4.3                         | 60,943,063          | 2,571            | 4.2                         | 882,911                   | 283.8                   |
| 1915 | 67,095,681               | 3,978            | 5.9                         | 61,881,753          | 3,559            | 5.8                         | 1,234,844                 | 268.2                   |
|      |                          |                  |                             |                     |                  |                             | 1,775,064                 | 202.2                   |
| 1916 | 71,340,162               | 5,193            | 7.3                         | 66,371,091          | 4,787            | 7.1                         | 2,511,805                 | 188.6                   |
| 1917 | 74,084,468               | 6,724            | 9.0                         | 69,640,824          | 6,064            | 8.7                         | 3,530,268                 | 171.8                   |
| 1918 | 81,333,075               | 7,525            | 9.3                         | 73,536,574          | 7,310            | 9.2                         | 4,715,317                 | 155.0                   |
| 1919 | 85,106,493               | 7,968            | 9.4                         | 83,612,608          | 7,771            | 9.3                         | 5,622,672                 | 131.2                   |
| 1920 | 87,632,592               | 8,108            | 10.4                        | 86,179,774          | 8,878            | 10.3                        | 7,440,420                 | 119.3                   |
| 1921 | 89,102,434               | 10,188           | 11.4                        | 87,592,175          | 9,903            | 11.3                        | 8,578,536                 | 115.4                   |
| 1922 | 93,896,240               | 11,666           | 12.4                        | 92,540,579          | 11,466           | 12.4                        | 10,374,993                | 110.5                   |
| 1923 | 97,816,104               | 14,411           | 14.7                        | 96,355,407          | 14,157           | 14.7                        | 13,359,965                | 106.0                   |
| 1924 | 100,082,082              | 15,528           | 15.5                        | 98,471,683          | 15,221           | 15.5                        | 15,714,878                | 96.9                    |
| 1925 | 102,961,099              | 17,671           | 17.1                        | 101,111,137         | 17,149           | 17.0                        | 17,875,667                | 95.9                    |
| 1926 | 104,938,301              | 18,871           | 18.0                        | 102,991,180         | 18,419           | 17.9                        | 19,838,047                | 92.8                    |
| 1927 | 108,177,588              | 21,160           | 19.6                        | 106,309,646         | 20,704           | 19.5                        | 21,084,564                | 98.2                    |
| 1928 | 114,258,516              | 23,705           | 20.8                        | 113,050,663         | 23,427           | 20.7                        | 23,126,127                | 101.3                   |
| 1929 | 116,317,515              | 27,066           | 23.3                        | 115,007,972         | 26,602           | 23.2                        | 25,067,555                | 106.2                   |
| 1930 | 118,500,800              | 29,080           | 24.5                        | 117,338,000         | 28,684           | 24.4                        | 26,350,499                | 113.1                   |
| 1931 | 119,421,000              | 30,042           | 25.2                        | 118,157,000         | 29,658           | 25.1                        | 24,705,828                | 120.0                   |
| 1932 | 120,122,200              | 26,350           | 21.9                        | 118,858,000         | 26,033           | 21.9                        | 23,085,036                | 112.8                   |
| 1933 | 125,693,000              | 29,323           | 23.3                        | 125,693,000         | 29,323           | 23.3                        | 24,073,828                | 121.8                   |
| 1934 | 126,626,000              | 33,980           | 26.8                        | 126,626,000         | 33,980           | 26.8                        | 25,191,350                | 134.9                   |

| Year | Rural area of registration States |                  |                             | Cities in registration States |                  |                             | Cities in nonregistration States |                  |                             |
|------|-----------------------------------|------------------|-----------------------------|-------------------------------|------------------|-----------------------------|----------------------------------|------------------|-----------------------------|
|      | Population                        | Number of deaths | Rate per 100,000 population | Population                    | Number of deaths | Rate per 100,000 population | Population                       | Number of deaths | Rate per 100,000 population |
| 1911 | 26,901,350                        | 306              | 1.1                         | 27,383,839                    | 844              | 3.1                         | 4,897,882                        | 141              | 2.9                         |
| 1912 | 27,144,493                        | 442              | 1.6                         | 28,043,944                    | 1,121            | 4.0                         | 5,171,537                        | 195              | 3.8                         |
| 1913 | 29,108,697                        | 637              | 2.2                         | 29,126,518                    | 1,554            | 5.3                         | 4,965,510                        | 247              | 5.0                         |
| 1914 | 30,829,210                        | 896              | 2.9                         | 30,114,463                    | 1,675            | 5.6                         | 4,899,652                        | 255              | 5.2                         |
| 1915 | 31,078,193                        | 1,226            | 3.9                         | 30,803,590                    | 2,393            | 7.7                         | 5,213,928                        | 389              | 7.5                         |
| 1916 | 34,752,780                        | 1,634            | 4.8                         | 31,618,911                    | 3,053            | 9.7                         | 4,977,471                        | 456              | 9.2                         |
| 1917 | 36,026,787                        | 2,174            | 5.9                         | 32,718,037                    | 3,890            | 11.9                        | 5,337,674                        | 660              | 12.4                        |
| 1918 | 41,844,490                        | 2,368            | 5.7                         | 37,692,075                    | 4,942            | 13.1                        | 1,797,101                        | 215              | 12.0                        |
| 1919 | 44,664,983                        | 2,508            | 5.6                         | 38,947,525                    | 5,283            | 13.5                        | 1,553,585                        | 197              | 12.7                        |
| 1920 | 44,475,250                        | 2,787            | 6.2                         | 41,704,524                    | 6,121            | 14.7                        | 1,452,818                        | 225              | 15.5                        |
| 1921 | 45,070,088                        | 3,368            | 7.5                         | 42,522,087                    | 6,535            | 15.4                        | 1,510,259                        | 265              | 17.5                        |
| 1922 | 48,575,329                        | 4,020            | 8.3                         | 43,965,250                    | 7,446            | 16.9                        | 1,325,661                        | 200              | 15.1                        |
| 1923 | 50,867,586                        | 5,209            | 10.2                        | 45,517,821                    | 8,948            | 19.7                        | 1,430,697                        | 254              | 17.8                        |
| 1924 | 52,047,381                        | 6,668            | 10.0                        | 46,424,362                    | 9,553            | 20.6                        | 1,610,379                        | 307              | 19.1                        |
| 1925 | 53,580,742                        | 6,909            | 12.1                        | 47,530,395                    | 10,640           | 22.4                        | 1,840,862                        | 422              | 22.9                        |
| 1926 | 54,389,753                        | 7,348            | 13.5                        | 48,601,407                    | 11,071           | 22.8                        | 1,947,141                        | 452              | 23.2                        |
| 1927 | 56,613,922                        | 8,452            | 14.9                        | 49,695,724                    | 12,252           | 24.7                        | 1,837,922                        | 456              | 24.4                        |
| 1928 | 61,350,563                        | 9,997            | 16.3                        | 51,700,100                    | 13,430           | 26.0                        | 1,207,853                        | 338              | 28.0                        |
| 1929 | 62,421,794                        | 11,797           | 18.9                        | 52,678,178                    | 14,865           | 28.2                        | 1,219,543                        | 404              | 33.1                        |
| 1930 | 60,565,200                        | 12,193           | 20.1                        | 56,772,800                    | 16,491           | 29.0                        | 1,222,800                        | 396              | 32.4                        |
| 1931 | 60,302,100                        | 12,702           | 21.1                        | 57,854,900                    | 16,956           | 29.3                        | 1,264,200                        | 384              | 30.4                        |
| 1932 | 61,033,400                        | 11,304           | 18.5                        | 57,824,600                    | 14,729           | 25.5                        | 1,264,200                        | 317              | 25.1                        |
| 1933 | 65,411,700                        | 13,267           | 20.3                        | 60,281,300                    | 16,056           | 26.6                        | (1)                              | (1)              | (1)                         |
| 1934 | (2)                               | 15,712           | (2)                         | (2)                           | 18,268           | (2)                         | (1)                              | (1)              | (1)                         |

1 All States included in the registration area.

2 Not available.

Sources: Bureau of the Census, Department of Commerce, and Bureau of Public Roads, Department of Agriculture.

# No. 419.—AUTOMOBILE FATALITIES IN STATES AND LARGE CITIES HAVING DEATH REGISTRATION

NOTE.—Figures include all deaths from accidents caused by motor vehicles except motor cycles, but exclude deaths from collisions of automobiles with railroad trains and street cars. See table 74 for percent of total population included in the registration area for each year prior to 1933; in 1933 and 1934 the entire population is included. See also third paragraph of general note, p. 80, regarding population estimates used in computing rates

| State                                          | Number of deaths |                  |                  |                  |        |        | Rate per 100,000 estimated population |                  |                  |                  |       |       |
|------------------------------------------------|------------------|------------------|------------------|------------------|--------|--------|---------------------------------------|------------------|------------------|------------------|-------|-------|
|                                                | 1921-1925, avg.  | 1926-1930, avg.  | 1931             | 1932             | 1933   | 1934   | 1921-1925, avg.                       | 1926-1930, avg.  | 1931             | 1932             | 1933  | 1934  |
| Registration area in continental United States | 13,869           | 23,988           | 90,042           | 26,350           | 29,323 | 33,980 | 14.3                                  | 21.3             | 25.2             | 21.9             | 23.3  | 26.9  |
| Registration States <sup>1</sup>               | 13,579           | 23,679           | 29,658           | 26,033           | 29,323 | 33,980 | 14.3                                  | 21.3             | 25.1             | 21.9             | 23.3  | 26.8  |
| Cities <sup>1</sup>                            | 8,624            | 13,622           | 16,956           | 14,729           | 16,050 | 18,268 | 10.1                                  | 26.3             | 29.3             | 26.5             | 20.8  | ----- |
| Rural                                          | 4,955            | 9,957            | 12,702           | 11,304           | 13,267 | 15,712 | 9.9                                   | 16.9             | 21.1             | 18.5             | 20.3  | ----- |
| Cities in nonregistration States               | 290              | 409              | 384              | 317              | -----  | -----  | 18.8                                  | 27.4             | 30.4             | 25.1             | ----- | ----- |
| All registration cities <sup>1</sup>           | 8,914            | 14,031           | 17,340           | 15,046           | 16,050 | 18,268 | 10.1                                  | 20.3             | 29.3             | 26.5             | 20.8  | ----- |
| REGISTRATION STATES                            |                  |                  |                  |                  |        |        |                                       |                  |                  |                  |       |       |
| Alabama                                        | 252              | 362              | 472              | 405              | 435    | 498    | 10.0                                  | 15.1             | 17.7             | 15.1             | 18.0  | 17.8  |
| Arizona                                        | ( <sup>2</sup> ) | 143              | 149              | 162              | 147    | 205    | ( <sup>2</sup> )                      | 34.2             | 33.6             | 36.2             | 32.5  | 53.1  |
| Arkansas                                       | ( <sup>2</sup> ) | 242              | 313              | 260              | 280    | 350    | ( <sup>2</sup> )                      | 13.1             | 16.8             | 13.9             | 15.0  | 17.7  |
| California                                     | 1,131            | 1,828            | 2,367            | 2,198            | 2,233  | 2,625  | 27.0                                  | 34.5             | 40.5             | 37.0             | 36.8  | 40.6  |
| Colorado                                       | 148              | 232              | 319              | 284              | 206    | 328    | 15.2                                  | 22.8             | 30.0             | 27.1             | 28.3  | 31.0  |
| Connecticut                                    | 260              | 376              | 457              | 409              | 452    | 404    | 17.8                                  | 24.0             | 28.1             | 28.0             | 27.5  | 27.3  |
| Delaware                                       | 36               | 64               | 79               | 79               | 84     | 81     | 15.8                                  | 27.1             | 31.7             | 32.9             | 34.9  | 38.1  |
| Florida                                        | 217              | 479              | 518              | 485              | 494    | 604    | 10.0                                  | 34.6             | 34.4             | 31.7             | 31.8  | 32.0  |
| Georgia                                        | 260              | 519              | 608              | 541              | 651    | 777    | 9.0                                   | 17.8             | 20.9             | 18.6             | 22.4  | 23.7  |
| Idaho                                          | 7                | 46               | 88               | 86               | 117    | 150    | 10.5                                  | 19.7             | 19.7             | 19.2             | 20.2  | 31.7  |
| Illinois                                       | 1,051            | 1,645            | 2,049            | 1,831            | 1,943  | 2,288  | 15.3                                  | 22.1             | 23.5             | 23.6             | 24.8  | 29.4  |
| Indiana                                        | 399              | 772              | 1,023            | 845              | 970    | 1,144  | 13.1                                  | 24.2             | 31.4             | 25.8             | 29.7  | 33.7  |
| Iowa                                           | 241              | 376              | 504              | 422              | 514    | 531    | 9.9                                   | 15.3             | 22.8             | 17.0             | 20.7  | 21.0  |
| Kansas                                         | 103              | 322              | 402              | 386              | 482    | 481    | 10.7                                  | 17.3             | 21.3             | 20.4             | 25.4  | 26.1  |
| Kentucky                                       | 167              | 357              | 514              | 441              | 504    | 680    | 8.7                                   | 13.8             | 19.5             | 16.7             | 19.0  | 22.4  |
| Louisiana                                      | 102              | 332              | 412              | 341              | 395    | 401    | 6.5                                   | 16.2             | 14.4             | 15.9             | 19.3  | 21.8  |
| Maine                                          | 83               | 127              | 159              | 149              | 190    | 201    | 10.7                                  | 16.0             | 19.9             | 18.6             | 23.7  | 24.0  |
| Maryland                                       | 232              | 363              | 466              | 410              | 429    | 488    | 16.3                                  | 22.7             | 28.3             | 24.8             | 25.8  | 29.3  |
| Massachusetts                                  | 609              | 732              | 813              | 777              | 801    | 986    | 16.3                                  | 17.5             | 19.0             | 18.1             | 18.6  | 22.8  |
| Michigan                                       | 714              | 1,284            | 1,407            | 1,143            | 1,196  | 1,416  | 15.5                                  | 27.7             | 28.5             | 22.9             | 23.7  | 30.3  |
| Minnesota                                      | 306              | 439              | 622              | 486              | 625    | 624    | 12.6                                  | 17.3             | 24.1             | 18.8             | 20.2  | 23.8  |
| Mississippi                                    | 96               | 265              | 284              | 234              | 283    | 401    | 5.1                                   | 13.4             | 14.0             | 11.5             | 13.8  | 20.4  |
| Missouri                                       | 391              | 605              | 844              | 690              | 770    | 944    | 11.2                                  | 16.8             | 23.1             | 18.9             | 21.0  | 24.4  |
| Montana                                        | 60               | 100              | 118              | 96               | 115    | 198    | 11.0                                  | 18.6             | 21.9             | 17.9             | 21.4  | 37.3  |
| Nebraska                                       | 119              | 224              | 291              | 212              | 283    | 263    | 9.0                                   | 16.4             | 21.0             | 16.3             | 20.3  | 21.5  |
| Nevada                                         | ( <sup>2</sup> ) | 40               | 63               | 59               | 63     | 69     | ( <sup>2</sup> )                      | 44.2             | 68.5             | 63.4             | 67.7  | 70.4  |
| New Hampshire                                  | 50               | 83               | 100              | 70               | 135    | 104    | 13.1                                  | 18.0             | 21.4             | 15.0             | 28.8  | 21.0  |
| New Jersey                                     | 648              | 1,040            | 1,229            | 1,105            | 1,147  | 1,136  | 18.6                                  | 26.7             | 20.9             | 26.6             | 27.4  | 27.9  |
| New Mexico                                     | ( <sup>2</sup> ) | 104              | 95               | 97               | 102    | 146    | ( <sup>2</sup> )                      | 24.7             | 22.2             | 22.5             | 23.5  | 36.3  |
| New York                                       | 1,889            | 2,628            | 3,077            | 2,813            | 2,784  | 2,903  | 17.0                                  | 21.5             | 24.1             | 21.9             | 21.5  | 22.6  |
| North Carolina                                 | 254              | 555              | 650              | 558              | 725    | 874    | 9.2                                   | 18.1             | 20.2             | 17.2             | 22.1  | 25.9  |
| North Dakota                                   | 52               | 78               | 110              | 57               | 101    | 118    | 7.8                                   | 11.6             | 16.1             | 8.3              | 14.7  | 16.9  |
| Ohio                                           | 988              | 1,706            | 1,970            | 1,822            | 1,829  | 2,119  | 10.3                                  | 26.3             | 26.3             | 27.0             | 26.9  | 31.6  |
| Oklahoma                                       | ( <sup>2</sup> ) | 433              | 404              | 437              | 485    | 584    | ( <sup>2</sup> )                      | 18.3             | 16.7             | 17.9             | 19.7  | 23.5  |
| Oregon                                         | 125              | 221              | 292              | 223              | 240    | 309    | 14.9                                  | 23.9             | 30.2             | 22.9             | 25.8  | 30.9  |
| Pennsylvania                                   | 1,405            | 2,011            | 2,412            | 2,043            | 2,190  | 2,439  | 15.6                                  | 21.2             | 24.9             | 21.0             | 22.4  | 24.4  |
| Rhode Island                                   | 104              | 136              | 116              | 101              | 97     | 103    | 16.4                                  | 20.2             | 16.7             | 14.5             | 13.8  | 15.1  |
| South Carolina                                 | 123              | 288              | 350              | 320              | 342    | 470    | 7.2                                   | 16.7             | 21.8             | 18.9             | 16.6  | 23.9  |
| South Dakota                                   | ( <sup>2</sup> ) | 112              | 118              | 101              | 115    | 119    | ( <sup>2</sup> )                      | 16.1             | 16.6             | 14.4             | 16.4  | 17.6  |
| Tennessee                                      | 195              | 409              | 547              | 474              | 640    | 672    | 8.0                                   | 15.9             | 20.7             | 17.9             | 20.3  | 23.5  |
| Texas                                          | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 1,292  | 1,570  | ( <sup>2</sup> )                      | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 21.5  | 26.2  |
| Utah                                           | 68               | 109              | 157              | 115              | 135    | 178    | 14.5                                  | 21.9             | 30.7             | 22.3             | 26.1  | 34.6  |
| Vermont                                        | 42               | 62               | 71               | 63               | 70     | 97     | 11.8                                  | 17.3             | 19.7             | 17.5             | 19.4  | 25.9  |
| Virginia                                       | 198              | 413              | 556              | 561              | 592    | 747    | 8.4                                   | 13.0             | 27.0             | 23.0             | 24.3  | 28.7  |
| Washington                                     | 236              | 397              | 461              | 413              | 442    | 596    | 16.5                                  | 26.0             | 29.2             | 20.0             | 27.6  | 36.7  |
| West Virginia                                  | 208              | 305              | 427              | 332              | 382    | 414    | 13.0                                  | 18.1             | 24.4             | 18.9             | 21.5  | 23.1  |
| Wisconsin                                      | 306              | 568              | 731              | 624              | 627    | 687    | 11.2                                  | 19.7             | 24.7             | 21.0             | 21.0  | 23.6  |
| Wyoming                                        | 51               | 65               | 98               | 78               | 87     | 105    | 24.7                                  | 29.5             | 43.0             | 34.1             | 37.7  | 45.5  |
| REGISTRATION CITIES <sup>12</sup>              |                  |                  |                  |                  |        |        |                                       |                  |                  |                  |       |       |
| Akron                                          | 39               | 82               | 77               | 80               | 85     | 88     | 15.0                                  | 34.0             | 39.1             | 29.3             | 30.3  | 32.   |
| Albany                                         | 28               | 40               | 45               | 35               | 37     | 47     | 23.7                                  | 32.0             | 37.6             | 34.9             | 27.1  | 28.   |
| Atlanta                                        | 53               | 76               | 95               | 99               | 105    | 108    | 23.5                                  | 29.2             | 32.0             | 34.2             | 35.7  | 37.   |
| Baltimore                                      | 130              | 188              | 226              | 201              | 185    | 225    | 17.1                                  | 23.7             | 25.5             | 27.8             | 24.7  | 32.   |
| Birmingham                                     | 46               | 63               | 82               | 75               | 80     | 74     | 22.3                                  | 25.6             | 26.8             | 30.4             | 27.9  | 29    |

For footnotes see following page.

**No. 419.—AUTOMOBILE FATALITIES IN STATES AND LARGE CITIES HAVING DEATH REGISTRATION—Continued**

| City                   | Number of deaths |                 |       |       |       |                    | Rate per 100,000 estimated population |                   |      |      |      |      |
|------------------------|------------------|-----------------|-------|-------|-------|--------------------|---------------------------------------|-------------------|------|------|------|------|
|                        | 1921-1925, avg.  | 1926-1930, avg. | 1931  | 1932  | 1933  | 1934 <sup>13</sup> | 1921-1925, avg.                       | 1926-1930, avg.   | 1930 | 1931 | 1932 | 1933 |
| Boston.....            | 132              | 138             | 148   | 151   | 143   | 166                | 17.4                                  | 17.8              | 15.3 | 18.8 | 19.2 | 18.2 |
| Bridgeport.....        | 25               | 36              | 59    | 27    | 61    | 47                 | 17.3                                  | 24.6              | 27.2 | 40.1 | 18.4 | 34.6 |
| Buffalo.....           | 111              | 156             | 153   | 132   | 144   | 151                | 21.0                                  | 27.8              | 30.5 | 26.3 | 22.7 | 24.6 |
| Chicago.....           | 597              | 795             | 953   | 846   | 882   | 952                | 20.4                                  | 24.4              | 24.8 | 27.6 | 24.5 | 25.3 |
| Cincinnati.....        | 91               | 135             | 149   | 124   | 143   | 187                | 21.8                                  | 30.5              | 36.9 | 32.6 | 27.1 | 31.1 |
| Cleveland.....         | 189              | 281             | 286   | 262   | 248   | 268                | 22.7                                  | 31.8              | 33.6 | 31.4 | 28.7 | 27.0 |
| Columbus.....          | 54               | 99              | 121   | 99    | 109   | 120                | 21.1                                  | 35.0              | 46.3 | 40.9 | 33.5 | 36.4 |
| Dallas.....            | 37               | 64              | 81    | 71    | 83    | 90                 | 19.2                                  | 26.2              | 26.7 | 29.7 | 26.0 | 29.9 |
| Dayton.....            | 28               | 61              | 75    | 58    | 70    | 80                 | 16.6                                  | 31.7              | 35.2 | 36.7 | 28.3 | 33.9 |
| Denver.....            | 44               | 63              | 86    | 86    | 97    | 106                | 16.5                                  | 22.3              | 27.7 | 29.5 | 29.5 | 33.1 |
| Des Moines.....        | <sup>1</sup> 19  | 33              | 43    | 45    | 43    | 45                 | <sup>1</sup> 14.2                     | 23.6              | 32.2 | 29.8 | 31.1 | 29.6 |
| Detroit.....           | 242              | 368             | 372   | 321   | 307   | 336                | 21.0                                  | 26.8              | 24.2 | 22.5 | 19.6 | 18.4 |
| Flint.....             | 19               | 44              | 53    | 38    | 56    | 54                 | 16.2                                  | 30.1              | 31.6 | 32.3 | 23.2 | 33.5 |
| Fort Worth.....        | <sup>1</sup> 21  | 43              | 55    | 56    | 45    | 63                 | <sup>1</sup> 15.3                     | 27.3              | 34.1 | 32.9 | 33.4 | 26.6 |
| Grand Rapids.....      | 28               | 38              | 36    | 29    | 23    | 39                 | 19.1                                  | 23.2              | 27.8 | 21.0 | 16.9 | 13.3 |
| Hartford.....          | 38               | 46              | 55    | 50    | 55    | 59                 | 25.9                                  | 28.8              | 22.5 | 32.9 | 29.9 | 32.6 |
| Houston.....           | 28               | 77              | 101   | 64    | 103   | 108                | 15.5                                  | 29.6              | 34.2 | 32.6 | 20.6 | 32.4 |
| Indianapolis.....      | 58               | 110             | 156   | 99    | 124   | 143                | 17.5                                  | 31.0              | 36.7 | 42.2 | 26.8 | 33.3 |
| Jacksonville.....      | 25               | 45              | 56    | 58    | 55    | 60                 | 24.7                                  | 35.6              | 34.6 | 42.5 | 42.1 | 46.8 |
| Jersey City.....       | 46               | 56              | 43    | 58    | 64    | 73                 | 15.1                                  | 17.9              | 17.3 | 13.5 | 18.2 | 20.0 |
| Kansas City, Kans..... | 17               | 19              | 24    | 36    | 30    | 47                 | 15.2                                  | 15.8              | 29.5 | 19.5 | 29.3 | 24.3 |
| Kansas City, Mo.....   | 73               | 92              | 137   | 89    | 121   | 122                | 22.3                                  | 23.8              | 29.4 | 33.5 | 21.8 | 29.3 |
| Long Beach.....        | 22               | 39              | 60    | 55    | 55    | 59                 | 25.8                                  | 30.2              | 33.4 | 30.4 | 36.6 | 35.0 |
| Los Angeles.....       | 220              | 365             | 433   | 496   | 460   | 521                | 27.6                                  | 32.2              | 33.3 | 37.0 | 36.8 | 34.4 |
| Louisville.....        | 53               | 80              | 109   | 85    | 88    | 123                | 13.9                                  | 26.1              | 28.3 | 35.4 | 27.0 | 27.7 |
| Memphis.....           | 41               | 75              | 100   | 101   | 116   | 112                | 23.4                                  | 36.2              | 34.3 | 38.6 | 39.0 | 44.4 |
| Milwaukee.....         | 73               | 114             | 108   | 97    | 99    | 79                 | 14.8                                  | 20.5              | 19.0 | 18.2 | 16.3 | 14.9 |
| Minneapolis.....       | 68               | 88              | 114   | 91    | 98    | 105                | 16.7                                  | 19.6              | 23.6 | 24.1 | 19.2 | 20.5 |
| Nashville.....         | 29               | 51              | 71    | 72    | 55    | 65                 | 23.1                                  | 34.9              | 41.5 | 46.7 | 46.3 | 35.2 |
| New Haven.....         | 34               | 49              | 51    | 53    | 45    | 48                 | 20.9                                  | 30.1              | 27.7 | 31.3 | 32.6 | 27.7 |
| New Orleans.....       | 64               | 108             | 120   | 91    | 120   | 123                | 15.5                                  | 24.2              | 26.1 | 27.0 | 19.5 | 25.5 |
| New York.....          | 961              | 1,161           | 1,299 | 1,163 | 1,146 | 1,135              | 15.8                                  | 17.8              | 15.8 | 15.3 | 16.4 | 16.0 |
| Newark, N. J.....      | 94               | 123             | 106   | 98    | 100   | 90                 | 27.2                                  | 28.1              | 31.4 | 23.8 | 22.0 | 22.4 |
| Norfolk.....           | 17               | 27              | 44    | 36    | 41    | 40                 | 13.9                                  | 20.4              | 15.5 | 33.9 | 27.8 | 31.6 |
| Oakland.....           | 44               | 74              | 101   | 64    | 68    | 87                 | 18.4                                  | 27.2              | 38.9 | 34.6 | 21.9 | 23.0 |
| Oklahoma City.....     | 15               | 44              | 55    | 66    | 62    | 54                 | 12.2                                  | 26.1              | 40.5 | 27.9 | 33.3 | 30.8 |
| Omaha.....             | 30               | 49              | 66    | 44    | 58    | 67                 | 15.1                                  | 23.3              | 27.0 | 30.5 | 20.3 | 26.6 |
| Paterson.....          | 39               | 50              | 52    | 56    | 57    | 42                 | 28.5                                  | 36.2              | 36.1 | 37.5 | 40.3 | 41.0 |
| Philadelphia.....      | 262              | 346             | 354   | 321   | 367   | 364                | 14.0                                  | 17.9              | 19.3 | 18.0 | 16.6 | 18.6 |
| Pittsburgh.....        | 146              | 193             | 218   | 159   | 137   | 143                | 23.7                                  | 29.4              | 34.0 | 32.2 | 23.5 | 20.2 |
| Portland, Oreg.....    | 40               | 61              | 95    | 74    | 83    | 98                 | 14.7                                  | 20.8              | 23.4 | 30.9 | 24.1 | 26.9 |
| Providence.....        | 56               | 69              | 52    | 51    | 48    | 40                 | 23.1                                  | 27.6              | 28.4 | 20.4 | 20.0 | 18.8 |
| Richmond.....          | 28               | 45              | 90    | 67    | 71    | 79                 | 16.0                                  | 27.1              | 32.2 | 48.8 | 36.4 | 38.4 |
| Rochester.....         | 46               | 67              | 76    | 82    | 45    | 80                 | 15.6                                  | 20.6              | 24.3 | 22.9 | 18.7 | 13.5 |
| St. Louis.....         | 164              | 177             | 180   | 156   | 149   | 173                | 20.8                                  | 21.8              | 21.3 | 21.7 | 18.8 | 17.9 |
| St. Paul.....          | 45               | 61              | 87    | 84    | 70    | 90                 | 18.2                                  | 23.0              | 27.9 | 31.5 | 30.4 | 25.2 |
| Salt Lake City.....    | 28               | 42              | 50    | 58    | 46    | 67                 | 22.3                                  | 30.8              | 31.3 | 35.0 | 40.5 | 31.9 |
| San Antonio.....       | 30               | 58              | 63    | 50    | 68    | 77                 | 16.2                                  | 26.4              | 28.3 | 26.2 | 20.8 | 27.9 |
| San Diego.....         | 30               | 57              | 66    | 68    | 70    | 63                 | 30.3                                  | 41.6              | 61.5 | 42.2 | 43.5 | 43.7 |
| San Francisco.....     | 107              | 137             | 126   | 132   | 145   | 115                | 19.4                                  | 22.4              | 20.9 | 19.4 | 20.3 | 22.1 |
| Scranton.....          | 30               | 38              | 36    | 32    | 42    | 53                 | 21.5                                  | 26.7              | 30.6 | 25.0 | 22.2 | 20.1 |
| Seattle.....           | 52               | 85              | 116   | 80    | 105   | 147                | 15.6                                  | 23.8              | 22.6 | 31.2 | 21.5 | 28.1 |
| Springfield, Mass..... | 22               | 35              | 53    | 28    | 30    | 39                 | 16.1                                  | 23.9              | 30.6 | 21.7 | 18.4 | 19.6 |
| Syracuse.....          | 37               | 53              | 70    | 39    | 49    | 60                 | 20.3                                  | 26.1              | 29.0 | 32.8 | 18.3 | 22.8 |
| Toledo.....            | 52               | 96              | 120   | 109   | 89    | 113                | 20.1                                  | 33.9              | 36.7 | 40.4 | 36.7 | 29.8 |
| Trenton.....           | 32               | 43              | 56    | 41    | 56    | 57                 | 26.5                                  | 39.1              | 46.2 | 46.2 | 33.1 | 45.1 |
| Tulsa.....             | <sup>(3)</sup>   | <sup>6</sup> 39 | 33    | 34    | 33    | 52                 | <sup>(3)</sup>                        | <sup>9</sup> 29.4 | 35.2 | 22.6 | 23.3 | 22.3 |
| Washington, D. C.....  | 80               | 117             | 161   | 186   | 142   | 192                | 17.6                                  | 24.5              | 28.3 | 32.8 | 37.7 | 28.7 |
| Worcester.....         | 33               | 40              | 37    | 31    | 51    | 47                 | 17.8                                  | 20.8              | 27.1 | 18.8 | 16.7 | 25.8 |
| Yonkers.....           | 16               | 22              | 24    | 17    | 27    | 17                 | 14.3                                  | 17.1              | 14.0 | 17.3 | 12.2 | 19.2 |
| Youngstown.....        | 36               | 63              | 69    | 41    | 52    | 55                 | 25.7                                  | 40.8              | 37.5 | 39.9 | 28.7 | 29.9 |

<sup>1</sup> Including the District of Columbia. All States were in the registration area in 1933 and 1934.

<sup>2</sup> 1925 only.

<sup>3</sup> Not in registration area.

<sup>4</sup> Average, 1927-30.

<sup>5</sup> Average, 1922-24.

<sup>6</sup> Average, 1923-30.

<sup>7</sup> Average, 1923-25.

<sup>8</sup> Average, 1923-25.

<sup>9</sup> Average, 1929 and 1930.

<sup>10</sup> Average, 1924 and 1925.

<sup>11</sup> 1930 only.

<sup>12</sup> Only cities of over 120,000 inhabitants, according to 1930 census, are shown. Population estimates on which to base rates for 1934 are not available, except for Washington, D. C. The 1934 rate for this city is 34.3.

<sup>13</sup> See note 12 regarding rates.



## 20.—TRANSPORTATION, AIR AND LAND—STEAM AND ELECTRIC RAILWAYS, EXPRESS COMPANIES, MOTOR BUSES, AND CIVIL AERONAUTICS

[Data in this section relate to continental United States unless otherwise stated]

**GENERAL NOTE.**—The total steam railroad mileage of the United States includes: (a) Regular interstate carriers (and their nonoperating subsidiaries) reporting to the Interstate Commerce Commission, (b) switching and terminal railroads, also reporting to the commission; and (c) private railroads (defined by the commission as "circular" because they report on brief circulars and as "unofficial"). Except in certain mileage data the circular and unofficial companies are not included in any of the statistics. The switching and terminal roads were formerly included with operating railroads, but are now separated, and data for them do not appear in most of the tables.

Nonoperating subsidiaries include proprietary companies, which are covered by the reports of operating carriers, and lessor companies which have no traffic and whose reports appear only in statistics of capitalization, dividends, and investment.

Operating railroads are divided into three classes, according to the amount of their annual operating revenues, class I, having more than \$1,000,000 of such revenue; class II, from \$100,000 to \$1,000,000; and class III, less than \$100,000. During recent years more detailed reports are required from class I carriers than from smaller companies. The basis of the figures in each table is indicated by notes. Omission of class II and class III railroads affects very little the comparability of statistics with those of earlier years as regards most items, since the bulk of the business is done by class I.

The Interstate Commerce Commission divides railroads geographically into three districts and eight subsidiary regions. Each railroad is treated as a unit and placed wholly in some one district or region. Broadly speaking, the eastern district includes territory east of Chicago and north of the Ohio and Potomac Rivers; southern district, territory east of the Mississippi River and south of the Ohio and Potomac Rivers; and western district, the remainder of the country.

Class I companies make monthly reports and the yearly totals from these become available earlier than the sometimes slightly corrected totals from the final annual reports. The latest figures in these tables are in many cases from the monthly reports.

### No. 420.—RAILWAY MILEAGE OWNED AND MILEAGE OPERATED CLASSIFIED BY TRACKAGE

**NOTE.**—Beginning with 1908 switching and terminal roads are omitted (they operate about 2,300 miles of main tracks). The first and second columns cover all railroads, including "circular" and "unofficial" lines; the last five columns omit "circular" and "unofficial" lines. Mileage owned excludes all duplication and covers continental United States only. Mileage operated includes some duplication under trackage rights and some mileage in Canada operated by United States companies

| Year          | Miles of road (first track) owned | Miles operated                    |                     |                   |                        |             | Class I railroads: Road (first track) |
|---------------|-----------------------------------|-----------------------------------|---------------------|-------------------|------------------------|-------------|---------------------------------------|
|               |                                   | All railroads: Road (first track) | Reporting railroads |                   |                        |             |                                       |
|               |                                   |                                   | Road (first track)  | Other main tracks | Yard track and sidings | Total track |                                       |
| June 30, 1890 | 163, 597                          | 167, 191                          | 156, 404            | 9, 780            | 33, 711                | 199, 875    | -----                                 |
| 1895          | 180, 057                          | 184, 628                          | 177, 746            | 12, 348           | 43, 181                | 233, 275    | -----                                 |
| 1900          | 193, 346                          | 198, 964                          | 192, 566            | 14, 075           | 52, 133                | 258, 794    | -----                                 |
| 1905          | 218, 101                          | 225, 196                          | 216, 974            | 19, 881           | 69, 942                | 306, 797    | -----                                 |
| 1910          | 240, 293                          | 249, 992                          | 240, 831            | 25, 354           | 85, 582                | 351, 767    | -----                                 |
| 1911          | 243, 979                          | 254, 732                          | 246, 238            | 27, 612           | 88, 974                | 362, 824    | 216, 877                              |
| 1912          | 246, 777                          | 258, 033                          | 249, 852            | 29, 367           | 92, 010                | 371, 233    | 220, 063                              |
| 1913          | 249, 777                          | 261, 036                          | 253, 470            | 30, 827           | 95, 211                | 379, 508    | 224, 236                              |
| 1914          | 252, 105                          | 263, 547                          | 256, 547            | 32, 376           | 98, 285                | 387, 208    | 226, 999                              |
| 1915          | 253, 789                          | 264, 378                          | 257, 569            | 33, 662           | 99, 010                | 391, 141    | 228, 989                              |
| Dec. 31, 1916 | 254, 037                          | 266, 881                          | 259, 705            | 34, 325           | 102, 984               | 397, 014    | 231, 074                              |
| 1917          | 253, 626                          | 266, 015                          | 269, 705            | 35, 066           | 105, 582               | 400, 353    | 232, 897                              |
| 1918          | 255, 529                          | 264, 233                          | 258, 607            | 36, 228           | 107, 608               | 402, 343    | 233, 145                              |
| 1919          | 253, 152                          | 263, 707                          | 258, 625            | 36, 730           | 108, 637               | 403, 892    | 234, 303                              |
| 1920          | 252, 845                          | 263, 821                          | 259, 941            | 36, 894           | 109, 744               | 406, 579    | 235, 234                              |
| 1921          | 251, 176                          | 262, 544                          | 258, 362            | 37, 614           | 111, 555               | 407, 531    | 234, 702                              |
| 1922          | 250, 413                          | 261, 984                          | 257, 425            | 37, 888           | 114, 046               | 409, 369    | 234, 970                              |
| 1923          | 250, 222                          | 262, 482                          | 258, 084            | 38, 697           | 116, 212               | 412, 993    | 235, 574                              |
| 1924          | 250, 156                          | 262, 158                          | 258, 238            | 39, 916           | 118, 874               | 415, 028    | 235, 894                              |
| 1925          | 249, 398                          | 261, 671                          | 258, 631            | 40, 962           | 118, 361               | 417, 964    | 236, 840                              |
| 1926          | 249, 138                          | 261, 682                          | 258, 816            | 41, 686           | 120, 840               | 421, 341    | 237, 054                              |
| 1927          | 249, 131                          | 262, 091                          | 259, 039            | 42, 071           | 123, 027               | 424, 737    | 238, 634                              |
| 1928          | 249, 309                          | 262, 713                          | 260, 546            | 42, 432           | 124, 772               | 427, 750    | 240, 747                              |
| 1929          | 249, 433                          | 262, 546                          | 260, 570            | 42, 711           | 125, 774               | 429, 056    | 242, 015                              |
| 1930          | 249, 052                          | 262, 216                          | 260, 440            | 42, 742           | 126, 701               | 429, 883    | 242, 391                              |
| 1931          | 248, 829                          | 261, 816                          | 259, 999            | 42, 780           | 127, 044               | 429, 823    | 242, 292                              |
| 1932          | 247, 595                          | 260, 438                          | 258, 899            | 42, 556           | 126, 977               | 428, 402    | 241, 424                              |
| 1933          | 245, 703                          | 258, 466                          | 256, 741            | 42, 397           | 126, 526               | 425, 664    | 239, 797                              |
| 1934          | 243, 857                          | 256, 418                          | 254, 892            | 42, 109           | 125, 410               | 422, 401    | 238, 555                              |
| 1935          | 241, 822                          | 254, 347                          | 252, 930            | 41, 916           | 124, 382               | 419, 228    | 237, 491                              |

Source: Interstate Commerce Commission.

## No. 421.—RAILWAY MILEAGE OWNED: By States

NOTE.—See headnote to table 420. The data are for the actual length of line in each State without duplication. Figures relate to June 30 prior to 1920 and Dec. 31 thereafter; they include reporting, circular, and unofficial railways, but since 1908 exclude switching and terminal roads

| State                         | 1860 <sup>1</sup> | 1870 <sup>1</sup> | 1880 <sup>1</sup> | 1890    | 1900    | 1910 <sup>2</sup> | 1920    | 1930    | 1933    | 1934    |
|-------------------------------|-------------------|-------------------|-------------------|---------|---------|-------------------|---------|---------|---------|---------|
| United States <sup>3</sup> .. | 30,026            | 52,922            | 93,267            | 163,597 | 193,346 | 240,439           | 252,845 | 249,052 | 245,703 | 243,857 |
| New England.....              | 3,680             | 4,494             | 5,882             | 6,718   | 7,591   | 7,931             | 7,842   | 7,596   | 7,606   | 7,415   |
| Maine.....                    | 472               | 786               | 1,006             | 1,338   | 1,915   | 2,248             | 2,295   | 2,193   | 2,181   | 2,137   |
| New Hampshire.....            | 601               | 736               | 1,016             | 1,145   | 1,239   | 1,246             | 1,252   | 1,165   | 1,132   | 1,089   |
| Vermont.....                  | 554               | 614               | 914               | 921     | 1,012   | 1,100             | 1,077   | 1,056   | 1,035   | 1,016   |
| Massachusetts.....            | 1,204             | 1,480             | 1,915             | 2,094   | 2,119   | 2,115             | 2,106   | 2,022   | 1,999   | 1,962   |
| Rhode Island.....             | 108               | 138               | 210               | 213     | 212     | 212               | 211     | 191     | 204     | 205     |
| Connecticut.....              | 601               | 742               | 923               | 1,007   | 1,024   | 1,000             | 1,001   | 909     | 975     | 976     |
| Middle Atlantic.....          | 6,840             | 9,709             | 13,832            | 18,161  | 20,709  | 21,990            | 22,293  | 21,752  | 21,618  | 21,421  |
| New York.....                 | 2,682             | 3,928             | 5,957             | 7,661   | 8,121   | 8,430             | 8,390   | 8,312   | 8,252   | 8,211   |
| New Jersey.....               | 560               | 1,125             | 1,684             | 2,047   | 2,267   | 2,260             | 2,352   | 2,299   | 2,198   | 2,189   |
| Pennsylvania.....             | 2,698             | 4,656             | 6,191             | 8,458   | 10,331  | 11,290            | 11,551  | 11,141  | 11,098  | 11,021  |
| South Atlantic.....           | 5,976             | 7,349             | 9,789             | 12,270  | 23,362  | 29,795            | 32,380  | 31,644  | 30,923  | 30,073  |
| Delaware.....                 | 127               | 197               | 275               | 323     | 347     | 335               | 335     | 325     | 326     | 325     |
| District of Columbia.....     | ( <sup>4</sup> )  | ( <sup>4</sup> )  | ( <sup>4</sup> )  | 30      | 32      | 36                | 36      | 36      | 38      | 38      |
| Maryland.....                 | 386               | 671               | 1,040             | 1,231   | 1,376   | 1,425             | 1,436   | 1,443   | 1,439   | 1,439   |
| Virginia.....                 | 1,379             | 1,486             | 1,593             | 3,160   | 3,779   | 4,535             | 4,703   | 4,516   | 4,418   | 4,414   |
| West Virginia.....            | 352               | 397               | 691               | 1,325   | 2,228   | 3,801             | 3,996   | 4,046   | 3,981   | 3,955   |
| North Carolina.....           | 937               | 1,178             | 1,486             | 3,001   | 3,831   | 4,932             | 5,522   | 5,161   | 4,994   | 4,902   |
| South Carolina.....           | 973               | 1,139             | 1,427             | 2,194   | 2,818   | 3,442             | 3,814   | 3,780   | 3,720   | 3,651   |
| Georgia.....                  | 1,420             | 1,846             | 2,459             | 4,532   | 5,652   | 7,056             | 7,326   | 6,671   | 6,552   | 6,404   |
| Florida.....                  | 402               | 446               | 618               | 2,471   | 3,299   | 4,432             | 5,212   | 5,066   | 5,480   | 5,455   |
| East North Central.....       | 9,583             | 14,701            | 25,109            | 38,924  | 41,007  | 44,928            | 44,904  | 43,770  | 42,787  | 42,459  |
| Ohio.....                     | 2,946             | 3,638             | 5,792             | 7,912   | 8,807   | 9,134             | 9,002   | 8,804   | 8,587   | 8,585   |
| Indiana.....                  | 2,163             | 3,177             | 4,373             | 5,971   | 6,471   | 7,420             | 7,426   | 7,106   | 7,062   | 7,061   |
| Illinois.....                 | 2,790             | 4,823             | 7,851             | 10,214  | 11,008  | 11,878            | 12,188  | 12,500  | 12,349  | 12,262  |
| Michigan.....                 | 779               | 1,638             | 3,981             | 7,243   | 8,196   | 9,021             | 8,734   | 8,072   | 7,726   | 7,647   |
| Wisconsin.....                | 905               | 1,626             | 3,155             | 5,584   | 6,531   | 7,475             | 7,554   | 7,288   | 7,063   | 6,904   |
| West North Central.....       | 1,472             | 8,048             | 19,094            | 38,354  | 42,988  | 49,730            | 52,180  | 51,400  | 50,805  | 50,446  |
| Minnesota.....                | —                 | 1,092             | 3,151             | 5,450   | 6,943   | 8,069             | 9,114   | 8,779   | 8,699   | 8,636   |
| Iowa.....                     | 655               | 2,033             | 5,400             | 8,355   | 9,185   | 9,755             | 9,808   | 9,638   | 9,679   | 9,517   |
| Missouri.....                 | 817               | 2,000             | 3,965             | 6,004   | 6,876   | 8,083             | 8,117   | 7,897   | 7,867   | 7,718   |
| North Dakota.....             | —                 | 165               | 1,225             | 1,941   | 2,781   | 4,201             | 5,311   | 5,275   | 5,276   | 5,276   |
| South Dakota.....             | —                 | ( <sup>5</sup> )  | ( <sup>5</sup> )  | 2,480   | 2,850   | 3,948             | 4,276   | 4,238   | 4,218   | 4,192   |
| Nebraska.....                 | —                 | 705               | 1,953             | 5,295   | 6,685   | 6,067             | 6,166   | 6,174   | 6,105   | 6,104   |
| Kansas.....                   | —                 | 1,501             | 3,400             | 8,506   | 8,719   | 9,007             | 9,388   | 9,339   | 9,161   | 9,093   |
| East South Central.....       | 3,392             | 4,656             | 6,943             | 11,144  | 13,343  | 17,074            | 17,754  | 17,452  | 16,984  | 16,903  |
| Kentucky.....                 | 534               | 1,017             | 1,630             | 2,746   | 3,060   | 3,526             | 3,929   | 4,054   | 3,821   | 3,791   |
| Tennessee.....                | 1,253             | 1,492             | 1,943             | 2,752   | 3,137   | 3,816             | 4,078   | 3,940   | 3,903   | 3,868   |
| Alabama.....                  | 743               | 1,157             | 1,843             | 3,314   | 4,226   | 5,226             | 5,378   | 5,249   | 5,184   | 5,169   |
| Mississippi.....              | 562               | 990               | 1,127             | 2,332   | 2,920   | 4,506             | 4,369   | 4,209   | 4,076   | 4,075   |
| West South Central.....       | 680               | 1,417             | 5,044             | 13,732  | 18,231  | 31,122            | 32,972  | 33,227  | 32,682  | 32,667  |
| Louisiana.....                | 335               | 450               | 852               | 1,759   | 2,824   | 5,554             | 5,223   | 4,654   | 4,698   | 4,535   |
| Texas.....                    | 307               | 711               | 3,244             | 8,613   | 9,886   | 14,282            | 16,125  | 17,089  | 16,887  | 16,734  |
| Oklahoma.....                 | —                 | —                 | 289               | 1,214   | 2,151   | 5,980             | 6,572   | 6,678   | 6,733   | 6,667   |
| Arkansas.....                 | 38                | 256               | 859               | 2,196   | 3,380   | 5,306             | 5,052   | 4,826   | 4,764   | 4,741   |
| Mountain.....                 | —                 | 1,468             | 5,082             | 12,676  | 15,808  | 22,958            | 25,170  | 24,873  | 24,751  | 24,631  |
| Montana.....                  | —                 | —                 | 106               | 2,181   | 3,010   | 4,207             | 5,072   | 5,228   | 5,209   | 5,222   |
| Wyoming.....                  | —                 | 459               | 612               | 942     | 1,229   | 1,645             | 1,931   | 2,036   | 2,036   | 2,035   |
| Colorado.....                 | —                 | 157               | 1,670             | 4,176   | 4,587   | 5,533             | 5,519   | 4,972   | 4,952   | 4,925   |
| New Mexico.....               | —                 | —                 | 758               | 1,824   | 1,753   | 3,032             | 2,972   | 2,973   | 2,956   | 2,915   |
| Arizona.....                  | —                 | —                 | 349               | 1,097   | 1,512   | 2,097             | 2,478   | 2,494   | 2,335   | 2,316   |
| Utah.....                     | —                 | 257               | 842               | 1,090   | 1,547   | 1,986             | 2,161   | 2,196   | 2,174   | 2,160   |
| Nevada.....                   | —                 | 593               | 739               | 925     | 909     | 2,277             | 2,160   | 2,109   | 2,157   | 2,130   |
| Idaho.....                    | —                 | —                 | 206               | 941     | 1,261   | 2,179             | 2,877   | 2,905   | 2,932   | 2,928   |
| Pacific.....                  | 23                | 1,084             | 2,999             | 7,567   | 10,339  | 14,932            | 17,248  | 17,238  | 17,347  | 17,242  |
| Washington.....               | —                 | —                 | 289               | 1,783   | 2,914   | 4,875             | 5,587   | 5,542   | 5,433   | 5,433   |
| Oregon.....                   | —                 | 150               | 608               | 1,428   | 1,724   | 2,285             | 3,305   | 3,456   | 3,632   | 3,619   |
| California.....               | 23                | 925               | 2,195             | 4,356   | 5,751   | 7,772             | 8,356   | 8,240   | 8,272   | 8,190   |
| Alaska Territory.....         | —                 | —                 | —                 | —       | —       | 390               | 246     | 790     | 732     | 732     |
| Hawaii Territory.....         | —                 | —                 | —                 | —       | —       | 175               | 243     | 232     | 229     | 223     |

<sup>1</sup> Represents mileage operated.<sup>2</sup> Revised total 240,293 not distributed by States.<sup>3</sup> Totals exclude Alaska and Hawaii.<sup>4</sup> Included in returns for Maryland.<sup>5</sup> Figures for Dakota.<sup>6</sup> For total Dakota see North Dakota.

Source: Interstate Commerce Commission.

## No. 422.—RAILWAY MILEAGE OWNED AND OPERATED

NOTE.—See note to table 420. Since 1890 the columns correspond to the first and third columns of that table. The exact basis of the data prior to 1890 is not stated. For years 1842 to 1889 and 1916 to date data relate to Dec. 31; for years 1890 to 1915 data relate to June 30

| Year | Owned    | Operated | Year | Owned    | Operated | Year | Owned    | Operated |
|------|----------|----------|------|----------|----------|------|----------|----------|
| 1842 |          | 4, 026   | 1894 | 178, 709 | 175, 091 | 1915 | 253, 789 | 267, 669 |
| 1860 |          | 9, 021   | 1895 | 180, 657 | 177, 746 | 1916 | 254, 037 | 259, 705 |
| 1865 |          | 18, 374  | 1896 | 182, 777 | 181, 983 | 1917 | 263, 026 | 259, 705 |
| 1860 |          | 30, 026  | 1897 | 184, 428 | 183, 284 | 1918 | 263, 520 | 263, 607 |
| 1865 |          | 35, 085  | 1898 | 186, 390 | 184, 648 | 1919 | 263, 152 | 258, 525 |
| 1870 |          | 52, 922  | 1899 | 186, 205 | 187, 535 | 1920 | 252, 845 | 259, 941 |
| 1875 |          | 74, 096  | 1900 | 193, 346 | 192, 550 | 1921 | 251, 176 | 258, 362 |
| 1880 |          | 93, 262  | 1901 | 197, 237 | 195, 502 | 1922 | 250, 413 | 257, 425 |
| 1881 |          | 103, 108 | 1902 | 202, 472 | 200, 155 | 1923 | 250, 222 | 258, 084 |
| 1882 |          | 114, 677 | 1903 | 207, 977 | 205, 314 | 1924 | 250, 166 | 258, 238 |
| 1883 |          | 121, 422 | 1904 | 213, 904 | 212, 243 | 1925 | 249, 398 | 258, 631 |
| 1884 |          | 125, 345 | 1905 | 218, 101 | 215, 974 | 1926 | 249, 138 | 258, 815 |
| 1885 |          | 128, 320 | 1906 | 224, 363 | 222, 340 | 1927 | 249, 131 | 259, 639 |
| 1886 |          | 136, 358 | 1907 | 229, 951 | 227, 455 | 1928 | 249, 309 | 260, 546 |
| 1887 |          | 149, 214 | 1908 | 233, 468 | 230, 494 | 1929 | 249, 433 | 260, 570 |
| 1888 |          | 156, 114 | 1909 | 236, 834 | 235, 402 | 1930 | 249, 052 | 260, 440 |
| 1889 |          | 161, 270 | 1910 | 240, 293 | 240, 831 | 1931 | 248, 829 | 259, 999 |
| 1890 | 163, 897 | 156, 404 | 1911 | 243, 079 | 246, 238 | 1932 | 247, 595 | 258, 809 |
| 1891 | 168, 403 | 161, 275 | 1912 | 246, 777 | 249, 852 | 1933 | 245, 703 | 256, 741 |
| 1892 | 171, 564 | 162, 397 | 1913 | 249, 777 | 253, 470 | 1934 | 243, 807 | 254, 882 |
| 1893 | 176, 461 | 169, 780 | 1914 | 252, 105 | 250, 547 | 1935 | 241, 822 | 252, 930 |

Source: Poor's Manual of Railroads prior to 1890; Interstate Commerce Commission thereafter.

## No. 423.—MILEAGE OPERATED AND EQUIPMENT: CLASS I CARRIERS

NOTE.—Mileage operated includes some duplication due to trackage rights and some mileage in Canada operated by United States companies. For car equipment in detail see table 427

| Year ended Dec. 31 | Mileage operated   |                   |                        |             | Locomotives                |                            |                | Aggregate capacity of freight cars (1,000 tons) |
|--------------------|--------------------|-------------------|------------------------|-------------|----------------------------|----------------------------|----------------|-------------------------------------------------|
|                    | Road (first track) | Other main tracks | Yard track and sidings | Total track | Number, steam and electric | Tractive power, steam only |                |                                                 |
|                    |                    |                   |                        |             |                            | Aggregate (1,000 lbs.)     | Average (lbs.) |                                                 |
| Total:             |                    |                   |                        |             |                            |                            |                |                                                 |
| 1916               | 231, 674           | 34, 129           | 98, 334                | 364, 137    | 61, 332                    | 2, 024, 119                | 33, 188        | 92, 280                                         |
| 1920               | 235, 234           | 36, 737           | 105, 408               | 377, 379    | 64, 746                    | 2, 340, 761                | 36, 365        | 98, 848                                         |
| 1925               | 236, 840           | 40, 817           | 113, 873               | 391, 539    | 63, 074                    | 2, 586, 868                | 40, 060        | 105, 670                                        |
| 1926               | 237, 054           | 41, 637           | 110, 353               | 394, 944    | 62, 701                    | 2, 611, 238                | 41, 888        | 105, 953                                        |
| 1927               | 238, 634           | 41, 026           | 118, 654               | 399, 214    | 61, 344                    | 2, 606, 171                | 42, 798        | 105, 846                                        |
| 1928               | 240, 747           | 42, 255           | 120, 470               | 403, 481    | 59, 441                    | 2, 579, 643                | 43, 838        | 105, 322                                        |
| 1929               | 242, 015           | 42, 566           | 121, 882               | 406, 453    | 57, 537                    | 2, 550, 813                | 44, 801        | 105, 411                                        |
| 1930               | 242, 391           | 42, 684           | 123, 024               | 407, 909    | 66, 493                    | 2, 526, 940                | 45, 225        | 108, 180                                        |
| 1931               | 242, 262           | 42, 627           | 123, 318               | 408, 237    | 55, 055                    | 2, 488, 861                | 45, 704        | 108, 422                                        |
| 1932               | 241, 424           | 42, 404           | 123, 241               | 407, 069    | 53, 217                    | 2, 430, 328                | 46, 299        | 100, 901                                        |
| 1933               | 239, 797           | 42, 248           | 122, 863               | 404, 908    | 50, 802                    | 2, 348, 821                | 46, 919        | 96, 734                                         |
| 1934               | 238, 555           | 41, 998           | 121, 878               | 402, 431    | 48, 184                    | 2, 263, 267                | 47, 712        | 92, 969                                         |
| Eastern district:  |                    |                   |                        |             |                            |                            |                |                                                 |
| 1916               | 59, 175            | 20, 879           | 40, 056                | 120, 110    | 28, 179                    | 968, 339                   | 34, 333        | 47, 185                                         |
| 1920               | 59, 513            | 21, 734           | 42, 387                | 123, 634    | 29, 478                    | 1, 102, 551                | 37, 702        | 49, 543                                         |
| 1925               | 50, 249            | 22, 882           | 45, 054                | 127, 185    | 28, 409                    | 1, 193, 573                | 42, 408        | 51, 449                                         |
| 1930               | 60, 014            | 23, 131           | 46, 552                | 129, 697    | 24, 247                    | 1, 108, 965                | 46, 531        | 50, 618                                         |
| 1932               | 59, 711            | 22, 892           | 46, 554                | 129, 157    | 22, 713                    | 1, 067, 012                | 47, 628        | 49, 163                                         |
| 1933               | 59, 307            | 22, 648           | 46, 177                | 128, 132    | 21, 438                    | 1, 012, 309                | 48, 427        | 47, 416                                         |
| 1934               | 59, 162            | 22, 900           | 45, 627                | 127, 398    | 20, 450                    | 979, 325                   | 49, 180        | 46, 820                                         |
| Southern district: |                    |                   |                        |             |                            |                            |                |                                                 |
| 1916               | 42, 753            | 3, 940            | 15, 095                | 62, 888     | 9, 754                     | 323, 023                   | 33, 166        | 15, 638                                         |
| 1920               | 43, 799            | 4, 436            | 17, 080                | 65, 315     | 10, 740                    | 392, 332                   | 36, 025        | 16, 980                                         |
| 1925               | 44, 241            | 5, 707            | 19, 190                | 69, 147     | 11, 168                    | 457, 579                   | 41, 112        | 18, 908                                         |
| 1930               | 46, 087            | 6, 377            | 21, 882                | 74, 346     | 10, 717                    | 483, 145                   | 45, 404        | 19, 871                                         |
| 1932               | 45, 886            | 6, 348            | 21, 853                | 74, 087     | 10, 449                    | 470, 606                   | 45, 947        | 19, 183                                         |
| 1933               | 45, 560            | 6, 399            | 22, 052                | 74, 001     | 9, 981                     | 462, 827                   | 46, 727        | 17, 909                                         |
| 1934               | 45, 310            | 6, 386            | 21, 950                | 73, 646     | 9, 369                     | 442, 338                   | 47, 589        | 17, 462                                         |
| Western district:  |                    |                   |                        |             |                            |                            |                |                                                 |
| 1916               | 129, 746           | 9, 310            | 42, 583                | 181, 639    | 23, 399                    | 742, 757                   | 31, 827        | 29, 463                                         |
| 1920               | 131, 922           | 10, 567           | 45, 941                | 188, 430    | 24, 528                    | 845, 878                   | 34, 584        | 31, 820                                         |
| 1925               | 133, 359           | 12, 228           | 49, 620                | 195, 207    | 24, 407                    | 935, 716                   | 38, 448        | 35, 153                                         |
| 1930               | 136, 280           | 13, 076           | 54, 580                | 203, 950    | 21, 529                    | 984, 830                   | 43, 682        | 36, 691                                         |
| 1932               | 135, 827           | 13, 164           | 54, 834                | 203, 825    | 20, 055                    | 896, 710                   | 45, 002        | 32, 555                                         |
| 1933               | 134, 930           | 13, 211           | 54, 634                | 202, 775    | 19, 383                    | 873, 685                   | 45, 374        | 31, 409                                         |
| 1934               | 134, 083           | 13, 003           | 54, 301                | 201, 387    | 18, 366                    | 841, 004                   | 46, 171        | 29, 678                                         |

<sup>1</sup> Includes second track, 36,313 miles; third track, 3,134 miles; fourth and other, 2,551 miles.

Source: Interstate Commerce Commission.

### No. 424.—MILEAGE OF ROAD AND TRACKS OPERATED: CLASS I CARRIERS, BY DISTRICTS

NOTE.—Figures include some mileage in Canada operated by United States companies as follows: 1916, 2,097 miles; 1920, 1,949 miles; 1925, 3,087 miles; 1930, 2,896 miles; 1933, 2,770 miles; 1934, 2,709 miles, consisting of 1,597 miles of road, 479 miles of second main track, 72 miles of industrial tracks, and 561 miles of yard track and sidings. Figures also include some industrial tracks as follows: 1925, 20,407 miles; 1930, 21,604 miles; 1933, 21,601 miles; 1934, 21,288 miles

| District and year ended Dec. 31 | Total, all tracks | Road (first main track) | Second main track | Third main track | Fourth and other main tracks | Yard track and sidings | Electrified mileage |                         |                   |                        |
|---------------------------------|-------------------|-------------------------|-------------------|------------------|------------------------------|------------------------|---------------------|-------------------------|-------------------|------------------------|
|                                 |                   |                         |                   |                  |                              |                        | Total track         | Road (first main track) | Other main tracks | Yard track and sidings |
| <b>All districts:</b>           |                   |                         |                   |                  |                              |                        |                     |                         |                   |                        |
| 1916.....                       | 364,137           | 231,674                 | 29,223            | 2,716            | 2,190                        | 98,334                 | ( <sup>1</sup> )    | ( <sup>1</sup> )        | ( <sup>1</sup> )  | ( <sup>1</sup> )       |
| 1920.....                       | 377,379           | 235,234                 | 31,512            | 2,936            | 2,289                        | 105,408                | 3,132               | 1,449                   | 900               | 783                    |
| 1925.....                       | 391,539           | 236,948                 | 35,200            | 3,111            | 2,606                        | 113,874                | 3,598               | 1,674                   | 972               | 952                    |
| 1930.....                       | 407,099           | 242,391                 | 36,755            | 3,239            | 2,590                        | 123,024                | 5,098               | 2,331                   | 1,432             | 1,285                  |
| 1933.....                       | 404,908           | 239,797                 | 30,583            | 3,121            | 2,544                        | 122,868                | 5,462               | 2,399                   | 1,668             | 1,395                  |
| 1934.....                       | 402,431           | 238,555                 | 30,313            | 3,134            | 2,551                        | 121,878                | 5,436               | 2,368                   | 1,659             | 1,409                  |
| <b>Eastern district:</b>        |                   |                         |                   |                  |                              |                        |                     |                         |                   |                        |
| 1916.....                       | 120,110           | 59,175                  | 16,666            | 2,408            | 1,805                        | 40,056                 | ( <sup>1</sup> )    | ( <sup>1</sup> )        | ( <sup>1</sup> )  | ( <sup>1</sup> )       |
| 1920.....                       | 128,132           | 59,307                  | 17,996            | 2,656            | 1,996                        | 46,177                 | 3,563               | 1,283                   | 1,403             | 877                    |
| 1925.....                       | 127,398           | 59,162                  | 17,922            | 2,671            | 2,016                        | 45,627                 | 3,537               | 1,252                   | 1,393             | 892                    |
| <b>Southern district:</b>       |                   |                         |                   |                  |                              |                        |                     |                         |                   |                        |
| 1916.....                       | 62,389            | 42,753                  | 3,725             | 43               | 173                          | 15,695                 | ( <sup>1</sup> )    | ( <sup>1</sup> )        | ( <sup>1</sup> )  | ( <sup>1</sup> )       |
| 1920.....                       | 74,001            | 45,560                  | 5,928             | 140              | 321                          | 22,052                 | 661                 | 265                     | 191               | 205                    |
| 1925.....                       | 73,646            | 45,310                  | 5,928             | 140              | 318                          | 21,960                 | 660                 | 265                     | 191               | 204                    |
| <b>Western district:</b>        |                   |                         |                   |                  |                              |                        |                     |                         |                   |                        |
| 1916.....                       | 181,638           | 129,746                 | 8,832             | 265              | 212                          | 42,583                 | ( <sup>1</sup> )    | ( <sup>1</sup> )        | ( <sup>1</sup> )  | ( <sup>1</sup> )       |
| 1920.....                       | 202,775           | 134,930                 | 12,659            | 325              | 227                          | 54,634                 | 1,238               | 851                     | 74                | 313                    |
| 1925.....                       | 201,387           | 134,083                 | 12,463            | 323              | 217                          | 54,301                 | 1,239               | 851                     | 75                | 313                    |

<sup>1</sup> Data not available.

<sup>2</sup> Does not include 43 miles of electric street railways operated by Boston & Maine R. R.

### No. 425.—RAILWAY EQUIPMENT INSTALLED AND RETIRED FROM SERVICE: CLASS I CARRIERS

NOTE.—“Installed” includes new and used equipment purchased; equipment leased from others; the return to service of equipment that was leased to others; equipment rebuilt or converted; and units (except locomotives) transferred from one class of service to another. “Retired” includes equipment permanently withdrawn from transportation service; equipment leased to others; the return of leased equipment to the owning companies; equipment rebuilt or converted; and units (except locomotives) transferred from one class of service to another

| Year ended—               | Locomotives        |                    | Freight-train cars |                | Passenger-train cars |                |
|---------------------------|--------------------|--------------------|--------------------|----------------|----------------------|----------------|
|                           | Number installed   | Number retired     | Number installed   | Number retired | Number installed     | Number retired |
| <b>June 30, 1911.....</b> | 3,694              | 1,468              | 125,532            | 68,081         | 4,250                | 1,701          |
| 1912.....                 | 2,861              | 1,858              | 97,972             | 69,876         | 3,080                | 1,387          |
| 1913.....                 | 4,381              | 2,338              | 162,670            | 96,825         | 2,823                | 1,842          |
| 1914.....                 | 3,245              | 1,862              | 150,813            | 96,985         | 3,629                | 1,854          |
| 1915.....                 | 1,114              | 1,507              | 86,012             | 90,347         | 2,664                | 1,385          |
| 1916.....                 | 1,475              | 2,576              | 88,254             | 109,996        | 1,261                | 2,156          |
| <b>Dec. 31, 1917.....</b> | 2,148              | 1,423              | 117,210            | 62,253         | 2,535                | 1,671          |
| 1918.....                 | 2,803              | 977                | 65,249             | 56,024         | 1,817                | 1,051          |
| 1919.....                 | 2,062              | 990                | 76,019             | 43,274         | 435                  | 670            |
| 1920.....                 | 1,017              | 1,254              | 36,044             | 75,197         | 621                  | 885            |
| 1921.....                 | 1,330              | 1,130              | 63,406             | 69,245         | 1,681                | 929            |
| 1922.....                 | 1,226              | 1,682              | 105,394            | 126,471        | 1,328                | 1,286          |
| 1923.....                 | 4,360              | 3,745              | 232,060            | 213,789        | 2,658                | 2,360          |
| 1924.....                 | 2,786              | 2,529              | 156,572            | 118,560        | 2,755                | 2,295          |
| 1925.....                 | 1,600              | 2,873              | 139,083            | 128,573        | 3,230                | 3,559          |
| 1926.....                 | <sup>1</sup> 1,882 | <sup>1</sup> 3,105 | 93,369             | 103,152        | 3,455                | 3,309          |
| 1927.....                 | <sup>1</sup> 1,542 | <sup>1</sup> 2,976 | 73,254             | 96,991         | 2,646                | 3,612          |
| 1928.....                 | <sup>1</sup> 1,017 | <sup>1</sup> 3,047 | 62,945             | 90,707         | 2,524                | 3,252          |
| 1929.....                 | <sup>1</sup> 1,229 | <sup>1</sup> 3,134 | 94,946             | 115,896        | 2,663                | 3,499          |
| 1930.....                 | <sup>1</sup> 1,160 | <sup>1</sup> 2,204 | 81,038             | 82,101         | 1,900                | 2,036          |
| 1931.....                 | <sup>1</sup> 482   | <sup>1</sup> 1,802 | 14,910             | 32,828         | 697                  | 1,938          |
| 1932.....                 | <sup>1</sup> 477   | <sup>1</sup> 2,316 | 8,545              | 69,394         | 579                  | 1,928          |
| 1933.....                 | <sup>1</sup> 268   | <sup>1</sup> 2,681 | 6,410              | 117,268        | 607                  | 3,443          |
| 1934.....                 | <sup>1</sup> 312   | <sup>1</sup> 2,612 | 31,366             | 129,026        | 703                  | 3,368          |

<sup>1</sup> Excludes units transferred from one class of service to another.

Source of tables 424 and 425: Interstate Commerce Commission.

## No. 426.—RAILWAY EQUIPMENT IN SERVICE, ALL REPORTING COMPANIES

NOTE.—"All reporting companies" include switching and terminal but not circular and unofficial lines. Data for tractive effort and capacity of cars exclude switching roads, also smaller roads during recent years; they would not be materially different if all carriers were included. The large number of cars owned by private car lines is not included

| Year               | Total number | Locomotives |                        |                |                                        | Freight-train cars <sup>1</sup> |                        |                | Passenger-train cars |
|--------------------|--------------|-------------|------------------------|----------------|----------------------------------------|---------------------------------|------------------------|----------------|----------------------|
|                    |              | Number      | Steam                  |                | Electric locomotive units <sup>2</sup> | Total number                    | Capacity               |                |                      |
|                    |              |             | Tractive effort        |                |                                        |                                 | Aggregate (1,000 tons) | Average (tons) |                      |
|                    |              |             | Aggregate (1,000 lbs.) | Average (lbs.) |                                        |                                 |                        |                |                      |
| June 30, 1910..... | 60, 019      | 65, 253     | 1, 588, 894            | 27, 282        | -----                                  | 2, 148, 478                     | 76, 879                | 35.9           | 47, 179              |
| Dec. 31, 1916..... | 55, 595      | 65, 253     | 2, 066, 166            | 32, 880        | 342                                    | 2, 329, 475                     | 94, 441                | 40.8           | 55, 193              |
| 1917.....          | 66, 070      | 65, 699     | 2, 087, 950            | 33, 932        | 371                                    | 2, 379, 472                     | 95, 467                | 41.5           | 55, 939              |
| 1918.....          | 67, 936      | 67, 563     | 2, 223, 246            | 34, 005        | 373                                    | 2, 397, 943                     | 90, 707                | 41.6           | 56, 611              |
| 1919.....          | 65, 977      | 68, 592     | 2, 312, 634            | 35, 789        | 385                                    | 2, 426, 889                     | 99, 001                | 41.9           | 56, 280              |
| 1920.....          | 65, 942      | 68, 554     | 2, 340, 761            | 36, 305        | 388                                    | 2, 388, 424                     | 98, 343                | 42.4           | 56, 102              |
| 1921.....          | 69, 122      | 68, 733     | 2, 385, 470            | 36, 935        | 389                                    | 2, 378, 510                     | 98, 504                | 42.5           | 56, 950              |
| 1922.....          | 68, 518      | 68, 121     | 2, 401, 462            | 37, 441        | 397                                    | 2, 352, 483                     | 98, 847                | 43.1           | 56, 827              |
| 1923.....          | 69, 414      | 69, 005     | 2, 544, 116            | 39, 177        | 409                                    | 2, 379, 131                     | 101, 318               | 43.8           | 57, 159              |
| 1924.....          | 69, 486      | 69, 114     | 2, 593, 178            | 39, 891        | 372                                    | 2, 411, 627                     | 104, 149               | 44.3           | 57, 451              |
| 1925.....          | 68, 092      | 67, 713     | 2, 580, 868            | 40, 069        | 379                                    | 2, 414, 083                     | 105, 370               | 44.8           | 56, 814              |
| 1926.....          | 66, 816      | 66, 381     | 2, 611, 238            | 41, 886        | 438                                    | 2, 403, 967                     | 105, 053               | 45.1           | 55, 855              |
| 1927.....          | 65, 348      | 64, 848     | 2, 606, 171            | 42, 766        | 467                                    | 2, 378, 800                     | 105, 840               | 45.5           | 55, 729              |
| 1928.....          | 63, 811      | 62, 642     | 2, 579, 648            | 43, 838        | 617                                    | 2, 346, 751                     | 105, 322               | 45.8           | 54, 800              |
| 1929.....          | 61, 257      | 60, 572     | 2, 550, 813            | 44, 801        | 621                                    | 2, 323, 653                     | 105, 411               | 46.3           | 55, 836              |
| 1930.....          | 60, 189      | 59, 406     | 2, 520, 040            | 45, 225        | 663                                    | 2, 322, 267                     | 106, 180               | 46.6           | 55, 584              |
| 1931.....          | 58, 652      | 57, 820     | 2, 458, 861            | 46, 704        | 709                                    | 2, 245, 904                     | 103, 422               | 47.0           | 52, 096              |
| 1932.....          | 56, 732      | 55, 831     | 2, 430, 328            | 46, 209        | 764                                    | 2, 184, 690                     | 100, 901               | 47.0           | 50, 598              |
| 1933.....          | 54, 228      | 53, 802     | 2, 348, 821            | 46, 816        | 789                                    | 2, 072, 032                     | 98, 734                | 47.5           | 47, 877              |
| 1934.....          | 51, 423      | 50, 465     | 2, 268, 267            | 47, 712        | 805                                    | 1, 973, 247                     | 92, 969                | 48.0           | 44, 884              |

<sup>1</sup> Excludes caboose cars.<sup>2</sup> Figures prior to 1928 represent "number of locomotives."<sup>3</sup> Class I and class II roads.<sup>4</sup> Class I roads.<sup>5</sup> Class I, class II, and class III roads.

## No. 427.—CLASSIFICATION OF RAILWAY CARS IN SERVICE

NOTE.—Figures for "All operating companies" include switching and terminal companies but not circular and unofficial lines. Cars owned by private car lines, roughly equaling one-tenth of those owned by railway companies, are not included

|                                            | All operating companies |             |             |             |             | Class I, 1934 |                  |                        |                   |
|--------------------------------------------|-------------------------|-------------|-------------|-------------|-------------|---------------|------------------|------------------------|-------------------|
|                                            | 1920                    | 1925        | 1930        | 1933        | 1934        | Total         | Eastern district | South-eastern district | West-ern district |
| Freight-train cars <sup>1</sup> .....      | 2, 388, 424             | 2, 414, 083 | 2, 323, 267 | 2, 072, 632 | 1, 973, 247 | 1, 938, 362   | 909, 065         | 363, 815               | 666, 482          |
| Box.....                                   | 1, 056, 514             | 1, 086, 502 | 1, 064, 652 | 930, 488    | 874, 739    | 870, 801      | 382, 142         | 136, 390               | 352, 269          |
| Flat.....                                  | 117, 604                | 113, 562    | 108, 181    | 95, 453     | 88, 093     | 80, 745       | 18, 262          | 16, 112                | 46, 371           |
| Stock.....                                 | 81, 678                 | 87, 452     | 84, 460     | 75, 642     | 70, 529     | 70, 328       | 11, 056          | 5, 998                 | 53, 271           |
| Coal.....                                  | 968, 034                | 979, 483    | 930, 624    | 850, 852    | 825, 893    | 809, 146      | 477, 025         | 193, 381               | 138, 740          |
| Tank.....                                  | 11, 130                 | 12, 151     | 10, 981     | 9, 902      | 9, 397      | 8, 403        | 21               | 21                     | 8, 361            |
| Refrigerator.....                          | 60, 768                 | 49, 488     | 41, 008     | 32, 370     | 29, 328     | 29, 243       | 1, 702           | 4, 816                 | 22, 725           |
| Other.....                                 | 92, 696                 | 85, 385     | 82, 363     | 77, 835     | 75, 258     | 69, 698       | 18, 857          | 7, 096                 | 43, 745           |
| Steel <sup>2</sup> .....                   | 830, 150                | 757, 065    | 854, 864    | 816, 548    | 810, 673    | 819, 673      | 543, 221         | 160, 654               | 115, 798          |
| Steel underframe <sup>3</sup> .....        | 886, 296                | 1, 050, 125 | 1, 118, 267 | 1, 038, 276 | 974, 920    | 974, 920      | 352, 537         | 169, 332               | 453, 051          |
| Caboose cars.....                          | 29, 575                 | 31, 325     | 26, 779     | 27, 316     | 26, 130     | 26, 310       | 10, 463          | 4, 997                 | 9, 850            |
| Passenger-train cars.....                  | 56, 102                 | 58, 814     | 59, 584     | 47, 677     | 44, 884     | 43, 846       | 22, 203          | 6, 228                 | 16, 420           |
| Coaches.....                               | 26, 343                 | 28, 744     | 25, 178     | 22, 218     | 20, 763     | 20, 365       | 11, 390          | 2, 649                 | 6, 314            |
| Combination.....                           | 8, 570                  | 8, 624      | 8, 262      | 7, 493      | 7, 025      | 6, 497        | 2, 653           | 1, 060                 | 2, 784            |
| Emigrant.....                              | 11                      | 7           |             |             |             |               |                  |                        |                   |
| Parlor.....                                | 574                     | 502         | 507         | 470         | 438         | 435           | 68               | 52                     | 313               |
| Sleeping <sup>4</sup> .....                | 558                     | 377         | 223         | 192         | 139         | 139           | 7                |                        | 129               |
| Baggage and express.....                   | 12, 101                 | 13, 174     | 12, 981     | 11, 294     | 10, 699     | 10, 633       | 5, 348           | 1, 416                 | 3, 869            |
| Postal.....                                | 1, 243                  | 1, 092      | 954         | 949         | 933         | 931           | 360              | 185                    | 385               |
| Other.....                                 | 3, 702                  | 4, 294      | 5, 439      | 5, 061      | 4, 887      | 4, 850        | 2, 377           | 859                    | 1, 620            |
| Steel <sup>1</sup> .....                   | 15, 111                 | 21, 190     | 29, 041     | 28, 747     | 28, 324     | 28, 324       | 18, 126          | 3, 675                 | 9, 023            |
| Steel underframe <sup>2</sup> .....        | 6, 578                  | 9, 369      | 10, 376     | 9, 637      | 9, 147      | 9, 147        | 4, 591           | 1, 600                 | 2, 956            |
| Company service equipment.....             | 108, 485                | 112, 592    | 109, 527    | 90, 565     | 82, 593     | 79, 749       | 25, 388          | 14, 514                | 39, 847           |
| Motor cars and trailers <sup>5</sup> ..... | (4)                     | 2, 469      | 5, 594      | 5, 179      | 4, 653      | 4, 653        | 3, 389           | 374                    | 890               |

<sup>1</sup> Excludes caboose cars.<sup>2</sup> Does not include cars owned by Pullman Co.<sup>3</sup> Data represent class I roads only.<sup>4</sup> Data not available.

Source of tables 426 and 427: Interstate Commerce Commission.

No. 428.—EMPLOYEES OF RAILWAYS: NUMBER AND COMPENSATION<sup>1</sup>

| Year ended— | All operating carriers      |                                           |                       |          | Year ended— | All operating carriers      |                                           |                       |          |
|-------------|-----------------------------|-------------------------------------------|-----------------------|----------|-------------|-----------------------------|-------------------------------------------|-----------------------|----------|
|             | Average number of employees | Total yearly compensation (1,000 dollars) | Average compensation  |          |             | Average number of employees | Total yearly compensation (1,000 dollars) | Average compensation  |          |
|             |                             |                                           | Per hour <sup>1</sup> | Per year |             |                             |                                           | Per hour <sup>1</sup> | Per year |
| June 30:    |                             |                                           |                       |          | June 30:    |                             |                                           |                       |          |
| 1890        | 749,301                     | 445,508                                   |                       |          | 1908        | 1,436,275                   | 1,035,438                                 |                       | \$721    |
| 1895        | 785,034                     | 477,265                                   |                       | \$568    | 1909        | 1,502,823                   | 988,324                                   |                       | 658      |
| 1900        | 1,017,063                   | 610,714                                   |                       | 567      | 1910        | 1,669,420                   | 1,145,725                                 |                       | 673      |
| 1901        | 1,071,169                   | 610,714                                   |                       | 570      | 1911        | 1,669,809                   | 1,208,466                                 |                       | 724      |
| 1902        | 1,189,516                   | 676,029                                   |                       | 568      | 1912        | 1,710,380                   | 1,252,545                                 |                       | 730      |
| 1903        | 1,312,537                   | 757,321                                   |                       | 577      | 1913        | 1,815,239                   | 1,373,831                                 |                       | 757      |
| 1904        | 1,296,121                   | 817,599                                   |                       | 681      | 1914        | 1,710,296                   | 1,351,117                                 |                       | 808      |
| 1905        | 1,382,190                   | 839,945                                   |                       | 608      | 1915        | 1,654,075                   | 1,403,938                                 | \$0.266               | 849      |
| 1906        | 1,521,355                   | 900,802                                   |                       | 592      | Dec. 31:    |                             |                                           |                       |          |
| 1907        | 1,672,074                   | 1,072,386                                 |                       | 641      | 1916        | 1,700,814                   | 1,506,961                                 | .275                  | 886      |

| Year ended Dec. 31— | All operating carriers: Average number of employees | Class I carriers            |                         |                                           |                            |                       |          |
|---------------------|-----------------------------------------------------|-----------------------------|-------------------------|-------------------------------------------|----------------------------|-----------------------|----------|
|                     |                                                     | Average number of employees | Total hours (thousands) | Total yearly compensation (1,000 dollars) | Average hours per employee | Average compensation  |          |
|                     |                                                     |                             |                         |                                           |                            | Per hour <sup>1</sup> | Per year |
| 1917                | 1,785,893                                           | 1,732,876                   | 5,437,977               | 1,739,482                                 | 3,138.1                    | \$0.320               | \$1,004  |
| 1918 <sup>2</sup>   | 1,891,517                                           | 1,841,575                   | 5,701,417               | 2,613,813                                 | 3,095.9                    | .458                  | 1,419    |
| 1919 <sup>2</sup>   | 1,960,439                                           | 1,913,422                   | 5,032,493               | 2,843,128                                 | 2,630.1                    | .565                  | 1,488    |
| 1920                | 2,075,886                                           | 2,022,832                   | 5,446,741               | 3,681,801                                 | 2,692.6                    | .676                  | 1,820    |
| 1921                | 1,705,308                                           | 1,650,513                   | 4,147,319               | 2,765,215                                 | 2,499.1                    | .667                  | 1,666    |
| 1922                | 1,669,640                                           | 1,626,834                   | 4,311,097               | 2,640,817                                 | 2,650.0                    | .613                  | 1,623    |
| 1923                | 1,002,222                                           | 1,857,674                   | 4,028,061               | 3,004,072                                 | 2,653.1                    | .610                  | 1,617    |
| 1924                | 1,795,493                                           | 1,751,362                   | 4,534,879               | 2,825,775                                 | 2,589.3                    | .623                  | 1,613    |
| 1925                | 1,786,411                                           | 1,744,311                   | 4,531,361               | 2,860,000                                 | 2,597.8                    | .631                  | 1,640    |
| 1926                | 1,821,804                                           | 1,770,275                   | 4,671,736               | 2,946,114                                 | 2,625.6                    | .631                  | 1,656    |
| 1927                | 1,775,549                                           | 1,735,105                   | 4,519,281               | 2,910,183                                 | 2,604.6                    | .644                  | 1,677    |
| 1928                | 1,691,060                                           | 1,656,411                   | 4,313,574               | 2,826,590                                 | 2,604.2                    | .655                  | 1,706    |
| 1929                | 1,604,042                                           | 1,660,850                   | 4,346,822               | 2,896,560                                 | 2,617.2                    | .666                  | 1,744    |
| 1930                | 1,517,043                                           | 1,487,839                   | 3,759,772               | 2,550,789                                 | 2,527.0                    | .678                  | 1,714    |
| 1931                | 1,282,825                                           | 1,258,719                   | 3,039,110               | 2,094,994                                 | 2,414.4                    | .689                  | 1,664    |
| 1932                | 1,052,285                                           | 1,031,703                   | 2,378,206               | 1,612,816                                 | 2,305.1                    | .686                  | 1,466    |
| 1933                | 990,839                                             | 971,196                     | 2,233,045               | 1,403,841                                 | 2,299.3                    | .629                  | 1,445    |
| 1934                | 1,027,426                                           | 1,007,702                   | 2,393,899               | 1,519,352                                 | 2,375.6                    | .635                  | 1,508    |
| 1935                | 1,013,654                                           | 994,371                     | 2,397,353               | 1,643,879                                 | 2,410.9                    | .686                  | 1,663    |

<sup>1</sup> Data exclude switching and terminal companies beginning 1910. Class III roads are excluded in 1913. Exclusion of the latter has practically no effect on the comparability of the figures. Information for 1915 is incomplete, as 20 of the larger railways did not report, and is not shown.

<sup>2</sup> Calculated for all classes of employees, including those not paid on an hourly basis.

<sup>3</sup> Data cover Federal reports, reports of companies not under Federal control, and corporate reports.

Source: Interstate Commerce Commission.

## No. 429.—EMPLOYEES AND THEIR COMPENSATION: CLASS I CARRIERS

NOTE.—Data relate to years ended Dec. 31. Class I switching and terminal companies are included

| District or class            | Average number of employees |           | Total compensation (1,000 dollars) |           | Average per day or hour, straight time (dollars) |      | Average per month total compensation (dollars) |      |
|------------------------------|-----------------------------|-----------|------------------------------------|-----------|--------------------------------------------------|------|------------------------------------------------|------|
|                              | 1934                        | 1935      | 1934                               | 1935      | 1934                                             | 1935 | 1934                                           | 1935 |
|                              |                             |           |                                    |           |                                                  |      |                                                |      |
| All employees, all districts | 1,025,155                   | 1,010,661 | 1,544,220                          | 1,671,072 |                                                  |      |                                                |      |
| Daily basis                  | 87,388                      | 86,551    | 214,574                            | 229,143   | 7.63                                             | 8.19 | 205                                            | 221  |
| Hourly basis                 | 937,769                     | 924,110   | 1,329,646                          | 1,441,929 | .505                                             | .643 | 118                                            | 130  |
| Eastern district             | 467,581                     | 447,138   | 702,830                            | 747,288   |                                                  |      |                                                |      |
| Daily basis                  | 42,124                      | 41,241    | 97,298                             | 103,387   | 7.22                                             | 7.79 | 192                                            | 209  |
| Hourly basis                 | 425,457                     | 405,896   | 605,532                            | 643,881   | .625                                             | .678 | 119                                            | 132  |
| Southern district            | 188,762                     | 188,143   | 272,764                            | 290,862   |                                                  |      |                                                |      |
| Daily basis                  | 14,613                      | 14,505    | 38,332                             | 40,886    | 8.09                                             | 8.69 | 219                                            | 235  |
| Hourly basis                 | 174,139                     | 171,638   | 234,432                            | 249,976   | .550                                             | .595 | 112                                            | 121  |
| Western district             | 368,822                     | 377,382   | 568,626                            | 632,942   |                                                  |      |                                                |      |
| Daily basis                  | 30,649                      | 30,805    | 78,944                             | 84,870    | 7.95                                             | 8.49 | 215                                            | 230  |
| Hourly basis                 | 338,173                     | 346,577   | 489,682                            | 548,072   | .583                                             | .629 | 121                                            | 132  |

## No. 429.—EMPLOYEES AND THEIR COMPENSATION: CLASS I CARRIERS—CON.

| District or class                                                | Average number of employees |         | Total compensation (1,000 dollars) |         | Average per day or hour, straight time (dollars) |       | Average per month, total compensation (dollars) |      |
|------------------------------------------------------------------|-----------------------------|---------|------------------------------------|---------|--------------------------------------------------|-------|-------------------------------------------------|------|
|                                                                  | 1934                        | 1935    | 1934                               | 1935    | 1934                                             | 1935  | 1934                                            | 1935 |
| Executives, officials, and staff assistants.....                 | 12,262                      | 12,147  | 62,521                             | 65,492  |                                                  |       |                                                 |      |
| Daily basis.....                                                 | 12,262                      | 12,147  | 62,521                             | 65,492  | 16.18                                            | 17.07 | 425                                             | 440  |
| Professional, clerical, and general.....                         | 168,294                     | 166,176 | 277,028                            | 297,908 |                                                  |       |                                                 |      |
| Daily basis.....                                                 | 37,340                      | 37,170  | 82,571                             | 80,338  | 7.14                                             | 7.72  | 184                                             | 200  |
| Hourly basis.....                                                | 130,894                     | 128,907 | 194,457                            | 208,570 | .504                                             | .043  | 124                                             | 135  |
| Maintenance of way and structures.....                           | 211,128                     | 208,210 | 206,110                            | 221,788 |                                                  |       |                                                 |      |
| Daily basis.....                                                 | 3,773                       | 3,714   | 10,046                             | 10,698  | 8.35                                             | 9.03  | 222                                             | 240  |
| Hourly basis.....                                                | 207,353                     | 204,496 | 196,064                            | 211,070 | .427                                             | .458  | 79                                              | 86   |
| Maintenance of equipment and stores.....                         | 280,591                     | 275,059 | 378,003                            | 405,580 |                                                  |       |                                                 |      |
| Daily basis.....                                                 | 9,668                       | 9,522   | 26,017                             | 27,845  | 8.17                                             | 8.82  | 224                                             | 244  |
| Hourly basis.....                                                | 270,923                     | 265,537 | 352,586                            | 377,735 | .589                                             | .637  | 108                                             | 119  |
| Transportation (other than train service, engine, and yard)..... | 127,017                     | 125,020 | 170,540                            | 184,228 |                                                  |       |                                                 |      |
| Daily basis.....                                                 | 20,523                      | 20,206  | 22,341                             | 23,821  | 3.20                                             | 3.47  | 91                                              | 98   |
| Hourly basis.....                                                | 106,494                     | 104,814 | 148,199                            | 160,406 | .647                                             | .589  | 116                                             | 128  |
| Transportation (yardmasters, switch tenders, and hostlers).....  | 12,981                      | 12,780  | 28,509                             | 28,845  |                                                  |       |                                                 |      |
| Daily basis.....                                                 | 3,830                       | 3,783   | 11,077                             | 11,049  | 8.09                                             | 8.76  | 241                                             | 263  |
| Hourly basis.....                                                | 9,131                       | 8,997   | 15,432                             | 16,096  | .628                                             | .670  | 141                                             | 155  |
| Transportation (train and engine service).....                   | 212,884                     | 211,269 | 424,908                            | 467,503 |                                                  |       |                                                 |      |
| Hourly basis.....                                                | 212,884                     | 211,269 | 424,908                            | 467,503 | .774                                             | .838  | 166                                             | 184  |

## No. 430.—RECEIVERSHIPS OF RAILWAYS

| Year (calendar, except as noted) | Under receivership and of year <sup>1</sup> |                  | Placed under receivership |        |                                  | Year (calendar, except as noted) | Under receivership and of year <sup>1</sup> |                  | Placed under receivership |        |                                  |
|----------------------------------|---------------------------------------------|------------------|---------------------------|--------|----------------------------------|----------------------------------|---------------------------------------------|------------------|---------------------------|--------|----------------------------------|
|                                  | Number                                      | Mileage operated | Number                    | Miles  | Stocks and bonds (1,000 dollars) |                                  | Number                                      | Mileage operated | Number                    | Miles  | Stocks and bonds (1,000 dollars) |
| 1881.....                        |                                             |                  | 5                         | 110    | 3,742                            | 1911.....                        | 39                                          | 4,593            | 5                         | 2,006  | 210,807                          |
| 1882.....                        |                                             |                  | 12                        | 912    | 89,074                           | 1912.....                        | 44                                          | 0,786            | 13                        | 3,784  | 182,112                          |
| 1883.....                        |                                             |                  | 11                        | 1,990  | 108,470                          | 1913.....                        | 49                                          | 16,286           | 17                        | 0,020  | 477,771                          |
| 1884.....                        |                                             |                  | 37                        | 11,038 | 714,735                          | 1914.....                        | 68                                          | 18,608           | 22                        | 4,222  | 199,571                          |
| 1885.....                        |                                             |                  | 44                        | 8,836  | 385,460                          | 1915.....                        | 85                                          | 30,223           | 12                        | 20,143 | 1,070,809                        |
| 1886.....                        |                                             |                  | 13                        | 1,799  | 70,346                           | 1916.....                        | 80                                          | 34,804           | 9                         | 4,439  | 208,160                          |
| 1887.....                        |                                             |                  | 9                         | 1,046  | 90,318                           | 1917.....                        | 82                                          | 17,376           | 19                        | 2,486  | 61,170                           |
| 1888.....                        |                                             |                  | 22                        | 3,270  | 186,814                          | 1918.....                        | 74                                          | 19,208           | 8                         | 3,519  | 242,091                          |
| 1889.....                        |                                             |                  | 22                        | 3,803  | 99,664                           | 1919.....                        | 65                                          | 16,590           | 7                         | 244    | 11,887                           |
| 1890.....                        |                                             |                  | 26                        | 2,963  | 105,007                          | 1920.....                        | 61                                          | 16,290           | 10                        | 541    | 21,920                           |
| 1891.....                        |                                             |                  | 26                        | 2,169  | 84,479                           | 1921.....                        | 68                                          | 13,512           | 14                        | 1,744  | 63,872                           |
| 1892.....                        |                                             |                  | 36                        | 10,508 | 857,692                          | 1922.....                        | 64                                          | 16,259           | 12                        | 4,350  | 328,116                          |
| 1893.....                        |                                             |                  | 74                        | 28,340 | 1,781,046                        | 1923.....                        | 64                                          | 12,623           | 10                        | 2,219  | 87,614                           |
| 1894.....                        | 192                                         | 40,819           | 38                        | 7,025  | 395,791                          | 1924.....                        | 61                                          | 8,105            | 11                        | 920    | 30,223                           |
| 1895.....                        | 169                                         | 37,856           | 34                        | 4,089  | 369,075                          | 1925.....                        | 53                                          | 18,687           | 6                         | 11,368 | 690,422                          |
| 1896.....                        | 151                                         | 30,475           | 31                        | 5,441  | 275,597                          | 1926.....                        | 45                                          | 17,632           | 0                         | 88     | 2,821                            |
| 1897.....                        | 128                                         | 18,892           | 18                        | 1,537  | 92,909                           | 1927.....                        | 40                                          | 16,752           | 6                         | 924    | 45,237                           |
| 1898.....                        | 94                                          | 12,745           | 18                        | 2,009  | 138,701                          | 1928.....                        | 33                                          | 5,256            | 1                         | 19     | 529                              |
| 1899.....                        | 71                                          | 9,853            | 10                        | 1,019  | 52,285                           | 1929.....                        | 29                                          | 5,708            | 3                         | 634    | 30,961                           |
| 1900.....                        | 52                                          | 4,178            | 16                        | 1,165  | 78,234                           | 1930.....                        | 80                                          | 9,483            | 4                         | 4,762  | 277,324                          |
| 1901.....                        | 45                                          | 2,497            | 4                         | 73     | 1,327                            | 1931.....                        | 45                                          | 12,970           | 19                        | 5,195  | 432,152                          |
| 1902.....                        | 27                                          | 1,475            | 5                         | 278    | 5,835                            | 1932.....                        | 55                                          | 22,645           | 13                        | 11,817 | 626,677                          |
| 1903.....                        | 27                                          | 1,185            | 9                         | 229    | 16,823                           | 1933 <sup>1</sup> .....          | 78                                          | 41,698           | 32                        | 25,124 | 1,760,307                        |
| 1904.....                        | 28                                          | 1,323            | 8                         | 744    | 36,069                           | 1934 <sup>1</sup> .....          | 80                                          | 42,168           | 4                         | 1,016  | 51,074                           |
| 1905.....                        | 26                                          | 796              | 10                        | 3,593  | 176,321                          | 1935 <sup>1</sup> .....          | 87                                          | 68,346           | 13                        | 27,124 | 2,168,871                        |
| 1906.....                        | 34                                          | 3,971            | 6                         | 204    | 55,042                           |                                  |                                             |                  |                           |        |                                  |
| 1907.....                        | 29                                          | 3,928            | 7                         | 317    | 13,585                           |                                  |                                             |                  |                           |        |                                  |
| 1908.....                        | 52                                          | 9,529            | 24                        | 8,009  | 596,359                          |                                  |                                             |                  |                           |        |                                  |
| 1909.....                        | 44                                          | 10,530           | 5                         | 859    | 78,095                           |                                  |                                             |                  |                           |        |                                  |
| 1910.....                        | 39                                          | 5,257            | 7                         | 735    | 51,428                           |                                  |                                             |                  |                           |        |                                  |

<sup>1</sup> Data relate to June 30 prior to 1916, Dec. 31 thereafter.<sup>2</sup> Includes roads under trusteeship.

Sources: Table 429, Interstate Commerce Commission; table 430, first two columns and all data beginning with 1933, Interstate Commerce Commission; other data, The Railway Age, Chicago.

## No. 431.—CAPITALIZATION OF RAILROADS: ALL REPORTING COMPANIES

NOTE.—All amounts except "per mile of road" in millions of dollars. Switching and terminal companies excluded beginning with 1910; their total capitalization in 1934 was \$810,560,086. Figures include both operating and nonoperating railways. The gross figures include considerable amounts of securities held by the companies issuing them as well as larger amounts held by other railway companies

| Year          | Total capitalization |              |                 |             | Held by railroads |             | Net capitalization |                            |       |             |                                |
|---------------|----------------------|--------------|-----------------|-------------|-------------------|-------------|--------------------|----------------------------|-------|-------------|--------------------------------|
|               | Total                | Common stock | Preferred stock | Funded debt | Stock             | Funded debt | Total              | Per mile of road (dollars) | Stock | Funded debt | Funded debt, per cent of total |
| June 30, 1890 | 8,984                | 3,808        | 600             | 4,575       | 964               | 443         | 7,577              | -----                      | 3,445 | 4,132       | 54.5                           |
| 1900          | 11,401               | 4,522        | 1,323           | 5,645       | 1,470             | 473         | 9,548              | -----                      | 4,375 | 5,172       | 54.2                           |
| 1910          | 18,417               | 6,710        | 1,403           | 10,303      | 2,555             | 1,486       | 14,376             | 62,819                     | 5,559 | 8,817       | 61.3                           |
| Dec. 31, 1916 | 21,049               | 7,594        | 1,455           | 12,000      | 2,633             | 2,084       | 16,333             | 66,591                     | 6,416 | 9,917       | 60.7                           |
| 1919          | 20,950               | 7,193        | 1,898           | 11,859      | 2,314             | 2,086       | 16,550             | 67,170                     | 6,777 | 9,773       | 59.1                           |
| 1920          | 21,891               | 7,216        | 1,898           | 12,775      | 2,407             | 2,490       | 16,994             | 68,787                     | 6,707 | 10,287      | 60.5                           |
| 1921          | 22,202               | 7,275        | 1,800           | 13,216      | 2,402             | 2,807       | 17,033             | 69,816                     | 6,673 | 10,409      | 60.9                           |
| 1922          | 22,200               | 7,307        | 1,834           | 13,149      | 2,390             | 2,821       | 17,280             | 70,899                     | 6,751 | 10,528      | 60.9                           |
| 1923          | 22,839               | 7,398        | 1,852           | 13,589      | 2,402             | 2,626       | 17,810             | 73,417                     | 6,847 | 10,963      | 61.6                           |
| 1924          | 23,636               | 7,689        | 1,935           | 14,162      | 2,068             | 2,796       | 18,202             | 75,322                     | 6,806 | 11,396      | 62.6                           |
| 1925          | 23,644               | 7,602        | 1,937           | 14,105      | 2,664             | 2,800       | 18,190             | 74,460                     | 6,885 | 11,305      | 62.1                           |
| 1926          | 23,677               | 7,560        | 1,925           | 14,192      | 2,664             | 2,789       | 18,234             | 74,398                     | 6,831 | 11,403      | 62.5                           |
| 1927          | 23,615               | 7,683        | 1,980           | 13,952      | 2,907             | 2,571       | 18,137             | 73,984                     | 6,750 | 11,381      | 62.7                           |
| 1928          | 23,747               | 7,809        | 2,034           | 13,904      | 2,759             | 2,477       | 18,511             | 75,816                     | 7,084 | 11,427      | 61.7                           |
| 1929          | 23,983               | 7,853        | 2,065           | 14,065      | 2,705             | 2,598       | 18,680             | 75,596                     | 7,213 | 11,467      | 61.4                           |
| 1930          | 24,331               | 8,009        | 2,074           | 14,248      | 2,368             | 2,897       | 19,066             | 77,343                     | 7,186 | 11,880      | 62.3                           |
| 1931          | 24,343               | 8,030        | 2,049           | 14,264      | 2,968             | 2,434       | 18,941             | 76,822                     | 7,111 | 11,830      | 62.5                           |
| 1932          | 24,837               | 8,067        | 2,047           | 14,723      | 3,058             | 2,887       | 18,894             | 76,957                     | 7,068 | 11,836      | 62.6                           |
| 1933          | 24,723               | 8,067        | 2,042           | 14,624      | 2,924             | 2,968       | 18,831             | 77,214                     | 7,175 | 11,666      | 61.9                           |
| 1934          | 24,570               | 7,994        | 2,044           | 14,532      | 2,999             | 2,918       | 18,653             | 77,090                     | 7,039 | 11,614      | 62.3                           |

## No. 432.—RAILWAY STOCK OUTSTANDING, DIVIDENDS, AND INTEREST

NOTE.—Data relate to years ending June 30 prior to 1916 and to calendar years thereafter. Nonoperating as well as operating roads are included. Switching and terminal roads are excluded beginning with 1908. Dividend figures throughout cover all classes of roads, but interest figure for 1913 excludes the unimportant class III roads. The amount of stock shown in the first column is exclusive of stock held by the issuing company, but includes that held by other railway companies

| Year or yearly average | Stock                               |                                 |                           | Dividends                      |                                    |                                   | Interest accrued on funded debt (1,000 dolls.) |
|------------------------|-------------------------------------|---------------------------------|---------------------------|--------------------------------|------------------------------------|-----------------------------------|------------------------------------------------|
|                        | Actually outstanding (1,000 dolls.) | Paying dividends (1,000 dolls.) | Per cent paying dividends | Amount declared (1,000 dolls.) | Per cent on stock paying dividends | Per cent on all stock outstanding |                                                |
| 1891-1895              | -----                               | 1,737,048                       | -----                     | 94,093                         | 5.42                               | -----                             | 243,013                                        |
| 1896-1900              | -----                               | 1,977,832                       | -----                     | 104,295                        | 5.27                               | -----                             | 249,548                                        |
| 1901-1905              | -----                               | 3,505,894                       | -----                     | 199,752                        | 5.70                               | -----                             | 285,765                                        |
| 1906-1910              | -----                               | 4,930,368                       | -----                     | 339,686                        | 6.89                               | -----                             | 363,470                                        |
| 1911                   | 8,363,276                           | 5,730,250                       | 67.65                     | 460,195                        | 8.03                               | 5.42                              | 410,337                                        |
| 1912                   | 8,552,447                           | 5,581,289                       | 64.73                     | 400,315                        | 7.17                               | 4.64                              | 429,027                                        |
| 1913                   | 8,599,003                           | 5,780,982                       | 66.14                     | 369,078                        | 6.37                               | 4.22                              | 434,753                                        |
| 1914                   | 8,654,215                           | 5,667,073                       | 64.39                     | 451,653                        | 7.97                               | 5.13                              | 442,595                                        |
| 1915                   | 8,635,319                           | 5,219,847                       | 60.45                     | 328,478                        | 6.20                               | 3.80                              | 464,186                                        |
| 1916                   | 8,755,404                           | 5,430,123                       | 62.02                     | 366,561                        | 6.75                               | 4.19                              | 481,426                                        |
| 1917                   | 9,008,797                           | 5,610,774                       | 62.32                     | 381,852                        | 6.81                               | 4.24                              | 474,123                                        |
| 1918                   | 8,846,717                           | 5,138,851                       | 58.09                     | 339,186                        | 6.10                               | 3.83                              | 468,286                                        |
| 1919                   | 8,883,125                           | 5,293,321                       | 59.64                     | 335,242                        | 6.33                               | 3.77                              | 476,075                                        |
| 1920                   | 8,843,100                           | 5,075,040                       | 57.30                     | 331,103                        | 6.52                               | 3.74                              | 500,364                                        |
| 1921                   | 8,889,921                           | 5,059,844                       | 56.92                     | 456,482                        | 9.02                               | 5.13                              | 529,398                                        |
| 1922                   | 8,961,637                           | 5,321,347                       | 59.38                     | 338,806                        | 6.37                               | 3.78                              | 538,594                                        |
| 1923                   | 9,092,933                           | 5,646,076                       | 62.09                     | 411,882                        | 7.30                               | 4.53                              | 551,705                                        |
| 1924                   | 9,300,054                           | 6,042,268                       | 64.97                     | 385,130                        | 6.87                               | 4.14                              | 588,301                                        |
| 1925                   | 9,413,101                           | 6,278,532                       | 66.70                     | 409,645                        | 6.52                               | 4.26                              | 593,875                                        |
| 1926                   | 9,366,272                           | 6,473,280                       | 69.12                     | 473,683                        | 7.32                               | 5.06                              | 681,709                                        |
| 1927                   | 9,539,491                           | 6,701,427                       | 70.26                     | 567,281                        | 8.47                               | 5.95                              | 683,452                                        |
| 1928                   | 9,722,079                           | 7,159,989                       | 73.65                     | 510,018                        | 7.12                               | 5.25                              | 578,831                                        |
| 1929                   | 9,847,311                           | 7,606,265                       | 76.23                     | 550,902                        | 7.47                               | 5.70                              | 580,770                                        |
| 1930                   | 10,011,538                          | 7,702,021                       | 76.93                     | 603,150                        | 7.53                               | 6.02                              | 588,742                                        |
| 1931                   | 10,008,413                          | 7,325,664                       | 73.20                     | 401,463                        | 5.48                               | 4.01                              | 592,866                                        |
| 1932                   | 10,042,782                          | 3,298,822                       | 32.85                     | 150,774                        | 4.67                               | 1.50                              | 591,340                                        |
| 1933                   | 10,027,092                          | 3,119,282                       | 31.11                     | 168,790                        | 5.09                               | 1.58                              | 590,230                                        |
| 1934                   | 9,958,650                           | 3,411,520                       | 34.26                     | 211,767                        | 6.21                               | 2.13                              | 569,760                                        |

Source of tables 431 and 432: Interstate Commerce Commission.



## No. 433.—RAILWAY SECURITIES ACTUALLY OUTSTANDING

NOTE.—All figures in thousands of dollars. Capital actually outstanding represents securities in the hands of the public or of railway companies other than those issuing same; securities held by or for the issuing company are excluded. Switching and terminal companies are not included

| Security and year ended<br>Dec. 31— | All railroads      |                     |                      |                     | Class I    | Class II | Class III | Non-<br>operating<br>sub-<br>sidiaries |
|-------------------------------------|--------------------|---------------------|----------------------|---------------------|------------|----------|-----------|----------------------------------------|
|                                     | All dis-<br>tricts | Eastern<br>district | Southern<br>district | Western<br>district |            |          |           |                                        |
| <b>Total:</b>                       |                    |                     |                      |                     |            |          |           |                                        |
| 1920.....                           | 20,008,046         | 7,881,150           | 3,004,582            | 9,212,314           | 16,855,230 | 537,113  | 107,209   | 2,598,434                              |
| 1925.....                           | 21,734,096         | 8,527,168           | 3,444,426            | 9,762,502           | 18,098,164 | 437,022  | 86,157    | 3,112,753                              |
| 1930.....                           | 22,782,889         | 9,128,919           | 3,658,575            | 9,995,395           | 19,006,276 | 349,079  | 64,814    | 3,382,720                              |
| 1933.....                           | 22,656,920         | 9,178,360           | 3,534,098            | 9,944,482           | 18,846,113 | 345,564  | 56,520    | 3,408,733                              |
| 1934.....                           | 22,412,057         | 9,307,308           | 3,499,965            | 9,604,694           | 18,787,662 | 327,088  | 56,832    | 3,240,476                              |
| <b>Stock:</b>                       |                    |                     |                      |                     |            |          |           |                                        |
| 1920.....                           | 8,843,100          | 3,474,212           | 1,106,809            | 4,262,079           | 7,200,735  | 286,698  | 67,247    | 1,279,430                              |
| 1925.....                           | 9,413,101          | 3,771,338           | 1,324,472            | 4,317,291           | 7,633,456  | 253,208  | 56,452    | 1,469,985                              |
| 1930.....                           | 10,011,632         | 4,290,108           | 1,461,628            | 4,259,802           | 8,267,120  | 207,556  | 45,068    | 1,491,786                              |
| 1933.....                           | 10,027,092         | 4,330,777           | 1,450,263            | 4,240,022           | 8,232,058  | 218,703  | 39,819    | 1,635,012                              |
| 1934.....                           | 9,968,550          | 4,331,703           | 1,430,317            | 4,100,530           | 8,225,838  | 212,732  | 40,105    | 1,470,877                              |
| <b>Funded debt:</b>                 |                    |                     |                      |                     |            |          |           |                                        |
| 1920.....                           | 11,254,946         | 4,406,938           | 1,837,773            | 5,010,235           | 9,645,495  | 250,425  | 40,022    | 1,319,004                              |
| 1925.....                           | 12,320,905         | 4,755,830           | 2,119,954            | 5,445,211           | 10,464,708 | 183,814  | 20,705    | 1,642,768                              |
| 1930.....                           | 12,771,351         | 4,838,811           | 2,196,947            | 5,736,593           | 10,739,147 | 141,523  | 19,746    | 1,870,935                              |
| 1933.....                           | 12,629,828         | 4,847,683           | 2,077,805            | 5,704,440           | 10,613,455 | 128,851  | 16,701    | 1,872,821                              |
| 1934.....                           | 12,453,607         | 4,975,095           | 2,063,948            | 5,414,164           | 10,561,826 | 114,366  | 16,727    | 1,760,698                              |
| <b>1934</b>                         |                    |                     |                      |                     |            |          |           |                                        |
| Common stock.....                   | 7,931,365          | 3,659,639           | 1,230,098            | 3,041,658           | 6,360,026  | 198,651  | 39,059    | 1,333,659                              |
| Preferred stock.....                | 2,027,155          | 672,064             | 206,219              | 1,148,872           | 1,865,810  | 14,081   | 1,046     | 145,218                                |
| Mortgage bonds.....                 | 9,742,779          | 3,773,099           | 1,671,209            | 4,293,411           | 8,008,240  | 107,660  | 14,800    | 1,612,079                              |
| Collateral trust bonds.....         | 923,936            | 527,160             | 156,665              | 240,111             | 868,593    | 1,422    | 999       | 52,925                                 |
| Income bonds.....                   | 319,634            | 12,786              | 0,380                | 297,408             | 297,040    | 1,015    | 632       | 20,938                                 |
| Miscellaneous obligations.....      | 846,832            | 382,866             | 74,619               | 388,847             | 787,649    | 3,329    | 299       | 54,655                                 |
| Equipment obligations.....          | 921,326            | 275,284             | 151,715              | 194,327             | 600,295    | 930      | -----     | 20,101                                 |

No. 434.—PROPERTY INVESTMENT, INCOME, INTEREST, AND DIVIDENDS:  
Reported by Operating Roads

NOTE.—All figures, except as indicated, in thousands of dollars. Investment is as reported by the carrier and should not be confused with the tentative valuation fixed by the Interstate Commerce Commission. It relates only to railway property, but includes leased lines, which are not included, however, under the other columns. All data exclude switching and terminal companies

| Year ended—        | Investment <sup>1</sup> | Invest-<br>ment<br>per<br>mile<br>of<br>road | Net rail-<br>way op-<br>erating<br>income | Return<br>on in-<br>vest-<br>ment | Other in-<br>come | Interest,<br>rents, and<br>other de-<br>ductions | Dividends<br>declared |
|--------------------|-------------------------|----------------------------------------------|-------------------------------------------|-----------------------------------|-------------------|--------------------------------------------------|-----------------------|
|                    |                         | <i>Dollars</i>                               |                                           | <i>Per cent</i>                   |                   |                                                  |                       |
| June 30, 1908..... | 13,213,767              | 61,779                                       | 634,794                                   | 4.80                              | 246,420           | 485,311                                          | 329,062               |
| 1910.....          | 14,557,816              | 64,382                                       | 805,097                                   | 5.53                              | 222,915           | 511,417                                          | 351,202               |
| Dec. 31, 1916..... | 17,847,777              | 74,466                                       | 1,058,506                                 | 5.93                              | 213,324           | 623,180                                          | 311,876               |
| 1917.....          | 18,574,298              | 77,193                                       | 950,567                                   | 5.12                              | 233,253           | 574,260                                          | 325,601               |
| 1918.....          | 18,084,756              | 78,820                                       | 946,223                                   | 3.40                              | (*)               | 607,598                                          | 279,929               |
| 1920.....          | 19,300,121              | 79,974                                       | 454,132                                   | 2.35                              | (*)               | 630,569                                          | 281,639               |
| 1921.....          | 19,849,320              | 81,854                                       | 12,101                                    | .08                               | (*)               | 640,516                                          | 275,348               |
| 1922.....          | 20,329,254              | 84,530                                       | 601,139                                   | 2.99                              | 375,001           | 662,375                                          | 403,961               |
| 1923.....          | 20,580,168              | 86,004                                       | 709,411                                   | 3.74                              | 265,038           | 655,647                                          | 375,122               |
| 1924.....          | 21,372,858              | 89,619                                       | 974,918                                   | 4.56                              | 260,055           | 607,616                                          | 376,727               |
| 1925.....          | 22,182,267              | 93,233                                       | 984,463                                   | 4.44                              | 269,188           | 684,558                                          | 325,983               |
| 1926.....          | 23,217,209              | 94,017                                       | 1,136,728                                 | 4.89                              | 272,102           | 706,272                                          | 349,089               |
| 1927.....          | 23,880,740              | 97,433                                       | 1,229,020                                 | 5.15                              | 301,641           | 718,984                                          | 411,208               |
| 1928.....          | 24,453,871              | 99,546                                       | 1,077,843                                 | 4.41                              | 314,596           | 722,485                                          | 505,146               |
| 1929.....          | 24,875,984              | 100,674                                      | 1,152,467                                 | 4.75                              | 323,310           | 720,779                                          | 436,217               |
| 1930.....          | 25,465,036              | 103,197                                      | 1,202,636                                 | 4.96                              | 362,363           | 728,428                                          | 495,245               |
| 1931.....          | 26,051,000              | 105,681                                      | 874,164                                   | 3.36                              | 361,196           | 716,750                                          | 511,269               |
| 1932.....          | 26,094,899              | 105,953                                      | 528,204                                   | 2.02                              | 307,785           | 708,622                                          | 335,889               |
| 1933.....          | 26,086,991              | 106,337                                      | 325,332                                   | 1.25                              | 226,092           | 701,500                                          | 97,245                |
| 1934.....          | 25,901,982              | 106,437                                      | 477,326                                   | 1.84                              | 213,592           | 703,745                                          | 98,443                |
| 1934.....          | 25,681,608              | 106,279                                      | 465,896                                   | 1.81                              | 203,941           | 694,360                                          | 136,018               |

<sup>1</sup> Prior to 1925 figures include investment of leased lines and exclude investment of proprietary companies not rendering annual reports. Beginning with 1925, the investment in road and equipment of proprietary companies is included as follows: 1925, \$480,216,000; 1926, \$831,574,000; 1927, \$919,095,000; 1928, \$1,013,752,000; 1929, \$1,051,469,000; 1930, \$1,096,631,000; 1931, \$1,114,637,000; 1932, \$1,121,945,000; 1933, \$1,096,264,000; 1934, \$890,631,000. No allowance is made for cash and material and supplies, and no deduction is made for depreciation.

<sup>2</sup> Investment originally published is increased by \$170,000,000, estimated reserve for depreciation.

<sup>3</sup> Does not include returns for class II and class III companies.

<sup>4</sup> Figures not comparable on account of Federal control accounting requirements.

Source of tables 433 and 434: Interstate Commerce Commission.

## No. 435.—FREIGHT TRAFFIC: TRAIN AND CAR MOVEMENT

NOTE.—Figures prior to 1916 relate to years ended June 30, thereafter to calendar years. Switching and terminal roads excluded beginning with 1908. The tonnage "per loaded car" for "All roads" is based on revenue tonnage only; and for "Class I roads" on revenue and nonrevenue tonnage. Tons are of 2,000 pounds

| Class and year or yearly average | Train-miles (thousands) | Car-miles (thousands)            |            | Tons of revenue freight |                | Freight revenue          |                             | Average miles per car per day |
|----------------------------------|-------------------------|----------------------------------|------------|-------------------------|----------------|--------------------------|-----------------------------|-------------------------------|
|                                  |                         | Loaded (revenue and non-revenue) | Empty      | Per train               | Per loaded car | Per train-mile (dollars) | Per loaded car-mile (cents) |                               |
| <b>All roads:</b>                |                         |                                  |            |                         |                |                          |                             |                               |
| 1891-1895.....                   | 467,299                 |                                  |            | 184                     |                | 1.62                     |                             |                               |
| 1896-1900.....                   | 489,723                 |                                  |            | 229                     |                | 1.76                     |                             |                               |
| 1901-1905.....                   | 519,896                 | 9,031,628                        | 4,320,390  | 304                     | 17.4           | 2.35                     |                             |                               |
| 1906-1910.....                   | 603,105                 | 11,754,421                       | 5,234,008  | 359                     | 18.5           | 2.72                     |                             |                               |
| 1911-1915.....                   | 608,512                 | 13,380,203                       | 6,169,216  | 432                     | 20.7           | 3.19                     |                             |                               |
| 1916-1920.....                   | 617,430                 | 15,444,150                       | 6,904,625  | 604                     | 25.3           | 15.30                    |                             |                               |
| 1921-1925.....                   | 577,844                 | 16,243,111                       | 8,096,582  | 621                     | 24.6           | 17.28                    |                             |                               |
| 1926-1930.....                   | 586,389                 | 17,357,165                       | 10,330,175 | 700                     | 24.5           | 17.67                    |                             |                               |
| 1911.....                        | 626,496                 | 12,859,386                       | 5,832,515  | 383                     | 19.7           | 2.90                     |                             |                               |
| 1912.....                        | 612,345                 | 13,088,332                       | 5,767,144  | 407                     | 20.2           | 3.02                     |                             |                               |
| 1913.....                        | 643,841                 | 14,271,944                       | 6,120,861  | 445                     | 21.1           | 3.24                     |                             |                               |
| 1914.....                        | 607,872                 | 13,686,818                       | 6,531,274  | 447                     | 21.1           | 3.31                     |                             |                               |
| 1915.....                        | 562,004                 | 12,939,535                       | 6,594,287  | 476                     | 21.1           | 3.47                     | 15.5                        |                               |
| 1916.....                        | 632,304                 | 15,855,103                       | 6,779,225  | 552                     | 22.8           | 3.93                     | 16.3                        |                               |
| 1917.....                        | 646,402                 | 16,911,203                       | 6,780,872  | 588                     | 24.8           | 4.27                     | 17.7                        |                               |
| 1918.....                        | 628,436                 | 14,995,557                       | 7,167,144  | 621                     | 27.0           | 5.33                     | 22.0                        |                               |
| 1919.....                        | 560,499                 | 14,273,422                       | 6,531,570  | 623                     | 25.4           | 6.14                     | 24.8                        | 23.0                          |
| 1920.....                        | 619,507                 | 15,336,778                       | 7,264,316  | 639                     | 26.7           | 6.81                     | 28.1                        | 25.1                          |
| 1921.....                        | 519,817                 | 12,449,086                       | 7,309,192  | 567                     | 24.6           | 7.38                     | 31.4                        | 22.4                          |
| 1922.....                        | 544,486                 | 13,926,355                       | 6,798,121  | 599                     | 24.3           | 7.19                     | 28.6                        | 23.5                          |
| 1923.....                        | 631,167                 | 16,374,750                       | 8,536,002  | 632                     | 25.2           | 7.19                     | 28.1                        | 27.8                          |
| 1924.....                        | 590,379                 | 15,859,168                       | 8,519,037  | 684                     | 24.5           | 7.22                     | 27.3                        | 26.8                          |
| 1925.....                        | 602,873                 | 16,836,710                       | 9,319,706  | 663                     | 24.6           | 7.41                     | 26.9                        | 28.5                          |
| 1926.....                        | 622,295                 | 17,759,004                       | 10,154,842 | 689                     | 25.0           | 7.58                     | 27.0                        | 30.4                          |
| 1927.....                        | 598,435                 | 17,390,777                       | 10,298,061 | 690                     | 24.6           | 7.59                     | 26.6                        | 30.3                          |
| 1928.....                        | 589,616                 | 17,757,670                       | 10,487,254 | 706                     | 24.3           | 7.77                     | 26.3                        | 31.2                          |
| 1929.....                        | 568,343                 | 18,169,092                       | 10,805,302 | 718                     | 24.5           | 7.86                     | 26.4                        | 32.3                          |
| 1930.....                        | 523,255                 | 15,709,284                       | 9,905,415  | 699                     | 24.3           | 7.56                     | 25.3                        | 28.7                          |
| 1931.....                        | 446,261                 | 13,087,643                       | 8,472,144  | 653                     | 23.4           | 6.98                     | 24.6                        | 24.5                          |
| 1932.....                        | 368,658                 | 10,231,344                       | 6,642,756  | 585                     | 22.6           | 6.26                     | 23.6                        | 19.8                          |
| 1933.....                        | 368,666                 | 10,540,306                       | 6,778,651  | 619                     | 23.3           | 6.32                     | 23.2                        | 21.3                          |
| 1934.....                        | 397,150                 | 11,410,710                       | 7,347,667  | 624                     | 23.2           | 6.23                     | 22.7                        | 24.2                          |
| <b>Class I roads, total:</b>     |                         |                                  |            |                         |                |                          |                             |                               |
| 1916-1920.....                   | 604,422                 | 15,156,421                       | 6,836,894  | 613                     | 25.4           | 5.30                     | 21.9                        |                               |
| 1921-1925.....                   | 567,286                 | 14,988,046                       | 8,032,691  | 633                     | 27.1           | 7.28                     | 28.3                        | 25.8                          |
| 1926-1930.....                   | 576,604                 | 17,262,905                       | 10,267,375 | 713                     | 26.9           | 7.67                     | 26.4                        | 30.6                          |
| 1931.....                        | 439,381                 | 13,031,069                       | 8,433,430  | 664                     | 25.6           | 6.98                     | 24.6                        | 24.5                          |
| 1932.....                        | 362,798                 | 10,188,952                       | 6,614,824  | 598                     | 24.8           | 6.26                     | 23.6                        | 19.8                          |
| 1933.....                        | 362,775                 | 10,494,078                       | 6,743,372  | 633                     | 25.5           | 6.32                     | 23.2                        | 21.3                          |
| 1934.....                        | 391,005                 | 11,356,267                       | 7,313,330  | 637                     | 25.5           | 6.25                     | 22.7                        | 24.2                          |
| 1935.....                        | 397,903                 | 11,778,169                       | 7,146,348  | 659                     | 25.8           | 6.51                     | 23.2                        | 25.8                          |
| <b>Eastern district:</b>         |                         |                                  |            |                         |                |                          |                             |                               |
| 1926-1930.....                   | 219,468                 | 6,956,068                        | 4,125,220  | 318                     | 28.1           | 8.92                     | 28.6                        | 26.4                          |
| 1931.....                        | 162,734                 | 5,215,180                        | 3,356,944  | 771                     | 26.4           | 8.20                     | 26.1                        | 21.2                          |
| 1932.....                        | 134,091                 | 4,090,182                        | 2,668,362  | 711                     | 25.8           | 7.54                     | 25.3                        | 17.1                          |
| 1933.....                        | 134,630                 | 4,222,329                        | 2,716,352  | 748                     | 26.5           | 7.60                     | 24.9                        | 18.1                          |
| 1934.....                        | 141,777                 | 4,442,605                        | 2,855,647  | 765                     | 27.0           | 7.63                     | 25.0                        | 20.1                          |
| 1935.....                        | 142,319                 | 4,578,689                        | 2,738,329  | 792                     | 27.2           | 8.10                     | 25.8                        | 21.0                          |
| <b>Southern district:</b>        |                         |                                  |            |                         |                |                          |                             |                               |
| 1926-1930.....                   | 122,815                 | 3,314,113                        | 2,127,953  | 738                     | 30.5           | 6.65                     | 25.3                        | 36.0                          |
| 1931.....                        | 94,529                  | 2,519,692                        | 1,727,286  | 696                     | 29.7           | 6.20                     | 24.3                        | 27.4                          |
| 1932.....                        | 75,523                  | 1,988,647                        | 1,335,337  | 672                     | 29.6           | 5.85                     | 23.7                        | 21.8                          |
| 1933.....                        | 77,185                  | 2,091,759                        | 1,409,073  | 708                     | 28.9           | 6.05                     | 23.6                        | 24.7                          |
| 1934.....                        | 82,244                  | 2,217,318                        | 1,490,001  | 709                     | 30.1           | 5.93                     | 23.1                        | 27.6                          |
| 1935.....                        | 82,881                  | 2,297,157                        | 1,435,028  | 737                     | 30.3           | 6.23                     | 23.6                        | 29.8                          |
| <b>Western district:</b>         |                         |                                  |            |                         |                |                          |                             |                               |
| 1926-1930.....                   | 234,381                 | 6,992,814                        | 4,014,202  | 606                     | 24.0           | 7.03                     | 24.8                        | 33.4                          |
| 1931.....                        | 182,118                 | 5,296,247                        | 3,349,200  | 558                     | 22.9           | 6.34                     | 23.3                        | 27.2                          |
| 1932.....                        | 153,184                 | 4,121,123                        | 2,611,125  | 472                     | 21.6           | 5.41                     | 21.9                        | 22.2                          |
| 1933.....                        | 150,960                 | 4,179,990                        | 2,617,947  | 503                     | 22.3           | 5.41                     | 21.4                        | 23.7                          |
| 1934.....                        | 166,984                 | 4,666,344                        | 2,967,682  | 503                     | 22.1           | 5.28                     | 20.4                        | 27.9                          |
| 1935.....                        | 172,703                 | 4,902,423                        | 2,791,991  | 521                     | 22.6           | 5.43                     | 20.7                        | 29.9                          |

<sup>1</sup> Data available for class I roads only.

<sup>2</sup> Class I and class II roads.

Source: Interstate Commerce Commission.

## No. 436.—FREIGHT TRAFFIC: TONNAGE AND REVENUE

NOTE.—Figures before 1916 relate to years ended June 30; thereafter to calendar years. Switching and terminal roads excluded beginning with 1908. For certain principal items for individual years, 1890 to 1900, see 1932 Statistical Abstract, table 410, p. 381. Tons are of 2,000 pounds

| Class and year or yearly average | Tons of revenue freight carried (thousands) |           | Tons carried 1 mile (millions) |                        | Revenue ton-miles per mile of road | Average haul, revenue freight (miles) |                 | Freight revenue       |                      |
|----------------------------------|---------------------------------------------|-----------|--------------------------------|------------------------|------------------------------------|---------------------------------------|-----------------|-----------------------|----------------------|
|                                  | Originated                                  | Total     | Revenue freight                | Revenue and nonrevenue |                                    | System                                | Individual road | Amount (1,000 dolls.) | Per ton-mile (cents) |
| <b>All roads:</b>                |                                             |           |                                |                        |                                    |                                       |                 |                       |                      |
| 1891-1895                        |                                             | 692,446   | 85,698                         |                        | 506,809                            | -----                                 | 123.75          | 758,930               | 0.886                |
| 1896-1900                        |                                             | 874,889   | 113,962                        |                        | 611,128                            | -----                                 | 130.33          | 879,837               | .772                 |
| 1901-1905                        | 681,120                                     | 1,266,313 | 167,715                        |                        | 820,016                            | 242.67                                | 132.44          | 1,208,713             | .774                 |
| 1906-1910                        | 930,264                                     | 1,673,431 | 228,936                        |                        | 1,009,849                          | 248.10                                | 136.81          | 1,744,525             | .762                 |
| 1911-1915                        | 1,074,121                                   | 1,903,074 | 277,073                        |                        | 1,104,718                          | 257.95                                | 145.59          | 2,051,625             | .740                 |
| 1916-1920                        | 1,325,772                                   | 2,378,184 | 300,815                        |                        | 1,510,297                          | 204.78                                | 164.33          | 3,419,260             | .875                 |
| 1921-1925                        | 1,231,193                                   | 2,216,318 | 375,468                        |                        | 1,455,388                          | 304.96                                | 160.41          | 4,377,618             | 1.168                |
| 1926-1930                        | 1,584,607                                   | 2,481,018 | 430,310                        |                        | 1,657,292                          | 315.34                                | 173.44          | 4,990,122             | 1.090                |
| 1902                             | 857,847                                     | 1,200,316 | 167,289                        |                        | 793,351                            | 239.10                                | 131.04          | 1,207,229             | .757                 |
| 1903                             | 714,768                                     | 1,304,394 | 173,221                        |                        | 855,442                            | 242.35                                | 132.80          | 1,338,020             | .763                 |
| 1904                             | 714,375                                     | 1,300,899 | 174,522                        |                        | 829,476                            | 244.30                                | 133.23          | 1,379,003             | .780                 |
| 1905                             | 784,920                                     | 1,427,732 | 186,463                        |                        | 861,390                            | 237.56                                | 130.60          | 1,450,773             | .760                 |
| 1906                             | 896,159                                     | 1,531,374 | 215,878                        |                        | 982,401                            | 240.89                                | 132.33          | 1,640,387             | .748                 |
| 1907                             | 977,480                                     | 1,790,337 | 236,801                        |                        | 1,052,110                          | 242.05                                | 131.71          | 1,823,652             | .769                 |
| 1908                             | 860,798                                     | 1,532,982 | 218,832                        |                        | 974,654                            | 253.94                                | 143.83          | 1,655,419             | .764                 |
| 1909                             | 881,334                                     | 1,556,560 | 218,803                        |                        | 953,986                            | 251.10                                | 141.87          | 1,677,614             | .768                 |
| 1910                             | 1,026,492                                   | 1,849,900 | 255,017                        |                        | 1,071,086                          | 269.08                                | 138.31          | 1,925,553             | .768                 |
| 1911                             | 1,003,054                                   | 1,781,638 | 253,784                        |                        | 1,053,566                          | 254.10                                | 142.88          | 1,925,951             | .767                 |
| 1912                             | 1,031,207                                   | 1,844,978 | 264,081                        |                        | 1,078,580                          | 256.87                                | 143.44          | 1,968,599             | .744                 |
| 1913                             | 1,182,548                                   | 2,058,035 | 301,730                        |                        | 1,190,307                          | 255.15                                | 144.40          | 2,198,931             | 1.720                |
| 1914                             | 1,129,992                                   | 2,002,026 | 288,637                        |                        | 1,125,084                          | 255.43                                | 144.17          | 2,120,717             | .737                 |
| 1915                             | 1,023,803                                   | 1,828,692 | 277,135                        |                        | 1,075,962                          | 270.60                                | 151.55          | 2,037,626             | .735                 |
| 1916                             | 1,317,246                                   | 2,347,390 | 366,173                        |                        | 1,409,957                          | 277.98                                | 155.99          | 2,631,022             | .719                 |
| 1917                             | 1,382,005                                   | 2,453,423 | 398,263                        |                        | 1,638,211                          | 288.18                                | 162.83          | 2,897,436             | .728                 |
| 1918                             | 1,376,845                                   | 2,477,092 | 408,778                        |                        | 1,582,796                          | 296.89                                | 165.02          | 3,622,052             | .862                 |
| 1919                             | 1,189,705                                   | 2,185,285 | 367,161                        |                        | 1,423,300                          | 308.60                                | 168.60          | 3,624,886             | .987                 |
| 1920                             | 1,362,999                                   | 2,427,622 | 413,699                        |                        | 1,507,133                          | 303.52                                | 170.41          | 4,420,833             | 1.069                |
| 1921                             | 1,017,818                                   | 1,808,830 | 300,533                        |                        | 1,199,328                          | 304.11                                | 171.12          | 4,004,109             | 1.294                |
| 1922                             | 1,111,822                                   | 1,974,018 | 342,138                        |                        | 1,330,460                          | 307.77                                | 173.29          | 4,085,742             | 1.194                |
| 1923                             | 1,387,755                                   | 2,503,117 | 416,256                        |                        | 1,615,741                          | 299.94                                | 166.29          | 4,712,495             | 1.132                |
| 1924                             | 1,287,413                                   | 2,331,291 | 391,945                        |                        | 1,581,556                          | 304.44                                | 168.12          | 4,437,380             | 1.132                |
| 1925                             | 1,851,155                                   | 2,463,725 | 417,418                        |                        | 1,613,862                          | 308.93                                | 169.43          | 4,648,864             | 1.114                |
| 1926                             | 1,439,612                                   | 2,627,492 | 447,444                        |                        | 1,732,295                          | 310.81                                | 170.29          | 4,905,981             | 1.096                |
| 1927                             | 1,372,547                                   | 2,510,054 | 432,014                        |                        | 1,668,800                          | 314.75                                | 172.11          | 4,728,885             | 1.095                |
| 1928                             | 1,371,350                                   | 2,504,196 | 426,087                        |                        | 1,677,089                          | 318.00                                | 174.14          | 4,771,662             | 1.094                |
| 1929                             | 1,419,383                                   | 2,584,333 | 450,189                        |                        | 1,727,786                          | 317.17                                | 174.20          | 4,899,168             | 1.088                |
| 1930                             | 1,220,134                                   | 2,179,015 | 385,815                        |                        | 1,481,199                          | 316.21                                | 177.06          | 4,145,015             | 1.074                |
| 1931                             | 944,846                                     | 1,694,075 | 311,073                        |                        | 1,196,960                          | 329.23                                | 183.62          | 3,302,324             | 1.062                |
| 1932                             | 675,834                                     | 1,229,078 | 235,306                        |                        | 908,296                            | 346.63                                | 191.46          | 2,485,475             | 1.056                |
| 1933                             | 733,991                                     | 1,322,463 | 250,651                        |                        | 972,262                            | 341.77                                | 189.53          | 2,528,968             | 1.009                |
| 1934                             | 802,276                                     | 1,440,434 | 270,292                        |                        | 1,058,609                          | 336.91                                | 187.66          | 2,671,901             | .939                 |
| <b>Class I roads:</b>            |                                             |           |                                |                        |                                    |                                       |                 |                       |                      |
| 1926-1930                        | 1,279,197                                   | 2,341,062 | 427,234                        | 468,347                | 1,782,344                          | 338.99                                | 182.50          | 4,600,341             | 1.077                |
| 1931                             | 894,186                                     | 1,605,034 | 309,225                        | 338,218                | 1,270,861                          | 345.82                                | 192.66          | 3,248,754             | 1.031                |
| 1932                             | 646,223                                     | 1,168,289 | 233,977                        | 257,276                | 968,772                            | 362.07                                | 200.27          | 2,446,864             | 1.046                |
| 1933                             | 698,848                                     | 1,268,823 | 249,223                        | 273,153                | 1,035,707                          | 356.6                                 | 198.0           | 2,488,848             | .999                 |
| 1934                             | 765,299                                     | 1,360,733 | 268,711                        | 295,975                | 1,124,542                          | 351.1                                 | 196.2           | 2,629,802             | .978                 |
| 1935                             | 789,627                                     | 1,427,042 | 282,037                        | 310,484                | 1,185,368                          | 357.2                                 | 197.6           | 2,786,118             | .988                 |
| <b>Eastern district:</b>         |                                             |           |                                |                        |                                    |                                       |                 |                       |                      |
| 1932                             | 286,549                                     | 604,930   | 98,578                         | 106,668                | 1,653,887                          | 344.02                                | 162.96          | 1,046,141             | 1.061                |
| 1933                             | 305,305                                     | 600,091   | 104,562                        | 112,943                | 1,760,002                          | 342.5                                 | 160.8           | 1,062,230             | 1.016                |
| 1934                             | 344,652                                     | 714,659   | 112,261                        | 121,143                | 1,900,572                          | 329.3                                 | 157.1           | 1,120,249             | .998                 |
| 1935                             | 349,217                                     | 740,928   | 116,629                        | 125,530                | 1,984,121                          | 334.0                                 | 157.4           | 1,192,014             | 1.022                |
| <b>Southern district:</b>        |                                             |           |                                |                        |                                    |                                       |                 |                       |                      |
| 1932                             | 160,646                                     | 231,583   | 54,477                         | 59,140                 | 1,181,906                          | 339.11                                | 235.24          | 473,963               | .870                 |
| 1933                             | 171,791                                     | 263,681   | 58,034                         | 63,790                 | 1,288,375                          | 343.1                                 | 232.3           | 503,279               | .854                 |
| 1934                             | 164,908                                     | 271,665   | 62,397                         | 67,829                 | 1,373,561                          | 337.8                                 | 229.3           | 521,055               | .895                 |
| 1935                             | 190,814                                     | 282,743   | 65,152                         | 70,655                 | 1,441,860                          | 341.4                                 | 230.4           | 549,995               | .844                 |
| <b>Western district:</b>         |                                             |           |                                |                        |                                    |                                       |                 |                       |                      |
| 1932                             | 199,028                                     | 331,776   | 80,922                         | 91,468                 | 595,793                            | 406.59                                | 243.91          | 926,766               | 1.145                |
| 1933                             | 221,847                                     | 365,051   | 85,727                         | 96,420                 | 632,777                            | 386.4                                 | 241.5           | 923,282               | 1.077                |
| 1934                             | 236,636                                     | 383,119   | 94,083                         | 107,003                | 699,610                            | 397.6                                 | 245.6           | 988,006               | 1.050                |
| 1935                             | 249,596                                     | 403,371   | 100,266                        | 114,299                | 748,378                            | 401.7                                 | 248.5           | 1,044,106             | 1.041                |

<sup>1</sup> Class I and class II roads.

<sup>2</sup> Data included for class II and class III roads are partially estimated.

Source: Interstate Commerce Commission.

## No. 437.—REVENUE AND TRAFFIC BY MONTHS: CLASS I CARRIERS

NOTE.—Except at times of general revisions in freight rates changes in freight revenue are closely parallel to those of ton-mileage. Data, except as indicated, exclude class I switching and terminal companies

| Year                                           | Average | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
|------------------------------------------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| TOTAL OPERATING REVENUES (millions of dollars) |         |       |       |       |       |       |       |       |       |       |       |       |       |
| 1912 <sup>1</sup>                              | 249.8   | 209.2 | 216.1 | 235.8 | 216.2 | 232.3 | 242.9 | 253.0 | 275.8 | 274.4 | 298.2 | 275.9 | 264.4 |
| 1913 <sup>1</sup>                              | 480.9   | 247.0 | 229.9 | 245.9 | 242.3 | 262.1 | 258.9 | 266.3 | 279.6 | 283.4 | 296.3 | 286.6 | 262.4 |
| 1914 <sup>1</sup>                              | 244.0   | 231.3 | 207.1 | 247.5 | 235.4 | 237.7 | 249.3 | 256.0 | 267.1 | 268.6 | 266.6 | 233.8 | 226.3 |
| 1915 <sup>1</sup>                              | 256.6   | 214.1 | 205.1 | 231.5 | 231.0 | 237.9 | 249.5 | 256.2 | 273.1 | 287.2 | 303.7 | 299.1 | 288.1 |
| 1916 <sup>1</sup>                              | 302.1   | 260.9 | 262.8 | 290.2 | 282.0 | 301.0 | 300.0 | 303.2 | 327.2 | 326.8 | 338.7 | 322.7 | 311.1 |
| 1917 <sup>1</sup>                              | 337.4   | 300.8 | 295.4 | 317.1 | 319.3 | 345.9 | 349.7 | 348.4 | 366.2 | 358.8 | 382.6 | 357.3 | 337.1 |
| 1918 <sup>1</sup>                              | 410.5   | 285.4 | 290.0 | 366.4 | 371.6 | 378.0 | 395.2 | 470.4 | 504.7 | 489.7 | 490.8 | 440.9 | 441.5 |
| 1919 <sup>1</sup>                              | 432.0   | 397.2 | 352.4 | 377.4 | 389.5 | 418.9 | 428.1 | 455.3 | 471.7 | 498.6 | 509.8 | 438.1 | 453.4 |
| 1920 <sup>1</sup>                              | 519.0   | 500.8 | 424.6 | 460.2 | 402.3 | 457.6 | 494.7 | 529.1 | 555.5 | 613.9 | 641.8 | 592.1 | 550.6 |
| 1921 <sup>1</sup>                              | 404.2   | 470.4 | 406.5 | 459.0 | 433.4 | 444.9 | 481.6 | 462.9 | 505.7 | 498.3 | 536.7 | 465.9 | 425.3 |
| 1922                                           | 403.4   | 301.8 | 397.4 | 470.4 | 412.9 | 444.6 | 489.0 | 439.1 | 469.2 | 495.8 | 544.4 | 518.2 | 408.4 |
| 1923                                           | 524.3   | 497.0 | 442.1 | 530.2 | 517.8 | 542.1 | 535.6 | 530.8 | 558.5 | 540.1 | 581.7 | 526.3 | 489.3 |
| 1924                                           | 493.0   | 463.7 | 474.1 | 499.7 | 470.0 | 472.3 | 480.9 | 477.0 | 503.2 | 535.5 | 566.9 | 500.6 | 499.9 |
| 1925                                           | 510.2   | 470.2 | 450.1 | 481.1 | 468.6 | 483.5 | 501.7 | 517.1 | 549.9 | 559.9 | 585.3 | 527.4 | 518.7 |
| 1926                                           | 532.7   | 476.0 | 455.7 | 525.7 | 404.9 | 512.2 | 535.4 | 551.0 | 573.8 | 584.8 | 603.6 | 566.2 | 522.1 |
| 1927                                           | 511.7   | 482.0 | 464.0 | 525.2 | 493.3 | 513.6 | 511.6 | 503.9 | 551.6 | 559.5 | 574.7 | 498.8 | 462.6 |
| 1928                                           | 509.5   | 462.8 | 451.3 | 499.9 | 469.3 | 505.3 | 496.9 | 507.6 | 552.2 | 550.4 | 611.7 | 523.0 | 491.1 |
| 1929                                           | 523.6   | 481.6 | 470.4 | 511.3 | 508.6 | 531.8 | 526.0 | 551.7 | 582.2 | 580.7 | 602.4 | 494.1 | 464.2 |
| 1930                                           | 440.1   | 446.3 | 423.2 | 447.7 | 445.9 | 457.6 | 439.7 | 451.8 | 461.0 | 482.2 | 478.0 | 394.3 | 373.9 |
| 1931                                           | 380.0   | 361.8 | 332.8 | 371.9 | 365.4 | 364.8 | 365.8 | 372.8 | 360.3 | 360.3 | 359.0 | 301.9 | 285.4 |
| 1932                                           | 200.0   | 272.2 | 264.2 | 286.7 | 264.9 | 251.9 | 243.5 | 235.3 | 249.4 | 269.5 | 265.2 | 250.7 | 243.3 |
| 1933                                           | 268.0   | 226.6 | 212.2 | 218.1 | 224.9 | 255.2 | 275.3 | 293.7 | 297.0 | 292.2 | 294.4 | 257.7 | 245.3 |
| 1934                                           | 272.6   | 258.0 | 248.5 | 293.2 | 265.4 | 282.0 | 282.8 | 276.0 | 282.7 | 275.5 | 292.9 | 257.0 | 267.5 |
| 1935                                           | 287.5   | 264.2 | 264.9 | 280.9 | 274.7 | 279.5 | 281.3 | 275.3 | 294.0 | 307.0 | 341.0 | 301.3 | 294.2 |

## FREIGHT REVENUE (millions of dollars)

|      |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1922 | 338.9 | 277.0 | 294.5 | 354.1 | 288.8 | 319.5 | 331.8 | 299.4 | 323.4 | 355.8 | 406.2 | 389.7 | 364.0 |
| 1923 | 835.3 | 306.9 | 326.7 | 398.6 | 386.1 | 405.3 | 387.1 | 379.2 | 402.0 | 390.8 | 441.4 | 365.8 | 344.0 |
| 1924 | 362.3 | 333.3 | 352.6 | 371.5 | 342.8 | 344.7 | 323.2 | 340.0 | 358.4 | 399.1 | 438.9 | 380.9 | 362.1 |
| 1925 | 379.4 | 350.0 | 336.8 | 390.6 | 347.0 | 359.2 | 366.0 | 377.4 | 403.2 | 419.6 | 450.2 | 402.4 | 376.4 |
| 1926 | 401.4 | 347.7 | 340.6 | 401.7 | 370.4 | 356.3 | 397.6 | 409.3 | 429.3 | 444.7 | 472.1 | 433.2 | 384.6 |
| 1927 | 387.3 | 357.9 | 353.9 | 406.3 | 371.4 | 391.1 | 381.9 | 369.9 | 411.1 | 426.7 | 462.7 | 385.8 | 334.7 |
| 1928 | 391.2 | 337.8 | 345.1 | 388.2 | 356.4 | 361.5 | 370.6 | 332.0 | 421.5 | 423.8 | 492.8 | 415.7 | 367.9 |
| 1929 | 402.4 | 367.0 | 363.6 | 393.6 | 393.5 | 412.5 | 390.9 | 416.8 | 446.3 | 435.3 | 483.3 | 384.3 | 341.1 |
| 1930 | 340.3 | 338.0 | 327.0 | 345.2 | 345.6 | 354.1 | 331.4 | 347.1 | 354.5 | 363.3 | 385.5 | 310.9 | 280.4 |
| 1931 | 271.2 | 276.9 | 257.4 | 291.2 | 283.5 | 282.0 | 281.1 | 290.1 | 279.0 | 270.9 | 280.0 | 238.3 | 214.7 |
| 1932 | 204.3 | 208.4 | 205.3 | 224.9 | 207.9 | 194.2 | 185.9 | 179.9 | 194.9 | 214.5 | 244.0 | 203.1 | 188.1 |
| 1933 | 207.7 | 179.2 | 169.2 | 175.3 | 180.2 | 207.5 | 223.3 | 240.2 | 241.3 | 235.4 | 239.6 | 200.9 | 191.7 |
| 1934 | 219.5 | 208.8 | 201.7 | 241.0 | 214.3 | 228.6 | 225.7 | 221.3 | 224.8 | 220.5 | 238.8 | 208.6 | 199.4 |
| 1935 | 232.4 | 211.0 | 205.0 | 228.6 | 222.0 | 224.3 | 225.2 | 220.5 | 235.0 | 249.9 | 284.6 | 248.1 | 234.1 |

## PASSENGER REVENUE (millions of dollars)

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1927 | 81.4 | 86.0 | 74.3 | 76.7 | 77.4 | 78.6 | 86.0 | 91.7 | 91.7 | 86.3 | 75.2 | 70.9 | 81.9 |
| 1928 | 75.2 | 75.6 | 69.5 | 70.6 | 71.1 | 70.4 | 81.8 | 82.8 | 85.2 | 80.2 | 69.7 | 65.3 | 74.5 |
| 1929 | 72.8 | 75.0 | 68.4 | 71.9 | 67.5 | 68.9 | 79.3 | 79.6 | 84.3 | 75.8 | 65.2 | 62.6 | 74.5 |
| 1930 | 60.8 | 70.5 | 61.3 | 61.8 | 59.6 | 60.4 | 67.2 | 65.8 | 68.4 | 69.1 | 52.4 | 48.7 | 55.4 |
| 1931 | 45.9 | 68.3 | 46.5 | 47.1 | 47.3 | 47.0 | 61.0 | 59.3 | 67.2 | 44.8 | 38.2 | 35.9 | 40.6 |
| 1932 | 31.4 | 38.0 | 33.9 | 34.4 | 31.0 | 31.3 | 32.6 | 32.7 | 31.4 | 30.6 | 23.2 | 24.9 | 30.2 |
| 1933 | 27.4 | 26.7 | 23.6 | 21.9 | 22.9 | 23.9 | 31.0 | 31.0 | 32.2 | 32.0 | 20.8 | 25.0 | 32.3 |
| 1934 | 28.9 | 27.2 | 25.4 | 27.4 | 27.0 | 26.6 | 31.6 | 32.2 | 32.8 | 30.6 | 28.6 | 24.8 | 32.0 |
| 1935 | 29.8 | 30.4 | 27.3 | 27.7 | 27.2 | 27.1 | 31.1 | 31.6 | 33.8 | 30.8 | 28.6 | 27.8 | 34.4 |

FREIGHT TON-MILES (millions)<sup>2</sup>

|      |        |        |        |        |        |        |        |        |        |        |        |        |        |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1922 | 31,320 | 27,151 | 28,451 | 32,941 | 24,735 | 27,940 | 29,062 | 27,115 | 30,472 | 34,334 | 39,287 | 38,077 | 36,271 |
| 1923 | 38,133 | 37,707 | 32,628 | 39,222 | 35,321 | 39,598 | 38,001 | 38,518 | 40,844 | 39,461 | 42,210 | 38,158 | 35,427 |
| 1924 | 35,803 | 34,510 | 35,982 | 36,426 | 31,626 | 33,915 | 31,968 | 33,185 | 36,457 | 39,094 | 43,134 | 38,067 | 35,006 |
| 1925 | 58,007 | 37,026 | 33,570 | 35,332 | 35,671 | 37,126 | 35,864 | 37,944 | 41,709 | 41,305 | 44,054 | 40,775 | 37,856 |
| 1926 | 40,725 | 37,680 | 35,405 | 38,669 | 36,300 | 39,834 | 39,252 | 41,717 | 43,734 | 44,346 | 48,296 | 43,360 | 40,110 |
| 1927 | 39,559 | 39,233 | 37,259 | 41,817 | 37,111 | 40,118 | 38,477 | 38,369 | 41,984 | 42,959 | 45,537 | 37,250 | 34,562 |
| 1928 | 39,769 | 39,283 | 35,723 | 39,486 | 35,887 | 39,263 | 37,307 | 39,153 | 42,425 | 43,791 | 48,234 | 41,991 | 37,673 |
| 1929 | 41,026 | 39,210 | 35,140 | 40,228 | 38,345 | 41,840 | 40,740 | 42,009 | 44,950 | 44,222 | 47,836 | 38,741 | 36,046 |
| 1930 | 35,179 | 36,718 | 34,347 | 35,301 | 34,900 | 36,673 | 34,417 | 35,595 | 37,423 | 36,232 | 39,294 | 32,510 | 29,084 |
| 1931 | 28,346 | 30,308 | 27,097 | 29,961 | 28,711 | 30,016 | 28,254 | 30,273 | 29,361 | 27,842 | 30,579 | 25,084 | 22,662 |
| 1932 | 21,687 | 22,855 | 21,718 | 23,581 | 21,269 | 19,872 | 18,673 | 19,065 | 20,071 | 22,709 | 26,375 | 21,759 | 21,107 |
| 1933 | 22,924 | 19,987 | 19,118 | 19,851 | 19,631 | 21,734 | 23,710 | 26,405 | 26,464 | 26,130 | 28,414 | 23,937 | 22,000 |
| 1934 | 24,805 | 23,771 | 23,190 | 27,796 | 23,475 | 25,262 | 25,208 | 24,260 | 25,405 | 25,889 | 26,504 | 23,786 | 23,102 |
| 1935 | 26,022 | 24,964 | 24,140 | 27,586 | 23,320 | 24,662 | 25,933 | 23,167 | 25,930 | 27,715 | 31,200 | 27,468 | 26,176 |

<sup>1</sup> Including switching and terminal companies.<sup>2</sup> Revenue and nonrevenue.

## No. 438.—PASSENGERS CARRIED AND PASSENGER REVENUE

NOTE.—Figures relate to years ended June 30 prior to 1916, to calendar years thereafter. Passenger service revenue per train-mile includes revenue from mail, express, etc., but average revenue per passenger-mile is computed only from revenue from passengers themselves

| Class and year or yearly average | Passengers carried (thousands) | Passengers carried 1 mile (millions) | Average journey per passenger (miles) | Passenger train-miles (thousands) | Passenger train car-miles (thousands) | Passenger revenue (thousand dollars) | Passenger service train revenue per train-mile | Revenue per passenger per mile (cts.) | Average passengers per train |
|----------------------------------|--------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|---------------------------------------|--------------------------------------|------------------------------------------------|---------------------------------------|------------------------------|
| <b>All roads:</b>                |                                |                                      |                                       |                                   |                                       |                                      |                                                |                                       |                              |
| 1891-1895                        | 548,762                        | 13,383                               | 24.48                                 | 321,031                           | -----                                 | 281,415                              | \$1.05                                         | 2.10                                  | 42                           |
| 1896-1900                        | 520,459                        | 13,803                               | 26.64                                 | 345,457                           | -----                                 | 279,900                              | .99                                            | 2.02                                  | 39                           |
| 1901-1905                        | 681,261                        | 20,737                               | 30.44                                 | 423,244                           | -----                                 | 416,609                              | 1.11                                           | 2.01                                  | 45                           |
| 1906-1910                        | 885,003                        | 28,683                               | 32.41                                 | 509,868                           | -----                                 | 500,815                              | 1.26                                           | 1.98                                  | 53                           |
| 1911-1915                        | 1,018,804                      | 33,768                               | 33.14                                 | 587,501                           | 3,264,399                             | 672,792                              | 1.32                                           | 1.99                                  | 54                           |
| 1916-1920                        | 1,162,566                      | 42,548                               | 36.92                                 | 660,364                           | 3,416,933                             | 1,021,536                            | 1.21                                           | 2.40                                  | 172                          |
| 1921-1925                        | 982,320                        | 36,869                               | 37.53                                 | 571,455                           | 3,693,117                             | 1,112,634                            | 1.27                                           | 3.02                                  | 105                          |
| 1926-1930                        | 801,503                        | 31,846                               | 39.73                                 | 509,310                           | 3,818,089                             | 908,841                              | 1.25                                           | 2.85                                  | 156                          |
| 1906                             | 797,946                        | 25,167                               | 31.54                                 | 479,038                           | -----                                 | 510,033                              | 1.20                                           | 2.00                                  | 40                           |
| 1907                             | 873,905                        | 27,719                               | 31.72                                 | 509,328                           | -----                                 | 564,606                              | 1.26                                           | 2.01                                  | 61                           |
| 1908                             | 890,010                        | 29,083                               | 32.86                                 | 505,946                           | 2,705,660                             | 566,533                              | 1.27                                           | 1.94                                  | 54                           |
| 1909                             | 891,472                        | 29,109                               | 32.85                                 | 506,011                           | 2,746,511                             | 563,609                              | 1.27                                           | 1.93                                  | 54                           |
| 1910                             | 971,683                        | 32,338                               | 33.50                                 | 549,015                           | 2,998,171                             | 628,992                              | 1.30                                           | 1.94                                  | 56                           |
| 1911                             | 997,410                        | 33,202                               | 33.48                                 | 573,929                           | 3,138,774                             | 657,638                              | 1.31                                           | 1.97                                  | 55                           |
| 1912                             | 1,004,081                      | 33,132                               | 33.18                                 | 585,854                           | 3,235,634                             | 680,373                              | 1.29                                           | 1.99                                  | 53                           |
| 1913                             | 1,043,963                      | 34,673                               | 33.31                                 | 593,061                           | 3,320,488                             | 695,988                              | 1.36                                           | 2.01                                  | 55                           |
| 1914                             | 1,068,249                      | 35,357                               | 33.25                                 | 605,212                           | 3,399,604                             | 703,484                              | 1.34                                           | 1.99                                  | 56                           |
| 1915                             | 985,676                        | 32,475                               | 32.95                                 | 580,448                           | 3,229,496                             | 640,476                              | 1.31                                           | 1.99                                  | 58                           |
| 1916                             | 1,048,987                      | 35,220                               | 33.58                                 | 595,441                           | 3,409,639                             | 722,359                              | 1.44                                           | 2.05                                  | 56                           |
| 1917                             | 1,109,943                      | 40,100                               | 36.13                                 | 593,333                           | 3,485,788                             | 840,910                              | 1.69                                           | 2.10                                  | 135                          |
| 1918                             | 1,122,963                      | 43,212                               | 38.48                                 | 644,327                           | 3,270,489                             | 1,040,166                            | 1.23                                           | 2.42                                  | 176                          |
| 1919                             | 1,211,022                      | 46,838                               | 38.68                                 | 553,147                           | 3,440,787                             | 1,193,431                            | 1.24                                           | 2.55                                  | 182                          |
| 1920                             | 1,269,913                      | 47,370                               | 37.30                                 | 574,826                           | 3,618,617                             | 1,304,816                            | 1.28                                           | 2.76                                  | 180                          |
| 1921                             | 1,061,131                      | 37,706                               | 35.53                                 | 568,242                           | 3,503,514                             | 1,196,252                            | 1.51                                           | 3.09                                  | 167                          |
| 1922                             | 989,509                        | 35,811                               | 36.19                                 | 553,919                           | 3,445,869                             | 1,087,516                            | 1.50                                           | 3.04                                  | 165                          |
| 1923                             | 1,008,538                      | 38,294                               | 37.97                                 | 573,938                           | 3,616,342                             | 1,158,925                            | 1.56                                           | 3.03                                  | 167                          |
| 1924                             | 950,459                        | 36,368                               | 38.28                                 | 579,384                           | 3,676,746                             | 1,085,672                            | 1.41                                           | 2.99                                  | 168                          |
| 1925                             | 901,963                        | 30,197                               | 40.10                                 | 581,792                           | 3,773,114                             | 1,064,806                            | 1.27                                           | 2.94                                  | 133                          |
| 1926                             | 874,569                        | 35,673                               | 40.79                                 | 584,972                           | 3,862,010                             | 1,049,210                            | 1.23                                           | 2.94                                  | 151                          |
| 1927                             | 840,030                        | 33,708                               | 40.23                                 | 578,355                           | 3,850,110                             | 980,528                              | 1.23                                           | 2.90                                  | 159                          |
| 1928                             | 798,476                        | 31,718                               | 39.72                                 | 570,038                           | 3,815,337                             | 905,271                              | 1.23                                           | 2.85                                  | 163                          |
| 1929                             | 786,432                        | 31,165                               | 39.93                                 | 568,096                           | 3,870,903                             | 875,929                              | 1.18                                           | 2.81                                  | 155                          |
| 1930                             | 707,987                        | 26,876                               | 37.96                                 | 545,091                           | 3,661,480                             | 780,706                              | 1.15                                           | 2.72                                  | 149                          |
| 1931                             | 599,227                        | 21,933                               | 36.80                                 | 485,538                           | 3,274,812                             | 551,720                              | 1.61                                           | 2.52                                  | 145                          |
| 1932                             | 480,718                        | 16,907                               | 35.36                                 | 419,088                           | 2,743,437                             | 377,611                              | 1.33                                           | 2.22                                  | 140                          |
| 1933                             | 434,848                        | 16,368                               | 37.64                                 | 380,435                           | 2,666,969                             | 329,816                              | 1.27                                           | 2.02                                  | 143                          |
| 1934                             | 452,176                        | 18,069                               | 39.96                                 | 381,611                           | 2,574,329                             | 346,870                              | 1.33                                           | 1.92                                  | 147                          |
| <b>Class I roads:</b>            |                                |                                      |                                       |                                   |                                       |                                      |                                                |                                       |                              |
| 1916-1920                        | 1,114,055                      | 41,989                               | 37.99                                 | 556,495                           | 3,406,925                             | 1,005,690                            | 2.13                                           | 2.40                                  | 72                           |
| 1921-1925                        | 962,153                        | 36,556                               | 37.99                                 | 558,508                           | 3,572,292                             | 1,100,602                            | 2.47                                           | 3.01                                  | 95                           |
| 1926-1930                        | 793,335                        | 31,724                               | 39.99                                 | 500,633                           | 3,800,669                             | 903,748                              | 2.15                                           | 2.85                                  | 56                           |
| 1931                             | 696,391                        | 21,804                               | 36.71                                 | 480,367                           | 3,265,923                             | 560,260                              | 1.61                                           | 2.51                                  | 46                           |
| 1932                             | 478,800                        | 16,971                               | 35.44                                 | 414,383                           | 2,735,614                             | 376,539                              | 1.33                                           | 2.22                                  | 40                           |
| 1933                             | 432,980                        | 16,341                               | 37.74                                 | 376,093                           | 2,490,051                             | 328,957                              | 1.27                                           | 2.01                                  | 43                           |
| 1934                             | 449,775                        | 18,033                               | 40.09                                 | 377,368                           | 2,567,590                             | 345,880                              | 1.33                                           | 1.92                                  | 47                           |
| 1935                             | 445,872                        | 18,476                               | 41.44                                 | 381,747                           | 2,633,758                             | 357,493                              | 1.35                                           | 1.93                                  | 47                           |
| <b>Eastern district:</b>         |                                |                                      |                                       |                                   |                                       |                                      |                                                |                                       |                              |
| 1931                             | 448,834                        | 12,912                               | 28.77                                 | 206,783                           | 1,470,923                             | 316,375                              | 2.03                                           | 2.45                                  | 62                           |
| 1932                             | 362,424                        | 10,171                               | 28.06                                 | 179,587                           | 1,239,635                             | 224,842                              | 1.71                                           | 2.21                                  | 56                           |
| 1933                             | 316,983                        | 9,497                                | 29.96                                 | 164,981                           | 1,126,870                             | 197,168                              | 1.62                                           | 2.08                                  | 57                           |
| 1934                             | 321,407                        | 9,934                                | 30.91                                 | 164,072                           | 1,132,256                             | 206,180                              | 1.68                                           | 2.08                                  | 60                           |
| 1935                             | 318,885                        | 9,777                                | 30.66                                 | 162,586                           | 1,129,165                             | 207,556                              | 1.69                                           | 2.12                                  | 60                           |
| <b>Southern district:</b>        |                                |                                      |                                       |                                   |                                       |                                      |                                                |                                       |                              |
| 1931                             | 48,702                         | 2,292                                | 47.07                                 | 80,984                            | 515,450                               | 66,331                               | 1.20                                           | 2.89                                  | 28                           |
| 1932                             | 36,957                         | 1,830                                | 49.52                                 | 70,385                            | 437,775                               | 42,841                               | .97                                            | 2.34                                  | 25                           |
| 1933                             | 43,467                         | 2,020                                | 46.48                                 | 64,965                            | 413,730                               | 38,851                               | .97                                            | 1.92                                  | 30                           |
| 1934                             | 50,964                         | 2,506                                | 49.17                                 | 65,996                            | 440,675                               | 44,751                               | 1.08                                           | 1.79                                  | 37                           |
| 1935                             | 47,627                         | 2,909                                | 55.01                                 | 67,833                            | 458,470                               | 46,429                               | 1.09                                           | 1.78                                  | 38                           |
| <b>Western district:</b>         |                                |                                      |                                       |                                   |                                       |                                      |                                                |                                       |                              |
| 1931                             | 98,855                         | 6,690                                | 67.67                                 | 192,600                           | 1,279,550                             | 167,044                              | 1.32                                           | 2.50                                  | 34                           |
| 1932                             | 79,419                         | 4,970                                | 62.68                                 | 164,411                           | 1,068,204                             | 108,856                              | 1.06                                           | 2.19                                  | 29                           |
| 1933                             | 72,530                         | 4,524                                | 66.51                                 | 146,147                           | 949,451                               | 92,940                               | 1.03                                           | 1.93                                  | 32                           |
| 1934                             | 77,404                         | 5,593                                | 72.20                                 | 147,300                           | 994,638                               | 94,969                               | 1.06                                           | 1.70                                  | 37                           |
| 1935                             | 79,560                         | 6,090                                | 76.54                                 | 151,328                           | 1,046,123                             | 103,508                              | 1.09                                           | 1.70                                  | 39                           |

<sup>1</sup> Data available for class I only.

<sup>2</sup> Class I and class II roads.

Source: Interstate Commerce Commission.

## No. 439.—REVENUES, EXPENSES, AND INCOME OF OPERATING COMPANIES

NOTE.—Data relate to years ended June 30 prior to 1916, to calendar years thereafter. The method of calculating net revenue and net operating income is more fully shown in table 440. Switching and terminal companies are excluded beginning with 1908; operating revenues of switching and terminal companies, 1933, \$57,743,000, 1934, \$61,910,000; operating expenses, 1933, \$40,266,000, 1934, \$44,950,000. For certain principal items for individual years 1890 to 1900, see 1932 Statistical Abstract, table 411

| Class and year or yearly average | Average miles of line (first track) operated | Income account items (thousands of dollars) |                    |                             |              |                              | Per mile of line   |                             | Per cent operating expenses of revenues |
|----------------------------------|----------------------------------------------|---------------------------------------------|--------------------|-----------------------------|--------------|------------------------------|--------------------|-----------------------------|-----------------------------------------|
|                                  |                                              | Operating revenues                          | Operating expenses | Net revenue from operations | Tax accruals | Net railway operating income | Operating revenues | Net revenue from operations |                                         |
| <b>All roads:</b>                |                                              |                                             |                    |                             |              |                              |                    |                             |                                         |
| 1891-1895                        | 189,378                                      | 1,127,531                                   | 759,588            | 367,942                     | 34,915       | 333,027                      | \$6,657            | \$2,172                     | 67.37                                   |
| 1896-1900                        | 186,001                                      | 1,264,048                                   | 832,377            | 431,671                     | 41,070       | 389,701                      | 6,790              | 2,321                       | 65.56                                   |
| 1901-1905                        | 206,050                                      | 1,854,682                                   | 1,226,737          | 627,945                     | 53,106       | 574,840                      | 9,001              | 3,048                       | 60.14                                   |
| 1906-1910                        | 229,040                                      | 2,528,171                                   | 1,705,642          | 822,630                     | 80,981       | 727,407                      | 11,021             | 3,086                       | 67.46                                   |
| 1911-1915                        | 246,952                                      | 3,007,262                                   | 2,123,282          | 883,980                     | 123,345      | 729,172                      | 12,164             | 3,478                       | 70.61                                   |
| 1916-1920                        | 258,295                                      | 4,870,468                                   | 3,071,453          | 899,015                     | 227,680      | 624,304                      | 18,856             | 3,481                       | 81.84                                   |
| 1921-1925                        | 257,932                                      | 6,008,080                                   | 4,084,135          | 1,319,563                   | 328,822      | 890,832                      | 23,276             | 5,110                       | 78.02                                   |
| 1926-1930                        | 259,040                                      | 6,139,269                                   | 4,502,029          | 1,637,240                   | 386,732      | 1,125,224                    | 23,445             | 6,309                       | 73.33                                   |
| 1931                             | 205,814                                      | 1,900,847                                   | 1,257,639          | 643,308                     | 53,252       | 600,056                      | 9,258              | 3,133                       | 66.16                                   |
| 1932                             | 212,243                                      | 1,975,174                                   | 1,338,898          | 636,276                     | 56,802       | 579,475                      | 9,306              | 2,998                       | 67.79                                   |
| 1933                             | 216,974                                      | 2,082,482                                   | 1,390,902          | 691,580                     | 58,712       | 633,168                      | 9,598              | 3,189                       | 66.78                                   |
| 1934                             | 222,340                                      | 2,325,765                                   | 1,536,877          | 788,888                     | 60,064       | 719,824                      | 10,460             | 3,548                       | 68.08                                   |
| 1935                             | 227,455                                      | 2,589,106                                   | 1,748,616          | 840,590                     | 73,743       | 766,846                      | 11,383             | 3,606                       | 67.63                                   |
| 1936                             | 227,257                                      | 2,440,639                                   | 1,710,402          | 730,237                     | 78,674       | 634,794                      | 10,740             | 3,213                       | 70.08                                   |
| 1937                             | 232,081                                      | 2,473,205                                   | 1,650,034          | 823,171                     | 85,140       | 710,474                      | 10,615             | 3,583                       | 66.72                                   |
| 1938                             | 236,987                                      | 2,812,142                                   | 1,881,879          | 930,263                     | 98,056       | 805,097                      | 11,860             | 3,925                       | 66.92                                   |
| 1939                             | 243,434                                      | 2,852,885                                   | 1,976,332          | 876,553                     | 102,657      | 744,669                      | 11,719             | 3,601                       | 69.28                                   |
| 1940                             | 246,820                                      | 2,906,416                                   | 2,035,068          | 871,358                     | 113,819      | 727,458                      | 11,775             | 3,630                       | 70.02                                   |
| 1941                             | 242,057                                      | 3,193,118                                   | 2,235,923          | 957,195                     | 122,005      | 805,266                      | 13,159             | 3,945                       | 70.02                                   |
| 1942                             | 254,775                                      | 3,193,118                                   | 2,280,416          | 847,314                     | 140,470      | 674,190                      | 12,276             | 3,326                       | 72.91                                   |
| 1943                             | 256,214                                      | 2,059,193                                   | 2,088,683          | 867,610                     | 137,775      | 694,276                      | 11,638             | 3,386                       | 70.85                                   |
| 1944                             | 257,325                                      | 3,691,065                                   | 2,426,251          | 1,264,815                   | 161,825      | 1,058,506                    | 14,344             | 4,915                       | 65.73                                   |
| 1945                             | 258,913                                      | 4,115,413                                   | 2,906,283          | 1,209,130                   | 218,632      | 950,567                      | 15,395             | 4,670                       | 70.67                                   |
| 1946                             | 258,203                                      | 4,985,290                                   | 4,071,522          | 913,768                     | 220,593      | 646,223                      | 19,303             | 3,538                       | 81.62                                   |
| 1947                             | 257,949                                      | 5,250,420                                   | 4,498,817          | 751,603                     | 239,186      | 454,132                      | 20,354             | 2,914                       | 85.68                                   |
| 1948                             | 259,026                                      | 6,310,151                                   | 5,954,394          | 355,757                     | 289,272      | 12,101                       | 24,361             | 1,373                       | 94.36                                   |
| 1949                             | 258,089                                      | 5,632,665                                   | 4,668,998          | 963,667                     | 283,163      | 901,139                      | 21,825             | 3,734                       | 82.89                                   |
| 1950                             | 257,195                                      | 5,674,483                                   | 4,500,991          | 1,164,492                   | 308,146      | 709,411                      | 22,063             | 4,528                       | 79.48                                   |
| 1951                             | 257,626                                      | 6,419,210                                   | 4,999,883          | 1,419,827                   | 339,677      | 974,918                      | 24,917             | 5,811                       | 77.88                                   |
| 1952                             | 258,104                                      | 6,045,252                                   | 4,608,807          | 1,436,445                   | 347,437      | 984,463                      | 23,422             | 5,665                       | 76.24                                   |
| 1953                             | 258,646                                      | 6,240,883                                   | 4,633,497          | 1,613,386                   | 365,790      | 1,136,726                    | 24,162             | 6,238                       | 74.17                                   |
| 1954                             | 258,295                                      | 6,508,679                                   | 4,766,235          | 1,742,444                   | 396,638      | 1,229,020                    | 25,199             | 6,746                       | 78.23                                   |
| 1955                             | 258,727                                      | 6,245,716                                   | 4,662,621          | 1,583,195                   | 383,112      | 1,077,842                    | 24,126             | 6,116                       | 74.65                                   |
| 1956                             | 260,026                                      | 6,212,464                                   | 4,608,608          | 1,703,858                   | 395,631      | 1,182,467                    | 23,892             | 6,553                       | 72.57                                   |
| 1957                             | 260,558                                      | 6,373,004                                   | 4,679,162          | 1,793,842                   | 402,698      | 1,262,659                    | 24,459             | 6,885                       | 71.85                                   |
| 1958                             | 260,475                                      | 5,350,494                                   | 3,993,621          | 1,356,873                   | 353,881      | 874,154                      | 20,564             | 5,232                       | 74.56                                   |
| 1959                             | 259,886                                      | 4,246,385                                   | 3,273,906          | 972,479                     | 308,492      | 528,204                      | 16,339             | 3,742                       | 77.10                                   |
| 1960                             | 259,066                                      | 3,168,637                                   | 2,441,814          | 726,723                     | 279,203      | 325,332                      | 12,231             | 2,805                       | 77.06                                   |
| 1961                             | 257,802                                      | 3,183,186                                   | 2,285,218          | 852,968                     | 265,622      | 477,326                      | 12,173             | 3,309                       | 72.82                                   |
| 1962                             | 255,327                                      | 3,316,861                                   | 2,479,997          | 836,864                     | 243,640      | 465,590                      | 12,092             | 3,278                       | 74.77                                   |
| <b>Class I roads:</b>            |                                              |                                             |                    |                             |              |                              |                    |                             |                                         |
| 1921-1925                        | 235,302                                      | 5,881,855                                   | 4,583,425          | 1,298,431                   | 321,536      | 883,599                      | 24,997             | 5,518                       | 77.92                                   |
| 1926-1930                        | 239,703                                      | 6,038,339                                   | 4,421,699          | 1,616,640                   | 379,941      | 1,114,903                    | 25,191             | 6,744                       | 73.23                                   |
| 1931                             | 242,176                                      | 4,188,343                                   | 3,228,676          | 964,708                     | 303,528      | 525,628                      | 17,295             | 3,984                       | 76.97                                   |
| 1932                             | 241,519                                      | 4,126,780                                   | 2,403,446          | 723,816                     | 276,135      | 326,286                      | 12,946             | 2,996                       | 76.87                                   |
| 1933                             | 240,631                                      | 3,995,404                                   | 2,249,232          | 846,172                     | 249,623      | 474,296                      | 12,804             | 3,516                       | 72.66                                   |
| 1934                             | 238,951                                      | 3,271,567                                   | 2,441,825          | 829,744                     | 239,629      | 462,652                      | 13,691             | 3,472                       | 76.61                                   |
| 1935                             | 237,932                                      | 3,451,929                                   | 2,692,741          | 859,188                     | 236,945      | 490,819                      | 14,508             | 3,611                       | 74.14                                   |
| <b>Eastern district:</b>         |                                              |                                             |                    |                             |              |                              |                    |                             |                                         |
| 1932                             | 59,604                                       | 1,410,801                                   | 1,076,555          | 340,246                     | 116,887      | 159,696                      | 23,770             | 5,708                       | 75.98                                   |
| 1933                             | 59,410                                       | 1,389,133                                   | 1,036,645          | 352,588                     | 104,628      | 213,699                      | 25,382             | 6,440                       | 72.46                                   |
| 1934                             | 59,067                                       | 1,439,568                                   | 1,086,856          | 372,742                     | 101,229      | 206,649                      | 24,711             | 6,310                       | 74.46                                   |
| 1935                             | 58,781                                       | 1,536,014                                   | 1,140,102          | 395,912                     | 95,700       | 235,123                      | 26,131             | 6,785                       | 74.22                                   |
| <b>Southern district:</b>        |                                              |                                             |                    |                             |              |                              |                    |                             |                                         |
| 1932                             | 46,092                                       | 558,408                                     | 417,791            | 140,617                     | 50,305       | 83,226                       | 12,115             | 3,051                       | 74.82                                   |
| 1933                             | 45,743                                       | 583,066                                     | 399,751            | 183,315                     | 47,207       | 127,811                      | 12,747             | 4,007                       | 68.66                                   |
| 1934                             | 45,406                                       | 611,012                                     | 432,328            | 178,684                     | 47,127       | 121,253                      | 13,457             | 3,955                       | 70.76                                   |
| 1935                             | 45,186                                       | 644,018                                     | 462,904            | 181,114                     | 49,828       | 124,159                      | 14,253             | 4,006                       | 71.88                                   |
| <b>Western district:</b>         |                                              |                                             |                    |                             |              |                              |                    |                             |                                         |
| 1932                             | 135,823                                      | 1,151,551                                   | 909,099            | 242,452                     | 107,963      | 83,376                       | 8,478              | 1,785                       | 78.95                                   |
| 1933                             | 135,478                                      | 1,123,205                                   | 842,936            | 280,269                     | 97,886       | 132,786                      | 8,261              | 2,069                       | 75.05                                   |
| 1934                             | 134,479                                      | 1,200,957                                   | 925,669            | 275,318                     | 91,269       | 134,750                      | 8,930              | 2,070                       | 76.82                                   |
| 1935                             | 133,965                                      | 1,271,897                                   | 989,766            | 282,162                     | 88,827       | 140,537                      | 9,494              | 2,106                       | 77.82                                   |

<sup>1</sup> Class I and class II roads.

Source: Interstate Commerce Commission.

## No. 440.—INCOME ACCOUNT OF CLASS I CARRIERS: OPERATING ROADS

NOTE.—All figures in thousands of dollars. Switching and terminal companies are excluded

| Item                                             | 1921-<br>1925<br>(average) | 1926-<br>1930<br>(average) | 1931      | 1932      | 1933      | 1934      | 1935 <sup>1</sup> |
|--------------------------------------------------|----------------------------|----------------------------|-----------|-----------|-----------|-----------|-------------------|
| <b>Revenues</b> .....                            | 5,881,856                  | 6,038,339                  | 4,188,843 | 3,126,760 | 3,095,404 | 3,271,567 | 3,451,920         |
| Freight.....                                     | 4,277,134                  | 4,600,341                  | 3,248,753 | 2,448,804 | 2,488,848 | 2,629,302 | 2,790,551         |
| Passenger.....                                   | 1,100,603                  | 903,748                    | 550,260   | 370,539   | 328,957   | 345,890   | 357,005           |
| Mail.....                                        | 94,900                     | 111,887                    | 105,423   | 97,162    | 91,871    | 91,140    | 92,052            |
| Express.....                                     | 137,888                    | 139,570                    | 82,775    | 53,083    | 45,640    | 54,013    | 53,329            |
| All other transportation.....                    | 129,878                    | 138,665                    | 98,718    | 77,905    | 71,697    | 75,324    | 82,641            |
| All other.....                                   | 141,455                    | 146,128                    | 102,424   | 74,307    | 68,421    | 75,898    | 75,451            |
| <b>Expenses</b> .....                            | 4,583,425                  | 4,481,699                  | 3,233,676 | 2,403,445 | 2,249,232 | 2,441,893 | 2,592,741         |
| Maintenance, way, etc.....                       | 781,577                    | 826,826                    | 530,613   | 351,179   | 322,286   | 365,300   | 393,967           |
| Maintenance, equipment.....                      | 1,297,802                  | 1,178,252                  | 816,954   | 618,941   | 598,709   | 637,906   | 681,887           |
| Traffic.....                                     | 93,919                     | 123,608                    | 117,218   | 90,223    | 85,817    | 80,249    | 94,212            |
| Transportation.....                              | 2,194,858                  | 2,054,865                  | 1,538,469 | 1,154,318 | 1,074,032 | 1,160,582 | 1,253,113         |
| All other.....                                   | 215,769                    | 238,148                    | 220,321   | 182,784   | 167,488   | 188,785   | 169,502           |
| <b>Net revenue from railway operations</b> ..... | 1,298,431                  | 1,516,640                  | 954,768   | 723,315   | 846,172   | 829,744   | 859,188           |
| <b>Deduct</b> —                                  |                            |                            |           |           |           |           |                   |
| Tax accruals.....                                | 321,530                    | 379,941                    | 303,528   | 275,135   | 249,623   | 239,625   | 236,945           |
| Uncollectible revenues.....                      | 1,895                      | 1,427                      | 891       | 1,027     | 1,208     | 1,160     | 1,204             |
| Equipment rents.....                             | 87,689                     | 91,783                     | 99,193    | 85,102    | 85,008    | 89,840    | 85,662            |
| Joint facility rents.....                        | 23,742                     | 28,583                     | 35,628    | 35,753    | 36,037    | 36,452    | 35,558            |
| <b>Net railway operating income</b> .....        | 883,599                    | 1,114,903                  | 626,628   | 326,298   | 474,296   | 462,662   | 496,819           |

| Item                                             | Eastern district |           |                   | Southern district |         |                   | Western district |           |                   |
|--------------------------------------------------|------------------|-----------|-------------------|-------------------|---------|-------------------|------------------|-----------|-------------------|
|                                                  | 1933             | 1934      | 1935 <sup>1</sup> | 1933              | 1934    | 1935 <sup>1</sup> | 1933             | 1934      | 1935 <sup>1</sup> |
| <b>Revenues</b> .....                            | 1,389,133        | 1,459,598 | 1,536,014         | 583,086           | 611,011 | 644,018           | 1,123,205        | 1,200,957 | 1,271,697         |
| Freight.....                                     | 1,082,290        | 1,120,243 | 1,192,014         | 503,276           | 521,052 | 549,996           | 923,282          | 988,006   | 1,048,542         |
| Passenger.....                                   | 197,166          | 200,180   | 207,818           | 38,851            | 44,761  | 40,429            | 92,940           | 94,959    | 103,657           |
| Mail.....                                        | 35,930           | 35,137    | 35,372            | 15,787            | 15,995  | 16,270            | 40,154           | 39,988    | 40,410            |
| Express.....                                     | 19,867           | 22,291    | 22,005            | 8,691             | 10,742  | 11,374            | 17,082           | 20,090    | 19,950            |
| All other transportation.....                    | 39,572           | 38,771    | 40,523            | 6,458             | 7,197   | 8,121             | 25,637           | 29,357    | 33,997            |
| All other.....                                   | 34,308           | 30,955    | 38,282            | 10,003            | 11,275  | 11,828            | 24,110           | 27,698    | 28,341            |
| <b>Expenses</b> .....                            | 1,006,545        | 1,086,855 | 1,140,102         | 399,751           | 432,328 | 462,904           | 842,936          | 922,639   | 989,735           |
| Maintenance, way, etc.....                       | 129,428          | 144,737   | 151,043           | 63,062            | 70,506  | 75,063            | 129,796          | 150,056   | 167,841           |
| Maintenance, equipment.....                      | 270,474          | 284,698   | 300,310           | 113,061           | 121,358 | 133,225           | 215,174          | 231,849   | 248,252           |
| Traffic.....                                     | 82,038           | 33,778    | 35,505            | 16,241            | 17,147  | 18,059            | 37,543           | 38,324    | 40,648            |
| Transportation.....                              | 501,317          | 541,290   | 574,532           | 180,571           | 194,201 | 208,523           | 393,044          | 425,092   | 470,058           |
| All other.....                                   | 73,293           | 52,552    | 78,712            | 26,816            | 29,116  | 28,014            | 67,379           | 77,318    | 62,836            |
| <b>Net revenue from railway operations</b> ..... | 382,588          | 372,742   | 395,912           | 183,315           | 178,684 | 181,114           | 280,269          | 278,318   | 282,132           |
| <b>Deduct</b> —                                  |                  |           |                   |                   |         |                   |                  |           |                   |
| Tax accruals.....                                | 104,528          | 101,229   | 98,790            | 47,207            | 47,128  | 49,828            | 97,838           | 91,298    | 88,327            |
| Uncollectible revenues.....                      | 520              | 605       | 656               | 163               | 195     | 130               | 525              | 396       | 418               |
| Equipment rents.....                             | 44,033           | 43,829    | 40,920            | 4,214             | 5,087   | 3,486             | 35,761           | 40,833    | 41,266            |
| Joint facility rents.....                        | 19,808           | 20,430    | 20,423            | 3,920             | 4,421   | 3,511             | 12,309           | 11,001    | 11,624            |
| <b>Net railway operating income</b> .....        | 213,699          | 206,649   | 235,123           | 127,811           | 121,253 | 124,169           | 132,766          | 134,750   | 140,337           |

<sup>1</sup> Rail line and water line transportation combined in the several accounts; water line transportation included in "All other" in prior years.

Source: Interstate Commerce Commission.

## No. 441.—TAXES AND SPECIAL ASSESSMENTS OF CLASS I CARRIERS, BY STATES

NOTE.—Data for all years exclude switching and terminal companies and include nonoperating subsidiaries. Data for 1916 include also class II carriers. Total railroad taxes, Federal and State, in 1934, by classes, were as follows: Class I and subsidiaries, \$241,812,732 (including \$510,350 Canadian, \$1,418 Mexican and \$62 not localized by States); class II and subsidiaries, \$3,446,189; class III and subsidiaries, \$577,006; switching and terminal companies, \$11,654,844; grand total \$257,490,801

| State                                       | Amount (thousands of dollars) |          |          |          |          |          | Per mile of line (dollars) |        |        |        |
|---------------------------------------------|-------------------------------|----------|----------|----------|----------|----------|----------------------------|--------|--------|--------|
|                                             | 1916                          | 1920     | 1925     | 1930     | 1933     | 1934     | 1920                       | 1930   | 1933   | 1934   |
| <b>Total</b> .....                          | 162, 475                      | 232, 751 | 359, 370 | 549, 207 | 251, 214 | 241, 301 | 1, 262                     | 1, 519 | 1, 108 | 1, 068 |
| <b>United States Government taxes</b> ..... | 12, 531                       | 50, 543  | 87, 680  | 40, 936  | 21, 070  | 21, 646  | 226                        | 178    | 93     | 96     |
| <b>New England:</b>                         |                               |          |          |          |          |          |                            |        |        |        |
| Maine.....                                  | 1, 026                        | 1, 725   | 1, 977   | 1, 908   | 1, 188   | 1, 188   | 831                        | 963    | 604    | 604    |
| New Hampshire.....                          | 749                           | 1, 005   | 1, 042   | 1, 125   | 844      | 734      | 827                        | 990    | 795    | 692    |
| Vermont.....                                | 491                           | 451      | 453      | 407      | 456      | 444      | 808                        | 540    | 610    | 594    |
| Massachusetts.....                          | 2, 575                        | 3, 339   | 3, 920   | 4, 709   | 3, 760   | 3, 914   | 1, 616                     | 2, 369 | 1, 913 | 2, 011 |
| Rhode Island.....                           | 397                           | 585      | 604      | 687      | 682      | 678      | 2, 995                     | 3, 933 | 3, 627 | 3, 585 |
| Connecticut.....                            | 1, 114                        | 1, 975   | 2, 058   | 1, 672   | 921      | 1, 014   | 1, 977                     | 1, 737 | 949    | 1, 043 |
| <b>Middle Atlantic:</b>                     |                               |          |          |          |          |          |                            |        |        |        |
| New York.....                               | 11, 724                       | 17, 861  | 22, 613  | 27, 373  | 24, 292  | 25, 453  | 2, 271                     | 3, 491 | 3, 100 | 3, 256 |
| New Jersey.....                             | 7, 656                        | 11, 189  | 17, 355  | 20, 442  | 17, 915  | 13, 083  | 5, 292                     | 9, 951 | 9, 136 | 9, 243 |
| Pennsylvania.....                           | 9, 957                        | 9, 342   | 11, 134  | 12, 440  | 7, 592   | 8, 217   | 945                        | 1, 235 | 751    | 800    |
| <b>South Atlantic:</b>                      |                               |          |          |          |          |          |                            |        |        |        |
| Delaware.....                               | 153                           | 165      | 182      | 166      | 163      | 159      | 493                        | 567    | 556    | 542    |
| Dist. of Columbia.....                      | 64                            | 79       | 126      | 144      | 158      | 136      | 2, 291                     | 4, 173 | 4, 378 | 3, 775 |
| Maryland.....                               | 1, 211                        | 2, 004   | 1, 352   | 2, 076   | 1, 738   | 1, 694   | 1, 591                     | 1, 829 | 1, 538 | 1, 491 |
| Virginia.....                               | 3, 012                        | 4, 695   | 5, 614   | 7, 318   | 5, 239   | 5, 193   | 1, 129                     | 1, 759 | 1, 293 | 1, 246 |
| West Virginia.....                          | 2, 355                        | 3, 879   | 6, 046   | 8, 109   | 7, 369   | 8, 626   | 1, 195                     | 2, 193 | 2, 068 | 2, 428 |
| North Carolina.....                         | 1, 706                        | 2, 120   | 4, 748   | 5, 392   | 3, 885   | 3, 690   | 552                        | 1, 399 | 1, 018 | 984    |
| South Carolina.....                         | 1, 091                        | 1, 951   | 2, 840   | 3, 489   | 2, 440   | 2, 488   | 623                        | 1, 106 | 780    | 792    |
| Georgia.....                                | 1, 957                        | 2, 481   | 3, 310   | 3, 966   | 2, 540   | 2, 547   | 455                        | 719    | 453    | 469    |
| Florida.....                                | 1, 572                        | 2, 107   | 3, 888   | 4, 964   | 2, 991   | 2, 776   | 542                        | 955    | 600    | 559    |
| <b>East North Central:</b>                  |                               |          |          |          |          |          |                            |        |        |        |
| Ohio.....                                   | 10, 618                       | 16, 841  | 18, 518  | 19, 923  | 14, 742  | 12, 983  | 2, 048                     | 2, 334 | 1, 740 | 1, 538 |
| Indiana.....                                | 5, 803                        | 9, 422   | 11, 627  | 13, 852  | 7, 150   | 6, 919   | 1, 328                     | 2, 011 | 1, 047 | 1, 014 |
| Illinois.....                               | 9, 049                        | 16, 422  | 21, 576  | 22, 084  | 18, 552  | 13, 520  | 1, 421                     | 1, 827 | 1, 548 | 1, 136 |
| Michigan.....                               | 4, 220                        | 7, 579   | 7, 650   | 10, 816  | 6, 719   | 5, 267   | 1, 083                     | 1, 469 | 956    | 752    |
| Wisconsin.....                              | 4, 968                        | 6, 876   | 7, 295   | 7, 201   | 5, 497   | 5, 247   | 995                        | 1, 034 | 803    | 780    |
| <b>West North Central:</b>                  |                               |          |          |          |          |          |                            |        |        |        |
| Minnesota.....                              | 6, 445                        | 9, 753   | 7, 965   | 6, 778   | 4, 117   | 4, 095   | 1, 151                     | 823    | 501    | 502    |
| Iowa.....                                   | 3, 871                        | 7, 855   | 6, 842   | 8, 026   | 4, 835   | 4, 250   | 808                        | 831    | 508    | 449    |
| Missouri.....                               | 2, 258                        | 3, 359   | 3, 716   | 4, 234   | 3, 532   | 3, 430   | 457                        | 566    | 487    | 476    |
| North Dakota.....                           | 2, 289                        | 4, 997   | 4, 290   | 4, 110   | 3, 192   | 2, 597   | 969                        | 799    | 621    | 505    |
| South Dakota.....                           | 1, 635                        | 3, 713   | 3, 181   | 2, 696   | 1, 892   | 1, 757   | 900                        | 644    | 454    | 424    |
| Nebraska.....                               | 2, 704                        | 4, 159   | 4, 747   | 4, 322   | 3, 560   | 3, 205   | 677                        | 749    | 583    | 535    |
| Kansas.....                                 | 4, 108                        | 6, 188   | 6, 670   | 8, 871   | 6, 843   | 6, 753   | 688                        | 968    | 758    | 761    |
| <b>East South Central:</b>                  |                               |          |          |          |          |          |                            |        |        |        |
| Kentucky.....                               | 2, 018                        | 2, 184   | 4, 246   | 5, 373   | 3, 739   | 3, 421   | 624                        | 1, 411 | 1, 016 | 936    |
| Tennessee.....                              | 1, 718                        | 2, 584   | 3, 107   | 3, 629   | 2, 322   | 2, 391   | 702                        | 1, 002 | 648    | 671    |
| Alabama.....                                | 1, 751                        | 2, 548   | 2, 687   | 3, 681   | 2, 351   | 2, 223   | 590                        | 797    | 514    | 488    |
| Mississippi.....                            | 1, 916                        | 3, 612   | 5, 064   | 5, 047   | 3, 017   | 2, 857   | 942                        | 1, 322 | 802    | 760    |
| <b>West South Central:</b>                  |                               |          |          |          |          |          |                            |        |        |        |
| Louisiana.....                              | 2, 235                        | 3, 788   | 4, 578   | 5, 098   | 4, 216   | 3, 873   | 971                        | 1, 280 | 1, 061 | 989    |
| Texas.....                                  | 4, 656                        | 5, 093   | 6, 514   | 7, 014   | 6, 164   | 5, 970   | 364                        | 494    | 408    | 399    |
| Oklahoma.....                               | 3, 653                        | 5, 463   | 5, 682   | 6, 468   | 4, 553   | 3, 922   | 864                        | 994    | 702    | 586    |
| Arkansas.....                               | 2, 248                        | 3, 912   | 2, 693   | 3, 026   | 2, 378   | 2, 283   | 943                        | 690    | 543    | 532    |
| <b>Mountain:</b>                            |                               |          |          |          |          |          |                            |        |        |        |
| Montana.....                                | 2, 781                        | 4, 284   | 4, 728   | 5, 178   | 4, 622   | 4, 466   | 871                        | 1, 016 | 912    | 879    |
| Wyoming.....                                | 901                           | 1, 213   | 1, 659   | 1, 970   | 1, 872   | 1, 900   | 686                        | 1, 071 | 1, 018 | 1, 034 |
| Colorado.....                               | 2, 451                        | 3, 344   | 3, 719   | 4, 271   | 3, 324   | 3, 597   | 729                        | 972    | 769    | 827    |
| New Mexico.....                             | 1, 179                        | 2, 467   | 2, 212   | 2, 785   | 2, 410   | 1, 771   | 915                        | 993    | 861    | 640    |
| Arizona.....                                | 1, 341                        | 1, 572   | 2, 485   | 3, 100   | 3, 234   | 3, 240   | 776                        | 1, 403 | 1, 555 | 1, 569 |
| Utah.....                                   | 1, 123                        | 1, 856   | 2, 161   | 2, 404   | 2, 252   | 2, 331   | 907                        | 1, 142 | 1, 095 | 1, 141 |
| Nevada.....                                 | 1, 028                        | 1, 543   | 1, 762   | 1, 970   | 1, 984   | 1, 850   | 942                        | 1, 163 | 1, 158 | 1, 097 |
| Idaho.....                                  | 1, 475                        | 3, 844   | 2, 873   | 3, 244   | 2, 759   | 2, 722   | 1, 500                     | 1, 219 | 1, 044 | 1, 032 |
| <b>Pacific:</b>                             |                               |          |          |          |          |          |                            |        |        |        |
| Washington.....                             | 4, 064                        | 8, 795   | 6, 647   | 7, 430   | 5, 041   | 4, 609   | 1, 698                     | 1, 480 | 1, 009 | 923    |
| Oregon.....                                 | 1, 492                        | 2, 722   | 2, 736   | 3, 064   | 1, 065   | 2, 490   | 1, 050                     | 1, 119 | 855    | 912    |
| California.....                             | 5, 142                        | 7, 187   | 12, 593  | 13, 210  | 7, 962   | 6, 675   | 1, 071                     | 1, 842 | 1, 094 | 928    |

Source: Interstate Commerce Commission.



## No. 442.—REVENUE FREIGHT CARRIED, BY COMMODITY GROUPS

NOTE.—All figures in thousands of tons of 2,000 pounds. Data relate to years ended June 30 prior to 1916, to calendar years thereafter. Switching and terminal roads excluded beginning with 1908. Figures for 1911 to 1915, inclusive, exclude class III roads but this affects the comparability very slightly; those after 1916 exclude both class II and class III, thereby reducing the grand total about 6 percent. Non-revenue freight is excluded; this is a large item in the case of a few commodities, notably coal

| Class of road and year or yearly average | Total       | Prod-ucts of agri-culture | Anim-als and prod-ucts | Products of mines |         | Prod-ucts of forests | Manufactures and miscella-neous |                    |
|------------------------------------------|-------------|---------------------------|------------------------|-------------------|---------|----------------------|---------------------------------|--------------------|
|                                          |             |                           |                        | Coal and coke     | Other   |                      | Carload ship-ments              | Less than car-load |
| I. REVENUE FREIGHT ORIGINATED            |             |                           |                        |                   |         |                      |                                 |                    |
| All roads:                               |             |                           |                        |                   |         |                      |                                 |                    |
| 1906-1910.....                           | 1 930,255   | 73,834                    | 20,000                 | 324,282           | 147,804 | 98,879               | 162,225                         | 38,991             |
| 1911-1915 <sup>1</sup> .....             | 1 1,053,648 | 99,095                    | 25,731                 | 392,808           | 192,058 | 101,143              | 181,161                         | 41,314             |
| Class I:                                 |             |                           |                        |                   |         |                      |                                 |                    |
| 1916.....                                | 1 1,203,367 | 113,635                   | 30,473                 | 420,761           | 250,342 | 93,519               | 231,038                         | 52,911             |
| 1917.....                                | 1 1,204,016 | 104,029                   | 31,858                 | 481,032           | 251,021 | 100,838              | 240,269                         | 53,769             |
| 1918.....                                | 1 1,263,344 | 116,051                   | 35,777                 | 500,769           | 234,027 | 97,266               | 226,077                         | 53,387             |
| 1919.....                                | 1 1,096,111 | 115,033                   | 35,494                 | 399,072           | 190,879 | 94,070               | 210,256                         | 51,302             |
| 1920.....                                | 1 1,255,421 | 110,840                   | 26,595                 | 489,344           | 222,810 | 100,766              | 251,884                         | 53,202             |
| 1921.....                                | 1 940,183   | 114,099                   | 24,263                 | 370,220           | 135,060 | 76,419               | 172,169                         | 41,692             |
| 1922.....                                | 1 1,023,745 | 111,787                   | 26,230                 | 361,846           | 161,152 | 89,059               | 220,442                         | 43,229             |
| 1923.....                                | 1 1,279,030 | 109,818                   | 28,254                 | 471,854           | 241,881 | 115,618              | 267,767                         | 44,338             |
| 1924.....                                | 1 1,187,296 | 110,587                   | 27,747                 | 414,499           | 223,083 | 108,094              | 256,737                         | 40,646             |
| 1925.....                                | 1 1,247,242 | 109,313                   | 28,324                 | 424,403           | 253,933 | 107,391              | 285,291                         | 40,587             |
| 1926.....                                | 1 1,336,142 | 111,787                   | 26,243                 | 480,944           | 270,759 | 104,851              | 296,067                         | 39,491             |
| 1927.....                                | 1 1,281,611 | 113,342                   | 26,003                 | 449,891           | 203,611 | 99,351               | 291,073                         | 38,440             |
| 1928.....                                | 1 1,285,943 | 118,022                   | 25,634                 | 432,206           | 204,287 | 90,737               | 312,013                         | 36,954             |
| 1929.....                                | 1 1,359,091 | 115,343                   | 24,907                 | 459,397           | 278,482 | 94,855               | 330,064                         | 30,043             |
| 1930.....                                | 1 1,153,197 | 110,729                   | 23,129                 | 407,937           | 234,000 | 99,370               | 277,765                         | 20,667             |
| 1931.....                                | 894,186     | 97,487                    | 21,032                 | 339,530           | 162,867 | 43,025               | 207,360                         | 22,773             |
| 1932.....                                | 946,223     | 80,917                    | 18,065                 | 281,224           | 81,002  | 20,109               | 143,682                         | 15,234             |
| 1933.....                                | 698,943     | 81,702                    | 17,651                 | 206,478           | 98,687  | 33,165               | 157,009                         | 14,351             |
| 1934.....                                | 765,296     | 79,306                    | 20,303                 | 323,500           | 112,880 | 35,660               | 179,253                         | 14,345             |
| 1935.....                                | 789,627     | 70,338                    | 15,126                 | 320,628           | 124,808 | 42,483               | 190,506                         | 14,039             |
| Eastern district:                        |             |                           |                        |                   |         |                      |                                 |                    |
| 1933.....                                | 305,305     | 16,518                    | 4,400                  | 188,446           | 27,319  | 3,234                | 88,245                          | 7,143              |
| 1934.....                                | 344,052     | 16,806                    | 4,534                  | 178,648           | 32,673  | 3,675                | 100,508                         | 7,309              |
| 1935.....                                | 340,217     | 17,112                    | 3,960                  | 170,302           | 32,789  | 4,093                | 113,787                         | 7,174              |
| Southern district:                       |             |                           |                        |                   |         |                      |                                 |                    |
| 1933.....                                | 171,701     | 9,926                     | 1,274                  | 110,074           | 16,298  | 10,890               | 20,159                          | 3,106              |
| 1934.....                                | 184,008     | 10,037                    | 1,468                  | 116,735           | 19,527  | 10,769               | 23,043                          | 3,049              |
| 1935.....                                | 190,814     | 9,373                     | 1,370                  | 119,789           | 19,937  | 12,744               | 24,535                          | 3,066              |
| Western district:                        |             |                           |                        |                   |         |                      |                                 |                    |
| 1933.....                                | 221,847     | 55,258                    | 11,977                 | 27,958            | 54,972  | 19,032               | 48,608                          | 4,042              |
| 1934.....                                | 239,630     | 62,403                    | 14,371                 | 28,117            | 60,780  | 21,216               | 65,702                          | 3,987              |
| 1935.....                                | 249,596     | 49,863                    | 9,795                  | 30,537            | 71,782  | 25,646               | 58,184                          | 3,709              |
| II. TOTAL REVENUE FREIGHT <sup>2</sup>   |             |                           |                        |                   |         |                      |                                 |                    |
| All roads:                               |             |                           |                        |                   |         |                      |                                 |                    |
| 1906-1910.....                           | 1 1,673,431 | 150,384                   | 38,769                 | 589,884           | 228,563 | 168,023              | 314,007                         | 59,277             |
| 1911-1915 <sup>1</sup> .....             | 1 1,851,635 | 193,252                   | 44,194                 | 712,193           | 284,499 | 183,292              | 366,669                         | 71,847             |
| Class I:                                 |             |                           |                        |                   |         |                      |                                 |                    |
| 1916-1920.....                           | 1 2,212,267 | 225,505                   | 55,199                 | 820,912           | 349,783 | 193,436              | 460,202                         | 93,550             |
| 1921-1925.....                           | 2 2,068,262 | 221,961                   | 46,065                 | 757,498           | 316,014 | 102,256              | 465,097                         | 66,371             |
| 1926-1930.....                           | 2 2,341,062 | 221,010                   | 45,054                 | 852,777           | 395,987 | 179,554              | 584,457                         | 62,274             |
| 1930.....                                | 2 2,063,078 | 210,971                   | 41,097                 | 749,218           | 349,424 | 130,684              | 530,368                         | 51,516             |
| 1931.....                                | 1 1,606,034 | 187,762                   | 36,549                 | 613,408           | 237,934 | 83,906               | 401,628                         | 40,725             |
| 1932.....                                | 1 1,168,289 | 152,784                   | 34,514                 | 504,111           | 118,226 | 61,813               | 278,384                         | 28,457             |
| 1933.....                                | 1 1,268,823 | 150,763                   | 34,507                 | 520,444           | 149,978 | 62,197               | 304,654                         | 27,230             |
| 1934.....                                | 1 1,309,733 | 150,761                   | 39,240                 | 575,991           | 168,168 | 64,199               | 344,185                         | 27,249             |
| 1935.....                                | 1 1,427,042 | 143,208                   | 30,049                 | 578,848           | 188,114 | 70,535               | 380,324                         | 26,964             |
| Eastern district:                        |             |                           |                        |                   |         |                      |                                 |                    |
| 1933.....                                | 660,061     | 44,959                    | 15,112                 | 337,042           | 59,124  | 14,480               | 165,314                         | 14,060             |
| 1934.....                                | 714,660     | 44,760                    | 15,171                 | 374,777           | 66,029  | 14,353               | 185,474                         | 14,086             |
| 1935.....                                | 740,928     | 43,868                    | 12,943                 | 368,996           | 73,503  | 17,733               | 209,906                         | 13,959             |
| Southern district:                       |             |                           |                        |                   |         |                      |                                 |                    |
| 1933.....                                | 253,681     | 22,920                    | 3,013                  | 138,670           | 23,186  | 17,428               | 42,056                          | 6,408              |
| 1934.....                                | 271,955     | 22,890                    | 3,880                  | 147,120           | 26,854  | 17,198               | 48,172                          | 6,341              |
| 1935.....                                | 282,743     | 21,125                    | 2,984                  | 150,741           | 27,864  | 21,150               | 52,391                          | 6,488              |
| Western district:                        |             |                           |                        |                   |         |                      |                                 |                    |
| 1933.....                                | 355,051     | 82,884                    | 16,382                 | 53,732            | 67,668  | 30,280               | 97,284                          | 8,812              |
| 1934.....                                | 383,119     | 83,602                    | 20,189                 | 54,694            | 75,276  | 32,648               | 110,489                         | 6,822              |
| 1935.....                                | 403,371     | 78,215                    | 14,122                 | 50,111            | 86,747  | 40,632               | 118,027                         | 6,517              |

<sup>1</sup> Includes some undistributed freight. <sup>2</sup> Excluding class III. <sup>3</sup> Including receipts from connecting lines.  
Source: Interstate Commerce Commission.

# No. 443.—REVENUE FREIGHT CARRIED, BY CLASSES OF COMMODITIES: CLASS I CARRIERS

NOTE.—Nonrevenue freight is excluded; this is a large item in the case of a few commodities, notably coal. Switching and terminal roads are excluded

| Commodity                            | Revenue freight originated (thousands of tons of 2,000 pounds) |           |           |         |         |         |         |         |         |         |         |                  | Total revenue freight carried, 1935 (thousands of tons of 2,000 pounds) |                       |  |
|--------------------------------------|----------------------------------------------------------------|-----------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|------------------|-------------------------------------------------------------------------|-----------------------|--|
|                                      | All districts                                                  |           |           |         |         |         |         |         | 1935    |         |         | Eastern district | South-<br>ern district                                                  | West-<br>ern district |  |
|                                      | 1920                                                           | 1925      | 1930      | 1931    | 1932    | 1933    | 1934    | 1935    |         |         |         |                  |                                                                         |                       |  |
| Grand total, carload and l. c. l.    | 1,266,421                                                      | 1,247,242 | 1,163,197 | 894,186 | 646,223 | 698,943 | 765,298 | 780,627 | 349,217 | 190,814 | 249,596 | 740,928          | 282,743                                                                 | 403,371               |  |
| Grand total, carload traffic         | 1,202,219                                                      | 1,206,655 | 1,123,530 | 871,412 | 630,989 | 684,592 | 750,951 | 775,588 | 342,043 | 187,748 | 245,797 | 726,969          | 276,255                                                                 | 396,854               |  |
| Products of agriculture, total       | 110,840                                                        | 109,313   | 110,728   | 97,487  | 80,917  | 81,702  | 79,305  | 76,338  | 17,112  | 9,373   | 49,853  | 43,868           | 21,125                                                                  | 78,216                |  |
| Wheat                                | 23,131                                                         | 21,548    | 25,466    | 26,228  | 19,120  | 16,501  | 16,018  | 15,931  | 3,143   | 569     | 12,219  | 4,490            | 1,476                                                                   | 15,367                |  |
| Corn                                 | 12,689                                                         | 12,680    | 13,986    | 10,728  | 9,544   | 12,310  | 11,427  | 7,806   | 2,411   | 1,057   | 4,338   | 3,850            | 1,438                                                                   | 6,165                 |  |
| Oats                                 | 8,615                                                          | 8,450     | 5,184     | 3,969   | 3,400   | 3,353   | 2,501   | 2,923   | 707     | 267     | 1,949   | 1,345            | 466                                                                     | 2,596                 |  |
| Other grain                          | 5,669                                                          | 4,564     | 4,045     | 2,924   | 2,229   | 2,995   | 3,213   | 3,886   | 464     | 91      | 3,331   | 823              | 307                                                                     | 4,427                 |  |
| Flour and meal                       | 10,962                                                         | 9,901     | 10,546    | 10,067  | 9,319   | 8,997   | 8,932   | 8,649   | 2,387   | 740     | 5,522   | 7,310            | 2,229                                                                   | 7,939                 |  |
| Cereal foods and other mill products | 8,891                                                          | 9,578     | 10,610    | 8,783   | 6,629   | 6,779   | 7,095   | 6,765   | 2,540   | 586     | 3,639   | 5,700            | 1,470                                                                   | 5,392                 |  |
| Hay, straw, and alfalfa              | 7,957                                                          | 5,506     | 3,494     | 2,174   | 1,569   | 1,476   | 2,562   | 1,598   | 355     | 84      | 1,159   | 721              | 272                                                                     | 2,313                 |  |
| Leaf tobacco <sup>1</sup>            | 1,081                                                          | 1,138     | 1,008     | 816     | 642     | 680     | 679     | 647     | 61      | 566     | 20      | 180              | 928                                                                     | 23                    |  |
| Cotton                               | 3,379                                                          | 4,127     | 3,032     | 2,432   | 2,777   | 3,374   | 2,503   | 2,962   | 83      | 1,351   | 1,528   | 735              | 2,801                                                                   | 2,185                 |  |
| Cottonseed and products, except oil  | 4,573                                                          | 5,849     | 5,065     | 3,608   | 3,146   | 2,483   | 2,402   | 2,075   | 23      | 1,075   | 977     | 229              | 1,408                                                                   | 1,723                 |  |
| Citrus fruits                        | 1,404                                                          | 1,363     | 1,734     | 2,378   | 1,965   | 1,823   | 1,818   | 2,017   | 141     | 379     | 1,497   | 1,881            | 1,398                                                                   | 4,495                 |  |
| Other fresh fruits                   | 5,271                                                          | 5,910     | 5,919     | 5,175   | 4,068   | 3,416   | 3,648   | 3,683   | 624     | 927     | 2,132   | 3,342            | 2,237                                                                   | 5,650                 |  |
| Potatoes, except sweet <sup>2</sup>  | 4,118                                                          | 4,614     | 4,332     | 4,114   | 3,418   | 3,466   | 3,804   | 3,383   | 1,415   | 314     | 1,654   | 5,201            | 1,150                                                                   | 4,002                 |  |
| Other fresh vegetables               | 2,205                                                          | 2,828     | 3,262     | 2,927   | 2,575   | 2,449   | 2,687   | 2,464   | 390     | 634     | 1,540   | 2,741            | 1,638                                                                   | 4,987                 |  |
| Dried fruits and vegetables          | 1,165                                                          | 1,533     | 1,674     | 1,426   | 1,258   | 1,239   | 1,260   | 1,347   | 394     | 61      | 892     | 1,067            | 328                                                                     | 1,968                 |  |
| Sugar beets                          | 9,741                                                          | 9,824     | 6,246     | 5,573   | 5,503   | 6,641   | 4,338   | 4,752   | 177     | 4,575   |         |                  | 236                                                                     | 4,975                 |  |
| Other products of agriculture        |                                                                |           | 5,125     | 4,165   | 3,755   | 3,720   | 4,418   | 5,450   | 1,797   | 772     | 2,881   | 4,017            | 1,629                                                                   | 4,008                 |  |
| Animals and products, total          | 26,595                                                         | 26,324    | 23,129    | 21,632  | 18,055  | 17,651  | 20,363  | 15,125  | 3,960   | 1,370   | 9,795   | 12,943           | 2,984                                                                   | 14,122                |  |
| Horses and mules                     | 936                                                            | 544       | 440       | 315     | 230     | 281     | 355     | 347     | 24      | 43      | 280     | 96               | 158                                                                     | 455                   |  |
| Cattle and calves                    | 9,809                                                          | 9,330     | 6,785     | 6,097   | 4,896   | 4,497   | 7,279   | 4,710   | 590     | 432     | 3,688   | 1,453            | 590                                                                     | 5,321                 |  |
| Sheep and goats                      | 1,344                                                          | 1,224     | 1,385     | 1,343   | 1,085   | 1,008   | 1,059   | 1,010   | 120     | 57      | 833     | 393              | 90                                                                      | 1,467                 |  |
| Hogs                                 | 5,421                                                          | 5,502     | 4,902     | 4,501   | 3,884   | 3,608   | 3,004   | 1,643   | 485     | 162     | 996     | 1,015            | 208                                                                     | 1,231                 |  |

<sup>1</sup> Includes refuse, stems, etc., prior to 1930.

<sup>2</sup> "Potatoes" prior to 1930.

| Commodity                                                | Revenue freight originated (thousands of tons of 2,000 pounds) |         |         |         |         |         |         |         |                  |                   |                  |         | Total revenue freight carried, 1935 (thousands of tons of 2,000 pounds) |                   |                  |
|----------------------------------------------------------|----------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|------------------|-------------------|------------------|---------|-------------------------------------------------------------------------|-------------------|------------------|
|                                                          | All districts                                                  |         |         |         |         |         |         |         | 1935             |                   |                  |         | Eastern district                                                        | Southern district | Western district |
|                                                          | 1920                                                           | 1925    | 1930    | 1931    | 1932    | 1933    | 1934    | 1935    | Eastern district | Southern district | Western district |         |                                                                         |                   |                  |
| Animals and products—Continued                           |                                                                |         |         |         |         |         |         |         |                  |                   |                  |         |                                                                         |                   |                  |
| Fresh meats                                              | 2,770                                                          | 2,904   | 2,928   | 2,933   | 2,724   | 2,951   | 3,229   | 2,582   | 789              | 249               | 1,544            | 3,386   | 684                                                                     | 1,856             |                  |
| Other packing-house products                             | 2,206                                                          | 2,139   | 1,970   | 1,833   | 1,632   | 1,585   | 1,584   | 1,081   | 452              | 154               | 475              | 1,102   | 508                                                                     | 768               |                  |
| Poultry                                                  | 264                                                            | 357     | 419     | 416     | 382     | 402     | 877     | 284     | 61               | 30                | 193              | 523     | 46                                                                      | 268               |                  |
| Eggs                                                     | 536                                                            | 591     | 612     | 582     | 424     | 422     | 403     | 322     | 75               | 23                | 224              | 551     | 52                                                                      | 349               |                  |
| Butter and cheese                                        | 425                                                            | 686     | 807     | 768     | 735     | 756     | 771     | 678     | 126              | 36                | 516              | 1,072   | 138                                                                     | 669               |                  |
| Wool                                                     | 293                                                            | 263     | 354     | 388     | 271     | 536     | 237     | 359     | 169              | 13                | 157              | 661     | 50                                                                      | 245               |                  |
| Hides and leather                                        | 1,051                                                          | 1,026   | 847     | 782     | 655     | 794     | 789     | 884     | 455              | 92                | 337              | 1,396   | 210                                                                     | 542               |                  |
| Other animals and products                               | 1,540                                                          | 1,758   | 1,680   | 1,674   | 1,137   | 1,071   | 1,276   | 1,245   | 614              | 79                | 552              | 1,395   | 210                                                                     | 951               |                  |
| Products of mines, total                                 | 712,154                                                        | 678,336 | 642,637 | 501,903 | 362,226 | 395,065 | 436,380 | 445,136 | 203,091          | 139,726           | 102,319          | 442,499 | 178,605                                                                 | 145,858           |                  |
| Anthracite                                               | 78,100                                                         | 58,260  | 71,252  | 65,673  | 55,681  | 56,467  | 68,630  | 60,644  | 60,343           | 107               | 194              | 91,705  | 188                                                                     | 493               |                  |
| Bituminous coal                                          | 389,349                                                        | 346,346 | 322,150 | 263,991 | 218,197 | 230,837 | 244,735 | 249,413 | 102,147          | 118,396           | 28,870           | 265,561 | 148,384                                                                 | 56,396            |                  |
| Coke                                                     | 26,895                                                         | 19,798  | 14,536  | 9,872   | 7,346   | 9,173   | 10,136  | 10,572  | 7,812            | 1,287             | 1,473            | 11,929  | 2,170                                                                   | 2,222             |                  |
| Iron ore                                                 | 84,453                                                         | 72,134  | 59,980  | 31,073  | 5,440   | 26,526  | 27,942  | 34,888  | 1,350            | 1,303             | 32,235           | 22,518  | 1,897                                                                   | 33,115            |                  |
| Copper ore and concentrates                              | 21,550                                                         | 12,289  | 16,525  | 3,903   | 1,658   | 1,545   | 1,680   | 903     | 1                | 4                 | 898              | 42      | 56                                                                      | 1,084             |                  |
| Other ores and concentrates                              |                                                                |         |         |         |         |         |         |         |                  |                   |                  |         |                                                                         |                   |                  |
| Gravel, sand, and stone                                  |                                                                |         |         |         |         |         |         |         |                  |                   |                  |         |                                                                         |                   |                  |
|                                                          | 98,720                                                         | 145,405 | 112,196 | 84,058  | 47,138  | 36,706  | 46,015  | 46,826  | 11,699           | 9,644             | 25,433           | 15,329  | 12,324                                                                  | 30,531            |                  |
| Crude petroleum                                          | 6,435                                                          | 11,245  | 6,598   | 7,448   | 2,803   | 4,702   | 3,381   | 3,495   | 1,136            | 110               | 2,249            | 1,510   | 185                                                                     | 4,345             |                  |
| Asphaltum                                                | 1,424                                                          | 2,531   | 2,925   | 2,746   | 2,583   | 2,407   | 2,729   | 3,049   | 1,911            | 476               | 662              | 3,284   | 830                                                                     | 1,454             |                  |
| Salt                                                     | 3,250                                                          | 3,403   | 2,952   | 2,834   | 2,576   | 2,728   | 2,822   | 2,595   | 1,301            | 18                | 1,276            | 3,401   | 914                                                                     | 2,683             |                  |
| Phosphate rock, crude                                    | 6,997                                                          | 6,925   | 5,712   | 3,930   | 2,891   | 3,817   | 4,403   | 5,108   | 29               | 5,009             | 70               | 143     | 5,416                                                                   | 129               |                  |
| Sulphur                                                  |                                                                |         |         |         |         |         |         |         |                  |                   |                  |         |                                                                         |                   |                  |
| Other products of mines                                  |                                                                |         |         |         |         |         |         |         |                  |                   |                  |         |                                                                         |                   |                  |
|                                                          |                                                                |         | 30,820  | 20,452  | 12,353  | 15,764  | 18,804  | 21,621  | 13,810           | 2,772             | 5,099            | 23,666  | 4,894                                                                   | 7,085             |                  |
| Products of forests, total                               | 100,766                                                        | 107,391 | 89,371  | 48,024  | 28,109  | 38,185  | 35,650  | 42,483  | 4,093            | 12,744            | 25,646           | 17,753  | 21,150                                                                  | 40,632            |                  |
| Logs, posts, poles, piling, and cord-wood                | 38,571                                                         | 45,428  | 28,451  | 14,792  | 7,781   | 11,245  | 12,820  | 15,844  | 394              | 2,865             | 12,585           | 1,150   | 3,431                                                                   | 14,344            |                  |
| Ties                                                     | 5,472                                                          | 4,292   | 3,522   | 1,527   | 958     | 1,174   | 1,711   | 1,546   | 267              | 565               | 714              | 612     | 775                                                                     | 952               |                  |
| Pulp wood                                                | 4,092                                                          | 5,826   | 6,524   | 4,797   | 3,309   | 4,142   | 4,719   | 5,047   | 1,313            | 1,325             | 2,409            | 2,899   | 2,045                                                                   | 3,265             |                  |
| Lumber, shingles, lath, cooperage materials, veneer, etc | 48,618                                                         | 49,019  | 27,800  | 19,497  | 12,418  | 14,491  | 14,178  | 17,875  | 1,366            | 7,019             | 9,490            | 11,395  | 13,427                                                                  | 21,322            |                  |
| Other forest products                                    | 3,112                                                          | 2,826   | 3,074   | 2,411   | 1,643   | 2,113   | 2,222   | 2,171   | 753              | 970               | 448              | 2,206   | 1,472                                                                   | 749               |                  |

| Manufactures and miscellaneous, total.....                                         | 261,864           | 285,291           | 277,785       | 207,388       | 143,682       | 157,009       | 179,263       | 196,506       | 113,787      | 24,535       | 58,184       | 209,906       | 52,861       | 118,027      |
|------------------------------------------------------------------------------------|-------------------|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|---------------|--------------|--------------|
| Refined petroleum and its products.....                                            | 29,616            | 48,273            | 62,901        | 55,615        | 48,707        | 45,464        | 49,666        | 48,718        | 19,666       | 5,532        | 23,520       | 31,570        | 11,293       | 45,620       |
| Vegetable oils.....                                                                | 938               | 1,446             | 1,602         | 1,428         | 1,333         | 1,314         | 1,406         | 1,524         | 426          | 454          | 644          | 1,229         | 895          | 1,174        |
| Sugar, sirup, glucose, and molasses.....                                           | 5,664             | 5,700             | 5,659         | 5,142         | 4,286         | 4,779         | 5,059         | 4,895         | 1,325        | 648          | 2,922        | 2,538         | 2,048        | 5,375        |
| Iron, pig <sup>1</sup> .....                                                       | 16,461            | 14,577            | 5,140         | 3,139         | 1,424         | 2,689         | 2,548         | 3,471         | 2,477        | 699          | 295          | 3,995         | 1,006        | 757          |
| Scrap iron and steel.....                                                          | ( <sup>2</sup> )  | ( <sup>3</sup> )  | 9,901         | 6,032         | 3,444         | 5,993         | 7,173         | 9,517         | 6,670        | 992          | 1,855        | 10,481        | 1,562        | 2,621        |
| Iron and steel (6th class, n. o. s.).....                                          | ( <sup>4</sup> )  | ( <sup>5</sup> )  | 3,680         | 2,081         | 1,298         | 2,313         | 2,597         | 3,666         | 3,615        | 21           | 30           | 4,585         | 60           | 77           |
| Rails, fastenings, frogs, and switches <sup>6</sup> .....                          | 3,047             | 2,646             | 1,778         | 1,063         | 419           | 521           | 1,032         | 891           | 639          | 100          | 150          | 892           | 269          | 359          |
| Iron and steel pipes and fittings <sup>7</sup> .....                               | 27,443            | 29,144            | 6,442         | 4,101         | 1,789         | 1,955         | 2,708         | 2,948         | 2,025        | 398          | 525          | 3,720         | 893          | 2,092        |
| Iron and steel (5th class, n. o. s.) <sup>7</sup> .....                            | ( <sup>8</sup> )  | ( <sup>9</sup> )  | 26,745        | 16,877        | 9,386         | 13,475        | 15,626        | 20,117        | 17,856       | 857          | 1,404        | 29,294        | 2,319        | 5,411        |
| Iron and steel nails and wire.....                                                 | ( <sup>10</sup> ) | ( <sup>11</sup> ) | 1,372         | 1,015         | 669           | 1,040         | 1,024         | 1,307         | 935          | 91           | 281          | 1,737         | 261          | 614          |
| Copper: Ingot, matte, and pig.....                                                 | 5,170             | 5,419             | 665           | 352           | 162           | 215           | 229           | 347           | 197          | 7            | 143          | 677           | 11           | 544          |
| Lead and zinc: Ingot, pig, or bar.....                                             |                   |                   | 1,124         | 908           | 592           | 723           | 833           | 1,011         | 387          | 8            | 616          | 1,204         | 112          | 1,325        |
| Other metals: Pig, bar, sheet, etc.....                                            |                   |                   | 379           | 306           | 118           | 181           | 261           | 284           | 106          | 2            | 177          | 285           | 18           | 267          |
| Machinery and boilers <sup>12</sup> .....                                          | 9,391             | 5,359             | 3,072         | 1,943         | 1,072         | 1,122         | 1,310         | 1,507         | 1,047        | 121          | 339          | 2,187         | 447          | 847          |
| Cement.....                                                                        | 15,400            | 24,516            | 23,180        | 18,392        | 11,201        | 9,509         | 11,870        | 11,454        | 5,037        | 1,631        | 4,726        | 9,987         | 3,241        | 7,426        |
| Brick and artificial stone.....                                                    | 15,251            | 19,668            | 12,595        | 7,723         | 3,574         | 3,516         | 3,970         | 4,595         | 2,550        | 992          | 1,053        | 4,542         | 1,610        | 1,896        |
| Lime and plaster.....                                                              | 4,410             | 6,830             | 3,452         | 2,600         | 1,690         | 1,681         | 1,844         | 2,254         | 1,307        | 327          | 620          | 2,435         | 899          | 1,365        |
| Sewer pipe and drain tile.....                                                     | 2,165             | 2,426             | 1,946         | 1,197         | 624           | 537           | 716           | 673           | 390          | 110          | 173          | 867           | 284          | 315          |
| Agricultural implements and vehicles<br>other than automobiles <sup>13</sup> ..... | 3,324             | 2,281             | 1,657         | 766           | 304           | 353           | 634           | 1,036         | 263          | 88           | 685          | 612           | 318          | 1,349        |
| Automobiles, autotricks, parts, tires,<br>etc.....                                 | 3,427             | 6,980             | 6,624         | 4,286         | 2,317         | 3,144         | 5,087         | 6,021         | 5,668        | 291          | 972          | 10,909        | 1,623        | 4,202        |
| Furniture.....                                                                     | 743               | 970               | 723           | 564           | 353           | 393           | 375           | 473           | 164          | 159          | 150          | 594           | 402          | 416          |
| Beverages.....                                                                     | 1,240             | 841               | 893           | 654           | 351           | 1,170         | 1,057         | 2,048         | 711          | 172          | 1,185        | 1,690         | 537          | 2,197        |
| Ice.....                                                                           | 5,795             | 4,928             | 2,578         | 2,262         | 1,464         | 1,054         | 1,054         | 854           | 247          | 92           | 515          | 275           | 96           | 537          |
| Fertilizers.....                                                                   | 9,204             | 8,463             | 12,302        | 8,594         | 5,025         | 5,137         | 6,283         | 6,940         | 2,214        | 3,482        | 1,244        | 4,075         | 5,341        | 2,193        |
| Printing paper <sup>14</sup> .....                                                 | 3,144             | 3,328             | 3,399         | 2,983         | 2,397         | 2,830         | 2,408         | 2,531         | 1,812        | 164          | 555          | 6,949         | 518          | 2,030        |
| Chemicals and explosives <sup>15</sup> .....                                       | 8,948             | 9,579             | 2,672         | 2,152         | 1,579         | 1,868         | 2,101         | 2,186         | 1,169        | 536          | 481          | 1,861         | 987          | 727          |
| Textiles.....                                                                      | 8,805             | 966               | 710           | 613           | 493           | 581           | 512           | 518           | 120          | 306          | 92           | 482           | 664          | 241          |
| Canned food products.....                                                          | 3,074             | 4,144             | 4,751         | 3,954         | 3,167         | 3,308         | 3,516         | 3,844         | 1,715        | 250          | 1,879        | 4,557         | 822          | 3,891        |
| Furnace slag.....                                                                  |                   |                   | 11,000        | 4,401         | 2,105         | 2,016         | 2,495         | 2,254         | 1,743        | 464          | 47           | 1,935         | 825          | 60           |
| Paper board, pulpboard, and wall<br>board (paper).....                             | 77,814            | 78,807            | 2,241         | 2,037         | 1,581         | 1,874         | 1,812         | 2,021         | 987          | 599          | 435          | 2,513         | 1,160        | 991          |
| Building paper and prepared roofing<br>materials.....                              |                   |                   | 1,687         | 1,234         | 1,102         | 1,119         | 1,184         | 1,506         | 900          | 150          | 456          | 1,727         | 583          | 861          |
| Other manufactures and miscellaneous.....                                          |                   |                   | 54,885        | 43,022        | 31,656        | 35,635        | 39,964        | 44,195        | 29,370       | 4,792        | 10,033       | 59,482        | 11,334       | 20,247       |
| <b>Merchandise—all l. c. l. freight.....</b>                                       | <b>53,202</b>     | <b>40,587</b>     | <b>29,667</b> | <b>22,774</b> | <b>15,234</b> | <b>14,351</b> | <b>14,345</b> | <b>14,089</b> | <b>7,174</b> | <b>3,068</b> | <b>3,799</b> | <b>13,959</b> | <b>6,488</b> | <b>6,517</b> |

<sup>1</sup> "Gravel, sand, and stone" includes clay prior to 1930 which is reported with "Other products of mines" in 1930 and thereafter.

<sup>2</sup> Not reported separately. <sup>3</sup> "Rails and fastenings" prior to 1930.

<sup>4</sup> Includes railway car wheels, axles, and trucks prior to 1930. <sup>5</sup> "Bar, sheet, and structural iron and pipe" prior to 1930.

<sup>6</sup> Includes bloom prior to 1930. <sup>7</sup> Includes castings prior to 1930. <sup>8</sup> "Paper, printed matter, and books" prior to 1930. <sup>9</sup> Data beginning 1930 not comparable with prior years.

Source: Interstate Commerce Commission.

# No. 444.—CAR LOADINGS: AVERAGE WEEKLY LOADINGS OF REVENUE FREIGHT, CLASS I RAILWAYS, BY PRINCIPAL COMMODITY GROUPS

NOTE.—Averages for earlier years for all commodities are: 1918, 857,540; 1919, 804,472; 1920, 867,663; 1921, 756,215; 1922, 830,915; 1923, 957,925; 1924, 933,354; 1925, 986,080; 1926, 1,021,131; 1927, 992,990; 1928, 962,113; 1929, 1,015,922; 1930, 882, 269

| Month          | 1931                   | 1932     | 1933     | 1934     | 1935     | 1931                       | 1932     | 1933     | 1934     | 1935     |
|----------------|------------------------|----------|----------|----------|----------|----------------------------|----------|----------|----------|----------|
|                | Total, all commodities |          |          |          |          | Grain and grain products   |          |          |          |          |
| Year.....      | 714, 447               | 541, 922 | 561, 924 | 583, 192 | 606, 123 | 38, 931                    | 31, 798  | 31, 931  | 31, 662  | 30, 630  |
| January.....   | 718, 303               | 566, 693 | 481, 052 | 545, 770 | 542, 018 | 40, 682                    | 31, 010  | 29, 743  | 29, 197  | 24, 018  |
| February.....  | 708, 530               | 560, 805 | 492, 642 | 578, 619 | 581, 400 | 41, 162                    | 34, 250  | 25, 377  | 30, 991  | 25, 617  |
| March.....     | 734, 232               | 570, 209 | 470, 904 | 613, 522 | 602, 922 | 38, 333                    | 28, 891  | 27, 724  | 29, 651  | 26, 943  |
| April.....     | 751, 573               | 554, 827 | 506, 391 | 585, 115 | 575, 779 | 37, 519                    | 30, 827  | 35, 914  | 26, 496  | 20, 898  |
| May.....       | 739, 696               | 522, 022 | 636, 798 | 611, 591 | 631, 780 | 35, 834                    | 29, 220  | 37, 120  | 28, 107  | 25, 824  |
| June.....      | 747, 983               | 491, 622 | 585, 249 | 616, 929 | 607, 031 | 35, 007                    | 25, 354  | 38, 685  | 34, 881  | 26, 283  |
| July.....      | 738, 472               | 484, 197 | 624, 598 | 587, 754 | 557, 184 | 34, 047                    | 30, 903  | 44, 828  | 42, 780  | 29, 194  |
| August.....    | 747, 627               | 516, 200 | 632, 786 | 614, 573 | 620, 413 | 34, 348                    | 38, 543  | 29, 700  | 39, 759  | 42, 979  |
| September..... | 727, 098               | 573, 474 | 648, 170 | 625, 488 | 657, 890 | 37, 247                    | 37, 501  | 31, 204  | 35, 827  | 40, 551  |
| October.....   | 762, 632               | 633, 612 | 658, 120 | 633, 736 | 720, 481 | 38, 515                    | 33, 527  | 29, 872  | 31, 463  | 37, 027  |
| November.....  | 654, 827               | 547, 482 | 596, 414 | 508, 600 | 635, 889 | 30, 202                    | 27, 800  | 30, 949  | 20, 986  | 31, 322  |
| December.....  | 584, 987               | 496, 656 | 517, 447 | 525, 392 | 579, 046 | 27, 145                    | 26, 468  | 25, 997  | 25, 425  | 27, 272  |
|                | Livestock              |          |          |          |          | Coal                       |          |          |          |          |
| Year.....      | 22, 347                | 18, 258  | 17, 054  | 20, 683  | 13, 741  | 124, 869                   | 102, 672 | 109, 512 | 117, 989 | 118, 219 |
| January.....   | 25, 613                | 22, 070  | 17, 248  | 17, 499  | 14, 479  | 157, 380                   | 115, 176 | 108, 568 | 131, 099 | 137, 045 |
| February.....  | 22, 011                | 19, 034  | 15, 427  | 15, 281  | 12, 380  | 137, 130                   | 114, 093 | 124, 041 | 144, 958 | 143, 423 |
| March.....     | 19, 827                | 16, 632  | 13, 411  | 13, 448  | 11, 575  | 130, 994                   | 121, 254 | 92, 322  | 147, 247 | 136, 019 |
| April.....     | 21, 779                | 18, 699  | 16, 880  | 16, 285  | 12, 884  | 118, 075                   | 92, 291  | 78, 605  | 101, 468 | 94, 750  |
| May.....       | 20, 407                | 17, 146  | 16, 541  | 16, 252  | 12, 943  | 113, 882                   | 74, 026  | 80, 844  | 107, 638 | 93, 435  |
| June.....      | 18, 621                | 14, 612  | 15, 476  | 15, 449  | 10, 170  | 110, 620                   | 66, 098  | 96, 320  | 101, 253 | 124, 208 |
| July.....      | 18, 098                | 14, 881  | 14, 955  | 22, 197  | 9, 875   | 110, 307                   | 72, 259  | 112, 848 | 94, 119  | 79, 586  |
| August.....    | 21, 731                | 16, 871  | 16, 053  | 32, 108  | 12, 891  | 118, 660                   | 84, 616  | 125, 051 | 101, 748 | 98, 264  |
| September..... | 24, 091                | 20, 750  | 20, 289  | 33, 446  | 17, 305  | 124, 251                   | 108, 834 | 128, 614 | 116, 100 | 111, 368 |
| October.....   | 29, 014                | 23, 699  | 23, 221  | 28, 569  | 21, 641  | 145, 437                   | 136, 577 | 128, 754 | 121, 171 | 136, 891 |
| November.....  | 25, 902                | 19, 012  | 20, 451  | 21, 189  | 16, 811  | 121, 376                   | 122, 823 | 127, 098 | 120, 594 | 125, 550 |
| December.....  | 20, 958                | 16, 608  | 15, 087  | 16, 367  | 12, 794  | 115, 418                   | 125, 027 | 115, 962 | 129, 004 | 130, 551 |
|                | Coke                   |          |          |          |          | Ore                        |          |          |          |          |
| Year.....      | 8, 248                 | 4, 303   | 5, 738   | 6, 404   | 6, 652   | 16, 831                    | 4, 048   | 14, 292  | 15, 253  | 19, 099  |
| January.....   | 8, 095                 | 5, 656   | 5, 208   | 7, 740   | 7, 810   | 5, 206                     | 2, 949   | 1, 872   | 3, 106   | 2, 853   |
| February.....  | 8, 744                 | 6, 234   | 6, 285   | 0, 083   | 8, 628   | 5, 567                     | 2, 090   | 1, 804   | 3, 109   | 3, 189   |
| March.....     | 7, 830                 | 6, 090   | 4, 381   | 8, 981   | 6, 658   | 5, 830                     | 2, 047   | 2, 113   | 3, 729   | 3, 698   |
| April.....     | 7, 007                 | 3, 830   | 3, 352   | 5, 780   | 5, 715   | 7, 993                     | 3, 424   | 3, 369   | 7, 180   | 8, 827   |
| May.....       | 6, 486                 | 3, 139   | 3, 884   | 0, 843   | 5, 777   | 17, 320                    | 2, 583   | 7, 664   | 20, 711  | 25, 598  |
| June.....      | 6, 486                 | 2, 887   | 5, 389   | 0, 798   | 0, 042   | 29, 789                    | 3, 547   | 13, 132  | 33, 103  | 31, 807  |
| July.....      | 4, 813                 | 2, 573   | 6, 408   | 4, 408   | 4, 692   | 34, 850                    | 0, 030   | 24, 902  | 31, 340  | 32, 818  |
| August.....    | 4, 555                 | 2, 712   | 6, 712   | 4, 358   | 5, 252   | 35, 000                    | 7, 111   | 30, 180  | 28, 569  | 34, 115  |
| September..... | 4, 783                 | 3, 609   | 7, 030   | 5, 220   | 6, 459   | 80, 270                    | 6, 065   | 39, 011  | 28, 718  | 33, 816  |
| October.....   | 5, 502                 | 4, 890   | 6, 702   | 5, 442   | 7, 554   | 20, 872                    | 6, 521   | 29, 832  | 17, 138  | 32, 424  |
| November.....  | 5, 818                 | 4, 751   | 6, 478   | 5, 175   | 7, 294   | 6, 273                     | 2, 951   | 5, 316   | 5, 798   | 13, 402  |
| December.....  | 5, 758                 | 5, 597   | 6, 748   | 6, 102   | 8, 283   | 3, 505                     | 1, 748   | 2, 938   | 3, 041   | 6, 101   |
|                | Forest products        |          |          |          |          | Miscellaneous and L. C. L. |          |          |          |          |
| Year.....      | 28, 296                | 17, 292  | 21, 170  | 22, 085  | 26, 595  | 476, 638                   | 363, 558 | 362, 229 | 379, 138 | 391, 487 |
| January.....   | 33, 115                | 18, 358  | 13, 946  | 18, 352  | 18, 679  | 447, 308                   | 371, 474 | 307, 467 | 338, 788 | 337, 305 |
| February.....  | 34, 586                | 19, 266  | 13, 800  | 21, 818  | 25, 080  | 450, 322                   | 364, 370 | 305, 247 | 353, 282 | 363, 084 |
| March.....     | 34, 390                | 20, 018  | 15, 313  | 23, 705  | 25, 246  | 407, 010                   | 374, 778 | 315, 641 | 386, 700 | 392, 183 |
| April.....     | 32, 836                | 19, 707  | 17, 456  | 24, 242  | 25, 430  | 423, 868                   | 380, 048 | 350, 555 | 403, 659 | 401, 273 |
| May.....       | 32, 012                | 18, 695  | 21, 019  | 25, 246  | 25, 008  | 512, 834                   | 378, 617 | 365, 570 | 405, 795 | 388, 898 |
| June.....      | 31, 203                | 16, 810  | 26, 004  | 24, 632  | 28, 271  | 517, 260                   | 361, 484 | 390, 242 | 400, 790 | 383, 151 |
| July.....      | 26, 641                | 14, 555  | 26, 918  | 20, 762  | 26, 437  | 489, 107                   | 397, 450 | 393, 591 | 372, 106 | 373, 803 |
| August.....    | 27, 588                | 15, 490  | 27, 671  | 22, 158  | 30, 317  | 495, 745                   | 350, 859 | 390, 812 | 385, 806 | 397, 405 |
| September..... | 26, 053                | 17, 552  | 25, 070  | 22, 069  | 30, 907  | 480, 873                   | 379, 044 | 398, 891 | 361, 111 | 417, 404 |
| October.....   | 24, 432                | 18, 849  | 24, 794  | 22, 390  | 31, 614  | 499, 251                   | 409, 450 | 414, 895 | 407, 675 | 454, 832 |
| November.....  | 21, 822                | 16, 051  | 23, 637  | 20, 723  | 27, 494  | 487, 936                   | 354, 087 | 379, 510 | 368, 965 | 414, 517 |
| December.....  | 16, 986                | 13, 196  | 18, 335  | 18, 295  | 25, 922  | 365, 190                   | 308, 023 | 332, 331 | 328, 159 | 369, 694 |

Source: Association of American Railroads.

## No. 445.—STEAM RAILWAY ACCIDENTS, BY CAUSES

NOTE.—See headnote to table 446

| Cause of accident                                | Killed             |                    |       |       |       | Injured            |                    |        |        |        |
|--------------------------------------------------|--------------------|--------------------|-------|-------|-------|--------------------|--------------------|--------|--------|--------|
|                                                  | 1926-1930, average | 1931-1935, average | 1933  | 1934  | 1935  | 1926-1930, average | 1931-1935, average | 1933   | 1934   | 1935   |
| All accidents.....                               | 6,480              | 4,970              | 5,018 | 4,878 | 5,107 | 39,404             | 29,816             | 27,494 | 28,631 | 28,080 |
| Train accidents.....                             | 308                | 295                | 218   | 256   | 239   | 2,985              | 1,125              | 1,365  | 1,000  | 1,056  |
| Passengers on trains.....                        | 30                 | 8                  | 23    | 12    | 1     | 1,455              | 465                | 557    | 394    | 367    |
| Travelers not on trains.....                     | 164                | 80                 | 66    | 97    | 79    | 1,132              | 373                | 362    | 361    | 372    |
| Employees.....                                   | 114                | 137                | 129   | 147   | 159   | 398                | 287                | 346    | 243    | 314    |
| Other persons.....                               |                    |                    |       |       |       |                    |                    |        |        |        |
| Causes:                                          |                    |                    |       |       |       |                    |                    |        |        |        |
| Collisions.....                                  | 80                 | 32                 | 33    | 33    | 22    | 1,391              | 417                | 635    | 263    | 346    |
| Passengers on trains.....                        | 11                 | 3                  | 14    |       |       | 710                | 222                | 415    | 98     | 159    |
| Travelers not on trains.....                     | 7                  | 25                 | 16    | 30    | 18    | 526                | 144                | 137    | 126    | 146    |
| Employees.....                                   | 80                 | 4                  | 3     | 8     | 4     | 155                | 51                 | 83     | 38     | 41     |
| Other persons.....                               |                    |                    |       |       |       |                    |                    |        |        |        |
| Deraillments.....                                | 139                | 113                | 127   | 142   | 110   | 1,379              | 577                | 610    | 601    | 564    |
| Passengers on trains.....                        | 18                 | 5                  | 9     | 12    |       | 718                | 230                | 238    | 276    | 200    |
| Travelers not on trains.....                     | 66                 | 42                 | 45    | 59    | 38    | 487                | 180                | 190    | 176    | 173    |
| Employees.....                                   | 55                 | 66                 | 73    | 71    | 72    | 173                | 167                | 184    | 148    | 188    |
| Other persons.....                               | 81                 | 80                 | 58    | 81    | 107   | 215                | 131                | 120    | 136    | 146    |
| Other causes.....                                | 1                  |                    |       |       | 1     | 27                 | 13                 | 6      | 20     | 8      |
| Passengers on trains.....                        | 28                 | 12                 | 5     | 8     | 23    | 119                | 48                 | 35     | 59     | 53     |
| Travelers not on trains.....                     | 52                 | 67                 | 53    | 73    | 83    | 69                 | 69                 | 79     | 57     | 85     |
| Employees.....                                   |                    |                    |       |       |       |                    |                    |        |        |        |
| Other persons.....                               |                    |                    |       |       |       |                    |                    |        |        |        |
| Train-service accidents.....                     | 5,796              | 4,592              | 4,598 | 4,396 | 4,650 | 35,395             | 18,219             | 15,107 | 15,446 | 15,535 |
| Passengers on trains.....                        | 63                 | 26                 | 15    | 15    | 17    | 2,208              | 1,525              | 1,315  | 1,476  | 1,505  |
| Travelers not on trains.....                     | 940                | 376                | 354   | 338   | 387   | 23,275             | 7,005              | 6,104  | 6,442  | 6,390  |
| Employees.....                                   | 4,793              | 4,120              | 4,219 | 4,035 | 4,230 | 9,912              | 7,690              | 7,604  | 7,460  | 7,575  |
| Other persons.....                               |                    |                    |       |       |       |                    |                    |        |        |        |
| Causes:                                          |                    |                    |       |       |       |                    |                    |        |        |        |
| Coupling or uncoupling locomotives or cars.....  | 48                 | 15                 | 12    | 17    | 16    | 1,124              | 293                | 246    | 254    | 264    |
| Coupling or uncoupling air hose.....             | 19                 | 10                 | 11    | 7     | 12    | 353                | 134                | 131    | 132    | 107    |
| Operating locomotives.....                       | 18                 | 7                  | 5     | 6     | 11    | 3,731              | 1,007              | 834    | 909    | 845    |
| Operating hand brakes.....                       | 30                 | 14                 | 15    | 14    | 10    | 1,875              | 596                | 514    | 514    | 536    |
| Operating switches.....                          | 1                  | 1                  |       | 1     | 2     | 747                | 202                | 176    | 192    | 186    |
| Contact with fixed structures.....               | 57                 | 59                 | 64    | 54    | 48    | 534                | 258                | 284    | 201    | 184    |
| Getting on or off cars or locomotives.....       | 419                | 440                | 516   | 417   | 346   | 7,084              | 3,689              | 3,785  | 3,358  | 3,250  |
| Highway grade-crossing accidents.....            | 2,315              | 1,521              | 1,446 | 1,442 | 1,554 | 6,400              | 4,135              | 3,607  | 4,182  | 4,443  |
| Struck or run over, not at public crossings..... | 2,267              | 1,726              | 1,792 | 1,725 | 1,794 | 1,721              | 969                | 958    | 904    | 958    |
| Miscellaneous.....                               | 625                | 718                | 737   | 713   | 857   | 11,824             | 4,937              | 4,572  | 4,710  | 4,753  |
| Nontrain accidents.....                          | 376                | 233                | 203   | 227   | 218   | 51,024             | 12,471             | 11,022 | 12,185 | 11,489 |
| Passengers on trains.....                        | 2                  | 3                  | 2     | 4     | 1     | 595                | 540                | 466    | 614    | 577    |
| Travelers not on trains.....                     | 288                | 132                | 112   | 121   | 134   | 48,990             | 10,844             | 9,466  | 10,535 | 9,980  |
| Employees.....                                   | 55                 | 88                 | 89    | 102   | 83    | 1,440              | 1,087              | 1,090  | 1,036  | 932    |
| Other persons.....                               |                    |                    |       |       |       |                    |                    |        |        |        |

¹Excludes persons killed and injured at highway grade crossings in connection with deraillments and miscellaneous train accidents.

Source: Interstate Commerce Commission.

## No. 446.—PERSONS KILLED AND INJURED IN RAILWAY ACCIDENTS

NOTE.—For various reasons, including the fact that returns were required under different acts, the statistics are not strictly comparable. Prior to 1921, train accidents were those causing damage to railway property in excess of \$150 or any damage and a resulting casualty. Thereafter they were considered as such when the damage exceeded \$150 with or without a casualty. Where the damage is less than \$150 and there is a reportable casualty it is classified as a train-service accident. Figures for years 1911-1915 include industrial and other nontrain accidents to employees only, and for years 1908-1910 do not cover switching and terminal roads. Otherwise the statement covers all reportable accidents

| Yearly average or year ended— | Total  |         | Passengers <sup>1</sup> |         | Employees |         | Other persons |         | Trespassers <sup>2</sup> |         |
|-------------------------------|--------|---------|-------------------------|---------|-----------|---------|---------------|---------|--------------------------|---------|
|                               | Killed | Injured | Killed                  | Injured | Killed    | Injured | Killed        | Injured | Killed                   | Injured |
| June 30:                      |        |         |                         |         |           |         |               |         |                          |         |
| 1891-1895.....                | 6,821  | 35,813  | 292                     | 2,907   | 2,315     | 27,051  | 4,214         | 5,294   | -----                    | -----   |
| 1896-1900.....                | 6,946  | 42,248  | 222                     | 3,237   | 2,054     | 32,798  | 4,070         | 5,219   | -----                    | -----   |
| 1901-1905.....                | 9,326  | 72,943  | 392                     | 7,894   | 3,249     | 57,209  | 5,096         | 7,840   | -----                    | -----   |
| 1906-1910.....                | 10,210 | 105,617 | 365                     | 11,026  | 3,672     | 83,502  | 5,252         | 10,491  | -----                    | -----   |
| 1911.....                     | 10,396 | 150,159 | 299                     | 12,042  | 3,602     | 120,039 | 4,495         | 12,078  | -----                    | -----   |
| 1912.....                     | 10,585 | 169,558 | 283                     | 14,058  | 3,635     | 142,442 | 4,067         | 12,158  | -----                    | -----   |
| 1913.....                     | 10,964 | 200,308 | 350                     | 15,130  | 3,715     | 171,417 | 4,899         | 13,761  | -----                    | -----   |
| 1914.....                     | 10,302 | 192,662 | 282                     | 13,887  | 3,259     | 165,212 | 4,811         | 13,563  | -----                    | -----   |
| 1915.....                     | 8,621  | 162,040 | 199                     | 10,914  | 2,152     | 138,092 | 4,270         | 13,034  | -----                    | -----   |
| Dec. 31:                      |        |         |                         |         |           |         |               |         |                          |         |
| 1916.....                     | 10,001 | 196,722 | 246                     | 7,152   | 2,941     | 176,923 | 6,814         | 12,647  | -----                    | -----   |
| 1917.....                     | 10,087 | 194,805 | 301                     | 7,582   | 3,190     | 174,247 | 6,587         | 12,976  | -----                    | -----   |
| 1918.....                     | 9,286  | 174,575 | 471                     | 7,316   | 3,419     | 156,013 | 5,306         | 11,246  | -----                    | -----   |
| 1919.....                     | 6,978  | 149,053 | 273                     | 7,456   | 2,188     | 131,018 | 4,567         | 10,570  | -----                    | -----   |
| 1920.....                     | 6,958  | 168,309 | 229                     | 7,591   | 2,578     | 149,414 | 4,151         | 11,304  | -----                    | -----   |
| 1921.....                     | 6,996  | 120,685 | 205                     | 6,584   | 1,446     | 104,530 | 4,345         | 10,671  | -----                    | -----   |
| 1922.....                     | 6,325  | 134,871 | 203                     | 6,712   | 1,657     | 117,197 | 1,067         | 7,834   | 2,498                    | 3,121   |
| 1923.....                     | 7,385  | 171,712 | 143                     | 6,403   | 2,026     | 152,678 | 2,307         | 9,279   | 2,819                    | 3,297   |
| 1924.....                     | 6,617  | 143,730 | 163                     | 6,023   | 1,543     | 125,310 | 2,300         | 9,268   | 2,621                    | 3,121   |
| 1925.....                     | 6,766  | 137,435 | 176                     | 5,643   | 1,599     | 119,224 | 2,347         | 9,640   | 2,644                    | 2,926   |
| 1926.....                     | 7,090  | 130,235 | 155                     | 5,149   | 1,672     | 111,903 | 2,640         | 10,387  | 2,623                    | 2,798   |
| 1927.....                     | 6,821  | 104,799 | 82                      | 4,560   | 1,566     | 88,223  | 2,519         | 9,020   | 2,654                    | 2,992   |
| 1928.....                     | 6,509  | 85,561  | 85                      | 4,027   | 1,327     | 70,246  | 2,718         | 8,652   | 2,379                    | 2,639   |
| 1929.....                     | 6,406  | 76,995  | 100                     | 4,371   | 1,424     | 60,730  | 2,665         | 9,308   | 2,507                    | 2,578   |
| 1930.....                     | 6,481  | 49,430  | 50                      | 3,180   | 974       | 35,872  | 2,153         | 7,430   | 2,304                    | 2,946   |
| 1931.....                     | 5,009  | 35,656  | 41                      | 2,689   | 676       | 28,358  | 1,081         | 6,288   | 2,401                    | 3,328   |
| 1932.....                     | 4,747  | 20,219  | 28                      | 2,366   | 579       | 17,742  | 1,635         | 5,330   | 2,505                    | 3,786   |
| 1933.....                     | 5,019  | 27,494  | 50                      | 2,522   | 532       | 15,932  | 1,611         | 5,043   | 2,826                    | 3,997   |
| 1934.....                     | 4,879  | 28,631  | 39                      | 2,554   | 556       | 17,338  | 1,630         | 5,583   | 2,654                    | 3,156   |
| 1935.....                     | 5,107  | 28,080  | 26                      | 2,517   | 600       | 16,742  | 1,769         | 5,791   | 2,712                    | 3,030   |

<sup>1</sup> Data cover passengers on trains and travelers not on trains.

<sup>2</sup> Trespassers included with "other persons" prior to 1922.

## No. 447.—CONSUMPTION OF FUEL AND REPLACEMENTS OF RAILS AND TIES: CLASS I CARRIERS

NOTE.—Rails and ties laid in new construction are not included. A short ton is 2,000 pounds; a long ton, 2,240 pounds

|                                                                   | All districts |           |           | 1934             |                   |                  |
|-------------------------------------------------------------------|---------------|-----------|-----------|------------------|-------------------|------------------|
|                                                                   | 1932          | 1933      | 1934      | Eastern district | Southern district | Western district |
| Consumption of fuel by locomotives:                               |               |           |           |                  |                   |                  |
| Anthracite.....1,000 short tons.....                              | 327           | 478       | 608       | 608              | -----             | -----            |
| Bituminous coal.....do.....                                       | 66,408        | 66,198    | 70,496    | 33,603           | 15,863            | 21,030           |
| Fuel oil <sup>1</sup> .....1,000 gallons.....                     | 1,759,124     | 1,709,082 | 1,868,381 | 6,783            | 27,374            | 1,834,224        |
| Hardwood <sup>1</sup> .....cords.....                             | 3,028         | 1,865     | 1,612     | 553              | 1,059             | -----            |
| Softwood <sup>1</sup> .....do.....                                | 23,475        | 19,823    | 18,511    | 6,783            | 1,180             | 10,548           |
| Total, coal equivalent <sup>2</sup><br>.....1,000 short tons..... | 77,869        | 77,884    | 82,811    | 34,256           | 16,027            | 32,598           |
| Rails laid in replacement and betterment:                         |               |           |           |                  |                   |                  |
| Total tonnage.....1,000 long tons.....                            | 797           | 862       | 1,165     | 406              | 283               | 416              |
| Total charges <sup>3</sup> .....1,000 dollars.....                | 28,265        | 28,669    | 37,650    | 14,724           | 9,008             | 13,918           |
| Ties laid in previously constructed tracks:                       |               |           |           |                  |                   |                  |
| Crossties.....thousands.....                                      | 30,190        | 37,296    | 43,306    | 9,670            | 11,093            | 22,334           |
| Switch and bridge ties.....1,000 board feet.....                  | 140,566       | 134,149   | 155,249   | 43,310           | 46,637            | 65,302           |
| Total charges <sup>3</sup> .....1,000 dollars.....                | 50,940        | 44,195    | 51,516    | 16,018           | 11,570            | 23,928           |

<sup>1</sup> The ratio of fuel oil to coal is based upon the experience of the various roads; 1 cord of hardwood equals two-thirds ton of coal; 1 cord of softwood equals one-half ton of coal.

<sup>2</sup> Totals include equivalent of a small amount of miscellaneous fuel.

<sup>3</sup> The total charges shown do not include the labor cost of applying the rails or ties.

Source of tables 446 and 447: Interstate Commerce Commission.

## No. 448.—EXPRESS COMPANIES: INCOME ACCOUNT

NOTE.—In thousands of dollars. Mileage operated by express companies, 1935: Total, 272,608; steam road, 216,147; electric line, 2,394; steamboat line, 24,987; airplane, 19,178; stage line, 9,900. The Railway Express Agency, Inc., operates 262,091 miles, and the Southeastern Express Co., 10,515 miles

| Calendar year                        | Receipts for transportation | Paid for express privileges | Total operating revenues <sup>1</sup> | Operating expenses | Net operating revenues | Express taxes | Operating income <sup>2</sup> | Other income | Net income <sup>3</sup> |
|--------------------------------------|-----------------------------|-----------------------------|---------------------------------------|--------------------|------------------------|---------------|-------------------------------|--------------|-------------------------|
| <b>American Railway Express Co.:</b> |                             |                             |                                       |                    |                        |               |                               |              |                         |
| 1921                                 | 294,664                     | 113,491                     | 184,897                               | 182,265            | 2,631                  | 2,095         | 508                           | 2,074        | 2,309                   |
| 1925                                 | 290,303                     | 143,832                     | 149,715                               | 140,433            | 3,282                  | 2,069         | 1,195                         | 1,088        | 2,184                   |
| 1927                                 | 284,513                     | 139,494                     | 148,730                               | 145,467            | 3,263                  | 2,197         | 1,060                         | 1,204        | 2,207                   |
| 1928                                 | 281,545                     | 141,288                     | 143,877                               | 140,075            | 3,202                  | 2,038         | 1,166                         | 1,216        | 2,321                   |
| 1929 <sup>4</sup>                    | 41,104                      | 18,554                      | 23,083                                | 22,560             | 523                    | 327           | 193                           | 193          | 381                     |
| <b>Railway Express Agency, Inc.:</b> |                             |                             |                                       |                    |                        |               |                               |              |                         |
| 1929 <sup>4</sup>                    | 242,216                     | 127,591                     | 117,628                               | 115,535            | 2,093                  | 1,343         | 734                           | 687          | 20                      |
| 1930                                 | 237,488                     | 112,306                     | 128,470                               | 125,821            | 2,649                  | 1,375         | 1,259                         | 509          | 30                      |
| 1931                                 | 192,044                     | 81,221                      | 113,997                               | 111,181            | 2,816                  | 1,243         | 1,457                         | 302          | 5                       |
| 1932                                 | 137,703                     | 53,085                      | 87,436                                | 84,513             | 2,923                  | 1,350         | 1,413                         | 234          | 5                       |
| 1933                                 | 115,073                     | 44,408                      | 70,503                                | 73,416             | 3,087                  | 1,624         | 1,635                         | 186          | 5                       |
| 1934                                 | 130,953                     | 50,530                      | 82,007                                | 79,756             | 3,151                  | 1,618         | 1,612                         | 150          | 4                       |
| 1935                                 | 138,751                     | 53,170                      | 85,098                                | 84,899             | 3,199                  | 1,548         | 1,603                         | 148          | 4                       |
| <b>Southeastern Express Co.:</b>     |                             |                             |                                       |                    |                        |               |                               |              |                         |
| 1921 <sup>5</sup>                    | 4,374                       | 1,649                       | 2,781                                 | 2,719              | 61                     | 25            | 37                            | 10           | 47                      |
| 1925                                 | 8,041                       | 3,912                       | 4,241                                 | 4,086              | 155                    | 86            | 87                            | 20           | 87                      |
| 1927                                 | 8,176                       | 3,971                       | 4,342                                 | 4,188              | 154                    | 86            | 62                            | 28           | 90                      |
| 1928                                 | 7,870                       | 3,738                       | 4,208                                 | 4,126              | 142                    | 100           | 40                            | 30           | 70                      |
| 1929                                 | 8,007                       | 3,900                       | 4,244                                 | 4,098              | 146                    | 110           | 35                            | 38           | 73                      |
| 1930                                 | 6,704                       | 2,940                       | 3,036                                 | 3,808              | 133                    | 97            | 35                            | 35           | 70                      |
| 1931                                 | 5,603                       | 2,117                       | 3,585                                 | 3,443              | 142                    | 89            | 51                            | 17           | 68                      |
| 1932                                 | 4,174                       | 1,420                       | 2,648                                 | 2,726              | 122                    | 78            | 49                            | 21           | 64                      |
| 1933                                 | 4,323                       | 1,537                       | 2,905                                 | 2,769              | 136                    | 94            | 38                            | 15           | 53                      |
| 1934                                 | 5,060                       | 2,040                       | 3,135                                 | 3,003              | 132                    | 96            | 35                            | 11           | 46                      |
| 1935                                 | 5,520                       | 2,234                       | 3,408                                 | 3,250              | 156                    | 96            | 57                            | 3            | 60                      |

<sup>1</sup> Includes revenues from sources other than transportation.

<sup>2</sup> Deducting, besides taxes, a small amount of uncollectible revenue.

<sup>3</sup> Sum of two preceding columns less deductions.

<sup>4</sup> Result of operations for 2 months ended Feb. 28, 1929.

<sup>5</sup> Result of operations for 10 months ended Dec. 31, 1929.

<sup>6</sup> Deficit.

<sup>7</sup> Result of operations for 8 months ended Dec. 31, 1921.

## No. 449.—THE PULLMAN CO.: ABSTRACT OF OPERATIONS

[All money figures in thousands of dollars]

| Year ended— | Gross revenues, car operations | Association revenues, debtor | Contract revenues, debtor <sup>1</sup> | Expenses, car operations |                           | Net revenues, car operation | Operating income | Revenue passengers carried |                    |
|-------------|--------------------------------|------------------------------|----------------------------------------|--------------------------|---------------------------|-----------------------------|------------------|----------------------------|--------------------|
|             |                                |                              |                                        | Total                    | Conducting car operations |                             |                  | Thousands                  | Number per car-day |
| June 30:    |                                |                              |                                        |                          |                           |                             |                  |                            |                    |
| 1910        | 35,384                         | 66                           | 893                                    | 23,902                   | ( <sup>2</sup> )          | 11,372                      | 13,151           | 20,203                     | 14                 |
| 1916        | 38,723                         | 467                          | 1,964                                  | 20,638                   | 11,710                    | 12,090                      | 10,816           | 24,252                     | 12                 |
| Dec. 31:    |                                |                              |                                        |                          |                           |                             |                  |                            |                    |
| 1919        | 69,071                         | —                            | 31                                     | 49,618                   | 26,392                    | 20,458                      | 19,194           | 37,346                     | 15                 |
| 1920        | 72,124                         | —                            | 13,155                                 | 61,031                   | 30,905                    | 11,098                      | 9,304            | 39,255                     | 16                 |
| 1921        | 64,459                         | —                            | 7,079                                  | 64,744                   | 28,136                    | 5,905                       | 5,277            | 31,225                     | 13                 |
| 1922        | 65,582                         | —                            | 8,579                                  | 58,029                   | 26,022                    | 12,553                      | 8,540            | 31,748                     | 13                 |
| 1923        | 72,576                         | —                            | 8,555                                  | 55,885                   | 27,865                    | 10,691                      | 12,289           | 34,249                     | 13                 |
| 1924        | 72,768                         | —                            | 9,075                                  | 61,609                   | 30,023                    | 11,149                      | 7,765            | 34,086                     | 12                 |
| 1925        | 80,198                         | —                            | 8,873                                  | 63,513                   | 32,247                    | 16,085                      | 12,546           | 35,526                     | 12                 |
| 1926        | 81,834                         | —                            | 9,468                                  | 68,204                   | 35,009                    | 13,030                      | 9,565            | 36,073                     | 11                 |
| 1927        | 80,922                         | —                            | 8,906                                  | 66,503                   | 34,849                    | 14,449                      | 10,360           | 35,197                     | 11                 |
| 1928        | 80,846                         | —                            | 8,804                                  | 66,656                   | 34,935                    | 14,190                      | 10,363           | 33,924                     | 11                 |
| 1929        | 82,384                         | —                            | 8,704                                  | 69,490                   | 36,191                    | 12,894                      | 9,135            | 33,434                     | 10                 |
| 1930        | 76,234                         | —                            | 5,534                                  | 68,900                   | 35,379                    | 7,274                       | 4,087            | 29,360                     | 9                  |
| 1931        | 62,558                         | —                            | 2,673                                  | 57,243                   | 27,389                    | 5,315                       | 3,009            | 22,985                     | 8                  |
| 1932        | 43,366                         | —                            | 1,550                                  | 42,465                   | 19,276                    | 901                         | 3,584            | 13,717                     | 8                  |
| 1933        | 38,436                         | —                            | 1,325                                  | 37,888                   | 16,358                    | 543                         | 400              | 15,105                     | 8                  |
| 1934        | 44,070                         | —                            | 2,361                                  | 41,976                   | 17,527                    | 2,094                       | 1,647            | 15,479                     | 8                  |
| 1935        | 48,428                         | —                            | 2,688                                  | 46,077                   | 19,720                    | 3,649                       | —                | —                          | —                  |

<sup>1</sup> Amounts due other carriers under the provisions of definite contracts. <sup>2</sup> Not separated. <sup>3</sup> Deficit.

Source of tables 448 and 449: Interstate Commerce Commission.



**No. 450.—THE ALASKA RAILROAD TRAFFIC: ANALYSIS OF STATISTICS OF PASSENGER AND FREIGHT SERVICES, YEARS ENDED JUNE 30**

|                                                               | 1934      | 1935      |                                                       | 1934       | 1935        |
|---------------------------------------------------------------|-----------|-----------|-------------------------------------------------------|------------|-------------|
| Road mileage operated—<br>monthly average.....                | 502       | 501.1     | <b>FREIGHT TRAFFIC</b>                                |            |             |
| <b>PASSENGER TRAFFIC</b>                                      |           |           | Freight train-miles.....                              | 67,148     | 71,447      |
| Passenger train-miles <sup>1</sup> .....                      | 66,304    | 66,442    | Mixed train-miles.....                                | 6,010      | 7,059       |
| Mixed train-miles.....                                        | 6,010     | 7,059     | Loaded cars, 1 mile, freight<br>and mixed trains..... | 1,124,200  | 1,208,261   |
| Passenger car-miles, passen-<br>ger trains <sup>1</sup> ..... | 172,399   | 180,383   | Empty cars, 1 mile, freight<br>and mixed trains.....  | 778,817    | 858,014     |
| Passenger car-miles, mixed<br>trains.....                     | 5,816     | 7,096     | All cars, 1 mile.....                                 | 1,903,017  | 2,066,275   |
| Total revenue passengers car-<br>ried.....                    | 15,824    | 23,310    | Tons of revenue freight car-<br>ried:                 |            |             |
| Revenue passengers carried<br>1 mile.....                     | 2,004,534 | 3,184,778 | Coal.....                                             | 65,009     | 73,060      |
| Total passenger revenue.....                                  | \$113,524 | \$166,086 | Miscellaneous.....                                    | 28,503     | 36,154      |
| Average revenue per passen-<br>ger per mile.....              | \$0.05693 | \$0.05215 | Tons of revenue freight car-<br>ried 1 mile.....      | 16,128,792 | 18,824,470  |
|                                                               |           |           | Total freight revenue.....                            | \$964,918  | \$1,091,446 |
|                                                               |           |           | Average revenue per ton per<br>mile.....              | \$0.05983  | \$0.05798   |

<sup>1</sup> Including motor miles.

Source: Department of the Interior.

**No. 451.—ELECTRIC RAILWAYS: SUMMARY OF OPERATIONS**

NOTE.—This table does not include the electric operations of steam railway companies nor motor-bus operations of electric railways; for motor-bus statistics see table 450. Many electric railway companies also engage in other operations, especially in the sale of current for light and power; wherever possible, such light and power business has been excluded, but for numerous companies this is impossible. No distribution can be made in the statistics between purely urban street railways and suburban and interurban lines. The insignificant amount of business still conducted by cable and animal traction is included, as well as some operations conducted by primarily electric railways by means of steam traction and gasoline engine cars. Mileage figures expressed in nearest mile

|                                                                | 1899      | 1902      | 1912      | 1917       | 1922       | 1927       | 1932      |
|----------------------------------------------------------------|-----------|-----------|-----------|------------|------------|------------|-----------|
| Number of companies.....                                       | 789       | 987       | 1,260     | 1,307      | 1,200      | 1,963      | 1,706     |
| Miles of line operated <sup>2</sup> .....                      | 5,783     | 16,645    | 30,438    | 32,548     | 31,264     | 27,948     | 20,110    |
| Miles of single track operated <sup>2</sup> .....              | 8,123     | 22,677    | 41,065    | 44,836     | 43,932     | 40,722     | 31,548    |
| Operated by:                                                   |           |           |           |            |            |            |           |
| Electricity.....                                               | 1,262     | 21,902    | 40,808    | 44,677     | 43,789     | 40,585     | 31,432    |
| Cable.....                                                     | 488       | 241       | 56        | 46         | 40         | 43         | 39        |
| Animal traction.....                                           | 5,661     | 259       | 58        | 11         | 4          | —          | —         |
| Steam.....                                                     | 711       | 170       | 76        | 41         | 1          | 17         | 72        |
| Gasoline-engine cars.....                                      | —         | 86        | 66        | 56         | 486        | 477        | 4         |
| Gravity.....                                                   | —         | —         | —         | 6          | 6          | —          | —         |
| Value of road and equipment<br>(thousand dollars).....         | 389,357   | 2,167,634 | 4,590,563 | 5,136,442  | 5,058,762  | (5)        | 4,143,381 |
| Number of employees.....                                       | 70,764    | 140,769   | 282,451   | 294,826    | 300,119    | 264,675    | 182,165   |
| Number of passenger cars.....                                  | 32,505    | 60,290    | 76,162    | 70,914     | 77,301     | 70,309     | 56,692    |
| Revenue passengers, including<br>pay transfer (thousands)..... | 2,023,010 | 4,774,212 | 9,545,555 | 11,304,660 | 12,666,558 | 12,174,592 | 7,955,981 |
| Operating revenues (thou-<br>sand dollars) <sup>3</sup> .....  | 90,617    | 247,554   | 587,512   | 709,825    | 1,016,719  | 927,774    | 566,290   |
| Operating expenses (thou-<br>sand dollars) <sup>3</sup> .....  | 62,011    | 142,313   | 332,896   | 452,595    | 727,795    | 694,460    | 442,807   |
| Operating ratio (per cent).....                                | 68.4      | 57.6      | 58.7      | 63.8       | 71.6       | 74.9       | 78.2      |

<sup>1</sup> Includes companies maintaining separate organizations, though leased to and controlled through stock ownership by other companies, largely in Pennsylvania. In 1912 these companies were treated as merged and not included in the number reported.

<sup>2</sup> Includes small mileage of track lying outside the United States.

<sup>3</sup> Compressed air.

<sup>4</sup> Includes 1.26 miles of nonelectric track in 1922, 1.20 miles in 1927.

<sup>5</sup> Complete data not available. In 1927 a number of composite companies included the value of electric railway road and equipment in the value of their entire plant and equipment reported on their combined balance sheet on the light and power schedule and advised that this could not be separated. Statistics for Central Light and Power Stations include their combined figures.

<sup>6</sup> Including revenues and expenses from auxiliary operations, except in 1932. Prior to 1927, auxiliary operations include data for electric light and power departments of electric railways; beginning with 1927, such data for most companies have been reported on separate schedules and are included in the statistics for "Central Electric Light and Power Stations."

Source: Bureau of the Census, Department of Commerce.

## No. 452.—ELECTRIC RAILWAYS: MILEAGE, EQUIPMENT, OUTPUT OF ELECTRICITY, TRAFFIC, EMPLOYEES, AND SALARIES AND WAGES

NOTE.—See headnote to table 451

|                                                           | All companies |            |            |            |           | Surface lines |           |
|-----------------------------------------------------------|---------------|------------|------------|------------|-----------|---------------|-----------|
|                                                           | 1912          | 1917       | 1922       | 1927       | 1932      | 1927          | 1932      |
| Number of operating companies.....                        | 975           | 943        | 858        | 682        | 485       | 678           | 478       |
| Miles of single track <sup>1</sup> .....                  | 41,085        | 44,835     | 43,932     | 40,722     | 31,548    | 39,851        | 30,519    |
| First track (length of line).....                         | 30,438        | 32,548     | 31,264     | 27,948     | 20,110    | 27,667        | 19,783    |
| Second and other tracks.....                              | 10,627        | 12,288     | 12,668     | 12,775     | 11,437    | 12,184        | 10,736    |
| Electric track with:                                      |               |            |            |            |           |               |           |
| Overhead trolley.....                                     | 38,958        | 42,491     | 41,418     | 38,246     | 29,448    | 33,225        | 29,379    |
| Third rail and conduit trolley.....                       | 1,747         | 2,051      | 2,314      | 2,270      | 1,886     | 1,419         | 1,927     |
| Other (electric).....                                     | 103           | 137        | 78         | 195        | 102       | 195           | 102       |
| Number of cars.....                                       | 94,016        | 102,603    | 99,255     | 93,248     | 79,984    | 84,592        | 67,339    |
| Passenger.....                                            | 76,162        | 79,914     | 77,301     | 70,309     | 59,632    | 61,881        | 50,593    |
| Express, freight, and mail.....                           | 7,794         | 11,634     | 11,409     | 13,337     | 12,509    | 18,337        | 9,266     |
| Service cars.....                                         | 10,060        | 11,155     | 10,548     | 9,600      | 7,783     | 9,374         | 7,480     |
| Number of electric locomotives.....                       | 277           | 357        | 404        | 462        | 609       | 455           | 404       |
| Horsepower of power-plant equipment: <sup>2</sup>         |               |            |            |            |           |               |           |
| Steam turbines.....                                       | 3,661,385     | 4,200,192  | 4,119,306  | 2,025,821  | 1,530,395 | (3)           | 1,030,395 |
| Other steam engines <sup>4</sup> .....                    | 1,462,800     | 2,322,692  | 2,855,006  | 1,561,457  | 1,244,423 | (4)           | 864,423   |
| Internal-combustion engines.....                          | 1,703,068     | 1,221,223  | 827,027    | 420,889    | 252,422   | (5)           | 132,422   |
| Water wheels and turbines.....                            | 24,190        | 28,294     | 32,495     | 7,700      | 3,500     | (6)           | 3,500     |
| Kilowatt capacity of generators <sup>3</sup> .....        | 471,807       | 627,983    | 403,778    | 35,775     | 30,050    | (7)           | 30,050    |
| Electric energy (1,000 kilowatt-hours) <sup>3</sup> ..... | 2,505,816     | 2,624,779  | 2,972,834  | 1,470,904  | 1,126,714 | (8)           | 751,714   |
| Generated <sup>3</sup> .....                              | 9,020,018     | 12,187,851 | 12,405,053 | 9,389,597  | 7,343,517 | (9)           | 5,935,175 |
| Purchased.....                                            | 6,002,659     | 7,240,503  | 6,473,451  | 2,975,863  | 2,433,176 | (9)           | 1,205,000 |
| Passengers carried (thousands) <sup>5</sup> .....         | 3,017,959     | 4,947,348  | 5,931,602  | 6,413,784  | 4,910,341 | (9)           | 4,670,175 |
| Revenue passengers, including pay transfer.....           | 12,135,342    | 14,506,915 | 15,381,400 | 14,901,435 | 9,888,535 | 12,875,849    | 7,849,091 |
| Free-transfer passengers.....                             | 9,545,555     | 11,304,661 | 12,066,558 | 12,174,592 | 7,955,981 | 9,953,798     | 5,922,363 |
| Free passengers.....                                      | 2,423,018     | 3,021,138  | 2,490,570  | 2,571,249  | 1,827,553 | 2,670,937     | 1,827,308 |
| Revenue car mileage (thousands) <sup>6</sup> .....        | 165,869       | 181,116    | 188,272    | 155,594    | 105,022   | 154,114       | 99,420    |
| Passenger.....                                            | 1,921,620     | 2,139,802  | 2,124,523  | 2,103,773  | 1,690,194 | 1,786,660     | 1,293,314 |
| Express, freight, and mail.....                           | 1,585,870     | 2,087,819  | 2,068,294  | 2,084,566  | 1,650,726 | 1,707,355     | 1,253,846 |
| Average number of revenue passengers:                     | 35,750        | 51,983     | 56,220     | 79,207     | 30,468    | 79,207        | 30,468    |
| Per mile of all track <sup>7</sup> .....                  | 232,556       | 252,323    | 288,600    | 299,733    | 271,258   | 259,826       | 208,433   |
| Per passenger-car hour.....                               | 48.38         | 53.69      | 61.14      | 59.68      | 54.33     | 67.66         | 48.70     |
| Revenue car-hours (thousands) <sup>8</sup> .....          | 190,478       | 203,057    | 201,838    | 202,513    | 148,649   | 178,837       | 123,805   |
| Passenger.....                                            | 187,590       | 199,053    | 197,146    | 195,464    | 146,443   | 172,788       | 121,600   |
| Express, freight, and mail.....                           | 2,888         | 4,004      | 4,692      | 6,049      | 2,206     | 6,049         | 2,206     |
| Salaried employees:                                       |               |            |            |            |           |               |           |
| Number.....                                               | 23,271        | 27,151     | 30,239     | 27,845     | 20,260    | 26,374        | 18,448    |
| Salaries (thousand dollars).....                          | 26,129        | 33,910     | 57,489     | 56,647     | 40,147    | 52,770        | 35,621    |
| Wage earners:                                             |               |            |            |            |           |               |           |
| Number.....                                               | 259,190       | 267,675    | 269,880    | 236,730    | 161,905   | 203,775       | 131,923   |
| Wages (thousand dollars).....                             | 174,762       | 233,331    | 387,643    | 380,975    | 241,686   | 333,695       | 191,224   |
| Conductors and motormen:                                  |               |            |            |            |           |               |           |
| Number.....                                               | 131,321       | 136,184    | 130,224    | 113,180    | 78,928    | 108,680       | 74,173    |
| Wages (thousand dollars).....                             | 95,452        | 127,222    | 204,600    | 196,636    | 121,752   | 187,149       | 112,475   |
| Other wage earners:                                       |               |            |            |            |           |               |           |
| Number.....                                               | 127,869       | 131,491    | 139,656    | 123,550    | 82,977    | 100,095       | 57,750    |
| Wages (thousand dollars).....                             | 79,311        | 106,109    | 182,953    | 184,341    | 119,934   | 146,546       | 78,749    |

<sup>1</sup> Mileage expressed in nearest mile. Figures include track lying outside the United States (1912, 32 miles; 1917, 1922, and 1927, 27 miles; 1932, 24 miles).

<sup>2</sup> In 1927 overhead trolley includes 25 miles of surface lines operated by both overhead trolley and gas-electric motor cars; in 1932, includes 2 miles operated by both overhead trolley and conduit and 2 miles operated by both overhead trolley and oil-electric motor cars.

<sup>3</sup> Figures for power-plant equipment, capacity of generators, and output of stations in 1927 and 1932 are not comparable with those in prior years, as companies that formerly reported these data as auxiliary operations on railway schedules furnished separate and complete reports for light and power operations in 1927 and 1932. These are included in the statistics for "Central Electric Light and Power Stations". The number of companies that reported power-plant equipment in 1912 was 494; in 1917, 355; in 1922, 232; in 1927, 70; in 1932, 39.

<sup>4</sup> Includes 33 units with 41,100 horsepower of idle equipment in 1927 and 18 units with 63,167 horsepower of idle equipment in 1932.

<sup>5</sup> Not shown separately.

<sup>6</sup> Not including passengers carried by motor busses operated by electric railway companies (16,120,000 in 1922; 214,694,000 in 1927; 380,543,000 in 1932).

<sup>7</sup> Exclusive of idle track and freight and switching roads for all years except 1932.

Source: Bureau of the Census, Department of Commerce.

## No. 453.—ELECTRIC RAILWAYS:

NOTE.—See headnote to table 451. The track mileage represents that actually lying in each State, but all ducted in other States. The differences among the States in the relation of passengers carried to of interurban as against purely urban traffic. Data for motor-bus lines represent those operated Revenue car mileage represents passenger, express, freight, and mail-car mileage

| Division and State | Miles of track lying in State or division <sup>1</sup> |        |        |        | Revenue passengers carried by companies domiciled in State (thousands) |                   |            |                     |                   |                 |
|--------------------|--------------------------------------------------------|--------|--------|--------|------------------------------------------------------------------------|-------------------|------------|---------------------|-------------------|-----------------|
|                    | 1912                                                   | 1922   | 1927   | 1932   | 1912                                                                   | 1922 <sup>2</sup> | 1927       |                     | 1932 <sup>3</sup> |                 |
|                    |                                                        |        |        |        |                                                                        |                   | Car lines  | Motor-bus lines     | Car lines         | Motor-bus lines |
| United States      | 41,083                                                 | 43,905 | 40,698 | 31,524 | 9,545,555                                                              | 12,679,349        | 12,174,692 | 167,781             | 7,955,981         | 753,784         |
| New England        | 5,299                                                  | 5,049  | 3,931  | 2,443  | 1,051,162                                                              | 1,137,106         | 810,455    | 54,621              | 530,912           | 132,201         |
| Maine              | 530                                                    | 566    | 501    | 276    | 47,049                                                                 | 50,010            | 32,499     | 75                  | 14,403            | (4)             |
| N. Hampshire       | 268                                                    | 263    | 166    | 90     | 23,873                                                                 | 19,550            | 10,807     | 113                 | 4,839             | -----           |
| Vermont            | 121                                                    | 117    | 63     | 17     | 8,136                                                                  | 6,950             | 3,691      | 70                  | (5)               | -----           |
| Massachusetts      | 2,951                                                  | 2,688  | 2,071  | 1,305  | 705,918                                                                | 732,447           | 604,961    | 45,918              | 368,294           | 88,063          |
| Rhode Island       | 435                                                    | 403    | 304    | 183    | 94,086                                                                 | 143,009           | 105,210    | 8,447               | 143,376           | 44,148          |
| Connecticut        | 993                                                    | 1,011  | 836    | 672    | 172,300                                                                | 185,040           | 153,297    | -----               | -----             | -----           |
| Middle Atlantic    | 10,064                                                 | 10,519 | 9,473  | 6,922  | 3,513,721                                                              | 4,078,230         | 5,172,379  | 174                 | 3,840,352         | 305,099         |
| New York           | 4,485                                                  | 4,737  | 4,348  | 3,243  | 2,126,964                                                              | 3,090,878         | 3,407,410  | 162                 | 2,900,373         | 49,826          |
| New Jersey         | 1,309                                                  | 1,342  | 1,068  | 716    | 356,858                                                                | 466,819           | 466,444    | 12                  | 175,170           | 255,243         |
| Pennsylvania       | 4,270                                                  | 4,440  | 4,032  | 2,963  | 1,029,899                                                              | 1,420,533         | 1,368,525  | -----               | 764,809           | -----           |
| E. N. Central      | 11,884                                                 | 12,431 | 11,802 | 8,183  | 2,169,621                                                              | 2,981,417         | 2,886,084  | 55,908 <sup>1</sup> | 1,726,160         | 148,358         |
| Ohio               | 3,999                                                  | 3,974  | 3,486  | 2,513  | 632,332                                                                | 872,164           | 720,069    | 24,552              | 420,642           | 69,764          |
| Indiana            | 2,323                                                  | 2,305  | 2,330  | 1,683  | 173,019                                                                | 241,873           | 201,070    | 7,580               | 97,838            | 10,302          |
| Illinois           | 3,186                                                  | 3,416  | 3,238  | 2,456  | 932,668                                                                | 1,128,105         | 1,257,594  | 10,282              | 821,260           | 16,655          |
| Michigan           | 1,526                                                  | 1,817  | 1,779  | 879    | 286,956                                                                | 557,900           | 621,774    | 1,020               | 209,864           | 36,560          |
| Wisconsin          | 849                                                    | 919    | 909    | 751    | 134,646                                                                | 181,375           | 179,577    | 11,572              | 116,566           | 25,067          |
| W. N. Central      | 3,031                                                  | 3,604  | 3,556  | 3,149  | 787,801                                                                | 942,887           | 758,333    | 3,399               | 402,737           | 30,176          |
| Minnesota          | 538                                                    | 681    | 723    | 616    | 186,918                                                                | 262,781           | 207,476    | -----               | 121,236           | (7)             |
| Iowa               | 784                                                    | 999    | 982    | 891    | 93,418                                                                 | 95,494            | 66,833     | 1,675               | 32,160            | 4,948           |
| Missouri           | 959                                                    | 1,098  | 1,054  | 956    | 402,210                                                                | 464,003           | 407,210    | 407                 | 208,325           | 15,192          |
| North Dakota       | 19                                                     | 21     | 19     | 13     | 2,862                                                                  | 3,378             | 2,893      | -----               | 1,331             | (7)             |
| South Dakota       | 22                                                     | 17     | 16     | -----  | 1,657                                                                  | 2,023             | 736        | 510                 | -----             | -----           |
| Nebraska           | 214                                                    | 206    | 192    | 157    | 64,709                                                                 | 76,846            | 51,890     | 132                 | 30,119            | 4,175           |
| Kansas             | 464                                                    | 581    | 570    | 518    | 35,527                                                                 | 37,742            | 21,245     | 675                 | 9,507             | 5,861           |
| South Atlantic     | 2,900                                                  | 3,191  | 3,063  | 2,734  | 616,726                                                                | 830,514           | 743,305    | 8,401               | 416,799           | 46,579          |
| Delaware           | 99                                                     | 96     | 83     | 56     | 18,024                                                                 | 20,800            | 18,901     | -----               | -----             | -----           |
| Maryland           | 720                                                    | 768    | 731    | 667    | 186,828                                                                | 248,594           | 227,918    | -----               | 221,417           | 10,614          |
| Dist. of Col.      | 188                                                    | 199    | 185    | 187    | 114,100                                                                | 136,242           | 136,888    | 7,469               | -----             | -----           |
| Virginia           | 561                                                    | 554    | 541    | 456    | 91,880                                                                 | 110,289           | 100,761    | -----               | 62,607            | 20,275          |
| West Virginia      | 330                                                    | 422    | 381    | 340    | 62,842                                                                 | 91,079            | 71,163     | -----               | 32,545            | (11)            |
| N. Carolina        | 190                                                    | 210    | 205    | 190    | 21,241                                                                 | 29,994            | 26,443     | -----               | 13,946            | 2,881           |
| S. Carolina        | 228                                                    | 301    | 286    | 246    | 17,873                                                                 | 20,211            | 10,256     | -----               | 5,854             | 2,071           |
| Georgia            | 417                                                    | 449    | 425    | 360    | 86,601                                                                 | 106,968           | 98,564     | 265                 | 52,279            | 2,628           |
| Florida            | 166                                                    | 197    | 226    | 199    | 27,236                                                                 | 41,317            | 33,362     | 1,677               | 28,051            | 2,104           |
| E. S. Central      | 1,291                                                  | 1,477  | 1,379  | 1,196  | 288,785                                                                | 308,021           | 311,351    | -----               | 174,892           | 7,204           |
| Kentucky           | 502                                                    | 517    | 439    | 462    | 103,512                                                                | 115,594           | 117,894    | -----               | 68,547            | -----           |
| Tennessee          | 361                                                    | 495    | 507    | 403    | 91,896                                                                 | 110,369           | 103,934    | -----               | 64,629            | 5,587           |
| Alabama            | 309                                                    | 368    | 335    | 304    | 62,494                                                                 | 73,646            | 85,463     | -----               | 40,101            | -----           |
| Mississippi        | 119                                                    | 98     | 47     | 27     | 10,883                                                                 | 8,412             | 4,010      | -----               | 1,615             | 1,617           |
| W. S. Central      | 1,372                                                  | 1,724  | 1,773  | 1,559  | 270,746                                                                | 382,097           | 352,541    | 14,305              | 182,589           | 31,923          |
| Arkansas           | 114                                                    | 120    | 122    | 106    | 24,304                                                                 | 29,964            | 25,887     | 28                  | 13,725            | -----           |
| Louisiana          | 285                                                    | 308    | 284    | 201    | 94,063                                                                 | 128,337           | 123,491    | 3,663               | 70,104            | 5,700           |
| Oklahoma           | 252                                                    | 324    | 334    | 303    | 22,121                                                                 | 30,200            | 23,808     | 4,178               | 10,995            | 3,131           |
| Texas              | 721                                                    | 975    | 1,038  | 894    | 130,268                                                                | 187,536           | 179,365    | 6,416               | 87,765            | 23,097          |
| Mountain           | 1,048                                                  | 1,291  | 1,137  | 1,043  | 154,234                                                                | 148,743           | 118,004    | 1,283               | 58,625            | 2,679           |
| Montana            | 99                                                     | 111    | 109    | 190    | 15,351                                                                 | 15,265            | 14,108     | -----               | 3,757             | -----           |
| Colorado           | 468                                                    | 431    | 356    | 308    | 86,597                                                                 | 81,613            | 64,865     | 591                 | 34,063            | -----           |
| New Mexico         | 11                                                     | 11     | 11     | -----  | 951                                                                    | 1,425             | 516        | -----               | -----             | 1,794           |
| Arizona            | 46                                                     | 44     | 37     | 22     | 4,554                                                                  | 5,474             | 5,432      | -----               | (13)              | -----           |
| Idaho              | 129                                                    | 149    | 121    | 46     | 4,170                                                                  | 3,256             | 837        | -----               | -----             | -----           |
| Wyoming            | 23                                                     | 23     | -----  | -----  | 1,399                                                                  | 684               | -----      | -----               | -----             | -----           |
| Nevada             | 11                                                     | 5      | 5      | -----  | 760                                                                    | 480               | 351        | -----               | -----             | -----           |
| Utah               | 260                                                    | 517    | 498    | 476    | 40,452                                                                 | 40,561            | 31,895     | 692                 | 19,20,305         | 788             |
| Pacific            | 4,146                                                  | 4,619  | 4,593  | 4,295  | 723,270                                                                | 970,359           | 922,140    | 28,692              | 622,915           | 49,696          |
| Washington         | 991                                                    | 954    | 904    | 727    | 126,687                                                                | 143,429           | 118,303    | 5,570               | 71,429            | 14,531          |
| Oregon             | 549                                                    | 612    | 548    | 500    | 76,842                                                                 | 71,804            | 60,471     | 2,652               | 45,334            | -----           |
| California         | 2,605                                                  | 3,053  | 3,131  | 3,068  | 520,741                                                                | 755,129           | 743,366    | 20,470              | 500,152           | 35,165          |

<sup>1</sup> Mileage figures expressed to nearest mile, original figures to nearest hundredth.

<sup>2</sup> Includes motor-bus operations.

<sup>3</sup> Includes trolley-bus operations.

<sup>4</sup> Data for Maine, Rhode Island, and Connecticut combined.

<sup>5</sup> Data for Vermont, Rhode Island, and Connecticut combined.

<sup>6</sup> Data for Rhode Island included with Massachusetts.

<sup>7</sup> Data for Minnesota, North Dakota, and Nebraska combined.

## OPERATING STATISTICS, BY STATES

other data relate to the total operations of companies domiciled in the State, part of which may be con-  
passenger revenue and in other similar ratios are largely due to differences in the relative importance  
directly by electric railways; lines operated by subsidiary and successor companies are not included.

| Passenger revenue of companies domiciled<br>in State (thousands of dollars) |                   |                        |                   |                        | Revenue car-miles operated by companies<br>domiciled in State (thousands) |              |                        |                   |                        | Division and<br>State |
|-----------------------------------------------------------------------------|-------------------|------------------------|-------------------|------------------------|---------------------------------------------------------------------------|--------------|------------------------|-------------------|------------------------|-----------------------|
| 1922 <sup>1</sup>                                                           | 1927              |                        | 1932 <sup>2</sup> |                        | 1922 <sup>1</sup>                                                         | 1927         |                        | 1932 <sup>2</sup> |                        |                       |
|                                                                             | Car<br>lines      | Motor-<br>bus<br>lines | Car<br>lines      | Motor-<br>bus<br>lines |                                                                           | Car<br>lines | Motor-<br>bus<br>lines | Car<br>lines      | Motor-<br>bus<br>lines |                       |
| 854, 683                                                                    | 834, 601          | 14, 578                | 518, 060          | 55, 428                | 2, 124, 523                                                               | 2, 163, 773  | 65, 068                | 1, 681, 491       | 273, 618               | U.S.                  |
| 87, 704                                                                     | 79, 752           | 4, 607                 | 43, 262           | 10, 400                | 173, 083                                                                  | 154, 549     | 15, 971                | 108, 242          | 40, 904                | N.E.                  |
| 4, 243                                                                      | 3, 060            |                        | 1, 437            | ( <sup>1</sup> )       | 11, 027                                                                   | 9, 485       | 174                    | 6, 814            | ( <sup>1</sup> )       | Maine.                |
| 1, 585                                                                      | 924               | 44                     | 410               |                        | 4, 006                                                                    | 2, 767       | 71                     | 1, 838            |                        | N.H.                  |
| 451                                                                         | 258               |                        | ( <sup>1</sup> )  |                        | 1, 406                                                                    | 980          | 30                     | ( <sup>1</sup> )  |                        | Vt.                   |
| 58, 521                                                                     | 55, 198           | * 4, 503               | 31, 092           | 7, 142                 | 105, 162                                                                  | 96, 723      | 13, 168                | 68, 819           | 26, 444                | Mass.                 |
| 22, 904                                                                     | 20, 312           | ( <sup>1</sup> )       | * 9, 723          | * 3, 258               | 16, 244                                                                   | 13, 932      | 2, 530                 | * 28, 771         | * 14, 460              | R.I.                  |
|                                                                             |                   |                        |                   |                        | 35, 238                                                                   | 30, 662      |                        |                   |                        | Conn.                 |
| 297, 560                                                                    | 308, 687          | 17                     | 219, 363          | 19, 288                | 710, 550                                                                  | 766, 120     | 55                     | 664, 046          | 75, 473                | M. A.                 |
| 163, 451                                                                    | 186, 092          | 16                     | 152, 936          | 3, 284                 | 442, 114                                                                  | 496, 910     | 51                     | 492, 408          | 9, 757                 | N.Y.                  |
| 30, 803                                                                     | 21, 743           | 1                      | 9, 184            | 16, 004                | 69, 214                                                                   | 52, 179      | 4                      | 23, 459           | 66, 716                | N.J.                  |
| 98, 240                                                                     | 100, 252          |                        | 87, 243           |                        | 199, 222                                                                  | 206, 031     |                        | 148, 179          |                        | Pa.                   |
| 213, 365                                                                    | 211, 622          | 5, 061                 | 117, 259          | 11, 823                | 546, 837                                                                  | 571, 510     | 22, 683                | 385, 595          | 65, 214                | E. N. C.              |
| 55, 359                                                                     | 60, 309           | 1, 989                 | 25, 743           | 3, 980                 | 141, 247                                                                  | 136, 400     | 7, 081                 | 83, 693           | 20, 851                | Ohio.                 |
| 20, 286                                                                     | 18, 579           | 513                    | 7, 399            | 1, 023                 | 58, 552                                                                   | 63, 782      | 4, 043                 | 41, 971           | 7, 566                 | Ind.                  |
| 98, 817                                                                     | 100, 278          | 1, 007                 | 63, 817           | 1, 354                 | 230, 127                                                                  | 256, 985     | 4, 310                 | 194, 267          | 9, 811                 | Ill.                  |
| 31, 473                                                                     | 29, 186           | 196                    | 12, 896           | 3, 353                 | 83, 571                                                                   | 78, 929      | 1, 316                 | 37, 936           | 16, 383                | Mich.                 |
| 12, 430                                                                     | 13, 270           | 1, 356                 | 7, 404            | 2, 113                 | 32, 840                                                                   | 35, 414      | 5, 933                 | 27, 758           | 10, 603                | Wis.                  |
| 66, 850                                                                     | 56, 599           | 394                    | 34, 188           | 2, 497                 | 174, 012                                                                  | 159, 097     | 2, 303                 | 122, 072          | 16, 985                | W. N. C.              |
| 15, 850                                                                     | 14, 379           |                        | 9, 387            | ( <sup>1</sup> )       | 36, 066                                                                   | 35, 546      |                        | 29, 403           | ( <sup>1</sup> )       | Minn.                 |
| 7, 850                                                                      | 5, 968            | 175                    | 2, 652            | 366                    | 29, 152                                                                   | 23, 892      | 788                    | 15, 881           | 3, 109                 | Iowa.                 |
| 34, 137                                                                     | 30, 106           |                        | 18, 660           | 1, 344                 | 80, 738                                                                   | 76, 702      | 180                    | 61, 094           | 7, 192                 | Mo.                   |
|                                                                             |                   | * 167                  | ( <sup>1</sup> )  | ( <sup>1</sup> )       | 926                                                                       | 951          |                        | 737               | ( <sup>1</sup> )       | N.Dak.                |
| 342                                                                         | 382               |                        |                   |                        | 579                                                                       | 368          | 879                    |                   |                        | S.Dak.                |
| 4, 930                                                                      | 3, 695            | 12                     | 2, 646            | 7, 375                 | 13, 980                                                                   | 11, 291      | 65                     | 7, 911            | 2, 386                 | Nebr.                 |
| 3, 771                                                                      | 2, 069            | 40                     | 843               | 412                    | 12, 571                                                                   | 10, 347      | 396                    | 7, 046            | 3, 798                 | Kans.                 |
| 58, 863                                                                     | 54, 733           | 10 749                 | 32, 931           | 3, 259                 | 153, 154                                                                  | 151, 263     | 3, 812                 | 119, 933          | 20, 994                | S. A.                 |
| 30, 995                                                                     | 29, 164           |                        | 19, 510           | 860                    | 3, 883                                                                    | 3, 649       |                        |                   |                        | Del.                  |
|                                                                             | ( <sup>10</sup> ) |                        |                   |                        | 42, 401                                                                   | 40, 387      |                        | 53, 919           | 5, 617                 | Md.                   |
| 7, 540                                                                      | 6, 979            |                        | 3, 871            | 1, 691                 | 21, 037                                                                   | 20, 082      | 2, 775                 |                   |                        | D. C.                 |
| 6, 570                                                                      | 5, 761            |                        | 2, 527            | ( <sup>11</sup> )      | 24, 312                                                                   | 24, 632      |                        | 17, 781           | 8, 976                 | Va.                   |
| 2, 068                                                                      | 1, 708            |                        | 913               | 176                    | 15, 238                                                                   | 15, 504      |                        | 11, 934           | ( <sup>11</sup> )      | W. Va.                |
| 1, 755                                                                      | 751               |                        | 395               | 143                    | 6, 887                                                                    | 6, 596       |                        | 5, 641            | 1, 418                 | N. C.                 |
| 7, 521                                                                      | 6, 991            | ( <sup>10</sup> )      | 4, 057            | 11 207                 | 7, 719                                                                    | 7, 399       |                        | 6, 283            | 1, 367                 | S. C.                 |
| 2, 414                                                                      | 3, 379            | ( <sup>10</sup> )      | 1, 658            | 182                    | 22, 619                                                                   | 21, 429      | 160                    | 15, 888           | 11 2, 007              | Ga.                   |
| 20, 840                                                                     | 20, 541           |                        | 11, 890           | 562                    | 9, 058                                                                    | 11, 586      | 887                    | 8, 487            | 1, 610                 | Fla.                  |
| 7, 643                                                                      | 7, 764            |                        | 4, 879            | 450                    | 58, 389                                                                   | 59, 504      |                        | 47, 455           | 4, 303                 | E. S. C.              |
| 7, 735                                                                      | 7, 252            |                        | 4, 450            |                        | 20, 372                                                                   | 21, 480      |                        | 17, 496           |                        | Ky.                   |
| 4, 812                                                                      | 5, 270            |                        | 2, 450            | 112                    | 19, 122                                                                   | 20, 636      |                        | 16, 248           | 2, 755                 | Tenn.                 |
| 650                                                                         | 255               |                        | 101               |                        | 15, 820                                                                   | 15, 910      |                        | 12, 539           | 1, 548                 | Ala.                  |
|                                                                             |                   |                        |                   |                        | 3, 075                                                                    | 1, 479       |                        | 1, 172            |                        | Miss.                 |
| 29, 529                                                                     | 27, 562           | 1, 094                 | 13, 301           | 2, 645                 | 80, 091                                                                   | 82, 050      | 5, 215                 | 69, 200           | 18, 914                | W. S. C.              |
| 1, 781                                                                      | 1, 530            | 3                      | 794               | 382                    | 5, 735                                                                    | 6, 371       | 26                     | 5, 138            |                        | Ark.                  |
| 9, 888                                                                      | 8, 554            | 265                    | 4, 794            | 269                    | 20, 428                                                                   | 18, 239      | 1, 123                 | 13, 509           | 2, 380                 | La.                   |
| 3, 127                                                                      | 2, 443            | 301                    | 1, 040            | 269                    | 9, 356                                                                    | 9, 017       | 1, 416                 | 7, 548            | 2, 374                 | Okl.                  |
| 15, 233                                                                     | 15, 035           | 526                    | 6, 648            | 1, 994                 | 44, 571                                                                   | 48, 423      | 2, 650                 | 33, 005           | 14, 160                | Tex.                  |
| 11, 459                                                                     | 8, 072            | 136                    | 4, 613            | 211                    | 32, 739                                                                   | 32, 187      | 723                    | 21, 404           | 2, 029                 | Mt.                   |
| 951                                                                         | 859               |                        | 237               |                        | 2, 979                                                                    | 3, 090       |                        | 2, 344            |                        | Mont.                 |
| 6, 222                                                                      | 4, 898            | ( <sup>12</sup> )      | 2, 834            | 144                    | 15, 746                                                                   | 15, 152      | 259                    | 10, 639           | 1, 368                 | Colo.                 |
| 382                                                                         | 447               |                        | ( <sup>12</sup> ) |                        | 410                                                                       | 334          |                        |                   |                        | N. Mex.               |
| 388                                                                         |                   |                        |                   |                        | 981                                                                       | 1, 096       |                        | ( <sup>12</sup> ) |                        | Ariz.                 |
|                                                                             |                   |                        |                   |                        | 1, 323                                                                    | 770          |                        |                   |                        | Idaho.                |
|                                                                             |                   |                        |                   |                        | 253                                                                       |              |                        |                   |                        | Wyo.                  |
| 3, 516                                                                      | 2, 808            | 12 136                 | 12 1, 542         | 67                     | 108                                                                       | 80           |                        |                   |                        | Nev.                  |
|                                                                             |                   |                        |                   |                        | 10, 939                                                                   | 11, 665      | 464                    | 12 8, 421         | 661                    | Utah.                 |
| 65, 463                                                                     | 66, 033           | 2, 620                 | 41, 263           | 4, 743                 | 196, 188                                                                  | 198, 493     | 14, 306                | 155, 544          | 28, 802                | Pac.                  |
| 12, 273                                                                     | 10, 587           | 972                    | 3, 189            | 1, 949                 | 36, 296                                                                   | 32, 273      | 3, 953                 | 23, 558           | 11, 527                | Wash.                 |
| 6, 285                                                                      | 5, 147            |                        | 3, 189            |                        | 21, 341                                                                   | 20, 192      | 1, 313                 | 15, 155           |                        | Oreg.                 |
| 49, 905                                                                     | 50, 299           | 1, 548                 | 32, 689           | 2, 794                 | 138, 528                                                                  | 146, 028     | 9, 040                 | 116, 821          | 17, 275                | Calif.                |

<sup>1</sup> Data for Missouri and South Dakota.

<sup>2</sup> Data for North Dakota included with Nebraska.

<sup>10</sup> Figures for South Atlantic division represent District of Columbia, Georgia, and Florida.

<sup>11</sup> Data for West Virginia and Georgia combined.

<sup>12</sup> Data for Colorado included with Utah.

<sup>13</sup> Data for Arizona included with Utah.

Source: Bureau of the Census, Department of Commerce.

## No. 454.—ELECTRIC RAILWAYS: INCOME ACCOUNT OF OPERATING COMPANIES

NOTE.—See headnote to Table 461

[All figures except percentages in thousands of dollars]

|                                              | All companies |           |            |            | Surface lines |          |
|----------------------------------------------|---------------|-----------|------------|------------|---------------|----------|
|                                              | 1912          | 1922      | 1927       | 1932       | 1927          | 1932     |
| Gross operating revenue.....                 | 567, 511      | 1,016,719 | 1,927, 774 | 1,666, 749 | 798, 754      | 447, 628 |
| Railway operations.....                      | 535, 966      | 925, 477  | 918, 869   | 569, 290   | 789, 849      | 447, 169 |
| Passenger.....                               | 502, 652      | 854, 663  | 834, 601   | 518, 060   | 713, 288      | 408, 431 |
| Baggage, express, and milk.....              | 3, 688        | 5, 285    | 4, 271     | 1, 328     | 4, 271        | 1, 328   |
| Freight.....                                 | 10, 165       | 31, 560   | 39, 125    | 17, 647    | 39, 125       | 16, 657  |
| Other railway operations.....                | 19, 491       | 33, 969   | 40, 873    | 26, 255    | 33, 165       | 20, 753  |
| Auxiliary operations.....                    | 31, 515       | 91, 242   | 18, 905    | 1, 459     | 8, 905        | 459      |
| Operating expenses (total).....              | 332, 898      | 727, 795  | 1,694, 460 | 1,442, 893 | 616, 258      | 364, 269 |
| Railway operating expenses.....              | 318, 700      | 678, 563  | 636, 038   | 442, 607   | 608, 436      | 363, 893 |
| Way and structures.....                      | 44, 270       | 102, 003  | 96, 285    | 61, 000    | 85, 807       | 48, 674  |
| Equipment.....                               | 35, 717       | 87, 287   | 92, 865    | 55, 921    | 79, 249       | 43, 093  |
| Power.....                                   | 58, 599       | 107, 246  | 98, 602    | 70, 647    | 84, 508       | 56, 420  |
| Conducting transportation.....               | 128, 205      | 288, 690  | 294, 322   | 186, 515   | 262, 415      | 154, 633 |
| All other.....                               | 52, 909       | 95, 388   | 104, 564   | 68, 524    | 96, 457       | 60, 193  |
| Auxiliary operations.....                    | 14, 196       | 40, 232   | 17, 822    | 1, 356     | 7, 822        | 386      |
| Ratio of expenses to revenue (per cent)..... | 58.7          | 71.6      | 74.9       | 78.2       | 77.2          | 81.4     |
| Net operating revenue.....                   | 234, 615      | 288, 924  | 1,233, 314 | 1,123, 756 | 182, 496      | 83, 359  |
| Taxes.....                                   | 35, 028       | 64, 788   | 57, 800    | 40, 670    | 49, 504       | 33, 416  |
| Operating income.....                        | 199, 587      | 224, 136  | 1,175, 505 | 1,083, 086 | 132, 992      | 49, 943  |

<sup>1</sup> Figures beginning with 1927 not comparable with corresponding figures for prior years, as a number of companies that formerly reported their light and power departments in "auxiliary operations" furnished complete separate reports for these departments in 1927 and 1932 which are included in statistics for "Central Electric Light and Power Stations."

<sup>2</sup> Includes superintendence of power.

Source: Bureau of the Census, Department of Commerce.

## No. 455.—RECEIVERSHIPS OF ELECTRIC RAILWAYS

| Year      | Placed under receivership or trusteeship |                |                        |               | Sold under foreclosure |                |                        |               |                         |
|-----------|------------------------------------------|----------------|------------------------|---------------|------------------------|----------------|------------------------|---------------|-------------------------|
|           | Number of companies                      | Miles of track | Outstanding securities |               | Number of companies    | Miles of track | Outstanding securities |               | Receivers' certificates |
|           |                                          |                | Stock                  | Bonds         |                        |                | Stock                  | Bonds         |                         |
|           |                                          |                | Dollars                | Dollars       |                        |                | Dollars                | Dollars       | Dollars                 |
| 1910..... | 11                                       | 697            | 12, 929, 400           | 75, 490, 735  | 22                     | 724            | 19, 106, 613           | 26, 374, 075  | (1)                     |
| 1912..... | 26                                       | 874            | 20, 410, 700           | 11, 133, 800  | 18                     | 267            | 14, 197, 300           | 10, 685, 250  | (1)                     |
| 1913..... | 18                                       | 843            | 31, 006, 900           | 47, 272, 200  | 17                     | 302            | 15, 243, 700           | 19, 094, 500  | (1)                     |
| 1914..... | 10                                       | 362            | 35, 562, 550           | 19, 060, 460  | 11                     | 181            | 26, 239, 700           | 44, 094, 241  | (1)                     |
| 1915..... | 27                                       | 1, 163         | 40, 557, 950           | 39, 036, 100  | 19                     | 308            | 30, 608, 817           | 16, 759, 997  | (2)                     |
| 1916..... | 15                                       | 350            | 14, 119, 188           | 11, 434, 708  | 19                     | 430            | 18, 895, 400           | 22, 702, 300  | (3)                     |
| 1917..... | 21                                       | 1, 288         | 33, 597, 305           | 33, 344, 800  | 26                     | 745            | 27, 281, 900           | 27, 313, 045  | (3)                     |
| 1918..... | 29                                       | 2, 106         | 92, 270, 779           | 172, 015, 103 | 23                     | 524            | 37, 740, 325           | 20, 149, 384  | (1)                     |
| 1919..... | 51                                       | 3, 856         | 209, 424, 110          | 305, 760, 161 | 29                     | 2, 675         | 89, 893, 400           | 79, 836, 738  | 42, 300                 |
| 1920..... | 19                                       | 1, 055         | 36, 467, 105           | 67, 755, 850  | 13                     | 260            | 7, 782, 400            | 11, 227, 328  | 52, 000                 |
| 1921..... | 18                                       | 954            | 31, 714, 450           | 34, 252, 550  | 13                     | 778            | 33, 642, 255           | 30, 893, 526  | 5, 000                  |
| 1922..... | 14                                       | 702            | 17, 505, 050           | 25, 150, 800  | 13                     | 323            | 7, 491, 500            | 12, 840, 600  | 14, 683                 |
| 1923..... | 12                                       | 933            | 6, 760, 100            | 13, 255, 300  | 15                     | 927            | 118, 077, 959          | 110, 638, 250 | 12, 265, 000            |
| 1924..... | 13                                       | 1, 164         | 30, 365, 855           | 40, 290, 355  | 14                     | 860            | 21, 022, 800           | 34, 845, 535  | 3, 440, 388             |
| 1925..... | 13                                       | 1, 129         | 36, 291, 045           | 48, 632, 084  | 13                     | 569            | 18, 074, 300           | 18, 329, 555  | 53, 000                 |
| 1926..... | 16                                       | 1, 281         | 16, 871, 390           | 117, 743, 311 | 28                     | 1, 291         | 20, 054, 700           | 57, 340, 363  | 214, 000                |
| 1927..... | 12                                       | 567            | 16, 895, 523           | 20, 292, 316  | 16                     | 941            | 53, 345, 000           | 78, 445, 100  | 3, 140, 000             |
| 1928..... | 8                                        | 396            | 8, 467, 200            | 15, 014, 400  | 8                      | 1, 004         | 26, 084, 325           | 40, 683, 400  | 169, 150                |
| 1929..... | 5                                        | 500            | 39, 035, 000           | 36, 378, 900  | 10                     | 510            | 18, 472, 995           | 21, 173, 700  | 285, 359                |
| 1930..... | 15                                       | 1, 765         | 79, 647, 700           | 97, 442, 081  | 8                      | 1, 055         | 36, 254, 965           | 44, 564, 000  |                         |
| 1931..... | 16                                       | 1, 526         | 40, 782, 922           | 45, 155, 383  | 12                     | 845            | 38, 205, 800           | 19, 769, 600  | 50, 000                 |
| 1932..... | 20                                       | 1, 932         | 170, 353, 850          | 392, 719, 308 | 6                      | 347            | 10, 685, 000           | 12, 609, 800  |                         |
| 1933..... | 10                                       | 1, 736         | 39, 773, 300           | 119, 298, 198 | 8                      | 406            | 9, 575, 405            | 16, 346, 700  | 7, 500                  |
| 1934..... | 5                                        | 246            | 3, 887, 600            | 7, 217, 100   | 6                      | 329            | 13, 685, 100           | 19, 563, 000  |                         |
| 1935..... | 11                                       | 939            | 42, 681, 037           | 70, 371, 343  | 10                     | 861            | 32, 617, 800           | 91, 512, 071  |                         |

<sup>1</sup> Data not available.

Source: Annual Statistical Number, Transit Journal.

No. 456.—ELECTRIC RAILWAYS: SUMMARY OF STATISTICS OF SUBWAY AND ELEVATED LINES<sup>1</sup>

|                                                                                   | 1907      | 1912      | 1917      | 1922      | 1927      | 1932      |
|-----------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Number of companies.....                                                          | 6         | 7         | 7         | 7         | 2 4       | 2 7       |
| Miles of track <sup>2</sup> .....                                                 | 420.4     | 517.8     | 666.1     | 857.9     | 870.9     | 1,028.4   |
| Number of cars.....                                                               | 4,463     | 5,706     | 6,801     | 8,096     | 8,654     | 12,645    |
| Passengers carried (thousands).....                                               | 640,705   | 1,004,823 | 1,274,652 | 1,745,167 | 2,222,586 | 2,039,445 |
| Revenue passengers, including pay transfer.....                                   | 635,653   | 991,062   | 1,262,509 | 1,743,284 | 2,220,794 | 2,033,618 |
| Revenue car mileage (thousands).....                                              | 143,268   | 219,375   | 247,199   | 303,340   | 377,213   | 396,580   |
| Average number of revenue passengers:<br>Per mile of all track <sup>4</sup> ..... | 1,514,866 | 1,913,950 | 2,112,349 | 2,229,719 | 2,858,422 | 2,092,587 |
| Per passenger-car hour.....                                                       | (5)       | (5)       | (5)       | 90.86     | 93.80     | (5)       |
| Salaries employees:<br>Number.....                                                | 362       | 907       | 1,937     | 1,372     | 1,471     | 1,812     |
| Salaries (thousands of dollars).....                                              | 569       | 1,398     | 2,648     | 3,008     | 3,877     | 4,625     |
| Wage earners:<br>Number.....                                                      | 12,501    | 19,098    | 26,835    | 26,007    | 27,955    | 29,982    |
| Wages (thousands of dollars).....                                                 | 8,588     | 13,867    | 22,093    | 40,988    | 47,283    | 50,462    |

<sup>1</sup> Exclusive of the mixed elevated, subway, and surface systems of Boston and Philadelphia which are included in the surface group.

<sup>2</sup> Four companies were consolidated and treated as one company in 1927, but as separate companies in 1932.

<sup>3</sup> Includes a minor amount of surface trackage.

<sup>4</sup> Average for 1907 and 1912 based on all track exclusive of idle track and freight and switching roads; for 1917, 1922, and 1927, on running track exclusive of idle track and freight and switching roads; for 1932, on total main track.

<sup>5</sup> No data.

## No. 457.—ELECTRIC RAILWAYS: MILEAGE OF ELEVATED AND SUBWAY AND TUNNEL TRACK, BY STATES

NOTE.—In these statistics all track is included; each track of a double or multiple line is counted separately. Mileage expressed in nearest tenth

| Class of trackage and State | 1912  | 1917  | 1922  | 1927  | 1932  | Class of trackage and State         | 1912  | 1917  | 1922  | 1927  | 1932  |
|-----------------------------|-------|-------|-------|-------|-------|-------------------------------------|-------|-------|-------|-------|-------|
| Elevated, total.....        | 417.8 | 497.3 | 601.7 | 634.2 | 638.3 | Subways and tunnels, total.....     | 112.7 | 218.5 | 335.6 | 342.4 | 510.3 |
| New York.....               | 230.8 | 297.0 | 362.8 | 373.0 | 379.8 | New York <sup>1</sup> .....         | 70.5  | 162.4 | 269.1 | 281.7 | 356.9 |
| Illinois.....               | 141.9 | 146.9 | 163.9 | 178.7 | 178.7 | Massachusetts.....                  | 18.5  | 25.2  | 27.0  | 29.4  | 30.6  |
| Pennsylvania.....           | 9.9   | 16.7  | 32.4  | 32.2  | 32.2  | New Jersey <sup>1</sup> .....       | 11.7  | 12.6  | 12.6  | 12.6  | 12.6  |
| Massachusetts.....          | 26.6  | 26.2  | 30.1  | 35.6  | 40.1  | Pennsylvania.....                   | 8.4   | 9.0   | 8.0   | 9.2   | 38.4  |
| New Jersey.....             | 4.3   | 4.4   | 4.3   | 4.3   | 4.4   | California.....                     | .3    | 5.4   | 6.4   | 5.9   | 8.5   |
| Missouri.....               | 2.9   | 3.0   | 2.9   | —     | —     | Illinois.....                       | 1.9   | 1.9   | 1.8   | 1.8   | 61.2  |
| Washington.....             | —     | —     | 2.7   | 7.8   | —     | All other States <sup>1</sup> ..... | 1.4   | 2.3   | 1.7   | 1.8   | 2.1   |
| Maryland.....               | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   |                                     |       |       |       |       |       |
| California.....             | —     | 1.2   | 1.2   | 1.2   | .6    |                                     |       |       |       |       |       |
| Kansas.....                 | —     | .5    | —     | —     | —     |                                     |       |       |       |       |       |
| Minnesota.....              | —     | —     | —     | —     | 1.1   |                                     |       |       |       |       |       |

<sup>1</sup> Figures for New Jersey include 11.68 miles owned and operated by a New York company.

<sup>2</sup> Kansas, Missouri, Oregon, and Tennessee, 1912; Connecticut, Minnesota, Missouri, Rhode Island, West Virginia, and Wisconsin, 1917; Rhode Island, Minnesota, and Missouri, 1922; Minnesota, Missouri, Rhode Island, and Washington, 1927; Minnesota, Missouri, Montana, Rhode Island, and Washington, 1932.

## No. 458.—ELECTRIC RAILWAYS: FINANCES OF ELEVATED AND SUBWAY LINES

NOTE.—All figures in thousands of dollars. Data exclude the mixed elevated, subway, and surface systems of Boston and Philadelphia which are included in the surface group

| Account                           | 1907   | 1912   | 1917   | 1922    | 1927    | 1932    |
|-----------------------------------|--------|--------|--------|---------|---------|---------|
| Income from all sources.....      | 34,258 | 55,246 | 70,213 | 108,483 | 132,135 | 121,612 |
| Operating revenues.....           | 33,874 | 52,239 | 68,537 | 105,862 | 129,020 | 119,120 |
| Operating expenses.....           | 15,129 | 23,613 | 31,669 | 67,660  | 78,202  | 78,723  |
| Net operating revenue.....        | 18,745 | 28,626 | 36,868 | 38,202  | 50,818  | 40,397  |
| Taxes of operating companies..... | 1,986  | 3,501  | 5,136  | 6,441   | 8,215   | 7,253   |
| Operating income.....             | 16,759 | 25,125 | 31,732 | 31,761  | 42,603  | 33,143  |
| Miscellaneous income.....         | 384    | 3,008  | 1,076  | 2,621   | 3,115   | 2,492   |
| Gross income.....                 | 17,143 | 28,133 | 33,408 | 34,382  | 45,718  | 35,635  |
| Deductions from gross income..... | 11,473 | 18,902 | 21,347 | 34,866  | 33,907  | 34,036  |
| Interest.....                     | 8,701  | 9,654  | 10,442 | 19,225  | 23,270  | 26,451  |
| Miscellaneous.....                | 7,772  | 9,248  | 10,905 | 15,631  | 10,637  | 7,585   |
| Net income.....                   | 5,670  | 9,231  | 12,061 | 1,474   | 11,811  | 1,599   |
| Dividends.....                    | 4,009  | 8,530  | 10,087 | —       | 6,260   | (2)     |
| Surplus.....                      | 1,661  | 701    | 1,974  | 1,474   | 5,561   | (2)     |

<sup>1</sup> Deficit.

<sup>2</sup> Not shown separately.

Source of tables 456, 457, and 458: Bureau of the Census, Department of Commerce.

**No. 459.—MOTORBUS OPERATIONS: SUMMARY OF STATISTICS FOR LINES  
OPERATED BY ELECTRIC RAILWAYS, SUBSIDIARY, AND SUCCESSOR COMPANIES**

NOTE.—Data for successor companies not available in 1927

|                                                                              | 1927    |                                       |                                   | 1932      |                                       |                                   |                             |
|------------------------------------------------------------------------------|---------|---------------------------------------|-----------------------------------|-----------|---------------------------------------|-----------------------------------|-----------------------------|
|                                                                              | Total   | Operated by—                          |                                   | Total     | Operated by—                          |                                   |                             |
|                                                                              |         | Electric<br>railway<br>com-<br>panies | Subsidi-<br>ary<br>com-<br>panies |           | Electric<br>railway<br>com-<br>panies | Subsidi-<br>ary<br>com-<br>panies | Successor<br>com-<br>panies |
| Number of companies.....                                                     | 301     | 98                                    | 203                               | 498       | 173                                   | 96                                | 230                         |
| Number of routes operated.....                                               | 1,683   | 482                                   | 1,101                             | 3,613     | 2,119                                 | 533                               | 961                         |
| Miles of route (round trip).....                                             | 20,287  | 7,073                                 | 22,194                            | 77,897    | 21,550                                | 20,877                            | 35,764                      |
| Miles of street or highway served (one way).....                             | 14,299  | 8,313                                 | 10,086                            | 36,052    | 9,708                                 | 9,363                             | 17,681                      |
| Number of busses, total.....                                                 | 8,277   | 2,064                                 | 6,213                             | 15,064    | 8,559                                 | 3,070                             | 3,436                       |
| Owned.....                                                                   | 7,818   | 1,885                                 | 5,933                             | 14,076    | 8,083                                 | 2,961                             | 3,032                       |
| Rented.....                                                                  | 459     | 179                                   | 280                               | 988       | 470                                   | 109                               | 403                         |
| Single-deck.....                                                             | 7,745   | 1,970                                 | 5,769                             | 14,486    | 8,256                                 | 2,828                             | 3,406                       |
| Owned.....                                                                   | 7,303   | 1,797                                 | 5,506                             | 13,554    | 7,831                                 | 2,719                             | 3,004                       |
| Rented.....                                                                  | 442     | 179                                   | 263                               | 932       | 425                                   | 109                               | 398                         |
| Double-deck.....                                                             | 532     | 88                                    | 444                               | 578       | 303                                   | 242                               | 33                          |
| Owned.....                                                                   | 515     | 88                                    | 427                               | 522       | 252                                   | 242                               | 28                          |
| Rented.....                                                                  | 17      |                                       | 17                                | 56        | 51                                    |                                   | 5                           |
| Number of busses in operation.....                                           | 7,681   | 1,901                                 | 5,780                             | 13,297    | 7,596                                 | 2,709                             | 2,992                       |
| Average number of busses operated in sched-<br>uled service during year..... | 6,238   | 1,585                                 | 4,653                             | 10,703    | 6,205                                 | 1,979                             | 2,519                       |
| Number of passengers carried (thousands).....                                | 375,402 | 214,094                               | 660,708                           | 1,302,318 | 880,543                               | 225,984                           | 195,791                     |
| Revenue passengers.....                                                      | 771,806 | 163,100                               | 808,008                           | 1,135,500 | 740,423                               | 202,531                           | 183,546                     |
| Pay-transfer passengers.....                                                 | 12,453  | 4,583                                 | 7,871                             | 12,162    | 4,361                                 | 6,528                             | 1,273                       |
| Free-transfer passengers.....                                                | 85,235  | 45,667                                | 39,568                            | 143,729   | 118,704                               | 15,658                            | 9,367                       |
| Free passengers.....                                                         | 5,907   | 1,243                                 | 4,661                             | 10,928    | 8,055                                 | 1,268                             | 1,605                       |
| Number of bus-miles (thousands).....                                         | 272,618 | 65,905                                | 206,613                           | 490,025   | 275,633                               | 102,770                           | 120,622                     |
| Revenue miles.....                                                           | 270,493 | 65,068                                | 205,415                           | 494,922   | 273,618                               | 101,345                           | 119,960                     |
| Nonrevenue miles.....                                                        | 2,035   | 837                                   | 1,198                             | 4,103     | 2,015                                 | 1,425                             | 663                         |
| Number of bus-hours (thousands).....                                         | 24,927  | 5,716                                 | 19,210                            | 43,308    | 24,521                                | 8,955                             | 9,832                       |
| Revenue hours.....                                                           | 24,571  | 5,632                                 | 18,939                            | 42,760    | 24,235                                | 8,722                             | 9,773                       |
| Nonrevenue hours.....                                                        | 356     | 84                                    | 271                               | 548       | 285                                   | 233                               | 59                          |
| Number killed or died from injuries.....                                     | 108     | 15                                    | 93                                | 95        | 60                                    | 15                                | 20                          |
| Number injured but not killed.....                                           | 10,082  | 3,151                                 | 6,931                             | 11,820    | 8,226                                 | 2,643                             | 951                         |
| INCOME STATISTICS (thousands of dollars)                                     |         |                                       |                                   |           |                                       |                                   |                             |
| Operating revenues.....                                                      | 63,121  | 15,135                                | 52,986                            | 99,884    | 57,179                                | 22,232                            | 20,474                      |
| Transportation revenues.....                                                 | 67,253  | 16,004                                | 52,248                            | 98,329    | 56,444                                | 21,747                            | 20,138                      |
| Miscellaneous.....                                                           | 808     | 131                                   | 738                               | 1,555     | 734                                   | 485                               | 336                         |
| Operating expenses.....                                                      | 65,771  | 15,272                                | 50,500                            | 94,618    | 52,247                                | 22,054                            | 20,317                      |
| Maintenance of plant and equipment.....                                      | 23,717  | 5,398                                 | 18,319                            | 30,134    | 16,850                                | 7,280                             | 6,004                       |
| Operation.....                                                               | 36,056  | 8,564                                 | 27,502                            | 64,637    | 30,270                                | 12,645                            | 11,722                      |
| General expense including traffic pro-<br>motion.....                        | 5,998   | 1,320                                 | 4,678                             | 9,847     | 5,127                                 | 2,129                             | 2,591                       |
| Net operating revenue, motor-bus lines.....                                  | 2,349   | 1,187                                 | 2,486                             | 5,266     | 4,931                                 | 178                               | 157                         |
| Net revenue from auxiliary operations.....                                   | 1,831   |                                       | 1,831                             | 4         |                                       |                                   | 4                           |
| Total net revenues, motor-bus and auxiliary.....                             | 2,119   | 1,187                                 | 2,255                             | 5,270     | 4,931                                 | 178                               | 161                         |
| Taxes.....                                                                   | 2,880   | 584                                   | 2,296                             | 6,024     | 3,388                                 | 1,431                             | 1,205                       |
| Operating income, motor-bus and auxiliary.....                               | 1,761   | 1,781                                 | 1,40                              | 1,753     | 1,542                                 | 1,104                             | 1,048                       |
| Nonoperating income.....                                                     | 295     | 32                                    | 264                               | 545       | 62                                    | 159                               | 324                         |
| Gross income.....                                                            | 1,466   | 1,690                                 | 224                               | 1,209     | 1,605                                 | 1,263                             | 1,372                       |
| Deductions from gross income.....                                            | 1,707   | 198                                   | 1,509                             | 2,676     | 908                                   | 601                               | 869                         |
| Net income.....                                                              | 1,213   | 1,888                                 | 1,160                             | 1,886     | 699                                   | 1,104                             | 1,048                       |
| Number of employees.....                                                     | 16,633  | 3,619                                 | 13,014                            | 30,514    | 17,940                                | 6,330                             | 8,244                       |
| Salaries and wages.....                                                      | 2,333   | 285                                   | 2,068                             | 3,898     | 2,105                                 | 827                               | 984                         |
| Wage earners.....                                                            | 14,300  | 3,354                                 | 10,946                            | 26,618    | 15,835                                | 5,503                             | 5,260                       |
| Salaries and wages (thousands of dollars).....                               | 27,564  | 6,119                                 | 21,445                            | 43,512    | 25,690                                | 9,209                             | 8,613                       |
| Salaries.....                                                                | 3,340   | 657                                   | 2,683                             | 6,439     | 3,351                                 | 1,337                             | 1,751                       |
| Wages.....                                                                   | 24,224  | 5,462                                 | 18,762                            | 37,073    | 22,339                                | 7,872                             | 6,862                       |

<sup>1</sup> Deficit.

Source: Bureau of the Census, Department of Commerce.

## No. 460.—MOTORBUS INDUSTRY: STATISTICS OF PUBLIC AND PRIVATE CARRIERS

|                                                                            | 1930               | 1931               | 1932               | 1933    | 1934    | 1935    |
|----------------------------------------------------------------------------|--------------------|--------------------|--------------------|---------|---------|---------|
| <b>PUBLIC CARRIER (REVENUE) OPERATIONS</b>                                 |                    |                    |                    |         |         |         |
| Number of operating companies.....                                         | 5,875              | 5,260              | 5,201              | 5,200   | 5,024   | 4,700   |
| Owned by:                                                                  |                    |                    |                    |         |         |         |
| Motor carriers <sup>1</sup> .....                                          | 5,549              | 4,944              | 4,915              | 4,920   | 4,764   | 4,432   |
| Electric railways.....                                                     | 267                | 261                | 231                | 220     | 199     | 206     |
| Steam railroads.....                                                       | 59                 | 55                 | 55                 | 60      | 71      | 62      |
| City.....                                                                  | 5,475              | 4,870              | 975                | 850     | 805     | 800     |
| Inter-city.....                                                            |                    |                    | 2,896              | 4,096   | 3,904   | 3,570   |
| Sightseeing and irregular.....                                             |                    |                    | 830                | 264     | 315     | 330     |
| Number of busses.....                                                      | 44,650             | 45,400             | 45,000             | 45,000  | 43,000  | 45,000  |
| Owned by:                                                                  |                    |                    |                    |         |         |         |
| Motor carriers <sup>1</sup> .....                                          | 31,064             | 31,860             | 32,213             | 33,280  | 29,990  | 30,660  |
| Electric railways.....                                                     | 11,827             | 12,060             | 11,541             | 11,000  | 11,600  | 12,600  |
| Steam railroads.....                                                       | 1,759              | 1,500              | 1,246              | 720     | 1,410   | 1,750   |
| City.....                                                                  | 13,360             | 14,050             | 19,225             | 16,600  | 17,580  | 19,250  |
| Inter-city.....                                                            | 28,550             | 28,350             | 28,706             | 29,314  | 22,820  | 23,750  |
| Sightseeing and irregular.....                                             | 2,750              | 3,000              | 2,069              | 2,186   | 2,600   | 2,000   |
| Miles of route operated.....                                               | 387,000            | 390,000            | 400,000            | 410,000 | 401,665 | 395,774 |
| On lines owned by:                                                         |                    |                    |                    |         |         |         |
| Motor carriers.....                                                        | 314,700            | 343,030            | 357,099            | 381,160 | 361,795 | 335,000 |
| Electric railways.....                                                     | 24,300             | 20,000             | 17,263             | 17,000  | 16,420  | 15,520  |
| Steam railroads.....                                                       | 28,000             | 27,000             | 25,638             | 11,860  | 23,450  | 45,254  |
| City.....                                                                  | 9,500              | 10,600             | 14,830             | 17,442  | 19,665  | 24,000  |
| Inter-city.....                                                            | 332,500            | 366,400            | 304,570            | 364,676 | 354,000 | 346,774 |
| Sightseeing and irregular.....                                             | 25,000             | 23,000             | 20,600             | 27,882  | 28,000  | 25,000  |
| Revenue bus-miles (millions).....                                          | <sup>2</sup> 1,612 | <sup>2</sup> 1,604 | <sup>2</sup> 1,513 | 1,521   | 1,544   | 1,813   |
| City.....                                                                  | 610                | 521                | 537                | 547     | 595     | 691     |
| Inter-city.....                                                            | 1,102              | 1,083              | 976                | 930     | 896     | 1,085   |
| Sightseeing and irregular.....                                             | (3)                | (3)                | (3)                | 44      | 54      | 38      |
| Revenue passengers (millions).....                                         | 1,784              | 1,726              | 1,663              | 1,672   | 2,203   | 2,738   |
| City.....                                                                  | 1,350              | 1,325              | 1,300              | 1,323   | 1,809   | 2,084   |
| Inter-city.....                                                            | 428                | 395                | 357                | 329     | 378     | 652     |
| Sightseeing and irregular.....                                             | 6                  | 6                  | 6                  | 20      | 15      | 2       |
| Gross revenue (thousands of dollars).....                                  | 326,000            | 310,000            | 292,250            | 283,199 | 310,600 | 393,046 |
| City.....                                                                  | 109,000            | 107,000            | 100,000            | 98,619  | 131,200 | 145,596 |
| Inter-city.....                                                            | 205,000            | 191,000            | 185,000            | 176,580 | 171,200 | 239,950 |
| Sightseeing and irregular.....                                             | 12,000             | 12,000             | 7,250              | 8,000   | 8,200   | 7,500   |
| Investment in plant and equipment <sup>4</sup> (thousands of dollars)..... | 306,500            | 322,500            | 334,810            | 331,585 | 362,235 | 407,817 |
| Number of employees.....                                                   | (3)                | 101,000            | 88,500             | 85,878  | 94,532  | 106,931 |
| Total taxes and fees (thousands of dollars).....                           | 36,100             | 36,660             | 38,660             | 37,500  | 37,280  | 40,375  |
| Special taxes and fees <sup>5</sup> .....                                  | 31,200             | 32,525             | 34,500             | 33,470  | 33,300  | 35,625  |
| General taxes <sup>6</sup> .....                                           | 4,900              | 4,125              | 4,150              | 4,030   | 3,980   | 4,750   |
| <b>PRIVATE CARRIER (NONREVENUE) OPERATIONS</b>                             |                    |                    |                    |         |         |         |
| Number of operating agencies.....                                          | 17,615             | 17,750             | 22,400             | 23,900  | 24,100  | 28,740  |
| School.....                                                                | 16,600             | 16,700             | 21,500             | 23,400  | 23,600  | 28,240  |
| Others.....                                                                | 1,015              | 1,050              | 900                | 500     | 500     | 500     |
| Number of busses operated.....                                             | 47,150             | 53,500             | 60,700             | 61,600  | 65,130  | 72,860  |
| School.....                                                                | 45,000             | 51,500             | 59,000             | 60,300  | 64,130  | 71,850  |
| Others.....                                                                | 2,150              | 2,000              | 1,700              | 1,200   | 1,000   | 1,000   |
| Miles of route operated.....                                               | 460,000            | 508,000            | 640,800            | 692,000 | 706,600 | 929,000 |
| School.....                                                                | 461,000            | 500,000            | 642,500            | 688,000 | 702,000 | 925,000 |
| Others.....                                                                | 9,000              | 8,000              | 7,300              | 4,000   | 4,000   | 4,000   |
| Passengers carried (millions).....                                         | (3)                | 313                | 332                | 437     | 524     | 594     |
| School.....                                                                | (3)                | 296                | 317                | 427     | 514     | 584     |
| Others.....                                                                | (3)                | 17                 | 15                 | 10      | 10      | 10      |

<sup>1</sup> Common carriers and sightseeing carriers.<sup>2</sup> Not including sightseeing and irregular bus-miles.<sup>3</sup> Not available.<sup>4</sup> Rolling stock only.<sup>5</sup> All taxes paid as users of the highway and as operators of motor vehicles; includes excise taxes levied under Revenue Acts of 1932 and 1934.<sup>6</sup> All taxes paid as citizens and businesses in general.

Source: National Association of Motor Bus Operators.



## No. 461.—CIVIL AERONAUTICS: SUMMARY OF STATISTICS

| Item                                                                          | 1928   | 1930    | 1932    | 1933    | 1934    | 1935    |
|-------------------------------------------------------------------------------|--------|---------|---------|---------|---------|---------|
| <b>SCHEDULED AIR TRANSPORT OPERATIONS</b>                                     |        |         |         |         |         |         |
| Services in operation Dec. 31 <sup>1</sup>                                    | 83     | 122     | 136     | 112     | 98      | 109     |
| Miles of all airways in operation Dec. 31:                                    |        |         |         |         |         |         |
| Domestic <sup>2</sup>                                                         | 16,687 | 40,549  | 48,530  | 47,687  | 50,801  | 60,451  |
| Foreign <sup>2</sup>                                                          | 15,500 | 29,887  | 28,550  | 27,812  | 28,084  | 28,207  |
| Foreign <sup>2</sup>                                                          | 1,077  | 19,662  | 19,980  | 19,875  | 22,717  | 32,184  |
| Airplanes in service and reserve Dec. 31:                                     |        |         |         |         |         |         |
| Number                                                                        | 325    | 600     | 504     | 504     | 518     | 459     |
| Domestic <sup>2</sup>                                                         |        | 497     | 456     | 408     | 417     | 356     |
| Foreign <sup>2</sup>                                                          |        | 103     | 108     | 96      | 101     | 103     |
| Value (thousands of dollars)                                                  | 7,000  | 11,490  | 8,763   | 9,500   | 10,500  | 12,465  |
| Total personnel employed Dec. 31 <sup>1</sup>                                 | 1,496  | 3,475   | 5,588   | 6,273   | 6,455   | 8,131   |
| Pilots employed                                                               | 308    | 675     | 709     | 749     | 751     | 987     |
| Airplane-miles flown, all operators (thousands):                              |        |         |         |         |         |         |
| Domestic <sup>2</sup>                                                         | 10,673 | 36,045  | 50,933  | 54,643  | 48,787  | 63,540  |
| Domestic <sup>2</sup>                                                         | 10,400 | 31,993  | 45,000  | 48,772  | 40,956  | 55,380  |
| Foreign <sup>2</sup>                                                          | 273    | 4,953   | 5,327   | 5,871   | 7,831   | 8,160   |
| Airplane-miles flown daily, average for the year <sup>1</sup>                 | 29,242 | 101,220 | 139,542 | 149,706 | 133,662 | 174,084 |
| Passengers carried:                                                           |        |         |         |         |         |         |
| Domestic <sup>2</sup>                                                         | 49,713 | 417,505 | 540,681 | 568,940 | 501,370 | 800,701 |
| Domestic <sup>2</sup>                                                         | 47,840 | 374,935 | 474,279 | 493,141 | 401,743 | 740,940 |
| Foreign <sup>2</sup>                                                          | 1,873  | 42,570  | 66,402  | 75,799  | 99,627  | 118,815 |
| Average passenger-mile rate (domestic)                                        | \$0.11 | \$0.083 | \$0.061 | \$0.061 | \$0.059 | \$0.057 |
| Express and freight carried <sup>4</sup> (thousands of pounds):               |        |         |         |         |         |         |
| Domestic <sup>2</sup>                                                         | 217    | 469     | 1,601   | 2,453   | 3,450   | 5,512   |
| Domestic <sup>2</sup>                                                         | 210    | 360     | 1,034   | 1,510   | 2,133   | 3,822   |
| Foreign <sup>2</sup>                                                          | 6      | 109     | 567     | 943     | 1,316   | 1,680   |
| Miles of mail airways Dec. 31 <sup>1</sup>                                    | 14,561 | 41,501  | 45,436  | 44,605  | 46,003  | 51,428  |
| Airplane-miles flown with mail (thousands) <sup>1</sup>                       | 7,840  | 19,904  | 36,053  | 41,071  | 27,340  | 39,977  |
| Mail carried by contractors (thousands of pounds):                            |        |         |         |         |         |         |
| Domestic <sup>2</sup>                                                         | 4,063  | 8,514   | 7,000   | 7,817   | 7,872   | 13,780  |
| Domestic <sup>2</sup>                                                         | 3,546  | 7,985   | 7,393   | 7,362   | 7,411   | 13,270  |
| Foreign <sup>2</sup>                                                          | 518    | 520     | 615     | 454     | 461     | 504     |
| Mail income to contractors (thousands of dollars):                            |        |         |         |         |         |         |
| Domestic <sup>2</sup>                                                         | 7,433  | 20,016  | 26,234  | 23,414  | 15,722  | 17,266  |
| Domestic <sup>2</sup>                                                         | 7,205  | 14,703  | 19,294  | 16,467  | 8,804   | 10,993  |
| Foreign <sup>2</sup>                                                          | 227    | 5,313   | 6,940   | 6,946   | 6,918   | 6,503   |
| <b>MISCELLANEOUS<sup>7</sup></b>                                              |        |         |         |         |         |         |
| Airplane-miles flown, miscellaneous flying operations (thousands)             | 60,000 | 168,270 | 78,179  | 71,223  | 75,602  | 84,760  |
| Miles airways lighted by Department of Commerce:                              |        |         |         |         |         |         |
| Under construction                                                            | 6,988  | 15,258  | 10,500  | 18,655  | 19,081  | 22,012  |
|                                                                               | 2,314  | 3,221   |         | 2,638   | 3,048   | 338     |
| Beacons, revolving and flashing (federally operated):                         |        |         |         |         |         |         |
| Beacons, privately owned and certified:                                       | 1,188  | 1,652   | 1,968   | 1,796   | 1,520   | 1,898   |
| Radio communication stations:                                                 | 54     | 140     | 228     | 269     | 311     | 330     |
| Radio range beacon stations:                                                  | 29     | 45      | 61      | 68      | 71      | 74      |
| Radio marker beacons:                                                         | 2      | 33      | 68      | 94      | 112     | 137     |
| Weather reporting airway and airport stations <sup>8</sup> :                  |        |         |         |         |         |         |
| Weather Bureau first-order stations:                                          | 206    | 209     | 216     | 194     | 185     | 191     |
| Commercial and private airports:                                              | 365    | 564     | 645     | 713     | 618     | 552     |
| Municipal airports:                                                           | 368    | 550     | 549     | 563     | 702     | 780     |
| Intermediate landing fields—Department of Commerce—                           |        |         |         |         |         |         |
| Lighted                                                                       | 210    | 347     | 337     | 246     | 250     | 282     |
| Unlighted                                                                     |        | 7       | 15      | 19      | 9       | 9       |
| Auxiliary airports—marked:                                                    | 340    | 240     | 476     | 550     | 580     | 681     |
| Army, Navy, Marine Corps, National Guard, reserve and miscellaneous airports: | 81     | 74      | 95      | 97      | 138     | 156     |
| Pilots licensed (active), airplane <sup>9</sup> :                             | 4,837  | 15,280  | 18,594  | 13,090  | 13,949  | 14,805  |
| Airplanes licensed (active) <sup>9</sup> :                                    | 3,165  | 7,354   | 7,350   | 6,896   | 6,339   | 7,371   |

<sup>1</sup> Domestic and foreign; see note 2.<sup>2</sup> Domestic scheduled air lines operate within the continental limits of the United States; foreign operations cover activities of American air lines in foreign countries.<sup>3</sup> Includes operation and office personnel.<sup>4</sup> Not including express and freight privately carried.<sup>5</sup> Includes 1,719,919 airplane-miles flown by Army Air Corps.<sup>6</sup> Includes \$2,249,004 paid to Army Air Corps.<sup>7</sup> All data, except airplane-miles flown, are as of Dec. 31; figures, except as noted, cover the domestic field only.<sup>8</sup> Long line teletypewriter equipped.<sup>9</sup> Pilots and airplanes licensed by the American Government; figures include some pilots and airplanes operating on foreign extensions.

Source: Bureau of Air Commerce, Department of Commerce.

## 21.—WATERWAYS, WATER TRAFFIC, AND SHIPPING

[Data in this section cover the following areas unless otherwise indicated: From Board of Engineers of the United States Army and Bureau of Foreign and Domestic Commerce, United States customs area which includes Alaska, Hawaii, and Puerto Rico, and, beginning Jan. 1, 1935, Virgin Islands; from United States Shipping Board, continental United States]

*General note as to units of measurement.*—"Cargo tonnage" represents weight of cargo in long tons (2,240 pounds) or short tons (2,000 pounds). All other tonnage figures refer to capacity of vessels. The terms gross and net tonnage refer to space measurement, 100 cubic feet being called 1 ton. Gross tonnage is the capacity of the entire space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, stores, passengers or crew, with certain minor exemptions. Net or registered tonnage is what remains after deducting from the gross tonnage the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. It represents substantially space available for cargo and passengers. The net tonnage capacity of a ship recorded as "entered with cargo" may bear little relation to actual weight of cargo. Dead-weight tonnage is the weight in long tons required to depress a vessel from light water line (that is, with only the machinery and equipment on board) to load line. It is therefore the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety. Displacement tonnage (naval vessels) has reference to weight of the vessel itself with its normal equipment, fuel, etc.

### No. 462.—CARGO TONNAGE OF WATER-BORNE COMMERCE OF THE UNITED STATES

[In thousands of short tons of 2,000 pounds]

|                                                                       | 1929    | 1930    | 1931    | 1932    | 1933    | 1934    |
|-----------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|
| Foreign commerce, total.....                                          | 127,510 | 114,110 | 89,528  | 70,429  | 69,487  | 77,898  |
| Imports, through seaports.....                                        | 51,501  | 46,448  | 37,375  | 29,843  | 27,671  | 30,553  |
| Exports, through seaports.....                                        | 55,761  | 48,148  | 38,841  | 30,039  | 31,197  | 33,570  |
| Imports, Great Lakes ports.....                                       | 6,385   | 7,590   | 4,010   | 3,072   | 3,034   | 4,287   |
| Exports, Great Lakes ports.....                                       | 13,773  | 11,924  | 9,294   | 7,475   | 7,555   | 9,438   |
| Domestic commerce, unadjusted total.....                              | 527,535 | 477,290 | 403,918 | 319,870 | 377,777 | 403,027 |
| Coastwise, between ports.....                                         | 124,990 | 117,821 | 113,949 | 94,434  | 110,346 | 113,240 |
| Great Lakes, between ports.....                                       | 135,838 | 109,791 | 71,788  | 39,544  | 60,240  | 71,795  |
| Local traffic of seaports and Great Lakes ports <sup>1</sup> .....    | 91,892  | 81,403  | 70,814  | 57,929  | 57,993  | 64,744  |
| Traffic between seaports and river points.....                        | 39,032  | 35,601  | 34,044  | 24,134  | 23,244  | 31,179  |
| Traffic on rivers, canals, and connecting channels <sup>2</sup> ..... | 135,174 | 132,604 | 113,323 | 103,829 | 116,964 | 122,069 |
| Foreign and domestic, unadjusted total.....                           | 655,045 | 591,330 | 493,444 | 390,299 | 447,244 | 430,925 |
| Deduction of duplications:                                            |         |         |         |         |         |         |
| Traffic between seaports and river points.....                        | 39,632  | 35,601  | 34,044  | 24,134  | 23,244  | 31,179  |
| Other duplications (canals, etc.) <sup>3</sup> .....                  | 31,613  | 35,449  | 13,752  | 23,676  | 29,896  | 35,438  |
| Net total, foreign and domestic.....                                  | 583,800 | 520,280 | 445,648 | 342,489 | 394,104 | 414,308 |
| Approximate net total, domestic <sup>4</sup> .....                    | 456,290 | 406,170 | 356,122 | 272,060 | 324,637 | 336,410 |

<sup>1</sup> Includes the following, with figures for 1934: Harbor traffic of New York, Philadelphia, and San Francisco (37,470,000 tons); local traffic of other seaports (21,731,000); local traffic of lake ports (1,797,000).

<sup>2</sup> Excluding St. Marys Falls Canal traffic (42,248,000 tons in 1934) and additional Detroit River traffic (30,499,000 tons in 1934), both of which are already counted in Great Lakes traffic; also excluding duplications relating to rivers and canals themselves.

<sup>3</sup> Principally coastwise and lake traffic passing through canals and connecting channels, other than the St. Marys Falls Canal and the Detroit River.

<sup>4</sup> Estimated from data in this table on the assumption that all the duplications deducted from the grand total represent duplications in domestic traffic; there are, however, some minor cases of duplication connected with foreign traffic.

Source: Board of Engineers for Rivers and Harbors

## No. 463.—COMMERCE OF PRINCIPAL UNITED STATES OCEAN PORTS, 1934

NOTE.—In thousands of short tons of 2,000 pounds. In addition to the commerce here shown, many of the ports have (1) commerce with ports on internal rivers and canals; (2) purely local port traffic, including in the case of New York, Philadelphia, and San Francisco, what is called intraport traffic between parts of a harbor for which separate statistics are maintained. These forms of traffic, although the aggregate tonnage is large, are of much less economic importance than foreign and coastwise traffic

| Port                                       | Im-ports | Ex-ports | Coastwise |            | Port                                | Im-ports | Ex-ports | Coastwise |            |
|--------------------------------------------|----------|----------|-----------|------------|-------------------------------------|----------|----------|-----------|------------|
|                                            |          |          | Re-ceipts | Ship-ments |                                     |          |          | Re-ceipts | Ship-ments |
| Grand total.....                           | 30,553   | 33,570   | 115,440   | 111,039    | Gulf ports—Con.                     |          |          |           |            |
| Atlantic ports.....                        | 25,027   | 10,444   | 83,043    | 39,859     | Baton Rouge, La.....                | 169      | 592      | 26        | 2,480      |
| Searspoint, Me.....                        | 9        | 4        | 457       | 103        | Norco, Good Hope, St. Rose, La..... | 107      | 89       | 955       | 889        |
| Portland, Me.....                          | 342      | 21       | 1,943     | 280        | Galveston, Tex.....                 | 187      | 727      | 532       | 1,043      |
| Portsmouth, N.H.....                       | 32       | 2        | 317       | 1          | Texas City, Tex.....                | 17       | 107      | 104       | 2,136      |
| Boston Harbor, Mass.....                   | 2,579    | 238      | 11,120    | 1,233      | Houston, Tex.....                   | 353      | 3,213    | 1,030     | 12,730     |
| Beverly, Mass.....                         | 22       |          | 519       | 14         | Freeport, Tex.....                  |          | 187      | (?)       | 187        |
| Salem, Mass.....                           | (?)      |          | 585       |            | Port Aransas, Tex.....              |          |          |           | 646        |
| Lynn, Mass.....                            | 61       |          | 300       | (?)        | Sabine, Tex.....                    |          |          |           | 665        |
| New Bedford and Fairhaven, Mass.....       | (?)      | (?)      | 815       | 29         | Port Arthur, Tex.....               | 20       | 2,467    | 648       | 9,709      |
| Fall River, Mass.....                      | 97       |          | 1,468     | 569        | Beaumont, Tex.....                  | 153      | 1,398    | 1,033     | 12,104     |
| Providence, R.I.....                       | 308      | 3        | 4,004     | 1,350      | Corpus Christi, Tex.....            | 8        | 224      | 133       | 391        |
| New London, Conn.....                      | 15       |          | 448       | 77         | Pacific ports.....                  | 2,336    | 9,796    | 22,927    | 22,437     |
| New Haven, Conn.....                       | 7        |          | 2,153     | 236        | San Diego, Calif.....               | 40       | 10       | 447       | 25         |
| Bridgeport, Conn.....                      | 28       |          | 1,006     | 39         | Los Angeles, Calif.....             | 407      | 4,080    | 3,044     | 5,833      |
| Stamford, Conn.....                        |          |          | 255       | 20         | San Luis Obispo, Calif.....         |          | 486      | 3         | 1,729      |
| New York Harbor, N.Y.....                  | 11,915   | 5,979    | 28,569    | 8,046      | San Francisco Bay, Calif.....       | 770      | 1,020    | 8,122     | 5,419      |
| Hempstead, N.Y.....                        |          |          | 275       | 1,719      | Monterey, Calif.....                |          |          | 54        | 517        |
| Port Jefferson, N.Y.....                   |          |          | 86        | 675        | Humboldt, Calif.....                |          | 12       | 186       | 146        |
| Philadelphia, Pa. <sup>1</sup> .....       | 4,045    | 1,436    | 14,071    | 5,028      | Long Beach, Calif.....              | 53       | 316      | 894       | 1,469      |
| Baltimore, Md.....                         | 3,006    | 629      | 4,484     | 1,463      | Coos Bay, Oreg.....                 |          | 168      | 55        | 127        |
| Hampton Roads, Va.....                     | 749      | 979      | 1,848     | 16,337     | Portland, Oreg.....                 | 79       | 794      | 2,577     | 917        |
| Wilmington, N.C.....                       | 133      | 32       | 832       | 25         | Other ports on Columbia and Wil-    |          |          |           |            |
| Charleston Harbor, S.C. <sup>2</sup> ..... | 337      | 174      | 949       | 248        | iamette Rivers.....                 | 1        | 80       | 122       | 210        |
| Savannah, Ga.....                          | 401      | 304      | 1,084     | 494        | Longview, Wash.....                 | 5        | 109      | 101       | 279        |
| Brunswick, Ga.....                         | 81       | 51       | 259       | 213        | Grays Harbor, Wash.....             |          | 320      | 128       | 253        |
| Jacksonville, Fla.....                     | 161      | 311      | 1,342     | 892        | Port Gamble, Wash.....              |          |          | 28        | 147        |
| Miami, Fla.....                            | 14       | 33       | 491       | 111        | Olympia, Wash.....                  |          | 82       | 113       | 257        |
| Key West, Fla.....                         | 25       | 51       | 43        | 3          | Tacoma, Wash.....                   | 216      | 353      | 500       | 553        |
| San Juan, P. R.....                        | 204      | 18       | 406       | 238        | Seattle, Wash.....                  | 259      | 584      | 3,024     | 1,233      |
| Ponce Harbor, P. R.....                    | 49       | 1        | 93        | 202        | Everett, Wash.....                  | 17       | 77       | 98        | 196        |
| Gulf ports.....                            | 3,191    | 13,330   | 9,470     | 48,944     | Anacortes, Wash.....                | 33       | 26       | 140       | 68         |
| Charlotte, Fla.....                        |          | 218      | 1         | 338        | Bellingham, Wash.....               | 28       | 120      | 107       | 278        |
| Tampa, Fla.....                            | 67       | 944      | 1,015     | 951        | Port Angeles, Wash.....             | 181      | 47       | 232       | 129        |
| Pensacola, Fla.....                        | 44       | 311      | 147       | 52         | Port Townsend, Wash.....            | 31       | 1        | 292       | 51         |
| Mobile, Ala.....                           | 180      | 678      | 832       | 548        | Port Ludlow, Wash.....              |          | 21       | 1         | 184        |
| Gulfpport, Miss.....                       | 35       | 151      | 18        |            | Honolulu, Hawaii.....               | 73       | 17       | 1,118     | 779        |
| New Orleans, La.....                       | 1,818    | 1,861    | 2,896     | 2,502      | Kahului, Hawaii.....                | 11       | 1        | 158       | 211        |
|                                            |          |          |           |            | Hilo, Hawaii.....                   | 12       | 8        | 158       | 250        |

<sup>1</sup> Less than 500 tons.

<sup>2</sup> Including Delaware and Schuylkill Rivers, Pa.

<sup>3</sup> Including Ashley River.

Source: Annual Report of the Chief of Engineers, United States Army.

## No. 464.—GREAT LAKES, COMMERCE OF THE PRINCIPAL PORTS

NOTE.—In thousands of short tons of 2,000 pounds. Foreign imports and exports and coastwise receipts and shipments are included

| Port                 | Receipts |        |        |        | Shipments |        |        |        |
|----------------------|----------|--------|--------|--------|-----------|--------|--------|--------|
|                      | 1931     | 1932   | 1933   | 1934   | 1931      | 1932   | 1933   | 1934   |
| Total.....           | 74,300   | 42,484 | 72,230 | 75,341 | 82,586    | 47,151 | 76,549 | 82,083 |
| Agate Bay, Minn..... | 67       | 7      | 65     | 80     | 3,742     | 400    | 3,878  | 3,584  |
| Alpena, Mich.....    | 207      | 133    | 144    | 143    | 1,412     | 1,763  | 2,146  | 1,178  |
| Ashland, Wis.....    | 590      | 337    | 287    | 310    | 3,259     | 756    | 2,639  | 2,561  |
| Ashtabula, Ohio..... | 2,123    | 406    | 2,338  | 1,961  | 4,021     | 3,490  | 3,382  | 4,387  |
| Buffalo, N.Y.....    | 9,695    | 6,716  | 9,223  | 8,002  | 2,359     | 2,016  | 2,003  | 2,230  |

## No. 464.—GREAT LAKES, COMMERCE OF THE PRINCIPAL PORTS—Continued

| Port                          | Receipts |       |       |       | Shipments |       |        |        |
|-------------------------------|----------|-------|-------|-------|-----------|-------|--------|--------|
|                               | 1931     | 1932  | 1933  | 1934  | 1931      | 1932  | 1933   | 1934   |
| Calumet, Mich.                | 40       | 24    | 169   | 55    | 3,753     | 1,323 | 2,643  | 3,208  |
| Charlotte, N. Y. (Rochester). | 138      | 74    | 83    | 50    | 851       | 503   | 427    | 446    |
| Chicago, Ill.                 | 7,046    | 2,741 | 5,977 | 6,098 | 2,472     | 2,112 | 1,936  | 1,509  |
| Cleveland, Ohio.              | 4,683    | 2,230 | 6,929 | 5,968 | 1,953     | 1,929 | 2,673  | 2,627  |
| Conneaut, Ohio.               | 4,246    | 369   | 3,146 | 3,691 | 1,426     | 832   | 1,211  | 1,828  |
| Detroit, Mich. <sup>1</sup>   | 7,813    | 6,218 | 7,659 | 8,293 | 761       | 687   | 1,290  | 1,069  |
| Duluth-Superior               | 8,766    | 6,615 | 7,251 | 9,228 | 17,692    | 3,904 | 15,328 | 16,322 |
| Erie, Pa.                     | 1,269    | 306   | 1,405 | 1,556 | 2,416     | 1,753 | 2,336  | 2,432  |
| Escanaba, Mich.               | 154      | 119   | 204   | 279   | 1,784     | 368   | 1,833  | 1,713  |
| Fairport, Ohio.               | 1,719    | 674   | 2,214 | 1,555 | 529       | 1,052 | 967    | 937    |
| Frankfort, Mich.              | 607      | 656   | 467   | 557   | 480       | 375   | 324    | 339    |
| Gary, Ind.                    | 3,997    | 379   | 2,701 | 3,211 | 60        | 58    | 55     | 24     |
| Grand Haven, Mich.            | 365      | 242   | 204   | 89    | 447       | 595   | 214    | 65     |
| Green Bay, Wis.               | 1,374    | 1,197 | 1,536 | 1,593 | 6         | 18    | 19     | 25     |
| Huron, Ohio.                  | 459      | 205   | 583   | 448   | 828       | 599   | 617    | 656    |
| Indiana Harbor, Ind.          | 3,012    | 838   | 2,275 | 3,520 | 1,406     | 1,478 | 1,319  | 1,750  |
| Kewaunee, Wis.                | 168      | 151   | 119   | 112   | 207       | 149   | 169    | 198    |
| Lorain, Ohio.                 | 2,266    | 772   | 2,870 | 2,705 | 1,468     | 981   | 1,143  | 1,088  |
| Ludington, Mich.              | 222      | 540   | 699   | 742   | 1,641     | 872   | 901    | 830    |
| Manistique, Mich.             | 88       | 50    | 48    | 62    | 85        | 61    | 81     | 103    |
| Manitowoc, Wis.               | 1,083    | 801   | 821   | 782   | 503       | 514   | 404    | 441    |
| Marquette Harbor, Mich.       | 162      | 99    | 149   | 152   | 450       | 137   | 467    | 696    |
| Marquette Bay, Mich.          |          |       |       |       | 1,872     | 200   | 2,194  | 1,748  |
| Monominee, Mich. and Wis.     | 409      | 338   | 508   | 644   | 173       | 108   | 111    | 119    |
| Milwaukee, Wis.               | 4,840    | 4,185 | 4,826 | 4,837 | 1,682     | 1,044 | 1,508  | 1,194  |
| Muskegon, Mich.               | 583      | 285   | 539   | 785   | 94        | 313   | 179    | 333    |
| Ogdensburg, N. Y.             | 404      | 409   | 386   | 475   | 460       | 323   | 190    | 232    |
| Oswego, N. Y.                 | 19       | 117   | 260   | 145   | 87        | 162   | 169    | 209    |
| Port Huron, Mich.             | 383      | 526   | 538   | 439   | 17        | 2     | 7      | 7      |
| Port Inland Harbor, Mich.     |          |       |       |       | 766       | 230   | 920    | 1,000  |
| Rockport, Mich.               | 5        | 6     | 5     |       | 519       | 168   | 202    | 234    |
| Saginaw River, Mich.          | 738      | 441   | 731   | 865   | 312       | 366   | 308    | 506    |
| Sandusky, Ohio.               | 41       | 62    | 12    | 3     | 6,498     | 4,644 | 6,114  | 6,281  |
| Sault Ste. Marie, Mich.       | 494      | 320   | 405   | 541   | (3)       | 1     | 9      | 20     |
| Sheboygan, Wis.               | 368      | 468   | 449   | 414   | 11        | 12    | 7      | 2      |
| Sturgeon Bay, Wis.            | 27       | 23    | 12    | 24    | 210       | 198   | 78     | 178    |
| Toledo, Ohio.                 | 1,439    | 1,035 | 1,865 | 2,107 | 13,133    | 9,687 | 12,684 | 16,142 |
| All other.                    | 2,161    | 1,870 | 2,148 | 2,006 | 1,851     | 958   | 1,400  | 1,572  |

<sup>1</sup> Includes Chicago Harbor, Chicago River and Calumet Harbor.<sup>2</sup> Includes Rouge River and Wyandotte, Michigan.<sup>3</sup> Less than 500 tons.

Source: Annual Report of the Chief of Engineers, United States Army.

## No. 465.—NEW YORK STATE CANALS: TONNAGE OF FREIGHT MOVED

NOTE.—In short tons of 2,000 pounds. Tonnage handled over State terminals but not moved through any portion of the canal channel is not included

| Yearly average | All canals | Erie division, freight originating | Yearly average or year | All canals | Erie division, freight originating |           |                     |           |
|----------------|------------|------------------------------------|------------------------|------------|------------------------------------|-----------|---------------------|-----------|
|                |            |                                    |                        |            | Total                              | Grain     | Sand, gravel, stone | Petroleum |
| 1837-1840      | 1,339,016  | 771,741                            | 1911-1915              | 2,448,837  | 1,626,451                          |           |                     |           |
| 1841-1845      | 1,613,317  | 884,522                            | 1916-1920              | 1,848,365  | 708,706                            |           |                     |           |
| 1846-1850      | 2,781,410  | 1,559,696                          | 1921-1925              | 1,905,291  | 1,548,408                          | 630,453   | 333,250             | 191,406   |
| 1851-1855      | 3,976,501  | 2,141,476                          | 1926-1930              | 2,904,575  | 2,397,042                          | 933,602   | 282,649             | 397,328   |
| 1856-1860      | 3,911,407  | 1,899,769                          | 1931-1935              | 4,014,269  | 3,616,522                          | 923,230   | 105,677             | 1,202,495 |
| 1861-1865      | 5,049,341  | 2,748,929                          | 1927                   | 2,581,892  | 2,047,774                          | 791,037   | 325,076             | 327,616   |
| 1866-1870      | 6,987,724  | 3,018,359                          | 1928                   | 3,039,998  | 2,535,684                          | 1,118,788 | 307,642             | 343,593   |
| 1871-1875      | 5,974,097  | 3,326,073                          | 1929                   | 2,875,160  | 2,422,204                          | 810,385   | 229,047             | 398,831   |
| 1876-1880      | 5,219,888  | 3,642,020                          | 1930                   | 3,605,467  | 3,044,271                          | 1,152,200 | 264,262             | 653,399   |
| 1881-1885      | 5,210,389  | 3,495,590                          |                        |            |                                    |           |                     |           |
| 1886-1890      | 5,281,441  | 3,589,631                          | 1931                   | 3,722,012  | 3,277,936                          | 1,140,471 | 202,978             | 781,867   |
| 1891-1895      | 4,112,661  | 2,962,528                          | 1932                   | 3,643,433  | 3,186,094                          | 1,039,698 | 130,674             | 880,095   |
| 1896-1900      | 3,644,951  | 2,446,056                          | 1933                   | 4,074,002  | 3,674,951                          | 705,960   | 94,182              | 1,239,632 |
| 1901-1905      | 3,335,210  | 2,144,492                          | 1934                   | 4,142,728  | 3,645,125                          | 883,510   | 35,483              | 1,513,020 |
| 1906-1910      | 3,238,129  | 2,206,595                          | 1935                   | 4,489,172  | 3,898,506                          | 887,520   | 65,066              | 1,597,863 |

Source: Commissioner of Canals and Waterways, Department of Public Works, State of New York.

### No. 466.—ST. MARYS FALLS CANAL (SAULT STE. MARIE): GENERAL TRAFFIC STATISTICS

NOTE.—Includes both American and Canadian canals and traffic to and from Canadian as well as American ports. Average distances, ton-miles, freight charges, etc., are based on total haul from port of origin to port of destination in process of performance by vessels passing through the canals

| Season | Freight carried (1,000 short tons of 2,000 pounds) |            |            |                     |                                       | Total ton-miles (millions) | Freight charges        |                                  | Valuation of freight (millions of dollars) |
|--------|----------------------------------------------------|------------|------------|---------------------|---------------------------------------|----------------------------|------------------------|----------------------------------|--------------------------------------------|
|        | Total                                              | East-bound | West-bound | By American vessels | By Canadian and other foreign vessels |                            | Amount (1,000 dollars) | Average per ton per mile (mills) |                                            |
| 1890   | 9,041                                              | 6,429      | 2,612      | 8,679               | 362                                   | 7,207                      | 9,472                  | 1.30                             | 102                                        |
| 1895   | 15,063                                             | 12,030     | 3,033      | 14,487              | 566                                   | 12,568                     | 14,239                 | 1.14                             | 160                                        |
| 1900   | 25,643                                             | 20,532     | 5,111      | 24,896              | 747                                   | 21,179                     | 24,953                 | 1.18                             | 267                                        |
| 1905   | 44,271                                             | 36,779     | 7,492      | 42,061              | 2,210                                 | 36,893                     | 31,421                 | .85                              | 417                                        |
| 1910   | 62,303                                             | 47,134     | 15,229     | 58,569              | 3,794                                 | 52,406                     | 38,711                 | .74                              | 654                                        |
| 1915   | 71,290                                             | 56,369     | 14,921     | 66,877              | 4,413                                 | 59,317                     | 41,984                 | .71                              | 882                                        |
| 1920   | 79,282                                             | 63,464     | 15,818     | 74,866              | 4,416                                 | 64,702                     | 85,742                 | 1.33                             | 1,120                                      |
| 1921   | 48,269                                             | 32,113     | 16,146     | 43,016              | 5,243                                 | 38,043                     | 43,344                 | 1.14                             | 746                                        |
| 1922   | 66,067                                             | 55,020     | 11,047     | 60,812              | 5,255                                 | 53,564                     | 64,154                 | 1.20                             | 957                                        |
| 1923   | 61,380                                             | 71,236     | 20,144     | 83,795              | 7,585                                 | 73,218                     | 80,843                 | 1.10                             | 1,026                                      |
| 1924   | 72,037                                             | 58,840     | 15,197     | 65,447              | 6,590                                 | 58,579                     | 59,769                 | 1.02                             | 1,080                                      |
| 1925   | 81,875                                             | 67,305     | 14,570     | 75,764              | 6,111                                 | 65,577                     | 71,093                 | 1.08                             | 1,118                                      |
| 1926   | 85,679                                             | 69,580     | 16,149     | 78,006              | 7,673                                 | 69,360                     | 78,517                 | 1.13                             | 1,064                                      |
| 1927   | 83,354                                             | 64,393     | 18,961     | 76,091              | 7,264                                 | 67,387                     | 69,331                 | 1.03                             | 1,132                                      |
| 1928   | 86,993                                             | 70,166     | 16,827     | 78,072              | 8,921                                 | 70,259                     | 81,281                 | 1.16                             | 1,183                                      |
| 1929   | 62,622                                             | 74,840     | 17,782     | 85,839              | 6,788                                 | 74,881                     | 80,268                 | 1.07                             | 1,000                                      |
| 1930   | 72,898                                             | 67,067     | 15,831     | 67,500              | 5,338                                 | 59,058                     | 61,159                 | 1.04                             | 701                                        |
| 1931   | 44,614                                             | 32,687     | 11,927     | 38,584              | 6,060                                 | 36,342                     | 37,080                 | 1.02                             | 522                                        |
| 1932   | 20,481                                             | 11,322     | 8,659      | 14,274              | 6,207                                 | 17,091                     | 16,093                 | .94                              | 355                                        |
| 1933   | 40,308                                             | 30,544     | 9,764      | 33,067              | 6,340                                 | 33,139                     | 33,807                 | 1.02                             | 534                                        |
| 1934   | 42,248                                             | 30,455     | 11,793     | 36,218              | 6,030                                 | 34,412                     | 35,153                 | 1.02                             | 620                                        |
| 1935   | 48,293                                             | 37,192     | 11,101     | 41,532              | 6,761                                 | 39,141                     | 41,733                 | 1.07                             | 688                                        |

|                                        | 1910    | 1915    | 1920    | 1925    | 1930    | 1934    | 1935    |
|----------------------------------------|---------|---------|---------|---------|---------|---------|---------|
| Passengers carried.....number.....     | 66,933  | 50,336  | 68,451  | 56,956  | 45,303  | 33,536  | 32,937  |
| Freight, eastbound.....1,000 tons..... | 47,134  | 58,369  | 63,464  | 87,305  | 57,067  | 30,455  | 37,192  |
| Flour.....1,000 bbls.....              | 7,576   | 8,437   | 7,478   | 9,289   | 8,632   | 6,162   | 6,841   |
| Wheat.....1,000 bus.....               | 80,260  | 255,482 | 143,456 | 262,818 | 243,927 | 173,034 | 179,003 |
| Other grain.....do.....                | 39,243  | 64,755  | 51,630  | 149,927 | 55,434  | 46,499  | 43,107  |
| Lumber.....1,000 ft. b. m.....         | 603,101 | 456,451 | 192,854 | 186,486 | 150,986 | 27,897  | 40,044  |
| Pulpwood.....1,000 cords.....          |         |         |         |         |         | 130     | 114     |
| Iron ore.....1,000 short tons.....     | 41,600  | 45,212  | 56,643  | 53,821  | 46,990  | 22,045  | 29,278  |
| All other.....do.....                  | 380     | 506     | 176     | 222     | 351     | 421     | 630     |
| Freight, westbound.....1,000 tons..... | 15,899  | 14,921  | 15,818  | 14,570  | 15,831  | 11,793  | 11,101  |
| Coal.....do.....                       | 13,514  | 13,357  | 14,156  | 12,874  | 14,059  | 10,408  | 9,102   |
| All other.....do.....                  | 1,715   | 1,564   | 1,662   | 1,696   | 1,772   | 1,385   | 1,939   |

<sup>1</sup> 1,000 ft. b. m.

### No. 467.—OHIO RIVER TRAFFIC: TONNAGE, TON-MILEAGE, AND FREIGHT

NOTE.—Figures exclude ferry traffic. In 1934 the tons of freight carried on ferries were reported as 1,072,249 but the hauls, of course, are very short. The passengers carried other than on ferries for 1934 were 1,228,720. Leaders indicate data not available

| Year      | Freight carried  | Ton-miles | Value of freight | Year            | Freight carried  | Ton-miles | Value of freight |
|-----------|------------------|-----------|------------------|-----------------|------------------|-----------|------------------|
|           | 1,000 short tons | Thousands | 1,000 dollars    |                 | 1,000 short tons | Thousands | 1,000 dollars    |
| 1922..... | 6,292            | 807,793   | 144,796          | 1933—Total..... | 16,761           | 1,708,422 | 199,235          |
| 1923..... | 8,281            | —         | 110,022          | Up.....         | 2,518            | —         | 37,110           |
| 1924..... | 10,867           | —         | 128,356          | Down.....       | 4,408            | —         | 35,418           |
| 1925..... | 15,737           | 825,497   | 151,622          | Inbound.....    | 7,929            | —         | 73,429           |
| 1926..... | 19,755           | —         | 150,085          | Outbound.....   | 1,890            | —         | 53,278           |
| 1927..... | 20,129           | 1,214,491 | 168,423          |                 |                  |           |                  |
| 1928..... | 20,938           | 1,344,687 | 191,519          | 1934—Total..... | 18,638           | 1,768,925 | 224,444          |
| 1929..... | 21,955           | 1,512,585 | 192,308          | Up.....         | 2,265            | —         | 34,899           |
| 1930..... | 22,337           | 1,473,927 | 188,245          | Down.....       | 4,987            | —         | 36,579           |
| 1931..... | 18,071           | 1,486,445 | 166,987          | Inbound.....    | 9,009            | —         | 81,532           |
| 1932..... | 14,317           | 1,392,229 | 153,787          | Outbound.....   | 2,374            | —         | 71,435           |

Source of tables 466 and 467: Reports of the Chief of Engineers, United States Army.

# No. 468.—LOWER MISSISSIPPI RIVER TRAFFIC: FREIGHT BY SECTIONS, AND PETROLEUM AT BATON ROUGE

NOTE.—In shorttons of 2,000 pounds. Each section of the river is treated separately and some of the traffic of each is duplicated in others. The section "Between Ohio and Illinois Rivers" for 1923 to 1927 was reported as "Between Ohio and Missouri Rivers." Ferry traffic is not included

| Year      | Between Ohio and Illinois Rivers |            | Cairo to Memphis |            | Memphis to Vicksburg |            | Vicksburg to New Orleans |            | Petroleum, Baton Rouge <sup>1</sup> |           |
|-----------|----------------------------------|------------|------------------|------------|----------------------|------------|--------------------------|------------|-------------------------------------|-----------|
|           | Up-bound                         | Down-bound | Up-bound         | Down-bound | Up-bound             | Down-bound | Up-bound                 | Down-bound | Receipts                            | Shipments |
| 1923----- | 263,729                          | 450,339    | 395,828          | 652,494    | 724,953              | 727,884    | 1,583,880                | 3,909,417  | 746,381                             | 2,614,074 |
| 1924----- | 300,009                          | 438,719    | 528,431          | 824,590    | 917,475              | 748,985    | 1,589,202                | 6,044,075  | 766,463                             | 872,316   |
| 1925----- | 420,246                          | 583,323    | 651,002          | 1,037,652  | 1,391,234            | 1,821,025  | 1,363,254                | 7,738,396  | 497,616                             | 356,639   |
| 1926----- | 420,379                          | 585,600    | 732,729          | 927,459    | 1,165,142            | 1,627,638  | 1,462,325                | 9,612,163  | 2,828,072                           | 116,517   |
| 1927----- | 443,459                          | 659,743    | 839,718          | 1,304,599  | 1,371,134            | 2,980,963  | 1,727,352                | 7,089,393  | 2,150,476                           | 633,338   |
| 1928----- | 474,173                          | 956,010    | 855,631          | 1,075,625  | 1,856,842            | 2,946,998  | 1,680,541                | 6,974,085  | 1,372,071                           | 4,804,534 |
| 1929----- | 309,986                          | 581,770    | 690,019          | 1,629,315  | 1,362,443            | 1,472,617  | 1,530,519                | 6,196,864  | 1,424,738                           | 830,807   |
| 1930----- | 341,168                          | 585,799    | 726,417          | 2,104,930  | 949,015              | 1,428,553  | 2,540,936                | 6,636,769  | 830,296                             | 566,642   |
| 1931----- | 467,685                          | 835,349    | 1,277,699        | 2,558,516  | 1,040,689            | 1,362,837  | 2,453,467                | 6,335,923  | 930,246                             | 3,706,431 |
| 1932----- | 608,982                          | 968,408    | 1,140,997        | 1,794,265  | 2,200,094            | 2,574,598  | 2,589,318                | 5,893,243  | 644,754                             | 310,094   |
| 1933----- | 846,176                          | 1,153,787  | 1,259,447        | 1,618,106  | 1,814,826            | 2,153,501  | 2,739,496                | 6,373,243  | 432,813                             | 423,240   |
| 1934----- | 951,028                          | 906,983    | 1,379,090        | 1,696,416  | 2,095,591            | 1,784,720  | 3,478,841                | 5,708,126  | 670,890                             | 4,011,825 |

|                                           | Between Ohio and Illinois Rivers |         | Cairo to Memphis |           | Memphis to Vicksburg |           | Vicksburg to New Orleans |           |
|-------------------------------------------|----------------------------------|---------|------------------|-----------|----------------------|-----------|--------------------------|-----------|
|                                           | 1933                             | 1934    | 1933             | 1934      | 1933                 | 1934      | 1933                     | 1934      |
| Upbound-----                              | 846,176                          | 951,028 | 1,259,447        | 1,379,090 | 1,814,826            | 2,095,591 | 2,739,496                | 3,478,841 |
| Coffee-----                               | 46,341                           | 37,761  | 55,940           | 59,159    | 65,766               | 70,829    | 68,141                   | 73,895    |
| Fruits and vegetables, canned-----        | 26,997                           | 18,061  | 36,076           | 29,456    | 45,091               | 36,887    | 48,914                   | 42,894    |
| Sugar-----                                | 100,927                          | 165,329 | 283,313          | 314,790   | 332,672              | 346,939   | 359,761                  | 371,550   |
| Sisal-----                                | 52,291                           | 26,969  | 47,180           | 31,369    | 47,895               | 31,285    | 47,875                   | 31,485    |
| Burlap and bagging-----                   | 21,060                           | 14,509  | 35,735           | 18,924    | 41,110               | 21,973    | 42,069                   | 22,669    |
| Logs, barged-----                         |                                  |         | 9,865            | 2,425     | 17,249               | 34,411    | 787                      | 3,587     |
| Petroleum and products <sup>2</sup> ----- | 7,079                            | 35,038  | 237,902          | 314,366   | 499,878              | 688,917   | 1,686,428                | 2,415,160 |
| Gravel and sand-----                      |                                  | 114,700 | 13,691           | 73,785    | 211,733              | 402,243   | 600                      | 36,112    |
| Cement-----                               | 20,781                           | 32,048  | 2,689            | 2,783     | 12,500               | 6,300     | 19,668                   | 20,943    |
| Concrete-----                             |                                  |         | 26,528           | 59,100    | 140,864              | 38,735    | 81,274                   | 75,604    |
| Sulphur-----                              | 46,045                           | 63,004  | 86,964           | 88,895    | 89,147               | 88,895    | 80,364                   | 89,659    |
| All other-----                            | 514,655                          | 443,009 | 423,664          | 384,038   | 310,921              | 328,177   | 298,715                  | 295,283   |
| Downbound-----                            | 1,153,787                        | 906,983 | 1,618,106        | 1,696,416 | 2,153,501            | 1,784,720 | 6,373,243                | 5,708,126 |
| Wheat-----                                | 21,497                           | 8,962   | 10,464           | 9,367     | 2,888                | 1,482     | 2,888                    | 1,482     |
| Corn-----                                 | 164,072                          | 119,103 | 141,416          | 124,583   | 132,000              | 95,871    | 131,992                  | 101,936   |
| Fruits and vegetables, canned-----        | 13,193                           | 15,220  | 42,827           | 37,322    | 32,295               | 25,396    | 30,600                   | 24,552    |
| Tobacco-----                              | 766                              | 2,040   | 8,781            | 8,784     | 27,864               | 23,527    | 26,390                   | 23,849    |
| Cotton, raw-----                          |                                  | 1,547   | 14,826           | 8,967     | 49,816               | 28,598    | 79,024                   | 53,826    |
| Logs, barged-----                         | 399                              | 35      | 9,805            | 3,210     | 1,430                | 39,972    | 67,485                   | 55,358    |
| Logs, rafted or floated-----              | 450                              | 210     | 112,764          | 64,849    | 210,053              | 137,472   | 45,975                   | 50,990    |
| Coal and coke <sup>2</sup> -----          | 38,044                           | 100,957 | 100,774          | 123,390   | 34,473               | 38,246    | 64,265                   | 7,299     |
| Petroleum and products <sup>2</sup> ----- | 51,401                           | 126,909 | 18,018           | 43,143    | 390,021              | 369,065   | 5,472,485                | 4,886,273 |
| Stone-----                                | 494,753                          | 216,388 | 81,468           | 137,603   | 121,567              | 77,641    |                          | 2,869     |
| Gravel and sand-----                      | 3,541                            | 375     | 238,837          | 164,190   | 279,686              | 231,426   | 5,848                    | 29,485    |
| Cement-----                               | 43,451                           | 64,860  | 71,821           | 91,798    | 9,419                | 6,815     | 1,694                    | 52        |
| Concrete-----                             |                                  |         | 164,193          | 115,779   | 171,930              | 222,418   |                          |           |
| Iron and steel products-----              | 50,894                           | 40,604  | 280,697          | 392,908   | 165,180              | 166,284   | 128,645                  | 186,141   |
| Machinery-----                            | 8,775                            | 6,289   | 13,463           | 46,164    | 21,243               | 39,574    | 14,285                   | 18,057    |
| All other-----                            | 272,551                          | 183,964 | 309,152          | 323,384   | 503,646              | 280,683   | 301,667                  | 262,957   |

<sup>1</sup> Traffic is also included in report for Vicksburg to New Orleans.

<sup>2</sup> Petroleum coke is included with coal and coke.

Source: Annual Report of the Chief of Engineers, United States Army.

## No. 469.—UNITED STATES MERCHANT MARINE: DOCUMENTED TONNAGE

NOTE.—For definition of "gross ton" see general note, p. 403. All data after 1840 are as of June 30

| Year              | Number |                 |                        | Thousands of gross tons |                 |                        | Tonnage (thousands of gross tons) employed in— |                               |                 |                            |
|-------------------|--------|-----------------|------------------------|-------------------------|-----------------|------------------------|------------------------------------------------|-------------------------------|-----------------|----------------------------|
|                   | Total  | Steam and motor | All other <sup>1</sup> | Total                   | Steam and motor | All other <sup>1</sup> | Foreign trade                                  | Coast-wise and internal trade | Whale fisheries | Ood and mackerel fisheries |
| 1789 <sup>2</sup> |        |                 |                        | 202                     |                 | 202                    | 124                                            | 69                            |                 | 9                          |
| 1800 <sup>2</sup> |        |                 |                        | 972                     |                 | 972                    | 607                                            | 272                           | 3               | 29                         |
| 1810 <sup>2</sup> |        |                 |                        | 1,425                   |                 | 1,425                  | 981                                            | 405                           | 4               | 36                         |
| 1820 <sup>2</sup> |        |                 |                        | 1,280                   |                 | 1,280                  | 584                                            | 588                           | 36              | 72                         |
| 1830 <sup>2</sup> |        |                 |                        | 1,192                   | 64              | 1,127                  | 538                                            | 517                           | 40              | 98                         |
| 1840 <sup>2</sup> |        |                 |                        | 2,181                   | 202             | 1,978                  | 763                                            | 1,177                         | 137             | 104                        |
| 1850 <sup>2</sup> |        |                 |                        | 3,535                   | 523             | 3,010                  | 1,440                                          | 1,798                         | 146             | 152                        |
| 1860              |        |                 |                        | 5,354                   | 868             | 4,480                  | 2,379                                          | 2,045                         | 187             | 163                        |
| 1870              | 28,908 | 3,524           | 25,474                 | 4,247                   | 1,075           | 3,171                  | 1,449                                          | 2,638                         | 68              | 91                         |
| 1880              | 24,712 | 4,717           | 19,995                 | 4,068                   | 1,212           | 2,856                  | 1,314                                          | 2,638                         | 38              | 78                         |
| 1890              | 23,467 | 5,905           | 17,562                 | 4,424                   | 1,859           | 2,565                  | 928                                            | 3,409                         | 19              | 68                         |
| 1900              | 23,333 | 7,053           | 16,280                 | 5,165                   | 2,858           | 2,307                  | 817                                            | 4,287                         | 10              | 52                         |
| 1910              | 26,740 | 12,452          | 13,288                 | 7,508                   | 4,900           | 2,608                  | 783                                            | 6,669                         | 9               | 47                         |
| 1915              | 26,701 | 15,948          | 10,753                 | 8,389                   | 5,944           | 2,446                  | 1,863                                          | 6,486                         | 9               | 32                         |
| 1920              | 28,183 | 18,814          | 9,369                  | 10,324                  | 13,823          | 2,501                  | 9,925                                          | 6,368                         | 4               | 38                         |
| 1924              | 28,576 | 18,750          | 7,825                  | 17,741                  | 15,315          | 2,425                  | 8,794                                          | 8,911                         | 3               | 32                         |
| 1925              | 28,367 | 18,637          | 7,730                  | 17,406                  | 14,976          | 2,430                  | 8,151                                          | 9,216                         | 4               | 35                         |
| 1926              | 26,343 | 18,689          | 7,654                  | 17,311                  | 14,848          | 2,463                  | 7,710                                          | 9,562                         | 3               | 38                         |
| 1927              | 25,778 | 18,384          | 7,394                  | 16,888                  | 14,507          | 2,381                  | 7,309                                          | 9,533                         | 8               | 38                         |
| 1928              | 25,355 | 18,270          | 7,115                  | 16,683                  | 14,347          | 2,336                  | 6,534                                          | 9,706                         | 7               | 34                         |
| 1929              | 25,326 | 18,319          | 7,007                  | 16,477                  | 14,102          | 2,315                  | 6,906                                          | 9,526                         | 7               | 39                         |
| 1930              | 25,214 | 18,211          | 7,003                  | 16,068                  | 13,767          | 2,311                  | 6,296                                          | 9,723                         | 7               | 42                         |
| 1931              | 26,471 | 18,236          | 7,235                  | 16,008                  | 13,528          | 2,380                  | 5,570                                          | 10,286                        | 7               | 40                         |
| 1932              | 25,160 | 18,224          | 6,932                  | 15,830                  | 13,568          | 2,271                  | 5,071                                          | 10,728                        | 2               | 38                         |
| 1933              | 24,808 | 18,182          | 6,686                  | 15,060                  | 12,802          | 2,198                  | 4,701                                          | 10,313                        | 9               | 37                         |
| 1934              | 24,904 | 18,335          | 6,569                  | 14,862                  | 12,687          | 2,175                  | 4,508                                          | 10,220                        | 9               | 35                         |
| 1935              | 24,019 | 18,495          | 6,424                  | 14,654                  | 12,535          | 2,118                  | 4,560                                          | 10,049                        | 9               | 35                         |

| Classes                              | Number |        |        |        |        | Thousands of gross tons |        |        |        |        |
|--------------------------------------|--------|--------|--------|--------|--------|-------------------------|--------|--------|--------|--------|
|                                      | 1910   | 1920   | 1930   | 1934   | 1935   | 1910                    | 1920   | 1930   | 1934   | 1935   |
| By utilization:                      |        |        |        |        |        |                         |        |        |        |        |
| Registered—                          |        |        |        |        |        |                         |        |        |        |        |
| Foreign trade.....                   | 1,490  | 5,932  | 4,175  | 3,323  | 3,850  | 783                     | 9,925  | 6,290  | 4,598  | 4,590  |
| Whale fisheries....                  | 36     | 26     | 14     | 14     | 14     | 9                       | 4      | 7      | 9      | 9      |
| Enrolled—                            |        |        |        |        |        |                         |        |        |        |        |
| Coasting and internal trade.....     | 13,854 | 12,181 | 12,497 | 12,219 | 12,041 | 6,555                   | 8,233  | 9,908  | 10,109 | 9,028  |
| Ood and mackerel fisheries.....      | 395    | 196    | 261    | 232    | 230    | 39                      | 32     | 36     | 30     | 30     |
| Licensed—                            |        |        |        |        |        |                         |        |        |        |        |
| Coasting and internal trade.....     | 9,328  | 9,403  | 8,004  | 8,382  | 8,553  | 114                     | 124    | 115    | 120    | 122    |
| Ood and mackerel fisheries.....      | 837    | 385    | 263    | 229    | 222    | 8                       | 6      | 6      | 5      | 5      |
| By location:                         |        |        |        |        |        |                         |        |        |        |        |
| Atlantic and Gulf <sup>3</sup> ..... | 17,084 | 16,850 | 14,321 | 14,324 | 14,310 | 3,523                   | 9,739  | 9,904  | 9,932  | 9,837  |
| Pacific <sup>4</sup> .....           | 3,574  | 6,512  | 6,466  | 9,472  | 8,508  | 937                     | 3,326  | 3,227  | 2,951  | 2,865  |
| Northern lakes.....                  | 3,273  | 3,091  | 2,450  | 2,206  | 2,195  | 2,805                   | 3,139  | 2,768  | 1,802  | 1,773  |
| Western rivers.....                  | 1,800  | 1,730  | 1,977  | 1,902  | 1,906  | 154                     | 120    | 178    | 177    | 181    |
| By power:                            |        |        |        |        |        |                         |        |        |        |        |
| Sail.....                            | 8,947  | 4,030  | 1,584  | 1,094  | 999    | 1,655                   | 1,272  | 757    | 500    | 441    |
| Steam <sup>5</sup> .....             | 12,462 | 8,103  | 6,087  | 5,332  | 5,166  | 4,900                   | 13,466 | 12,775 | 11,698 | 11,433 |
| Motor <sup>6</sup> .....             | 10,711 | 12,124 | 13,003 | 13,329 | 13,329 | 357                     | 982    | 1,087  | 1,087  | 1,102  |
| Canal boats.....                     | 674    | 448    | 226    | 154    | 99     | 74                      | 52     | 29     | 20     | 14     |
| Barges.....                          | 3,667  | 4,891  | 5,193  | 5,321  | 5,326  | 878                     | 1,177  | 1,525  | 1,655  | 1,663  |
| By material:                         |        |        |        |        |        |                         |        |        |        |        |
| Wood.....                            | 23,527 | 23,781 | 20,211 | 19,921 | 19,878 | 3,391                   | 3,876  | 2,554  | 2,261  | 2,185  |
| Metal.....                           | 2,213  | 4,402  | 5,033  | 4,933  | 5,041  | 4,117                   | 12,448 | 13,514 | 12,691 | 12,469 |

<sup>1</sup> Sailing vessels, canal boats, and barges.<sup>2</sup> Dec. 31.<sup>3</sup> The decrease of tonnage arises principally from the registered tonnage having been corrected in 1818, 1829, and 1830 by striking off all vessels the registers of which were granted prior to 1815, which were supposed by the collectors to have been lost at sea, captured, etc.<sup>4</sup> Sept. 30.<sup>5</sup> Including Puerto Rico in all years shown and Virgin Islands beginning 1920.<sup>6</sup> Including Hawaii and Alaska.<sup>7</sup> Motor vessels included in steam in 1910.

Source: Reports of the Commissioner of Navigation.

# No. 470.—VESSELS BUILT IN THE UNITED STATES AND DOCUMENTED FOR AMERICAN SHIPOWNERS

| Yearly average or year <sup>1</sup> | Number              | Gross tons            | Year <sup>1</sup> | Number | Gross tons  |
|-------------------------------------|---------------------|-----------------------|-------------------|--------|-------------|
| 1797-1800.....                      |                     | 72, 574               | 1915.....         | 1, 157 | 225, 122    |
| 1801-1810.....                      |                     | <sup>2</sup> 102, 452 | 1916.....         | 937    | 325, 413    |
| 1811-1820.....                      |                     | 89, 797               | 1917.....         | 1, 297 | 694, 479    |
| 1821-1830.....                      | 790                 | 89, 372               | 1918.....         | 1, 528 | 1, 300, 868 |
| 1831-1840 <sup>3</sup> .....        | <sup>3</sup> 945    | <sup>3</sup> 121, 713 | 1919.....         | 1, 953 | 3, 328, 021 |
| 1841-1850 <sup>4</sup> .....        | <sup>4</sup> 1, 215 | <sup>4</sup> 188, 713 | 1920.....         | 2, 067 | 3, 880, 689 |
| 1851-1860.....                      | 1, 464              | 365, 864              | 1921.....         | 1, 361 | 2, 285, 115 |
| 1861-1870.....                      | 1, 667              | 300, 881              | 1922.....         | 845    | 661, 232    |
| 1871-1880.....                      | 1, 454              | 253, 801              | 1923.....         | 770    | 335, 791    |
| 1881-1890.....                      | 1, 056              | 220, 198              | 1924.....         | 1, 049 | 223, 968    |
| 1891-1900.....                      | 1, 055              | 235, 699              | 1925.....         | 967    | 199, 846    |
| 1901-1910.....                      | 1, 311              | 418, 178              | 1926.....         | 924    | 224, 673    |
| 1911-1920.....                      | 1, 449              | 1, 090, 938           | 1927.....         | 917    | 245, 144    |
| 1921-1925.....                      | 998                 | 737, 190              | 1928.....         | 960    | 257, 180    |
| 1926-1930.....                      | 928                 | 222, 054              | 1929.....         | 808    | 128, 976    |
| 1931-1935.....                      | 828                 | 184, 034              | 1930.....         | 1, 020 | 254, 296    |
| 1910.....                           | 1, 361              | 342, 085              | 1931.....         | 1, 302 | 385, 906    |
| 1911.....                           | 1, 422              | 291, 162              | 1932.....         | 722    | 212, 802    |
| 1912.....                           | 1, 505              | 232, 669              | 1933.....         | 642    | 190, 803    |
| 1913.....                           | 1, 475              | 346, 155              | 1934.....         | 724    | 66, 649     |
| 1914.....                           | 1, 151              | 316, 250              | 1935.....         | 748    | 62, 919     |

<sup>1</sup> Years ended Dec. 31 from 1797 to 1834; Sept. 30 from 1835 to 1842; June 30 beginning with 1843.

<sup>2</sup> Nine-year average, there being no record of the tonnage for 1802.

<sup>3</sup> Average for period Jan. 1, 1831, to Sept. 30, 1840.

<sup>4</sup> Average for period Oct. 1, 1840, to June 30, 1850.

Source: Reports of the Commissioner of Navigation.

# No. 471.—VESSELS BUILT IN UNITED STATES AND DOCUMENTED FOR AMERICAN SHIPOWNERS: BY CLASSES AND REGION

NOTE.—For definition of "gross ton" see general note p. 403. Data are for years ended June 30

| Class and where built                | 1910-1920, average | 1921-1925, average | 1926-1930, average | 1931-1935, average | 1932     | 1933     | 1934    | 1935    |
|--------------------------------------|--------------------|--------------------|--------------------|--------------------|----------|----------|---------|---------|
| Total.....number.....                | 1, 556             | 998                | 928                | 828                | 722      | 642      | 724     | 748     |
| Gross tons.....                      | 1, 899, 604        | 737, 190           | 222, 054           | 194, 034           | 212, 392 | 190, 803 | 68, 649 | 62, 919 |
| Sailing.....number.....              | 82                 | 38                 | 9                  | 4                  | 2        | 3        | 3       | 6       |
| Gross tons.....                      | 70, 599            | 27, 685            | 365                | 40                 | 18       | 46       | 33      | 50      |
| Steam and motor.....number.....      | 1, 111             | 607                | 646                | 585                | 523      | 539      | 577     | 602     |
| Gross tons.....                      | 1, 734, 266        | 639, 341           | 148, 737           | 120, 672           | 164, 620 | 168, 488 | 26, 916 | 30, 341 |
| Canal boats.....number.....          | 19                 | 9                  | 5                  | ( <sup>1</sup> )   |          |          |         |         |
| Gross tons.....                      | 2, 613             | 1, 043             | 952                | 52                 |          |          |         |         |
| Barges.....number.....               | 344                | 254                | 268                | 239                | 197      | 100      | 144     | 140     |
| Gross tons.....                      | 92, 096            | 69, 121            | 71, 909            | 63, 270            | 48, 254  | 22, 269  | 39, 700 | 32, 528 |
| Metal.....gross tons.....            | 1, 511, 043        | 631, 109           | 151, 808           | 125, 483           | 174, 794 | 183, 148 | 37, 512 | 39, 758 |
| Wood.....do.....                     | 388, 561           | 106, 081           | 70, 246            | 58, 551            | 38, 098  | 27, 655  | 29, 137 | 23, 161 |
| Gross tons built on:                 |                    |                    |                    |                    |          |          |         |         |
| New England coast.....               | 112, 835           | 45, 913            | 10, 874            | 21, 485            | 52, 163  | 25, 351  | 862     | 1, 910  |
| Middle Atlantic and Gulf coasts..... | 833, 438           | 442, 721           | 123, 600           | 129, 835           | 183, 625 | 151, 823 | 37, 390 | 38, 452 |
| Pacific coast.....                   | 687, 076           | 174, 926           | 28, 612            | 15, 059            | 9, 741   | 3, 919   | 11, 694 | 8, 892  |
| Northern lakes.....                  | 260, 138           | 58, 317            | 45, 202            | 8, 347             | 11, 813  | 2, 044   | 4, 404  | 3, 937  |
| Western rivers.....                  | 6, 117             | 15, 313            | 13, 676            | 9, 309             | 5, 550   | 7, 166   | 12, 299 | 9, 928  |

<sup>1</sup> One canal boat of 258 gross tons built in 1931.

Source: Reports of the Commissioner of Navigation.



**No. 472.—MERCHANT VESSELS LAUNCHED: WORLD TOTAL AND UNITED STATES**

**NOTE.**—Vessels of 100 gross tons and over. For definition of "gross ton" see general note, p. 403. Vessels under construction in the world Dec. 31, 1935, numbered 393 of 1,543,153 gross tons; in the United States, 9 of 33,371 gross tons

| Calendar year                         | World  |            |                 |            | United States |            |
|---------------------------------------|--------|------------|-----------------|------------|---------------|------------|
|                                       | Total  |            | Steam and motor |            | Number        | Gross tons |
|                                       | Number | Gross tons | Number          | Gross tons |               |            |
| 1910-1914, average.....               | 1,533  | 2,739,079  | 1,180           | 2,631,779  | 162           | 252,804    |
| 1915-1920, average <sup>1</sup> ..... | 1,458  | 4,046,690  | 1,290           | 3,918,740  | 518           | 1,877,982  |
| 1921-1925, average.....               | 942    | 2,531,653  | 830             | 2,551,592  | 99            | 515,114    |
| 1926-1930, average.....               | 873    | 2,408,615  | 803             | 2,427,920  | 74            | 158,788    |
| 1931-1935, average.....               | 454    | 1,020,444  | 461             | 1,010,597  | 25            | 83,485     |
| 1922.....                             | 852    | 2,467,084  | 745             | 2,425,720  | 59            | 119,138    |
| 1923.....                             | 701    | 1,643,181  | 620             | 1,614,700  | 83            | 172,817    |
| 1924.....                             | 924    | 2,247,751  | 838             | 2,200,741  | 79            | 139,463    |
| 1925.....                             | 855    | 2,193,404  | 742             | 2,142,325  | 101           | 128,776    |
| 1926.....                             | 800    | 1,674,977  | 525             | 1,030,134  | 78            | 150,613    |
| 1927.....                             | 802    | 2,285,679  | 734             | 2,230,522  | 66            | 179,218    |
| 1928.....                             | 809    | 2,698,236  | 806             | 2,660,321  | 63            | 91,867     |
| 1929.....                             | 1,012  | 2,793,210  | 881             | 2,774,191  | 63            | 126,063    |
| 1930.....                             | 1,034  | 2,889,472  | 991             | 2,835,476  | 100           | 246,987    |
| 1931.....                             | 596    | 1,617,115  | 560             | 1,603,551  | 57            | 205,865    |
| 1932.....                             | 307    | 726,591    | 295             | 724,287    | 18            | 148,550    |
| 1933.....                             | 330    | 489,016    | 311             | 479,559    | 14            | 10,771     |
| 1934.....                             | 536    | 607,419    | 514             | 954,777    | 21            | 24,625     |
| 1935.....                             | 640    | 1,302,030  | 617             | 1,290,600  | 14            | 32,607     |

<sup>1</sup> Figures during the war period are shown only for allied and neutral countries.

Source: Lloyd's Register of Shipping.

**No. 473.—MERCHANT MARINE OF THE WORLD AND THE UNITED STATES**

**NOTE.**—Vessels of 100 tons and over. Prior to 1919 tonnage figures are gross for steamers and net for sailing vessels, thereafter gross for both. Wooden vessels on the Great Lakes and vessels on the Caspian Sea are not included. Japanese sailing vessels and most sailing vessels belonging to Greece, Turkey, and southern Russia are not included. Figures for Philippine Islands are included with United States beginning with 1910. See general note, p. 403

| Year      | World total | United States | Year      | World total | United States | Year      | World total | United States |
|-----------|-------------|---------------|-----------|-------------|---------------|-----------|-------------|---------------|
| 1895..... | 1,000 tons  | 1,000 tons    | 1920..... | 1,000 tons  | 1,000 tons    | 1931..... | 1,000 tons  | 1,000 tons    |
| 1900..... | 25,085      | 2,165         | 1925..... | 57,314      | 16,049        | 1932..... | 70,131      | 13,642        |
| 1905..... | 28,957      | 2,750         | 1926..... | 64,641      | 15,377        | 1933..... | 69,734      | 18,547        |
| 1910..... | 35,998      | 3,996         | 1928..... | 66,955      | 14,833        | 1934..... | 67,920      | 18,358        |
| 1915..... | 41,913      | 5,059         | 1929..... | 63,074      | 14,482        | 1935..... | 65,577      | 18,045        |
| 1916..... | 49,292      | 5,893         | 1930..... | 69,608      | 14,046        | 1935..... | 64,886      | 12,852        |

|                         | Number |        |        |        |        | Thousands of tons (see headnote) |        |        |        |        |        |
|-------------------------|--------|--------|--------|--------|--------|----------------------------------|--------|--------|--------|--------|--------|
|                         | 1910   | 1920   | 1930   | 1934   | 1935   | 1910                             | 1914   | 1920   | 1930   | 1934   | 1935   |
| World total.....        | 30,068 | 31,595 | 32,713 | 30,897 | 30,879 | 41,915                           | 49,090 | 57,314 | 69,608 | 65,577 | 64,886 |
| Steam and motor.....    | 22,008 | 26,513 | 29,996 | 28,964 | 28,071 | 37,291                           | 45,404 | 53,005 | 63,024 | 64,358 | 63,727 |
| Steel and iron.....     | 20,403 | 23,382 | 27,595 | 26,680 | 26,564 | 36,769                           | 44,934 | 51,661 | 67,304 | 63,791 | 63,141 |
| Wood and composite..... | 1,605  | 3,131  | 2,401  | 2,284  | 2,507  | 521                              | 470    | 2,244  | 720    | 566    | 586    |
| Sailing.....            | 8,050  | 5,082  | 2,717  | 2,033  | 1,908  | 4,624                            | 3,686  | 3,409  | 1,584  | 1,219  | 1,159  |
| Steel and iron.....     | 2,115  | 1,814  | 742    | 717    | 718    | 2,508                            | 2,095  | 1,524  | 664    | 584    | 579    |
| Wood and composite..... | 5,935  | 3,768  | 1,975  | 1,316  | 1,190  | 2,116                            | 1,590  | 1,885  | 930    | 634    | 580    |
| United States.....      | 3,469  | 5,457  | 4,223  | 3,739  | 3,629  | 5,059                            | 6,368  | 16,049 | 14,046 | 13,045 | 12,852 |
| Steam and motor.....    | 1,712  | 4,110  | 3,517  | 3,213  | 3,194  | 3,827                            | 4,330  | 14,574 | 13,202 | 12,382 | 12,223 |
| Steel and iron.....     | 1,270  | 3,242  | 3,001  | 2,827  | 2,783  | 3,602                            | 4,120  | 13,341 | 12,914 | 12,202 | 12,042 |
| Wood and composite..... | 442    | 868    | 516    | 391    | 411    | 226                              | 210    | 1,234  | 288    | 180    | 181    |
| Sailing.....            | 1,757  | 1,347  | 706    | 521    | 498    | 1,232                            | 1,038  | 1,475  | 844    | 603    | 629    |
| Steel and iron.....     | 139    | 154    | 147    | 153    | 156    | 245                              | 236    | 304    | 288    | 231    | 278    |
| Wood and composite..... | 1,618  | 1,193  | 559    | 368    | 342    | 987                              | 803    | 1,171  | 556    | 392    | 351    |

Source: Lloyd's Register of Shipping.

# No. 474.—COMMERCIAL TRAFFIC THROUGH THE PANAMA CANAL: By NATIONALITY OF VESSEL

NOTE.—See general note, p. 403. Net tonnage is according to Panama Canal measurement. Beginning 1935, vessels of less than 300 tons are excluded

| Nationality and year ended June 30 | Number of vessels | Net tonnage (thousands) | Tolls (thousands of dollars) | Tons of cargo (thousands) | Nationality and year ended June 30 | Number of vessels | Net tonnage (thousands) | Tolls (thousands of dollars) | Tons of cargo (thousands) |
|------------------------------------|-------------------|-------------------------|------------------------------|---------------------------|------------------------------------|-------------------|-------------------------|------------------------------|---------------------------|
| <b>Total traffic:</b>              |                   |                         |                              |                           | <b>Danish:</b>                     |                   |                         |                              |                           |
| 1916-1935, total                   | 84, 673           | 394, 567                | 369, 856                     | 389, 077                  | 1933                               | 113               | 531                     | 423                          | 449                       |
| 1920                               | 2, 478            | 8, 546                  | 8, 514                       | 9, 374                    | 1934                               | 135               | 637                     | 502                          | 533                       |
| 1921                               | 2, 892            | 11, 416                 | 11, 277                      | 11, 599                   | 1935                               | 125               | 593                     | 468                          | 556                       |
| 1922                               | 2, 736            | 11, 417                 | 11, 198                      | 10, 885                   | <b>Danzig:</b>                     |                   |                         |                              |                           |
| 1923                               | 3, 967            | 13, 009                 | 17, 508                      | 19, 568                   | 1933                               | 44                | 344                     | 305                          | 343                       |
| 1924                               | 5, 230            | 26, 149                 | 24, 291                      | 26, 995                   | 1934                               | 70                | 559                     | 501                          | 575                       |
| 1925                               | 4, 673            | 22, 855                 | 21, 401                      | 23, 959                   | 1935                               | 49                | 328                     | 352                          | 440                       |
| 1926                               | 5, 197            | 24, 775                 | 22, 931                      | 29, 037                   | <b>French:</b>                     |                   |                         |                              |                           |
| 1927                               | 6, 476            | 26, 228                 | 24, 229                      | 27, 748                   | 1933                               | 66                | 382                     | 305                          | 249                       |
| 1928                               | 6, 456            | 29, 459                 | 26, 944                      | 29, 631                   | 1934                               | 92                | 509                     | 405                          | 431                       |
| 1929                               | 6, 413            | 29, 838                 | 27, 127                      | 30, 693                   | 1935                               | 116               | 662                     | 535                          | 570                       |
| 1930                               | 6, 185            | 29, 981                 | 27, 077                      | 30, 030                   | <b>German:</b>                     |                   |                         |                              |                           |
| 1931                               | 5, 529            | 27, 792                 | 24, 645                      | 25, 083                   | 1933                               | 325               | 1, 011                  | 823                          | 813                       |
| 1932                               | 4, 606            | 23, 625                 | 20, 707                      | 19, 808                   | 1934                               | 301               | 1, 080                  | 871                          | 962                       |
| 1933                               | 4, 494            | 22, 822                 | 19, 620                      | 18, 178                   | 1935                               | 341               | 1, 317                  | 1, 116                       | 1, 301                    |
| 1934                               | 5, 533            | 28, 567                 | 24, 064                      | 24, 719                   | <b>Italian:</b>                    |                   |                         |                              |                           |
| 1935                               | 5, 180            | 27, 806                 | 23, 807                      | 25, 310                   | 1933                               | 52                | 395                     | 317                          | 189                       |
| <b>United States:</b>              |                   |                         |                              |                           | 1934                               | 68                | 478                     | 378                          | 256                       |
| 1916-1935, total                   | 37, 012           | 186, 542                | 170, 662                     | 187, 629                  | 1935                               | 77                | 488                     | 397                          | 336                       |
| 1920                               | 1, 129            | 3, 791                  | 3, 806                       | 4, 547                    | <b>Japanese:</b>                   |                   |                         |                              |                           |
| 1921                               | 1, 210            | 4, 862                  | 4, 785                       | 5, 193                    | 1933                               | 217               | 1, 180                  | 1, 154                       | 1, 160                    |
| 1922                               | 1, 065            | 4, 072                  | 4, 567                       | 4, 951                    | 1934                               | 258               | 1, 413                  | 1, 378                       | 1, 511                    |
| 1923                               | 1, 994            | 10, 209                 | 9, 474                       | 11, 055                   | 1935                               | 255               | 1, 484                  | 1, 375                       | 1, 446                    |
| 1924                               | 2, 947            | 15, 807                 | 14, 483                      | 16, 654                   | <b>Netherlander:</b>               |                   |                         |                              |                           |
| 1925                               | 2, 326            | 12, 271                 | 11, 302                      | 13, 080                   | 1933                               | 80                | 500                     | 414                          | 381                       |
| 1926                               | 2, 432            | 12, 556                 | 11, 540                      | 13, 711                   | 1934                               | 91                | 535                     | 441                          | 408                       |
| 1927                               | 2, 895            | 13, 915                 | 12, 720                      | 15, 242                   | 1935                               | 114               | 548                     | 456                          | 439                       |
| 1928                               | 2, 753            | 13, 753                 | 12, 646                      | 14, 249                   | <b>Norwegian:</b>                  |                   |                         |                              |                           |
| 1929                               | 2, 730            | 13, 325                 | 12, 300                      | 14, 076                   | 1933                               | 407               | 2, 014                  | 1, 571                       | 1, 773                    |
| 1930                               | 2, 885            | 14, 534                 | 13, 221                      | 14, 499                   | 1934                               | 450               | 2, 287                  | 1, 748                       | 2, 081                    |
| 1931                               | 2, 417            | 12, 002                 | 11, 426                      | 11, 805                   | 1935                               | 515               | 2, 479                  | 1, 946                       | 2, 404                    |
| 1932                               | 1, 917            | 10, 701                 | 9, 749                       | 8, 836                    | <b>Panamanian:</b>                 |                   |                         |                              |                           |
| 1933                               | 1, 686            | 10, 099                 | 8, 034                       | 7, 088                    | 1933                               | 324               | 121                     | 93                           | 79                        |
| 1934                               | 2, 269            | 13, 226                 | 11, 137                      | 11, 578                   | 1934                               | 383               | 287                     | 239                          | 151                       |
| 1935                               | 2, 143            | 12, 266                 | 10, 216                      | 10, 826                   | 1935                               | 103               | 204                     | 154                          | 122                       |
| <b>British:</b>                    |                   |                         |                              |                           | <b>Swedish:</b>                    |                   |                         |                              |                           |
| 1933                               | 1, 039            | 5, 860                  | 4, 814                       | 4, 171                    | 1933                               | 88                | 423                     | 321                          | 408                       |
| 1934                               | 1, 208            | 6, 831                  | 5, 757                       | 5, 193                    | 1934                               | 122               | 569                     | 451                          | 787                       |
| 1935                               | 1, 170            | 6, 635                  | 5, 671                       | 5, 776                    | 1935                               | 111               | 546                     | 439                          | 793                       |
| <b>Chilean:</b>                    |                   |                         |                              |                           | <b>Miscellaneous:</b>              |                   |                         |                              |                           |
| 1933                               | 7                 | 27                      | 25                           | 28                        | 1933                               | 46                | 136                     | 121                          | 146                       |
| 1934                               | 7                 | 27                      | 24                           | 22                        | 1934                               | 79                | 197                     | 181                          | 255                       |
| 1935                               | 13                | 44                      | 42                           | 39                        | 1935                               | 48                | 151                     | 139                          | 212                       |

# No. 475.—COMMERCIAL TRAFFIC THROUGH PANAMA CANAL: By DIRECTION

NOTE.—A to P=Atlantic to Pacific; P to A=Pacific to Atlantic. See also general note, p. 403. Beginning 1935, vessels of less than 300 tons are excluded

| Years ended June 30— | Number of vessels | Thou- sands of gross tons | Thou- sands of net tons <sup>1</sup> | Thousands of cargo tons |        |         |
|----------------------|-------------------|---------------------------|--------------------------------------|-------------------------|--------|---------|
|                      |                   |                           |                                      | Total                   | A to P | P to A  |
| 1921                 | 2, 892            | 14, 522                   | 11, 416                              | 11, 599                 | 5, 892 | 5, 707  |
| 1922                 | 2, 736            | 14, 361                   | 11, 417                              | 10, 885                 | 5, 496 | 5, 389  |
| 1923                 | 3, 967            | 23, 633                   | 18, 606                              | 19, 568                 | 7, 085 | 12, 482 |
| 1924                 | 5, 230            | 33, 412                   | 26, 149                              | 26, 995                 | 7, 860 | 19, 135 |
| 1925                 | 4, 673            | 29, 148                   | 22, 855                              | 23, 959                 | 7, 898 | 16, 560 |
| 1926                 | 5, 197            | 31, 673                   | 24, 775                              | 26, 037                 | 8, 037 | 18, 000 |
| 1927                 | 5, 475            | 33, 558                   | 26, 228                              | 27, 748                 | 8, 583 | 19, 156 |
| 1928                 | 6, 456            | 37, 203                   | 29, 459                              | 29, 631                 | 8, 810 | 21, 321 |
| 1929                 | 6, 413            | 37, 465                   | 29, 838                              | 30, 693                 | 9, 583 | 20, 780 |
| 1930                 | 6, 185            | 37, 431                   | 29, 981                              | 30, 030                 | 9, 476 | 20, 555 |
| 1931                 | 5, 529            | 34, 233                   | 27, 792                              | 25, 083                 | 6, 680 | 18, 402 |
| 1932                 | 4, 606            | 28, 771                   | 23, 625                              | 19, 808                 | 5, 635 | 14, 173 |
| 1933                 | 4, 494            | 27, 185                   | 22, 822                              | 18, 178                 | 4, 512 | 13, 666 |
| 1934                 | 5, 533            | 34, 874                   | 28, 567                              | 24, 719                 | 6, 167 | 18, 551 |
| 1935                 | 5, 180            | 33, 013                   | 27, 806                              | 25, 310                 | 7, 530 | 17, 780 |

<sup>1</sup> Panama Canal measurement.

### No. 476.—REVENUES, EXPENSES, AND COMPUTED SURPLUS OF THE PANAMA CANAL

[In thousands of dollars]

| Year ended June 30— | Tolls   | Civil revenues | Business profits | Total revenue | Net appropriation expenses <sup>1</sup> | Net revenues | Capital interest, 3 per cent <sup>2</sup> | Computed surplus    |
|---------------------|---------|----------------|------------------|---------------|-----------------------------------------|--------------|-------------------------------------------|---------------------|
| 1914 to 1921.....   | 44,566  | 1,421          | 1,100            | 47,086        | 45,086                                  | 1,100        | -----                                     | 1,100               |
| 1922.....           | 11,193  | 192            | 323              | 11,709        | 8,189                                   | 3,540        | 15,759                                    | <sup>3</sup> 18,219 |
| 1923.....           | 17,508  | 184            | 1,141            | 18,832        | 7,941                                   | 10,892       | 15,759                                    | <sup>3</sup> 4,867  |
| 1924.....           | 24,290  | 392            | 902              | 25,583        | 8,024                                   | 16,960       | 15,760                                    | <sup>3</sup> 1,200  |
| 1925.....           | 21,375  | 208            | 760              | 22,340        | 8,367                                   | 13,982       | 15,759                                    | <sup>3</sup> 1,777  |
| 1926.....           | 22,927  | 218            | 841              | 23,986        | 8,243                                   | 15,743       | 15,790                                    | <sup>3</sup> 59     |
| 1927.....           | 24,217  | 392            | 877              | 25,485        | 9,248                                   | 16,238       | 15,831                                    | 407                 |
| 1928.....           | 26,944  | 283            | 787              | 27,913        | 9,201                                   | 18,712       | 15,845                                    | 2,866               |
| 1929.....           | 27,124  | 243            | 788              | 28,105        | 9,887                                   | 18,218       | 15,875                                    | 2,342               |
| 1930.....           | 27,077  | 349            | 761              | 28,187        | 9,594                                   | 18,593       | 15,901                                    | 2,693               |
| 1931.....           | 24,645  | 846            | 663              | 25,553        | 10,393                                  | 15,160       | 15,961                                    | <sup>3</sup> 791    |
| 1932.....           | 20,707  | 327            | 557              | 21,591        | 9,839                                   | 11,752       | 15,914                                    | <sup>3</sup> 4,168  |
| 1933.....           | 19,621  | 310            | 1,136            | 21,067        | 9,165                                   | 11,911       | 15,903                                    | <sup>3</sup> 4,083  |
| 1934.....           | 24,065  | 97             | 1,367            | 25,528        | 7,351                                   | 18,177       | 16,176                                    | 2,001               |
| 1935.....           | 23,339  | 82             | 1,021            | 24,442        | 8,901                                   | 15,541       | 16,312                                    | <sup>3</sup> 771    |
| Total.....          | 359,598 | 4,994          | 12,829           | 377,418       | 170,901                                 | 206,517      | 222,692                                   | <sup>3</sup> 16,114 |

<sup>1</sup> After deduction of canal earnings repaid to appropriations.<sup>2</sup> No interest charge against the Canal is actually made by the Treasury. In order to present the net results of the operation of the Canal, the interest on capital invested is computed at a rate considered reasonable for Government borrowings over an indefinite period. Computed interest to June 30, 1921, is included in capital investment account.<sup>3</sup> Deficit.

Source: Annual Report of the Governor of the Panama Canal.

### No. 477.—MARINE WRECKS AND CASUALTIES OCCURRING TO VESSELS OF THE UNITED STATES: BY REGIONS

NOTE.—The table covers all disasters involving damage or loss amounting to \$300 or more. The figures exclude some reports of casualties to United States vessels received after the closing of the report for the year which are not distributed by regions. Casualties to United States vessels in the Panama Canal zone are not included in the table; data for 1935 are as follows: Vessels involved, 2; tonnage, 11,986; property loss, \$5,000; persons on board, 66; no loss of life

| Yearly average or year ended June 30— | Number of vessels |              | Vessel capacity—1,000 tons |              | Losses—1,000 dollars |          | Persons on board |        | Lives lost |
|---------------------------------------|-------------------|--------------|----------------------------|--------------|----------------------|----------|------------------|--------|------------|
|                                       | Complete loss     | Partial loss | Complete loss              | Partial loss | To vessel            | To cargo | Passengers       | Crews  |            |
| Total:                                |                   |              |                            |              |                      |          |                  |        |            |
| 1916-1920.....                        | 322               | 678          | 192                        | 1,487        | 39,440               | 13,803   | 9,889            | 19,733 | 651        |
| 1921-1925.....                        | 253               | 665          | 113                        | 1,808        | 18,794               | 4,374    | 10,207           | 18,859 | 189        |
| 1926-1930.....                        | 273               | 780          | 122                        | 2,258        | 17,648               | 4,159    | 11,830           | 23,372 | 210        |
| 1931-1935.....                        | 217               | 546          | 60                         | 1,815        | 11,824               | 1,679    | 11,134           | 17,319 | 164        |
| 1932.....                             | 281               | 473          | 64                         | 1,499        | 11,860               | 1,666    | 8,789            | 15,209 | 118        |
| 1933.....                             | 243               | 615          | 63                         | 1,657        | 9,058                | 736      | 4,765            | 16,273 | 142        |
| 1934.....                             | 179               | 654          | 69                         | 2,307        | 10,404               | 2,327    | 10,328           | 20,941 | 68         |
| 1935.....                             | 161               | 645          | 52                         | 2,233        | 16,034               | 1,952    | 9,768            | 21,154 | 355        |
| Atlantic, Gulf, and Pacific coasts:   |                   |              |                            |              |                      |          |                  |        |            |
| 1932.....                             | 174               | 284          | 45                         | 766          | 7,413                | 939      | 5,754            | 7,698  | 60         |
| 1933.....                             | 139               | 315          | 34                         | 886          | 4,687                | 339      | 2,202            | 8,959  | 94         |
| 1934.....                             | 100               | 344          | 23                         | 941          | 4,246                | 999      | 4,925            | 7,885  | 42         |
| 1935.....                             | 106               | 384          | 41                         | 1,113        | 10,616               | 1,082    | 6,048            | 10,924 | 317        |
| Great Lakes:                          |                   |              |                            |              |                      |          |                  |        |            |
| 1932.....                             | 16                | 23           | 4                          | 71           | 707                  | 4        | 57               | 422    | 2          |
| 1933.....                             | 17                | 35           | 7                          | 122          | 929                  | 23       | 18               | 907    | 7          |
| 1934.....                             | 16                | 29           | 6                          | 106          | 671                  | 80       | 252              | 838    | 8          |
| 1935.....                             | 12                | 71           | 4                          | 320          | 1,186                | 41       | 330              | 2,125  | 7          |
| Rivers of the United States:          |                   |              |                            |              |                      |          |                  |        |            |
| 1932.....                             | 67                | 74           | 11                         | 179          | 1,788                | 104      | 94               | 1,730  | 33         |
| 1933.....                             | 75                | 67           | 16                         | 155          | 2,364                | 204      | 928              | 1,877  | 28         |
| 1934.....                             | 43                | 103          | 4                          | 352          | 1,673                | 201      | 881              | 3,021  | 8          |
| 1935.....                             | 31                | 58           | 3                          | 127          | 684                  | 103      | 229              | 1,208  | 5          |
| At sea and in foreign waters:         |                   |              |                            |              |                      |          |                  |        |            |
| 1932.....                             | 24                | 92           | 4                          | 483          | 1,961                | 518      | 2,884            | 5,309  | 23         |
| 1933.....                             | 12                | 98           | 6                          | 514          | 1,678                | 165      | 1,527            | 4,530  | 13         |
| 1934.....                             | 20                | 178          | 36                         | 908          | 3,814                | 1,047    | 2,270            | 9,197  | 10         |
| 1935.....                             | 12                | 132          | 5                          | 673          | 2,548                | 727      | 3,161            | 6,897  | 26         |

Source: U. S. Coast Guard, Treasury Department.

**No. 478.—VESSELS CONTROLLED BY THE UNITED STATES SHIPPING BOARD  
MERCHANT FLEET CORPORATION: As of Dec. 31**

NOTE.—For definition of deadweight tons see general note, p. 403. The number of tugs is shown under "All other" except as noted; there is no tonnage for these

| Origin and class          | 1934             | 1935   |                  | Class                         | 1934             | 1935   |                  |
|---------------------------|------------------|--------|------------------|-------------------------------|------------------|--------|------------------|
|                           | Dead-weight tons | Number | Dead-weight tons |                               | Dead-weight tons | Number | Dead-weight tons |
| Grand total.....          | 2,411,518        | 284    | 2,284,775        | Steel—Continued.              |                  |        |                  |
| ORIGIN                    |                  |        |                  | Cargo and passenger...        | 42,024           | 4      | 42,024           |
| Requisitioned steel.....  | 411,033          | 41     | 372,551          | Refrigerators.....            | 64,665           | 6      | 48,043           |
| Contract steel.....       | 1,867,968        | 206    | 1,788,497        | All other.....                | 10,964           | 3      | 9,400            |
| Contract wood or concrete |                  | 3      |                  | Wood, composite, and concrete |                  | 3      |                  |
| Purchased.....            | 77,004           | 6      | 49,808           | Active steel.....             | 428,044          | 50     | 420,146          |
| Seized enemy.....         | 55,513           | 5      | 53,949           | Cargo.....                    | 428,044          | 47     | 420,146          |
| All other.....            |                  | 3      |                  | All other.....                |                  | 3      |                  |
| CLASS                     |                  |        |                  | Inactive steel.....           | 1,883,474        | 211    | 1,844,629        |
| Steel.....                | 2,411,518        | 281    | 2,284,775        | Cargo.....                    | 1,875,221        | 201    | 1,754,562        |
| Cargo (completed).....    | 2,293,865        | 247    | 2,166,308        | Cargo and passenger...        | 42,024           | 4      | 42,024           |
|                           |                  |        |                  | Refrigerators.....            | 64,665           | 6      | 48,043           |
|                           |                  |        |                  | All other.....                | 1,564            |        |                  |

<sup>1</sup> Includes 3 vessels of 10,883 deadweight tons transferred or returned to Merchant Fleet Corporation in 1934.

2 Tugs.

<sup>a</sup> Includes 3 steel tugs.

## No. 479.—CARGO TONNAGE OF FOREIGN AND INTERCOASTAL COMMERCE

NOTE.—In thousands of cargo tons of 2,240 pounds. Coastwise trade other than from Atlantic and Gulf to Pacific and vice versa is not included.

|                                                          | Total United States ports <sup>1</sup> |           |           | Atlantic coast ports |        |        | Gulf coast ports                                      |          |          |
|----------------------------------------------------------|----------------------------------------|-----------|-----------|----------------------|--------|--------|-------------------------------------------------------|----------|----------|
|                                                          | 1933                                   | 1934      | 1935      | 1933                 | 1934   | 1935   | 1933                                                  | 1934     | 1935     |
| <b>Total commerce</b> -----                              | \$ 70,561                              | \$ 80,497 | \$ 84,054 | 35,252               | 39,598 | 40,132 | 14,436                                                | 15,265   | 17,088   |
| Inbound-----                                             | 36,461                                 | 40,738    | 43,878    | 26,206               | 28,485 | 28,581 | 2,953                                                 | 3,459    | 4,892    |
| Outbound-----                                            | 41,707                                 | 48,233    | 47,373    | 9,076                | 11,111 | 11,552 | 11,484                                                | 11,807   | 12,196   |
| <b>With foreign countries</b> <sup>2</sup> -----         | 58,953                                 | 67,635    | 72,112    | 27,280               | 30,537 | 32,265 | 12,953                                                | 13,773   | 15,582   |
| Imports-----                                             | 26,567                                 | 29,814    | 33,066    | 19,756               | 21,252 | 22,925 | 2,259                                                 | 2,801    | 4,168    |
| Exports-----                                             | 32,386                                 | 37,821    | 38,146    | 7,524                | 9,284  | 9,339  | 10,694                                                | 10,972   | 11,413   |
| <b>Intercoastal</b> -----                                | 6,590                                  | 7,197     | 7,197     | 6,590                | 7,551  | 6,235  | 1,013                                                 | 923      | 962      |
| Inbound-----                                             | 7,607                                  | 8,474     | 7,197     | 5,419                | 6,120  | 4,454  | 494                                                   | 416      | 472      |
| Outbound-----                                            | 7,607                                  | 8,474     | 7,197     | 1,171                | 1,430  | 1,781  | 523                                                   | 508      | 490      |
| <b>With noncontiguous territories</b> <sup>4</sup> ----- | 4,001                                  | 4,389     | 4,746     | 1,412                | 1,509  | 1,632  | 467                                                   | 570      | 545      |
| Imports-----                                             | 2,287                                  | 2,451     | 2,710     | 1,031                | 1,112  | 1,201  | 200                                                   | 242      | 253      |
| Exports-----                                             | 1,714                                  | 1,938     | 2,036     | 381                  | 397    | 431    | 267                                                   | 327      | 293      |
|                                                          | Pacific coast ports                    |           |           | Great Lakes ports    |        |        | Ports in all territories and possessions <sup>5</sup> |          |          |
| <b>Total commerce</b> -----                              | 19,446                                 | 22,216    | 22,200    | 9,002                | 11,894 | 11,830 | \$ 7,287                                              | \$ 8,053 | \$ 7,550 |
| Inbound-----                                             | 4,002                                  | 5,047     | 6,320     | 2,700                | 3,748  | 4,076  | \$ 4,450                                              | \$ 4,834 | \$ 4,217 |
| Outbound-----                                            | 14,845                                 | 17,169    | 15,871    | 6,302                | 8,146  | 7,754  | \$ 2,817                                              | \$ 3,219 | \$ 3,334 |
| <b>With foreign countries</b> <sup>2</sup> -----         | 9,717                                  | 11,432    | 12,434    | 9,002                | 11,894 | 11,830 | \$ 544                                                | \$ 494   | \$ 457   |
| Imports-----                                             | 1,852                                  | 2,013     | 2,796     | 2,700                | 3,748  | 4,076  | \$ 611                                                | \$ 427   | \$ 353   |
| Exports-----                                             | 7,865                                  | 9,419     | 9,639     | 6,302                | 8,146  | 7,754  | \$ 33                                                 | \$ 68    | \$ 104   |
| <b>Intercoastal</b> -----                                | 7,607                                  | 8,474     | 7,197     |                      |        |        |                                                       |          |          |
| Inbound-----                                             | 1,694                                  | 1,938     | 2,271     |                      |        |        |                                                       |          |          |
| Outbound-----                                            | 5,913                                  | 6,536     | 4,925     |                      |        |        |                                                       |          |          |
| <b>With noncontiguous territories</b> <sup>4</sup> ----- | 2,122                                  | 2,310     | 2,569     |                      |        |        | \$ 6,723                                              | \$ 7,559 | \$ 7,094 |
| Imports-----                                             | 1,056                                  | 1,096     | 1,262     |                      |        |        | \$ 3,939                                              | \$ 4,407 | \$ 3,864 |
| Exports-----                                             | 1,066                                  | 1,214     | 1,306     |                      |        |        | \$ 2,784                                              | \$ 3,152 | \$ 3,230 |

<sup>1</sup> Continental United States.

<sup>2</sup> Duplication in intercoastal trade is eliminated.

<sup>3</sup> In showing trade of Continental United States ports, Philippine Islands, Virgin Islands, and Canal Zone are included with foreign countries.

<sup>4</sup> Alaska, Hawaii, Puerto Rico, Guam, Samoa.

<sup>d</sup> Territories and possessions named in notes 3 and 4.

<sup>6</sup> Excluding trade with foreign countries of Canal Zone, Guam, Samoa, Virgin Islands, and Philippine Islands; data not available.

## No. 480.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS

NOTE.—In thousands of cargo tons of 2,240 pounds. This and the following tables do not include cargoes (small in aggregate) carried by ships of less than 100 tons gross capacity

|                              | Imports in vessels of— |                      |                      |         |        | Exports in vessels of— |                      |                      |         |        |
|------------------------------|------------------------|----------------------|----------------------|---------|--------|------------------------|----------------------|----------------------|---------|--------|
|                              | Total                  | U. S. Shipping Board | Independent American | British | Other  | Total                  | U. S. Shipping Board | Independent American | British | Other  |
| <b>Total:</b>                |                        |                      |                      |         |        |                        |                      |                      |         |        |
| 1921                         | 33,185                 | 4,835                | 18,620               | 9,780   | 48,640 | 7,329                  | 11,228               | 30,083               |         |        |
| 1922                         | 44,682                 | 5,269                | 22,665               | 8,600   | 8,148  | 42,602                 | 6,644                | 10,205               | 14,109  | 11,644 |
| 1923                         | 43,296                 | 8,031                | 19,753               | 9,218   | 11,294 | 40,080                 | 9,003                | 9,286                | 18,824  | 14,067 |
| 1924                         | 40,899                 | 2,663                | 19,630               | 8,406   | 10,200 | 52,261                 | 6,663                | 11,653               | 18,867  | 15,078 |
| 1925                         | 43,135                 | 2,285                | 18,930               | 9,586   | 12,334 | 49,060                 | 5,624                | 10,092               | 18,386  | 15,564 |
| 1926                         | 44,686                 | 2,888                | 18,217               | 10,702  | 12,879 | 68,140                 | 5,501                | 11,531               | 28,289  | 22,749 |
| 1927                         | 42,183                 | 2,195                | 19,263               | 9,328   | 11,307 | 56,935                 | 6,185                | 12,510               | 20,728  | 17,512 |
| 1928                         | 47,395                 | 2,063                | 22,124               | 10,591  | 12,617 | 58,829                 | 6,071                | 14,217               | 21,147  | 18,394 |
| 1929                         | 50,985                 | 1,824                | 23,408               | 12,173  | 13,580 | 57,475                 | 4,618                | 13,303               | 20,624  | 18,930 |
| 1930                         | 47,562                 | 1,429                | 23,394               | 10,451  | 12,289 | 49,731                 | 3,239                | 11,078               | 17,210  | 17,607 |
| 1931                         | 35,864                 | 1,086                | 10,028               | 7,288   | 11,402 | 40,049                 | 2,605                | 8,463                | 13,518  | 15,463 |
| 1932                         | 28,710                 | 633                  | 12,691               | 6,940   | 9,446  | 31,845                 | 1,698                | 6,449                | 10,712  | 12,985 |
| 1933                         | 26,597                 | 632                  | 10,386               | 6,438   | 9,111  | 32,386                 | 749                  | 7,606                | 10,167  | 13,222 |
| 1934                         | 29,814                 | 476                  | 12,261               | 7,076   | 9,971  | 37,821                 | 541                  | 8,895                | 13,164  | 15,924 |
| 1935                         | 33,966                 | 554                  | 13,572               | 8,122   | 11,719 | 38,146                 | 522                  | 8,218                | 12,635  | 16,771 |
| <b>Percent distribution:</b> |                        |                      |                      |         |        |                        |                      |                      |         |        |
| 1921                         | 100.0                  | 15                   | 56                   | 29      | 100.0  | 15                     | 1                    | 62                   |         |        |
| 1935                         | 100.0                  | 16                   | 40                   | 24      | 34     | 100.0                  | 1                    | 23                   | 33      | 44     |
| <b>Dry cargoes: 1</b>        |                        |                      |                      |         |        |                        |                      |                      |         |        |
| 1921                         | 12,357                 | 5,437                | 6,920                | 34,855  | 11,602 | 23,353                 |                      |                      |         |        |
| 1922                         | 24,903                 | 2,077                | 4,997                | 7,214   | 10,515 | 32,556                 | 5,467                | 3,834                | 10,494  | 12,781 |
| 1923                         | 29,067                 | 1,744                | 7,297                | 8,429   | 11,627 | 32,253                 | 4,515                | 6,806                | 9,363   | 12,679 |
| 1924                         | 26,461                 | 1,628                | 6,365                | 7,638   | 9,930  | 29,997                 | 3,120                | 4,939                | 7,279   | 10,659 |
| 1925                         | 19,856                 | 1,181                | 4,705                | 4,904   | 8,935  | 20,855                 | 2,503                | 4,171                | 6,214   | 8,968  |
| 1926                         | 14,926                 | 633                  | 3,500                | 3,633   | 7,160  | 15,782                 | 1,698                | 3,462                | 3,684   | 6,038  |
| 1927                         | 16,507                 | 632                  | 4,153                | 3,082   | 7,740  | 16,023                 | 749                  | 4,709                | 3,487   | 7,068  |
| 1928                         | 18,084                 | 476                  | 4,071                | 4,404   | 8,230  | 18,041                 | 540                  | 5,356                | 3,937   | 8,208  |
| 1929                         | 21,323                 | 554                  | 5,235                | 6,217   | 10,317 | 18,460                 | 522                  | 5,369                | 3,817   | 8,761  |
| <b>Percent distribution:</b> |                        |                      |                      |         |        |                        |                      |                      |         |        |
| 1921                         | 100.0                  | 44                   | 56                   | 100.0   | 33     | 67                     |                      |                      |         |        |
| 1935                         | 100.0                  | 3                    | 25                   | 24      | 48     | 100.0                  | 3                    | 20                   | 21      | 47     |
| <b>Tanker cargoes: 1</b>     |                        |                      |                      |         |        |                        |                      |                      |         |        |
| 1921                         | 17,362                 | 2,682                | 12,443               | 2,257   | 5,980  | 725                    | 1,097                | 3,588                |         |        |
| 1922                         | 12,783                 | 208                  | 9,238                | 1,622   | 1,815  | 10,308                 | 157                  | 8,500                | 3,999   | 2,712  |
| 1923                         | 10,607                 | 7                    | 12,300               | 2,160   | 2,110  | 14,777                 | 8                    | 3,659                | 4,797   | 6,333  |
| 1924                         | 15,907                 | 11,788               | 1,018                | 2,201   | 14,369 | 3,245                  | 4,080                | 7,064                |         |        |
| 1925                         | 12,770                 | 8,734                | 1,648                | 2,488   | 11,847 | 2,290                  | 2,985                | 6,572                |         |        |
| 1926                         | 11,353                 | 7,399                | 1,690                | 2,204   | 10,071 | 1,875                  | 2,458                | 6,943                |         |        |
| 1927                         | 7,684                  | 5,078                | 1,245                | 1,361   | 10,536 | 1,530                  | 2,152                | 6,854                |         |        |
| 1928                         | 8,457                  | 5,631                | 1,087                | 1,739   | 11,758 | 1,581                  | 3,187                | 7,010                |         |        |
| 1929                         | 9,035                  | 6,837                | 862                  | 1,336   | 12,057 | 1,189                  | 2,883                | 7,985                |         |        |
| <b>Percent distribution:</b> |                        |                      |                      |         |        |                        |                      |                      |         |        |
| 1921                         | 100.0                  | 15                   | 72                   | 13      | 100.0  | 12                     | 28                   | 60                   |         |        |
| 1935                         | 100.0                  | 76                   | 9                    | 15      | 100.0  | 20                     | 24                   | 66                   |         |        |
| <b>North Atlantic ports:</b> |                        |                      |                      |         |        |                        |                      |                      |         |        |
| 1921                         | 20,387                 | 444                  | 8,151                | 4,305   | 7,487  | 6,946                  | 535                  | 1,503                | 1,806   | 3,102  |
| 1922                         | 18,695                 | 512                  | 7,213                | 4,303   | 6,867  | 6,810                  | 390                  | 1,645                | 1,606   | 3,265  |
| 1923                         | 20,314                 | 427                  | 7,624                | 4,376   | 7,585  | 8,437                  | 483                  | 2,118                | 2,068   | 3,767  |
| 1924                         | 21,875                 | 529                  | 8,623                | 4,407   | 8,317  | 8,448                  | 438                  | 2,164                | 1,906   | 3,941  |
| <b>South Atlantic ports:</b> |                        |                      |                      |         |        |                        |                      |                      |         |        |
| 1921                         | 985                    | 13                   | 557                  | 117     | 298    | 616                    | 41                   | 200                  | 213     | 162    |
| 1922                         | 861                    | 27                   | 315                  | 109     | 411    | 708                    | 44                   | 198                  | 239     | 223    |
| 1923                         | 940                    | 27                   | 332                  | 113     | 468    | 847                    | 41                   | 205                  | 230     | 371    |
| 1924                         | 1,051                  | 28                   | 385                  | 92      | 550    | 691                    | 47                   | 207                  | 226     | 411    |
| <b>Gulf ports:</b>           |                        |                      |                      |         |        |                        |                      |                      |         |        |
| 1921                         | 2,918                  | 176                  | 1,494                | 256     | 992    | 10,206                 | 1,112                | 1,888                | 2,217   | 5,579  |
| 1922                         | 2,250                  | 93                   | 955                  | 215     | 997    | 10,694                 | 306                  | 2,178                | 1,728   | 6,482  |
| 1923                         | 2,801                  | 22                   | 1,466                | 248     | 1,066  | 10,972                 | 16                   | 2,330                | 2,050   | 6,575  |
| 1924                         | 4,168                  | 2                    | 2,110                | 319     | 1,737  | 11,413                 | 38                   | 2,294                | 1,943   | 7,169  |
| <b>Pacific ports:</b>        |                        |                      |                      |         |        |                        |                      |                      |         |        |
| 1921                         | 1,724                  | (2)                  | 642                  | 476     | 606    | 7,848                  | 10                   | 2,038                | 1,697   | 4,103  |
| 1922                         | 1,852                  |                      | 744                  | 385     | 728    | 7,805                  |                      | 2,199                | 1,795   | 3,871  |
| 1923                         | 2,013                  |                      | 832                  | 394     | 780    | 9,419                  |                      | 2,284                | 2,702   | 4,433  |
| 1924                         | 2,796                  |                      | 920                  | 835     | 1,041  | 9,639                  |                      | 1,214                | 2,521   | 5,204  |
| <b>Great Lakes ports:</b>    |                        |                      |                      |         |        |                        |                      |                      |         |        |
| 1921                         | 2,696                  |                      | 1,847                | 785     | 63     | 6,139                  |                      | 1,320                | 4,780   | 39     |
| 1922                         | 2,700                  |                      | 1,159                | 1,427   | 114    | 6,302                  |                      | 1,386                | 4,838   | 73     |
| 1923                         | 3,743                  |                      | 1,789                | 1,043   | 66     | 8,149                  |                      | 1,958                | 6,113   | 74     |
| 1924                         | 4,076                  |                      | 1,534                | 2,469   | 73     | 7,754                  |                      | 1,669                | 6,039   | 46     |

<sup>1</sup> Not including Great Lakes cargoes, which are principally dry.

<sup>2</sup> Less than 500 tons.

Source: United States Shipping Board Bureau, Department of Commerce.

# No. 481.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: By TRADE REGIONS AND INDIVIDUAL COUNTRIES

NOTE.—In cargo tons of 2,240 pounds. Note that a country may appear in part under one trade region and in part under another. Minor countries are omitted but their trade is included in regional totals

| Foreign origin or destination                 | Imports           |                   |                   | Exports           |                   |                   |
|-----------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|                                               | 1933              | 1934              | 1935              | 1933              | 1934              | 1935              |
| <b>Grand total</b> .....                      | <b>28,568,987</b> | <b>29,813,903</b> | <b>33,965,878</b> | <b>32,385,550</b> | <b>37,821,061</b> | <b>38,145,866</b> |
| <b>United Kingdom</b> <sup>1</sup> .....      | 908,888           | 943,898           | 947,899           | 3,813,903         | 3,707,278         | 3,943,832         |
| England.....                                  | 618,536           | 611,381           | 717,700           | 3,448,039         | 3,190,773         | 3,424,677         |
| Ireland <sup>1</sup> .....                    | 2,637             | 2,644             | 11,878            | 128,360           | 196,313           | 110,559           |
| Scotland.....                                 | 101,561           | 94,013            | 117,968           | 207,332           | 269,420           | 354,547           |
| Wales.....                                    | 185,604           | 135,580           | 100,353           | 29,642            | 41,772            | 54,049            |
| <b>North Atlantic and Baltic Europe</b> ..... | <b>1,478,928</b>  | <b>1,379,098</b>  | <b>1,788,524</b>  | <b>630,866</b>    | <b>1,199,045</b>  | <b>1,306,395</b>  |
| Greenland.....                                | 3,000             | 3,265             | 6,200             | 1,338             | —                 | —                 |
| U. S. S. R. (Russia).....                     | 94,595            | 56,998            | 162,506           | 19,802            | 21,861            | 54,943            |
| Finland.....                                  | 216,786           | 203,797           | 244,994           | 36,595            | 73,108            | 53,937            |
| Norway.....                                   | 261,869           | 273,992           | 356,675           | 119,047           | 177,474           | 178,884           |
| Sweden.....                                   | 737,209           | 656,072           | 726,748           | 312,780           | 430,030           | 506,407           |
| Denmark.....                                  | 33,320            | 36,029            | 56,232            | 235,012           | 206,294           | 248,275           |
| Danzig.....                                   | 74,384            | 88,908            | 114,171           | 9,698             | 14,836            | 38,748            |
| Poland.....                                   | 15,662            | 35,132            | 88,309            | 105,008           | 209,103           | 135,767           |
| Germany.....                                  | 10,454            | 5,871             | 1,461             | 58,195            | 45,592            | 73,476            |
| Estonia.....                                  | 12,012            | 9,337             | 8,247             | 8,247             | 8,719             | 8,432             |
| Latvia.....                                   | —                 | 500               | 29,105            | 14,144            | 1,475             | 1,476             |
| Lithuania.....                                | 8,535             | 2,400             | 2,422             | 11,000            | 10,495            | 6,000             |
| <b>Havre-Hamburg range</b> .....              | <b>1,878,858</b>  | <b>1,567,806</b>  | <b>2,076,730</b>  | <b>5,636,383</b>  | <b>5,272,774</b>  | <b>4,789,081</b>  |
| Germany.....                                  | 772,666           | 680,226           | 936,464           | 1,743,350         | 1,405,608         | 1,435,080         |
| Netherlands.....                              | 535,361           | 394,762           | 324,242           | 1,192,790         | 1,106,008         | 975,664           |
| Belgium.....                                  | 474,254           | 387,694           | 706,407           | 947,613           | 1,012,781         | 1,013,280         |
| France.....                                   | 66,575            | 104,924           | 109,617           | 1,802,624         | 1,658,377         | 1,338,097         |
| <b>South Atlantic Europe</b> .....            | <b>462,094</b>    | <b>442,325</b>    | <b>494,775</b>    | <b>865,064</b>    | <b>791,828</b>    | <b>948,105</b>    |
| France.....                                   | 16,610            | 11,245            | 14,350            | 528,030           | 442,516           | 514,255           |
| Portugal.....                                 | 63,302            | 48,937            | 44,050            | 42,246            | 65,470            | 147,348           |
| Spain.....                                    | 382,068           | 381,965           | 430,307           | 200,021           | 248,321           | 260,587           |
| Azores Islands.....                           | 102               | 85                | 68                | 357               | 406               | 33                |
| Canary Islands.....                           | —                 | —                 | —                 | 84,225            | 33,640            | 22,783            |
| Madeira.....                                  | 12                | 93                | —                 | 1,169             | 1,469             | 3,101             |
| <b>West Mediterranean</b> .....               | <b>435,941</b>    | <b>482,277</b>    | <b>442,422</b>    | <b>1,819,154</b>  | <b>1,896,945</b>  | <b>2,380,716</b>  |
| Spain.....                                    | 119,534           | 144,129           | 130,335           | 211,083           | 236,956           | 453,026           |
| France.....                                   | 36,354            | 28,881            | 43,703            | 943,581           | 507,883           | 620,106           |
| Italy.....                                    | 214,126           | 212,161           | 200,147           | 917,692           | 1,040,962         | 1,338,796         |
| Yugoslavia.....                               | 3,158             | 16,805            | 18,471            | 4,661             | 12,364            | 16,945            |
| Malta.....                                    | 10                | —                 | 2                 | 8,806             | 12,677            | 5,127             |
| Tunisia.....                                  | 28,375            | 10,113            | 19,168            | 772               | 1,081             | 11,271            |
| Algeria.....                                  | 18,198            | 63,630            | 30,065            | 30,222            | 20,511            | 43,342            |
| Morocco.....                                  | 16,136            | 6,558             | 1                 | 2,337             | 4,511             | 3,143             |
| <b>East Mediterranean and Black Sea</b> ..... | <b>602,129</b>    | <b>693,447</b>    | <b>863,552</b>    | <b>161,379</b>    | <b>194,000</b>    | <b>369,383</b>    |
| Rumania.....                                  | 9,045             | 7,524             | 25,503            | 3,490             | 18,807            | 54,072            |
| U. S. S. R. (Russia).....                     | 442,280           | 535,678           | 667,615           | 1,234             | 11,010            | 17,837            |
| Turkey.....                                   | 65,472            | 62,880            | 46,190            | 13,534            | 9,861             | 54,164            |
| Cyprus.....                                   | 2,202             | 4,262             | 34,403            | —                 | —                 | —                 |
| Greece.....                                   | 41,107            | 46,955            | 42,788            | 49,833            | 63,788            | 96,847            |
| Egypt.....                                    | 33,618            | 35,643            | 40,851            | 57,182            | 68,078            | 95,870            |
| Palestine.....                                | 248               | 1,244             | 674               | 12,926            | 16,196            | 26,322            |
| Syria.....                                    | 5,966             | 3,609             | 4,030             | 13,180            | 7,848             | 20,987            |
| <b>West Indies</b> .....                      | <b>4,903,551</b>  | <b>5,419,637</b>  | <b>6,481,568</b>  | <b>1,319,221</b>  | <b>1,771,924</b>  | <b>1,747,240</b>  |
| Cuba.....                                     | 2,492,947         | 2,773,668         | 3,010,672         | 637,097           | 910,497           | 978,998           |
| Jamaica.....                                  | 42,846            | 44,882            | 49,247            | 71,142            | 59,719            | 95,506            |
| Bahama Islands.....                           | 6,204             | 4,636             | 12,359            | 13,220            | 14,220            | 15,595            |
| Haiti.....                                    | 36,540            | 40,125            | 34,464            | 46,008            | 46,029            | 35,952            |
| Dominican Republic.....                       | 146,368           | 119,068           | 174,023           | 69,715            | 44,314            | 88,901            |
| Lesser Antilles.....                          | 2,246,882         | 2,435,794         | 3,199,840         | 468,593           | 648,465           | 557,347           |
| Bermudas.....                                 | 1,668             | 1,464             | 963               | 22,908            | 22,780            | 24,941            |
| <b>Mexico</b> .....                           | <b>1,365,889</b>  | <b>1,373,214</b>  | <b>1,089,282</b>  | <b>249,748</b>    | <b>320,629</b>    | <b>305,440</b>    |
| <b>Central America</b> .....                  | <b>872,857</b>    | <b>913,562</b>    | <b>1,007,564</b>  | <b>689,990</b>    | <b>843,651</b>    | <b>769,015</b>    |
| British Honduras.....                         | 4,668             | 22,942            | 43,718            | 7,910             | 5,329             | 5,432             |
| Guatemala.....                                | 93,674            | 103,243           | 171,827           | 51,213            | 64,817            | 39,104            |
| Honduras.....                                 | 357,144           | 400,367           | 319,615           | 70,639            | 85,970            | 85,105            |
| Nicaragua.....                                | 92,575            | 71,734            | 91,949            | 17,923            | 15,372            | 13,458            |
| Costa Rica.....                               | 110,174           | 90,262            | 87,140            | 22,437            | 23,756            | 19,978            |
| Panama.....                                   | 85,494            | 96,492            | 124,292           | 9,460             | 3,823             | 9,772             |
| Canal Zone.....                               | 118,152           | 117,643           | 144,767           | 485,300           | 605,170           | 570,563           |
| El Salvador.....                              | 10,776            | 10,849            | 24,256            | 25,008            | 39,414            | 15,615            |

<sup>1</sup> Includes Irish Free State.

## No. 481.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY TRADE REGIONS AND INDIVIDUAL COUNTRIES—Continued

| Foreign origin or destination                 | Imports     |             |             | Exports     |              |              |
|-----------------------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|
|                                               | 1923        | 1924        | 1925        | 1923        | 1924         | 1925         |
| <b>North Coast South America</b> .....        | 3, 578, 635 | 4, 159, 216 | 4, 317, 128 | 158, 862    | 234, 710     | 219, 477     |
| Venezuela.....                                | 2, 266, 395 | 3, 263, 710 | 3, 406, 838 | 02, 857     | 141, 469     | 117, 802     |
| British Guiana.....                           | 33, 008     | 46, 686     | 84, 532     | 4, 941      | 7, 192       | 0, 001       |
| Surinam (Netherland Guiana).....              | 100, 004    | 101, 756    | 108, 085    | 7, 802      | 5, 760       | 9, 713       |
| French Guiana.....                            |             |             | 10          | 2, 701      | 3, 438       | 3, 242       |
| Colombia.....                                 | 1, 178, 228 | 747, 164    | 717, 063    | 50, 361     | 70, 865      | 81, 900      |
| <b>East Coast South America</b> .....         | 1, 208, 552 | 1, 212, 371 | 2, 528, 079 | 994, 003    | 1, 981, 740  | 1, 340, 221  |
| Brazil.....                                   | 610, 049    | 611, 503    | 783, 634    | 481, 503    | 579, 179     | 654, 042     |
| Uruguay.....                                  | 97, 229     | 49, 927     | 84, 744     | 54, 213     | 104, 230     | 177, 952     |
| Argentina.....                                | 549, 534    | 553, 930    | 1, 722, 701 | 428, 287    | 018, 351     | 607, 987     |
| South Atlantic Islands.....                   | 4, 840      |             |             |             |              |              |
| <b>West Coast South America</b> .....         | 927, 274    | 1, 605, 831 | 1, 608, 035 | 299, 886    | 461, 780     | 619, 861     |
| Colombia.....                                 | 19, 343     | 20, 620     | 19, 264     | 11, 100     | 25, 397      | 16, 824      |
| Chile.....                                    | 713, 409    | 1, 470, 339 | 1, 450, 840 | 212, 720    | 331, 744     | 367, 495     |
| Peru.....                                     | 88, 146     | 74, 406     | 102, 930    | 69, 790     | 96, 192      | 123, 794     |
| Ecuador.....                                  | 109, 378    | 40, 460     | 34, 902     | 16, 204     | 5, 447       | 12, 748      |
| <b>West Africa</b> .....                      | 178, 091    | 208, 867    | 324, 847    | 103, 895    | 117, 730     | 136, 086     |
| Morocco.....                                  | 11, 907     | 0, 949      | 11, 129     | 8, 796      | 0, 089       | 17, 039      |
| Cape Verde Islands.....                       | 20          |             | 21          | 1, 563      | 962          | 182          |
| Senegal.....                                  |             |             |             | 4, 001      | 5, 960       | 7, 446       |
| Sierra Leone.....                             | 2, 242      | 1, 859      | 8, 333      | 3, 049      | 4, 146       | 4, 276       |
| Liberia.....                                  | 176         | 174         | 758         | 440         | 1, 361       | 2, 284       |
| Ivory Coast.....                              | 3, 991      | 6, 617      | 14, 021     | 5, 881      | 10, 880      | 12, 158      |
| Gold Coast.....                               | 97, 904     | 144, 975    | 213, 091    | 31, 244     | 30, 163      | 39, 207      |
| Togo.....                                     |             | 206         |             | 1, 768      | 2, 016       | 2, 567       |
| Dahomey.....                                  | 283         |             | 6, 251      | 1, 561      | 2, 137       | 2, 848       |
| Nigeria.....                                  | 41, 687     | 31, 686     | 46, 929     | 18, 600     | 21, 731      | 22, 200      |
| Cameroons.....                                | 586         | 1, 681      | 6, 734      | 3, 798      | 4, 997       | 6, 550       |
| Gabon.....                                    |             |             |             | 3, 791      | 0, 157       | 5, 514       |
| Belgian Congo.....                            | 17, 333     | 12, 310     | 21, 060     | 9, 807      | 0, 802       | 4, 202       |
| Southwest Africa.....                         |             |             |             | 1, 761      | 1, 582       | 600          |
| Angola.....                                   | 22          |             |             | 3, 390      | 3, 230       | 1, 607       |
| <b>South and East Africa</b> .....            | 56, 853     | 85, 870     | 128, 204    | 254, 902    | 439, 597     | 484, 785     |
| Union of South Africa.....                    | 22, 408     | 17, 759     | 11, 272     | 161, 068    | 300, 579     | 295, 609     |
| Mozambique.....                               | 34, 436     | 66, 677     | 97, 846     | 70, 315     | 122, 336     | 126, 555     |
| British East Africa.....                      |             | 104         | 16, 194     | 8, 527      | 11, 456      | 19, 188      |
| French Somaliland.....                        | 9           | 1, 015      | 203         | 373         | 1, 320       | 1, 777       |
| Madagascar.....                               |             |             | 680         | 0, 203      | 0, 897       | 0, 828       |
| Mauritius Island.....                         |             | 15          |             | 5, 040      | 0, 144       | 4, 142       |
| <b>Australia and Antarctic Region</b> .....   | 74, 009     | 142, 413    | 320, 065    | 879, 676    | 909, 717     | 985, 038     |
| New Guinea.....                               | 105         | 222         | 174         | 2, 591      | 2, 024       | 1, 096       |
| New Zealand.....                              | 23, 682     | 18, 875     | 41, 318     | 208, 800    | 305, 085     | 277, 090     |
| Australia.....                                | 17, 790     | 73, 052     | 209, 299    | 561, 500    | 572, 630     | 602, 044     |
| Fiji Islands.....                             | 4, 896      | 3, 140      | 3, 294      | 5, 884      | 4, 850       | 6, 680       |
| New Caledonia.....                            | 14, 150     | 23, 177     | 80, 625     | 4, 432      | 2, 700       | 2, 700       |
| Society Islands.....                          | 6, 731      | 798         | 1, 233      | 3, 168      | 8, 450       | 20, 304      |
| Gilbert Islands.....                          | 4, 244      |             | 4           | 8           |              |              |
| Tasmania.....                                 |             | 15          |             | 5, 094      | 4, 401       | 1, 774       |
| <b>East Indies</b> .....                      | 841, 472    | 794, 098    | 880, 378    | 136, 967    | 148, 726     | 148, 667     |
| Strait Settlements.....                       | 353, 771    | 387, 101    | 372, 342    | 23, 800     | 30, 406      | 36, 776      |
| French Indo-China and Siam.....               | 610         | 3, 745      | 508         | 7, 088      | 11, 756      | 22, 114      |
| Sumatra.....                                  | 159, 478    | 125, 297    | 161, 945    | 0, 858      | 12, 206      | 12, 322      |
| Java.....                                     | 245, 440    | 238, 725    | 325, 464    | 90, 200     | 89, 490      | 75, 272      |
| Borneo.....                                   | 7, 556      | 4, 064      | 3, 830      | 1, 600      | 20           |              |
| Celebes.....                                  | 71, 869     | 34, 265     | 26, 229     | 3, 911      | 2, 849       | 2, 084       |
| <b>East Asia</b> .....                        | 2, 186, 884 | 2, 542, 352 | 1, 980, 693 | 5, 671, 928 | 7, 348, 087  | 7, 313, 824  |
| China.....                                    | 173, 151    | 181, 963    | 279, 645    | 1, 213, 686 | 1, 625, 215  | 880, 987     |
| U. S. S. R. (Russia).....                     | 1, 976      | 1, 901      | 381         | 24, 165     | 978          | 602          |
| Japan.....                                    | 482, 267    | 524, 517    | 699, 805    | 3, 708, 445 | 5, 242, 017  | 5, 847, 194  |
| Philippine Islands.....                       | 1, 529, 490 | 1, 833, 936 | 1, 000, 792 | 565, 731    | 579, 877     | 585, 041     |
| <b>India, Persian Gulf, and Red Sea</b> ..... | 573, 862    | 643, 198    | 703, 848    | 186, 038    | 180, 102     | 200, 783     |
| Anglo-Egyptian Sudan.....                     | 4, 848      | 4, 221      | 5, 706      | 47          | 149          | 835          |
| Egypt.....                                    | 680         | 410         | 1, 167      | 4, 789      | 783          | 285          |
| Iraq.....                                     | 17, 841     | 23, 305     | 35, 664     |             |              |              |
| Arabia.....                                   | 3, 953      | 4, 415      | 4, 019      | 5, 606      | 5, 923       | 8, 464       |
| Iran (Persia).....                            | 1, 502      |             | 1, 500      |             |              |              |
| India.....                                    | 490, 421    | 550, 008    | 598, 445    | 166, 313    | 163, 795     | 167, 534     |
| Ceylon.....                                   | 55, 117     | 53, 179     | 56, 445     | 9, 323      | 9, 447       | 6, 039       |
| <b>Canada</b> .....                           | 4, 046, 905 | 5, 302, 710 | 5, 977, 887 | 8, 273, 907 | 10, 593, 198 | 10, 265, 121 |
| Pacific.....                                  | 428, 155    | 433, 595    | 675, 627    | 841, 030    | 907, 217     | 966, 348     |
| Atlantic and Newfoundland.....                | 1, 022, 454 | 1, 174, 445 | 1, 289, 054 | 1, 205, 009 | 1, 531, 008  | 1, 500, 337  |
| Great Lakes.....                              | 2, 506, 296 | 3, 694, 670 | 4, 013, 208 | 6, 227, 778 | 8, 094, 313  | 7, 738, 436  |

<sup>1</sup> Kenya and Tanganyika Territory only.

Source: United States Shipping Board Bureau, Department of Commerce.

# No. 482.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: By STATES AND INDIVIDUAL PORTS

NOTE.—In cargo tons of 2,240 pounds. State totals cover all tonnage, including small ports notshown

| State and port                                | Imports    |            |            | Exports    |            |            |
|-----------------------------------------------|------------|------------|------------|------------|------------|------------|
|                                               | 1933       | 1934       | 1935       | 1933       | 1934       | 1935       |
| <b>North Atlantic District</b> .....          | 18,896,148 | 20,312,417 | 21,875,225 | 6,816,887  | 8,436,812  | 8,447,916  |
| Maine, total.....                             | 393,075    | 508,924    | 516,040    | 44,925     | 23,460     | 55,854     |
| Portland.....                                 | 296,238    | 300,181    | 293,786    | 39,285     | 18,599     | 41,787     |
| New Hampshire: Portsmouth.....                | 13,724     | 28,975     | 25,725     | .....      | 62         | 6,483      |
| Massachusetts, total.....                     | 1,690,701  | 1,706,723  | 2,450,882  | 146,767    | 220,168    | 281,455    |
| Boston.....                                   | 1,584,022  | 1,428,851  | 1,803,360  | 146,679    | 220,122    | 280,090    |
| Everett.....                                  | 10,000     | 141,863    | 541,419    | .....      | .....      | .....      |
| Fall River.....                               | 43,429     | 88,506     | 49,119     | 11         | .....      | .....      |
| Rhode Island, total.....                      | 310,855    | 267,422    | 312,258    | 7,384      | 2,736      | 16,329     |
| Providence.....                               | 310,855    | 267,422    | 310,962    | 7,384      | 2,736      | 16,329     |
| Connecticut, total.....                       | 47,291     | 42,011     | 51,199     | 5,311      | .....      | .....      |
| New Haven.....                                | 13,188     | 6,719      | 22,154     | 5,311      | .....      | .....      |
| New London.....                               | 20,248     | 14,365     | 16,417     | .....      | .....      | .....      |
| New York, total <sup>1</sup> .....            | 10,049,433 | 10,491,087 | 10,839,092 | 4,093,477  | 5,186,076  | 5,132,124  |
| New York <sup>1</sup> .....                   | 9,651,539  | 10,208,506 | 10,237,418 | 4,008,859  | 5,152,276  | 5,051,071  |
| New Jersey, total.....                        | 9,566      | 43,757     | 58,472     | 53,222     | 93,333     | 64,656     |
| Paulsboro.....                                | .....      | 30,780     | 39,780     | 53,222     | 93,333     | 62,608     |
| Pennsylvania: Philadelphia <sup>1</sup> ..... | 3,066,642  | 2,830,491  | 3,058,231  | 1,241,189  | 1,222,768  | 1,209,222  |
| Delaware, total.....                          | 412,166    | 466,203    | 400,033    | 3,285      | 2,190      | 2,304      |
| Claymont.....                                 | 133,418    | .....      | .....      | .....      | .....      | .....      |
| Wilmington.....                               | 278,748    | 466,203    | 400,033    | 3,285      | 2,190      | 2,304      |
| Maryland: Baltimore.....                      | 2,423,028  | 3,142,147  | 3,393,943  | 453,678    | 636,379    | 609,670    |
| Virginia, total.....                          | 479,667    | 786,677    | 768,750    | 766,649    | 1,049,640  | 1,064,309  |
| Newport News.....                             | 72,040     | 89,942     | 90,862     | 206,368    | 330,732    | 303,560    |
| Norfolk.....                                  | 398,360    | 683,488    | 660,863    | 482,454    | 573,821    | 633,345    |
| <b>South Atlantic District</b> .....          | 880,722    | 939,924    | 1,050,900  | 708,170    | 847,399    | 891,427    |
| North Carolina: Wilmington.....               | 140,795    | 115,392    | 143,820    | 13,210     | 28,480     | 26,934     |
| South Carolina, total.....                    | 228,644    | 291,282    | 304,005    | 117,339    | 154,136    | 198,019    |
| Charleston.....                               | 228,644    | 291,282    | 304,005    | 115,147    | 153,847    | 198,019    |
| Georgia, total.....                           | 316,722    | 365,763    | 406,766    | 284,049    | 287,304    | 334,021    |
| Brunswick.....                                | 21,724     | 27,374     | 16,116     | 53,005     | 40,370     | 38,988     |
| Savannah.....                                 | 294,998    | 338,389    | 390,650    | 231,044    | 246,934    | 295,033    |
| Florida, east coast, total.....               | 174,561    | 167,487    | 196,309    | 293,672    | 377,479    | 332,453    |
| Fernandina.....                               | .....      | .....      | .....      | 41,925     | 94,863     | 101,176    |
| Jacksonville.....                             | 152,848    | 150,880    | 163,645    | 247,014    | 251,299    | 207,085    |
| Miami.....                                    | 20,733     | 15,234     | 26,035     | 5,504      | 9,225      | 10,469     |
| <b>Gulf District</b> .....                    | 2,258,803  | 2,800,781  | 4,688,010  | 10,694,254 | 10,971,887 | 11,413,499 |
| Florida, west coast, total.....               | 146,677    | 148,781    | 208,447    | 1,133,403  | 1,310,227  | 1,397,795  |
| Boca Grande.....                              | .....      | 26         | 2          | 181,311    | 177,389    | 182,063    |
| Key West.....                                 | 33,086     | 26,762     | 24,333     | 28,130     | 45,497     | 33,079     |
| Pensacola.....                                | 25,378     | 39,492     | 76,105     | 201,628    | 242,526    | 189,807    |
| Tampa.....                                    | 70,191     | 65,526     | 90,524     | 688,200    | 810,219    | 952,602    |
| Alabama: Mobile.....                          | 171,815    | 169,336    | 273,544    | 397,387    | 406,876    | 394,589    |
| Mississippi.....                              | 20,470     | 27,239     | 65,971     | 97,149     | 119,267    | 78,964     |
| Louisiana, total.....                         | 1,592,955  | 1,834,627  | 2,456,682  | 2,371,336  | 2,135,364  | 2,100,407  |
| Baton Rouge.....                              | .....      | 152,176    | 125,015    | 493,191    | 493,085    | 373,233    |
| Lake Charles.....                             | 4,963      | 10,922     | 20,160     | 113,210    | 89,625     | 232,600    |
| New Orleans.....                              | 1,587,992  | 1,671,529  | 2,197,389  | 1,767,944  | 1,515,484  | 1,471,055  |
| Texas, total.....                             | 328,886    | 620,798    | 1,163,356  | 6,694,979  | 7,000,153  | 7,441,744  |
| Beaumont.....                                 | 1,993      | 11,193     | 11,843     | 560,053    | 761,583    | 847,045    |
| Corpus Christi.....                           | 53         | 2,311      | 3,530      | 301,644    | 236,749    | 461,389    |
| Freeport.....                                 | .....      | 15         | .....      | 110,943    | 167,291    | 111,028    |
| Galveston.....                                | 144,438    | 170,773    | 201,978    | 881,593    | 634,651    | 603,188    |
| Houston.....                                  | 94,208     | 289,356    | 799,084    | 2,645,560  | 2,845,062  | 2,970,758  |
| Orange.....                                   | .....      | 1,938      | 10,965     | 2,565      | 2,619      | 9,951      |
| Port Arthur.....                              | 79,446     | 112,755    | 85,147     | 1,852,005  | 2,228,065  | 2,309,399  |
| Texas City.....                               | 6,748      | 12,253     | 19,986     | 297,846    | 84,622     | 58,435     |

<sup>1</sup> Includes commerce of New Jersey ports which enters or clears through this customhouse.



## No. 482.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY STATES AND INDIVIDUAL PORTS—Continued

| State and port                   | Imports   |           |           | Exports   |           |           |
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                                  | 1933      | 1934      | 1935      | 1933      | 1934      | 1935      |
| Pacific District.....            | 1,862,263 | 2,012,715 | 2,795,619 | 7,865,013 | 9,419,273 | 9,638,868 |
| California, total.....           | 1,205,913 | 1,353,559 | 1,651,846 | 5,854,090 | 6,808,128 | 7,600,278 |
| Eureka.....                      | .....     | .....     | .....     | 9,834     | 8,947     | 19,834    |
| Los Angeles.....                 | 443,835   | 523,470   | 744,708   | 3,067,277 | 4,112,613 | 4,157,349 |
| San Diego.....                   | 10,528    | 11,247    | 13,604    | 6,729     | 4,889     | 10,309    |
| San Francisco <sup>1</sup> ..... | 751,550   | 818,842   | 893,634   | 1,889,575 | 1,754,976 | 2,040,413 |
| Port San Luis.....               | .....     | .....     | .....     | 753,691   | 801,094   | 1,372,373 |
| Oregon, total.....               | 80,485    | 60,721    | 137,833   | 611,816   | 898,807   | 607,905   |
| Astoria.....                     | 4,303     | .....     | 1,155     | 34,506    | 20,982    | 24,710    |
| Coos Bay.....                    | .....     | .....     | .....     | 61,755    | 151,680   | 167,708   |
| Portland.....                    | 73,214    | 58,721    | 134,478   | 485,710   | 609,004   | 381,575   |
| Prescott.....                    | .....     | .....     | .....     | 7,041     | 6,728     | 1,952     |
| Wauna.....                       | .....     | .....     | .....     | 5,020     | 2,709     | 2,550     |
| Westport.....                    | .....     | .....     | .....     | 2,672     | 3,196     | 3,141     |
| Washington, total.....           | 565,855   | 598,435   | 1,005,940 | 1,399,107 | 1,712,338 | 1,430,685 |
| Anacortes.....                   | 54,557    | 8,480     | 9,312     | 2,684     | 25,481    | 23,452    |
| Bellingham.....                  | 19,121    | 20,326    | 24,040    | 61,634    | 76,075    | 78,665    |
| Everett.....                     | 4,090     | 4,633     | 31,410    | 100,282   | 120,969   | 111,764   |
| Grays Harbor.....                | 157       | 2,025     | 970       | 204,965   | 270,932   | 231,325   |
| Longview.....                    | 5,323     | 5,272     | 1,032     | 118,662   | 80,781    | 72,264    |
| Olympia.....                     | 77        | 2,710     | 943       | 75,203    | 70,478    | 78,910    |
| Port Angeles.....                | 71,908    | 114,248   | 186,994   | 18,490    | 30,828    | 41,148    |
| Port Townsend.....               | 36,855    | 28,271    | 57,668    | 1,140     | 2,843     | 839       |
| Seattle.....                     | 227,428   | 204,002   | 296,361   | 376,823   | 523,565   | 389,562   |
| Tacoma.....                      | 143,858   | 203,389   | 384,954   | 322,281   | 333,439   | 299,210   |
| Vancouver.....                   | 544       | .....     | 1,733     | 7,478     | 20,193    | 10,769    |
| Willapa Harbor.....              | 1,634     | 995       | 3,171     | 75,482    | 95,972    | 98,530    |
| Great Lakes District.....        | 2,700,041 | 3,748,066 | 4,076,924 | 6,302,226 | 8,145,690 | 7,764,156 |
| New York, total.....             | 1,408,919 | 1,856,130 | 2,482,644 | 1,308,995 | 1,551,963 | 1,592,900 |
| Buffalo.....                     | 1,151,505 | 1,638,940 | 2,111,723 | 661,717   | 751,955   | 870,178   |
| Ogdensburg.....                  | 72,690    | 88,005    | 83,673    | .....     | .....     | 3,096     |
| Oswego.....                      | 23,746    | 33,805    | 26,613    | 68,732    | 88,184    | 91,809    |
| Rochester.....                   | 17,243    | 34,047    | 114,421   | 346,332   | 361,860   | 311,694   |
| Sodus Point.....                 | .....     | .....     | .....     | 229,067   | 355,169   | 206,995   |
| Tonawanda.....                   | 34,328    | 42,656    | 30,476    | .....     | .....     | 4,200     |
| Waddington.....                  | 81,450    | 84,424    | 62,732    | .....     | .....     | .....     |
| Pennsylvania: Erie.....          | 201,542   | 239,784   | 173,744   | 706,654   | 685,591   | 405,927   |
| Ohio, total.....                 | 146,867   | 126,412   | 250,147   | 3,532,804 | 4,668,586 | 4,535,944 |
| Ashtabula.....                   | .....     | .....     | .....     | 771,472   | 1,231,240 | 1,249,553 |
| Cleveland.....                   | 86,242    | 58,121    | 87,608    | 471,205   | 569,150   | 639,139   |
| Conneaut.....                    | .....     | .....     | .....     | 212,729   | 257,286   | 259,102   |
| Fairport.....                    | .....     | .....     | .....     | 145,458   | 600,338   | 944,318   |
| Lorain.....                      | 5,762     | .....     | 2,496     | 122,269   | 112,059   | 124,248   |
| Sandusky.....                    | 2,061     | 2,437     | 2,528     | 673,948   | 513,339   | 388,233   |
| Toledo.....                      | 62,802    | 65,864    | 155,325   | 1,132,333 | 1,487,574 | 1,626,760 |
| Indiana.....                     | .....     | .....     | .....     | 570       | 3,029     | 4,449     |
| Illinois: Chicago.....           | 306,308   | 404,428   | 394,732   | 167,946   | 167,995   | 209,327   |
| Michigan, total.....             | 363,798   | 426,939   | 364,697   | 502,537   | 713,996   | 456,304   |
| Algonac.....                     | 300       | .....     | .....     | .....     | 3,110     | 2,610     |
| Bay City.....                    | .....     | 1,035     | .....     | .....     | 33,820    | 55,799    |
| Detroit.....                     | 177,068   | 175,393   | 141,088   | 380,187   | 370,698   | 200,887   |
| Escanaba.....                    | 3,570     | 3,228     | 3,655     | 86,094    | 215,103   | 61,272    |
| Marquette.....                   | .....     | .....     | .....     | 10,120    | 37,486    | 98,811    |
| Port Huron.....                  | 56,068    | 53,161    | 62,067    | 4,498     | 5,713     | 10        |
| Sault Ste. Marie.....            | 4,548     | 2,477     | 3,043     | 2         | 2,285     | 4,718     |
| South Haven.....                 | 77,657    | 87,681    | 85,795    | .....     | 60        | .....     |
| Wyandotte.....                   | 12,424    | 4,100     | 1,000     | 5,018     | 3,017     | 30        |
| Wisconsin, total.....            | 183,622   | 435,521   | 346,277   | 84,068    | 368,234   | 487,885   |
| Ashland.....                     | 49,274    | 87,763    | 72,124    | 20,721    | 55,562    | 94,929    |
| Milwaukee.....                   | 48,752    | 108,582   | 98,029    | 13,491    | 8,818     | 2,599     |
| Superior.....                    | 5,120     | 87,572    | 70,453    | 50,746    | 301,398   | 383,939   |
| Minnesota: Duluth.....           | 28,985    | 258,352   | 63,683    | 7,792     | 6,276     | 31,369    |

<sup>1</sup>Includes all ports within San Francisco Bay.

Source: United States Shipping Board Bureau, Department of Commerce.

# No. 483.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY MAJOR COMMODITIES AND BY COASTAL DISTRICTS

NOTE.—In thousands of cargo tons of 2,240 pounds. Leaders indicate no data, or less than 500 tons

| Commodity                                       | 1932   | 1933   | 1934   | 1935   |                |                |        |         |
|-------------------------------------------------|--------|--------|--------|--------|----------------|----------------|--------|---------|
|                                                 |        |        |        | Total  | North Atlantic | South Atlantic | Gulf   | Pacific |
| Imports, total.....                             | 28,710 | 28,567 | 29,814 | 38,968 | 21,875         | 1,051          | 4,168  | 2,796   |
| Wheat.....                                      | 1,046  | 1,148  | 1,689  | 2,104  | 64             | -----          | 4      | 1       |
| Other grains.....                               | 58     | 296    | 746    | 1,724  | 846            | 3              | 258    | 267     |
| Oil seeds.....                                  | 257    | 418    | 424    | 624    | 493            | -----          | 1      | 121     |
| Vegetable oils.....                             | 342    | 446    | 373    | 640    | 431            | 3              | 89     | 114     |
| Vegetables and vegetable products, n. e. s..... | 504    | 594    | 669    | 702    | 527            | 12             | 37     | 124     |
| Animal, fish, and dairy products.....           | 254    | 263    | 285    | 451    | 324            | 9              | 37     | 72      |
| Bananas.....                                    | 1,048  | 970    | 1,124  | 1,250  | 642            | 47             | 481    | 79      |
| Coconuts and copra.....                         | 250    | 345    | 260    | 302    | 47             | -----          | 51     | 204     |
| Other fruits and nuts.....                      | 202    | 172    | 224    | 218    | 173            | 1              | 29     | 14      |
| Sugar.....                                      | 2,617  | 2,487  | 2,890  | 2,116  | 1,371          | 130            | 528    | 76      |
| Molasses.....                                   | 959    | 950    | 1,060  | 1,229  | 908            | 3              | 319    | -----   |
| Coffee.....                                     | 993    | 745    | 741    | 800    | 475            | 6              | 222    | 97      |
| Cocoa.....                                      | 217    | 213    | 212    | 246    | 238            | -----          | 5      | 4       |
| Tobacco and manufactures.....                   | 32     | 32     | 32     | 35     | 29             | -----          | 4      | 3       |
| Cotton.....                                     | 45     | 46     | 55     | 42     | 36             | -----          | 1      | 4       |
| Cotton manufactures.....                        | 41     | 54     | 60     | 89     | 59             | -----          | 1      | 28      |
| Wool.....                                       | 25     | 86     | 46     | 88     | 85             | -----          | -----  | 3       |
| Wool manufactures.....                          | 13     | 12     | 7      | 10     | 9              | -----          | -----  | 1       |
| Silk.....                                       | 81     | 27     | 25     | 32     | 22             | -----          | -----  | 10      |
| Silk manufactures.....                          | 10     | 14     | 7      | 4      | 2              | -----          | -----  | 1       |
| Jute.....                                       | 32     | 57     | 52     | 64     | 58             | 3              | 1      | 1       |
| Jute manufactures.....                          | 192    | 208    | 194    | 281    | 158            | 13             | 68     | 42      |
| Other vegetable fibers and grasses.....         | 255    | 246    | 215    | 235    | 135            | 2              | 72     | 17      |
| Textiles and manufactures, n. e. s.....         | 54     | 83     | 75     | 90     | 60             | -----          | 14     | 10      |
| Hides, skins, and manufactures.....             | 92     | 159    | 92     | 138    | 132            | -----          | -----  | 6       |
| Furs and fur skins.....                         | 10     | 14     | 13     | 18     | 16             | -----          | -----  | 2       |
| Rubber.....                                     | 427    | 437    | 488    | 463    | 422            | -----          | 3      | 38      |
| Pulpwood and wood pulp.....                     | 1,732  | 2,183  | 2,435  | 2,455  | 1,282          | -----          | 42     | 111     |
| Paper stock, n. e. s.....                       | 47     | 73     | 43     | 78     | 58             | -----          | 2      | 18      |
| Paper and manufactures.....                     | 682    | 704    | 753    | 860    | 400            | 36             | 99     | 116     |
| Clays.....                                      | 125    | 142    | 124    | 163    | 143            | -----          | 1      | 7       |
| Clay manufactures.....                          | 44     | 58     | 66     | 70     | 47             | 2              | 1      | 30      |
| Coal and coke.....                              | 740    | 642    | 598    | 798    | 719            | -----          | -----  | 79      |
| Petroleum and products.....                     | 10,370 | 6,677  | 7,280  | 7,725  | 6,478          | 185            | 1,058  | 5       |
| Gypsum.....                                     | 332    | 324    | 328    | 392    | 355            | -----          | -----  | 37      |
| Fyrites.....                                    | 233    | 369    | 378    | 439    | 372            | 12             | 2      | 50      |
| Nonmetallic minerals, n. e. s.....              | 471    | 447    | 442    | 545    | 293            | 20             | 10     | 69      |
| Iron ore.....                                   | 690    | 968    | 1,645  | 1,731  | 1,646          | -----          | 9      | 1       |
| Manganese and manganese ore.....                | 107    | 198    | 315    | 435    | 381            | -----          | 35     | 2       |
| Iron and steel and manufactures.....            | 411    | 401    | 333    | 492    | 292            | 12             | 77     | 69      |
| Copper and manufactures.....                    | 215    | 185    | 300    | 376    | 255            | -----          | -----  | 121     |
| Miscellaneous metals and mfrs.....              | 358    | 325    | 339    | 527    | 164            | -----          | 154    | 207     |
| Logs and lumber.....                            | 465    | 470    | 384    | 678    | 280            | 1              | 61     | 333     |
| Dyeing and tanning materials.....               | 107    | 153    | 173    | 148    | 133            | 1              | 12     | 1       |
| Potash.....                                     | 225    | 347    | 357    | 436    | 156            | 192            | 71     | 9       |
| Nitrates.....                                   | 302    | 470    | 525    | 542    | 105            | 286            | 118    | 32      |
| Other fertilizers.....                          | 128    | 207    | 145    | 178    | 75             | 47             | 24     | 32      |
| Pigments, chemicals, and mfrs., n. e. s.....    | 333    | 388    | 405    | 409    | 100            | 23             | 164    | 42      |
| All other.....                                  | 278    | 306    | 388    | 486    | 292            | 2              | 16     | 83      |
| Exports, total.....                             | 31,845 | 32,386 | 37,821 | 38,146 | 8,448          | 891            | 11,418 | 9,639   |
| Wheat.....                                      | 2,738  | 1,000  | 1,333  | 881    | 572            | -----          | 3      | 4       |
| Rye.....                                        | 75     | 9      | -----  | 12     | 5              | -----          | -----  | -----   |
| Corn.....                                       | 214    | 139    | 85     | 25     | 13             | 2              | 8      | 1       |
| Barley.....                                     | 191    | 152    | 126    | 162    | 5              | -----          | 1      | 147     |
| Oats.....                                       | 33     | 9      | 6      | 20     | 9              | -----          | 11     | -----   |
| Rice.....                                       | 116    | 59     | 43     | 78     | 3              | -----          | 68     | 7       |
| Other grains.....                               | 250    | 18     | 14     | 13     | 9              | -----          | 2      | 1       |
| Wheat flour.....                                | 528    | 381    | 385    | 288    | 212            | -----          | 20     | 46      |
| Oil-cake and meal.....                          | 277    | 337    | 213    | 215    | 179            | 1              | 13     | 11      |
| Vegetables and vegetable products, n. e. s..... | 201    | 182    | 192    | 227    | 144            | 1              | 16     | 31      |
| Animal, fish, and dairy products.....           | 449    | 462    | 417    | 243    | 90             | 31             | 35     | 86      |
| Fruits and nuts.....                            | 830    | 732    | 654    | 851    | 201            | 1              | 19     | 630     |
| Sugar.....                                      | 123    | 94     | 159    | 111    | 78             | 2              | 17     | 12      |
| Naval stores.....                               | 270    | 315    | 260    | 301    | 4              | 220            | 72     | 3       |
| Tobacco and manufactures.....                   | 211    | 221    | 228    | 207    | 156            | 19             | 31     | 1       |
| Cotton.....                                     | 2,104  | 1,985  | 1,371  | 1,399  | 26             | 95             | 1,185  | 93      |
| Cotton manufactures.....                        | 50     | 45     | 38     | 37     | 25             | 7              | 3      | 1       |
| Other textiles and manufactures.....            | 55     | 62     | 72     | 77     | 60             | -----          | 10     | 3       |
| Hides, skins, and manufactures.....             | 20     | 18     | 31     | 24     | 16             | -----          | 1      | 6       |
| Rubber and manufactures.....                    | 35     | 42     | 48     | 46     | 31             | -----          | 6      | 9       |
| Paper stock and manufactures.....               | 228    | 250    | 355    | 381    | 143            | -----          | 27     | 211     |

# No. 483.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY MAJOR COMMODITIES AND BY COASTAL DISTRICTS—Continued

| Commodity                                | 1932   | 1933   | 1934   | 1935   |                |                |       |         |             |
|------------------------------------------|--------|--------|--------|--------|----------------|----------------|-------|---------|-------------|
|                                          |        |        |        | Total  | North Atlantic | South Atlantic | Gulf  | Pacific | Great Lakes |
| Exports—Continued.                       |        |        |        |        |                |                |       |         |             |
| Coal and coke.....                       | 5,580  | 6,393  | 7,978  | 7,222  | 669            | 77             | 92    | 1       | 6,382       |
| Petroleum and products.....              | 11,422 | 11,741 | 13,021 | 14,333 | 1,626          | 2              | 6,451 | 6,129   | 126         |
| Sulphur.....                             | 850    | 520    | 499    | 404    | 2              | —              | 399   | 2       | 1           |
| Cement.....                              | 52     | 104    | 76     | 54     | 49             | —              | 1     | 2       | —           |
| Nonmetallic minerals and mfrs., n. e. s. | 130    | 206    | 255    | 331    | 83             | 22             | 30    | 82      | 106         |
| Iron ore.....                            | 54     | 100    | 807    | 647    | 2              | —              | —     | —       | 645         |
| Iron, steel, and manufactures.....       | 491    | 1,202  | 2,519  | 2,589  | 1,592          | 158            | 495   | 270     | 75          |
| Machinery.....                           | 101    | 110    | 178    | 239    | 109            | 1              | 25    | 12      | 2           |
| Vehicles.....                            | 160    | 220    | 482    | 591    | 550            | —              | 14    | 19      | 8           |
| Copper and manufactures.....             | 147    | 161    | 204    | 282    | 209            | —              | 38    | 36      | —           |
| Ores, metals and manufactures, n. e. s.  | 124    | 136    | 232    | 206    | 74             | 1              | 111   | 20      | 1           |
| Logs and lumber.....                     | 2,166  | 2,504  | 2,855  | 2,742  | 98             | 137            | 1,044 | 1,462   | 3           |
| Phosphates.....                          | 574    | 840    | 1,029  | 1,143  | 39             | 107            | 995   | 1       | —           |
| Other fertilizers.....                   | 216    | 164    | 251    | 302    | 237            | 1              | 14    | 60      | 1           |
| Pigments, chemicals, and mfrs., n. e. s. | 697    | 671    | 653    | 535    | 288            | 2              | 102   | 134     | 9           |
| All other.....                           | 624    | 681    | 860    | 929    | 751            | 5              | 40    | 116     | 11          |

Source: United States Shipping Board Bureau, Department of Commerce.

# No. 484.—NET TONNAGE OF VESSELS ENTERED AND CLEARED IN FOREIGN TRADE

NOTE.—Domestic trade is not included. For definition of net tonnage see general note, p. 403. Figures cover years ended June 30 to and including 1918, calendar years thereafter. Owing to the marked effect of the war on shipping a special average for the 6½ years July 1, 1914, to Dec. 31, 1920, is presented

[In thousands of net tons]

| Yearly average or year       | Entered   |             | Cleared   |             | Year                  | Entered   |             | Cleared   |             |
|------------------------------|-----------|-------------|-----------|-------------|-----------------------|-----------|-------------|-----------|-------------|
|                              | Sea-ports | Other ports | Sea-ports | Other ports |                       | Sea-ports | Other ports | Sea-ports | Other ports |
| 1840 <sup>1</sup> .....      | 1,788     | 501         | 1,861     | 492         | 1904.....             | 24,111    | 5,841       | 24,192    | 5,824       |
| 1850.....                    | 3,169     | 1,179       | 3,107     | 1,194       | 1905.....             | 24,798    | 6,190       | 25,020    | 6,138       |
| 1860.....                    | 5,000     | 3,275       | 5,257     | 3,533       | 1906.....             | 27,401    | 6,754       | 26,970    | 6,814       |
| 1870.....                    | 6,270     | 2,886       | 6,362     | 2,807       | 1907.....             | 29,248    | 7,374       | 28,499    | 7,401       |
| 1871-1875.....               | 8,462     | 2,997       | 8,514     | 2,994       | 1908.....             | 30,444    | 8,095       | 30,198    | 8,084       |
| 1876-1880.....               | 12,134    | 2,792       | 12,197    | 2,807       | 1909.....             | 30,245    | 8,815       | 29,604    | 8,592       |
| 1881-1885.....               | 13,604    | 2,931       | 13,781    | 2,917       | 1910.....             | 30,917    | 9,119       | 30,610    | 9,196       |
| 1886-1890.....               | 15,479    | 2,802       | 13,655    | 2,695       | 1911.....             | 32,457    | 10,218      | 32,299    | 10,138      |
| 1891-1895.....               | 16,891    | 2,516       | 16,965    | 2,876       | 1912.....             | 34,669    | 11,499      | 34,706    | 11,711      |
| 1896-1900.....               | 20,931    | 3,989       | 21,077    | 4,007       | 1913.....             | 37,978    | 12,666      | 37,666    | 13,585      |
| 1901-1905.....               | 24,551    | 5,939       | 24,633    | 5,918       | 1914.....             | 40,052    | 13,337      | 39,743    | 13,440      |
| 1906-1910.....               | 29,851    | 8,071       | 29,156    | 8,036       | 1915.....             | 36,032    | 11,678      | 35,458    | 11,427      |
| 1911-1915.....               | 36,035    | 11,870      | 35,954    | 12,061      | 1916.....             | 37,744    | 13,806      | 38,946    | 13,477      |
| 1915-1920 <sup>2</sup> ..... | 38,071    | 13,440      | 40,137    | 13,611      | 1917.....             | 36,521    | 13,951      | 38,094    | 13,983      |
| 1921-1925.....               | 52,959    | 13,334      | 53,578    | 13,075      | 1918.....             | 31,101    | 14,353      | 31,869    | 14,145      |
| 1926-1930.....               | 63,768    | 15,296      | 64,441    | 15,319      | 1918 (July-Dec.)..... | 16,113    | 8,916       | 16,112    | 9,360       |
| 1931-1935.....               | 54,928    | 10,462      | 55,214    | 10,350      | 1919.....             | 36,381    | 10,820      | 40,750    | 10,608      |
| 1910-1914.....               | 35,212    | 11,408      | 34,965    | 11,614      | 1920.....             | 51,532    | 12,572      | 54,981    | 12,837      |
| 1914-1920 <sup>2</sup> ..... | 37,604    | 13,169      | 39,417    | 13,190      | 1921.....             | 49,958    | 12,827      | 50,423    | 12,242      |
| 1890.....                    | 15,366    | 2,741       | 15,429    | 2,720       | 1922.....             | 51,701    | 13,490      | 51,739    | 13,040      |
| 1891.....                    | 15,394    | 2,810       | 15,411    | 2,850       | 1923.....             | 52,775    | 13,544      | 53,215    | 13,409      |
| 1892.....                    | 15,180    | 2,833       | 18,258    | 2,903       | 1924.....             | 54,726    | 13,565      | 55,294    | 13,618      |
| 1893.....                    | 16,679    | 2,908       | 16,826    | 2,936       | 1925.....             | 55,636    | 13,742      | 57,160    | 13,069      |
| 1894.....                    | 17,025    | 2,965       | 17,306    | 2,966       | 1926.....             | 63,759    | 13,174      | 65,683    | 13,458      |
| 1895.....                    | 16,725    | 2,970       | 17,024    | 2,727       | 1927.....             | 58,921    | 15,389      | 59,759    | 15,682      |
| 1896.....                    | 17,453    | 3,636       | 17,813    | 3,596       | 1928.....             | 62,809    | 17,402      | 63,531    | 17,336      |
| 1897.....                    | 20,003    | 3,757       | 19,878    | 3,831       | 1929.....             | 66,852    | 16,749      | 67,080    | 15,313      |
| 1898.....                    | 21,700    | 3,879       | 21,892    | 3,856       | 1930.....             | 66,499    | 14,733      | 66,800    | 24,808      |
| 1899.....                    | 21,963    | 4,148       | 22,177    | 4,089       | 1931.....             | 60,427    | 12,855      | 61,204    | 12,297      |
| 1900.....                    | 23,534    | 4,629       | 23,618    | 4,663       | 1932.....             | 55,229    | 9,607       | 54,900    | 9,547       |
| 1901.....                    | 24,791    | 4,777       | 24,889    | 4,981       | 1933.....             | 51,564    | 9,372       | 52,083    | 9,204       |
| 1902.....                    | 24,361    | 6,263       | 24,242    | 6,202       | 1934.....             | 53,132    | 10,855      | 53,163    | 10,541      |
| 1903.....                    | 24,698    | 6,396       | 24,823    | 6,493       | 1935.....             | 54,280    | 10,324      | 54,722    | 10,165      |

<sup>1</sup> Year ended Sept. 30.

<sup>2</sup> Average for period July 1, 1915, to Dec. 31, 1920.

<sup>3</sup> Average for period July 1, 1914, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

**No. 485.—NET TONNAGE OF VESSELS ENTERED AND CLEARED IN FOREIGN TRADE: BY CUSTOMS DISTRICTS AND BY REGIONS**

NOTE.—In thousands of net tons. See headnote, table 484

| Customs district                         | 1932    |         | 1933    |         | 1934    |         | 1935    |         |
|------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
|                                          | Entered | Cleared | Entered | Cleared | Entered | Cleared | Entered | Cleared |
| <b>Grand total</b> .....                 | 64,837  | 64,446  | 60,938  | 61,287  | 63,787  | 63,702  | 64,612  | 64,887  |
| <b>Seaports, total</b> .....             | 55,229  | 54,900  | 51,584  | 52,033  | 53,132  | 53,162  | 54,289  | 54,722  |
| <b>North Atlantic coast, total</b> ..... | 28,121  | 28,192  | 23,332  | 24,798  | 26,940  | 24,549  | 26,059  | 24,808  |
| Maine, New Hampshire.....                | 558     | 592     | 507     | 334     | 642     | 393     | 604     | 419     |
| Massachusetts.....                       | 4,169   | 3,295   | 4,068   | 3,167   | 3,903   | 3,138   | 3,956   | 2,954   |
| Rhode Island.....                        | 228     | 146     | 175     | 87      | 145     | 84      | 143     | 112     |
| Connecticut.....                         | 20      | 7       | 31      | 4       | 33      | 16      | 44      | 30      |
| New York.....                            | 21,180  | 20,922  | 19,531  | 19,584  | 19,203  | 19,344  | 19,314  | 19,632  |
| Philadelphia.....                        | 1,927   | 1,431   | 2,030   | 1,632   | 1,893   | 1,569   | 1,938   | 1,759   |
| <b>South Atlantic coast, total</b> ..... | 4,361   | 4,586   | 3,881   | 4,022   | 4,296   | 4,638   | 4,683   | 5,305   |
| Maryland.....                            | 1,342   | 1,006   | 1,000   | 718     | 1,160   | 1,023   | 1,375   | 1,090   |
| Virginia.....                            | 906     | 1,174   | 661     | 1,218   | 1,170   | 1,625   | 841     | 1,588   |
| North Carolina.....                      | 76      | 72      | 128     | 38      | 95      | 44      | 98      | 49      |
| South Carolina.....                      | 282     | 129     | 262     | 110     | 297     | 155     | 379     | 194     |
| Georgia.....                             | 181     | 419     | 187     | 402     | 184     | 395     | 284     | 398     |
| Puerto Rico.....                         | 1,484   | 1,787   | 1,463   | 1,527   | 1,359   | 1,396   | 1,133   | 1,131   |
| Virgin Islands <sup>1</sup> .....        |         |         |         |         |         |         | 683     | 855     |
| <b>Gulf coast, total</b> .....           | 8,138   | 9,143   | 7,124   | 8,294   | 7,588   | 8,367   | 8,300   | 9,042   |
| Florida.....                             | 2,181   | 1,898   | 1,764   | 1,524   | 1,689   | 1,534   | 1,641   | 1,600   |
| Mobile.....                              | 393     | 538     | 231     | 447     | 323     | 541     | 360     | 555     |
| New Orleans.....                         | 2,896   | 2,807   | 2,554   | 2,651   | 2,610   | 2,586   | 2,543   | 3,041   |
| Bahine.....                              | 847     | 885     | 1,010   | 1,124   | 1,250   | 1,906   | 1,384   | 1,479   |
| Galveston.....                           | 1,819   | 2,915   | 1,535   | 2,648   | 1,715   | 2,400   | 2,082   | 2,367   |
| <b>Mexican border: San Antonio</b> ..... | 160     | 104     | 211     | 132     | 133     | 74      | 209     | 224     |
| <b>Pacific coast, total</b> .....        | 14,462  | 14,875  | 14,216  | 14,937  | 15,207  | 15,534  | 15,028  | 15,245  |
| Washington.....                          | 5,913   | 5,285   | 5,770   | 5,320   | 5,933   | 5,380   | 5,664   | 5,354   |
| Oregon.....                              | 222     | 448     | 231     | 453     | 469     | 602     | 322     | 455     |
| San Francisco.....                       | 1,869   | 2,452   | 1,945   | 2,356   | 1,689   | 2,186   | 1,583   | 1,714   |
| Los Angeles.....                         | 4,224   | 4,528   | 4,214   | 4,974   | 5,002   | 5,640   | 5,345   | 5,927   |
| Alaska.....                              | 267     | 196     | 175     | 169     | 200     | 215     | 181     | 238     |
| Hawaii.....                              | 1,406   | 1,466   | 1,450   | 1,442   | 1,455   | 1,429   | 1,456   | 1,457   |
| San Diego.....                           | 500     | 199     | 431     | 123     | 399     | 102     | 477     | 100     |
| <b>Northern border, total</b> .....      | 9,607   | 9,547   | 9,972   | 9,204   | 10,655  | 10,540  | 10,323  | 10,165  |
| Vermont.....                             | 4       | 4       | 4       | 4       | 3       | 3       | 4       | 5       |
| St. Lawrence.....                        | 455     | 437     | 479     | 458     | 491     | 478     | 427     | 394     |
| Rochester.....                           | 2,081   | 1,066   | 1,671   | 1,574   | 1,774   | 1,748   | 1,865   | 1,858   |
| Buffalo.....                             | 1,838   | 981     | 1,528   | 879     | 1,642   | 603     | 1,823   | 789     |
| Ohio.....                                | 3,030   | 2,917   | 3,136   | 3,109   | 3,886   | 3,822   | 3,267   | 3,615   |
| Michigan.....                            | 1,007   | 1,608   | 1,485   | 1,916   | 1,546   | 2,021   | 1,673   | 2,022   |
| Chicago.....                             | 220     | 445     | 256     | 450     | 305     | 455     | 313     | 403     |
| Wisconsin.....                           | 572     | 300     | 589     | 323     | 550     | 312     | 445     | 343     |
| Duluth and Superior.....                 | 290     | 899     | 274     | 482     | 558     | 1,098   | 506     | 736     |

| Yearly average or year | Atlantic coast |               | Gulf coast |               | Pacific coast |               | Mexi-<br>can<br>border,<br>total | Northern border |               |
|------------------------|----------------|---------------|------------|---------------|---------------|---------------|----------------------------------|-----------------|---------------|
|                        | Total          | With<br>cargo | Total      | With<br>cargo | Total         | With<br>cargo |                                  | Total           | With<br>cargo |
| <b>Entrances:</b>      |                |               |            |               |               |               |                                  |                 |               |
| 1901-1905.....         | 17,427         | 15,149        | 4,056      | 1,770         | 3,068         | 2,286         | -----                            | 5,539           | 2,802         |
| 1906-1910.....         | 20,921         | 18,494        | 5,169      | 2,420         | 3,570         | 2,707         | -----                            | 8,072           | 3,207         |
| 1911-1915.....         | 24,293         | 20,708        | 5,635      | 3,377         | 5,055         | 3,649         | 52                               | 11,879          | 4,564         |
| 1915-1920.....         | 24,581         | 19,094        | 7,939      | 4,646         | 5,487         | 4,020         | 64                               | 13,440          | 5,646         |
| 1921-1925.....         | 30,070         | 27,133        | 12,390     | 5,243         | 5,562         | 6,070         | 28                               | 13,334          | 6,475         |
| 1926-1930.....         | 39,894         | 33,008        | 11,634     | 7,415         | 15,100        | 8,247         | 150                              | 15,293          | 7,700         |
| 1931-1935.....         | 31,721         | 28,968        | 8,058      | 4,858         | 14,968        | 9,239         | 180                              | 10,462          | 4,907         |
| 1933.....              | 30,013         | 27,290        | 7,124      | 4,051         | 14,216        | 8,990         | 211                              | 9,372           | 4,444         |
| 1934.....              | 30,206         | 27,504        | 7,586      | 4,461         | 15,207        | 9,277         | 133                              | 10,655          | 4,717         |
| 1935.....              | 30,752         | 27,971        | 8,300      | 5,003         | 15,028        | 9,469         | 200                              | 10,323          | 4,976         |
| <b>Clearances:</b>     |                |               |            |               |               |               |                                  |                 |               |
| 1901-1905.....         | 17,077         | 15,714        | 4,490      | 4,328         | 3,067         | 2,418         | -----                            | 5,918           | 3,825         |
| 1906-1910.....         | 20,162         | 18,659        | 5,477      | 5,187         | 3,517         | 2,922         | -----                            | 8,036           | 5,073         |
| 1911-1915.....         | 23,608         | 21,705        | 7,193      | 6,414         | 5,104         | 4,643         | 50                               | 12,060          | 8,567         |
| 1916-1920.....         | 25,921         | 23,168        | 8,528      | 6,915         | 5,626         | 4,762         | 62                               | 13,511          | 9,637         |
| 1921-1925.....         | 30,837         | 24,284        | 12,333     | 9,589         | 9,880         | 8,360         | 28                               | 15,075          | 9,286         |
| 1926-1930.....         | 36,361         | 28,696        | 12,326     | 10,641        | 15,658        | 13,148        | 95                               | 15,319          | 10,504        |
| 1931-1935.....         | 30,658         | 23,563        | 9,018      | 8,079         | 15,411        | 13,20         | 127                              | 10,350          | 7,309         |
| 1933.....              | 28,820         | 22,684        | 8,294      | 7,601         | 14,837        | 12,781        | 132                              | 9,204           | 6,629         |
| 1934.....              | 29,187         | 22,832        | 8,367      | 7,683         | 15,534        | 13,201        | 74                               | 10,540          | 7,318         |
| 1935.....              | 30,210         | 23,152        | 9,042      | 7,888         | 15,245        | 12,895        | 224                              | 10,165          | 7,156         |

<sup>1</sup> Reported as a foreign country prior to Jan. 1, 1935.

<sup>2</sup> July 1, 1915, to Dec. 31, 1920.

# No. 486.—NET TONNAGE OF VESSELS ENTERED IN FOREIGN TRADE: BY CLASSES

[All figures except number of vessels and percentages in thousands of net tons. See headnote, table 484]

| Yearly average or year       | Number of vessels, all ports | All ports |          |         |                   | Seaports    |                 |               |            |            |
|------------------------------|------------------------------|-----------|----------|---------|-------------------|-------------|-----------------|---------------|------------|------------|
|                              |                              | Total     | American | Foreign | Per cent American | All vessels | Sailing vessels | Steam vessels | With cargo | In ballast |
| 1881-1890.....               | 32,038                       | 16,308    | 3,305    | 12,913  | 20.7              | 13,542      | 5,251           | 8,291         | 11,560     | 1,982      |
| 1891-1900.....               | 31,781                       | 22,269    | 4,978    | 17,291  | 22.4              | 18,866      | 3,810           | 15,056        | 14,184     | 4,082      |
| 1901-1905.....               | 34,040                       | 30,490    | 6,802    | 23,688  | 22.3              | 24,551      | 2,606           | 21,945        | 19,205     | 5,346      |
| 1906-1910.....               | 34,375                       | 37,722    | 8,372    | 29,350  | 22.2              | 29,950      | 1,816           | 27,834        | 23,621     | 6,026      |
| 1911-1915.....               | 38,951                       | 47,914    | 12,205   | 35,709  | 25.5              | 36,035      | 1,574           | 34,461        | 27,778     | 8,257      |
| 1915-1920 <sup>1</sup> ..... | 42,713                       | 51,511    | 21,999   | 29,512  | 42.7              | 38,071      | 1,899           | 30,173        | 25,128     | 12,943     |
| 1921-1925.....               | 41,546                       | 66,293    | 29,645   | 36,648  | 44.7              | 52,959      | 1,004           | 51,955        | 41,471     | 11,488     |
| 1926-1930.....               | 45,846                       | 76,062    | 30,314   | 45,748  | 38.3              | 63,768      | 472             | 63,296        | 48,710     | 15,058     |
| 1931-1935.....               | 31,388                       | 65,390    | 23,847   | 41,543  | 36.4              | 54,228      | 227             | 54,701        | 42,835     | 12,093     |
| 1910-1914.....               | 38,088                       | 46,619    | 11,328   | 35,291  | 24.3              | 35,212      | 1,558           | 33,654        | 28,096     | 7,116      |
| 1914-1920 <sup>2</sup> ..... | 42,257                       | 50,778    | 20,957   | 30,116  | 40.7              | 37,604      | 1,853           | 35,750        | 24,938     | 12,000     |
| 1921.....                    | 40,758                       | 62,285    | 31,185   | 31,100  | 50.1              | 49,058      | 1,379           | 48,579        | 30,066     | 13,862     |
| 1922.....                    | 40,926                       | 65,191    | 31,738   | 33,453  | 48.7              | 51,701      | 1,104           | 50,597        | 43,210     | 8,482      |
| 1923.....                    | 41,591                       | 66,319    | 27,725   | 38,594  | 41.8              | 52,775      | 958             | 51,817        | 42,219     | 10,556     |
| 1924.....                    | 42,435                       | 68,292    | 29,628   | 38,664  | 43.4              | 54,726      | 849             | 53,877        | 42,403     | 12,323     |
| 1925.....                    | 42,019                       | 69,378    | 27,947   | 41,431  | 40.3              | 55,636      | 731             | 54,905        | 48,450     | 12,186     |
| 1926.....                    | 44,767                       | 70,938    | 28,890   | 50,043  | 35.0              | 63,759      | 549             | 63,210        | 45,113     | 18,045     |
| 1927.....                    | 45,459                       | 74,310    | 29,289   | 45,021  | 39.4              | 58,921      | 530             | 58,391        | 45,462     | 13,458     |
| 1928.....                    | 48,252                       | 80,211    | 31,285   | 48,926  | 39.0              | 62,809      | 453             | 62,356        | 48,757     | 14,052     |
| 1929.....                    | 46,687                       | 82,002    | 32,241   | 50,361  | 39.0              | 60,853      | 456             | 60,397        | 51,919     | 14,934     |
| 1930.....                    | 44,076                       | 81,253    | 31,806   | 49,387  | 39.2              | 60,490      | 373             | 60,127        | 52,298     | 14,201     |
| 1931.....                    | 36,373                       | 72,782    | 26,907   | 45,875  | 37.0              | 60,427      | 241             | 60,186        | 47,265     | 13,162     |
| 1932.....                    | 30,318                       | 64,837    | 24,278   | 40,559  | 37.4              | 55,229      | 236             | 54,994        | 42,701     | 12,528     |
| 1933.....                    | 28,019                       | 60,938    | 22,488   | 38,448  | 36.9              | 51,664      | 180             | 51,384        | 40,410     | 11,154     |
| 1934.....                    | 29,736                       | 63,787    | 23,192   | 40,594  | 36.2              | 53,132      | 190             | 52,939        | 41,297     | 11,835     |
| 1935.....                    | 32,246                       | 64,612    | 22,372   | 42,240  | 34.6              | 54,289      | 281             | 54,008        | 42,601     | 11,788     |

| Yearly average or year       | Seaports—Continued |            |                 |            | Per cent American | Northern border ports |            |          |         |
|------------------------------|--------------------|------------|-----------------|------------|-------------------|-----------------------|------------|----------|---------|
|                              | American vessels   |            | Foreign vessels |            |                   | Total                 | With cargo | American | Foreign |
|                              | Total              | With cargo | Total           | With cargo |                   |                       |            |          |         |
| 1881-1890.....               | 2,933              | 2,559      | 10,609          | 9,001      | 21.7              | 2,766                 | 1,979      | 402      | 2,304   |
| 1891-1900.....               | 3,619              | 2,956      | 15,247          | 11,228     | 19.2              | 3,403                 | 1,589      | 1,359    | 2,044   |
| 1901-1905.....               | 3,962              | 3,246      | 20,589          | 16,960     | 16.1              | 5,939                 | 2,002      | 2,840    | 3,099   |
| 1906-1910.....               | 4,175              | 3,471      | 25,475          | 20,150     | 14.1              | 8,072                 | 3,207      | 4,197    | 3,876   |
| 1911-1915.....               | 5,276              | 4,200      | 30,759          | 23,578     | 14.6              | 11,879                | 4,594      | 6,929    | 4,950   |
| 1915-1920 <sup>1</sup> ..... | 14,508             | 11,375     | 23,563          | 13,753     | 38.1              | 13,440                | 5,640      | 7,490    | 5,950   |
| 1921-1925.....               | 22,526             | 18,404     | 30,433          | 23,068     | 42.5              | 13,334                | 6,455      | 7,119    | 6,215   |
| 1926-1930.....               | 23,182             | 18,809     | 40,589          | 29,901     | 36.4              | 15,293                | 7,700      | 7,132    | 8,162   |
| 1931-1935.....               | 19,854             | 16,870     | 35,074          | 25,865     | 36.1              | 10,463                | 4,997      | 3,908    | 4,469   |
| 1910-1914.....               | 4,753              | 3,787      | 30,469          | 24,309     | 13.5              | 11,407                | 4,501      | 5,575    | 4,832   |
| 1914-1920 <sup>2</sup> ..... | 13,327             | 10,481     | 24,276          | 14,456     | 35.4              | 13,169                | 5,430      | 7,330    | 5,840   |
| 1921.....                    | 24,402             | 18,620     | 25,556          | 17,446     | 48.8              | 12,327                | 5,672      | 6,783    | 5,544   |
| 1922.....                    | 23,633             | 20,308     | 28,068          | 22,911     | 45.7              | 13,460                | 6,178      | 8,105    | 5,385   |
| 1923.....                    | 20,984             | 17,790     | 31,791          | 24,429     | 39.8              | 13,544                | 6,766      | 6,741    | 6,803   |
| 1924.....                    | 22,462             | 18,287     | 32,264          | 24,136     | 41.0              | 13,565                | 6,835      | 7,160    | 6,909   |
| 1925.....                    | 21,148             | 17,033     | 34,487          | 26,417     | 38.0              | 13,742                | 7,323      | 6,798    | 6,944   |
| 1926.....                    | 21,091             | 17,103     | 42,668          | 28,010     | 33.1              | 13,174                | 7,131      | 5,799    | 7,375   |
| 1927.....                    | 22,001             | 17,668     | 36,920          | 27,794     | 37.3              | 15,389                | 7,824      | 7,288    | 8,101   |
| 1928.....                    | 22,991             | 18,404     | 39,818          | 30,853     | 36.6              | 17,402                | 8,571      | 8,294    | 9,108   |
| 1929.....                    | 25,208             | 20,541     | 41,045          | 31,373     | 37.7              | 15,749                | 7,558      | 7,034    | 8,710   |
| 1930.....                    | 24,620             | 20,330     | 41,879          | 31,968     | 37.0              | 14,753                | 7,418      | 7,246    | 7,508   |
| 1931.....                    | 21,499             | 18,123     | 38,929          | 20,142     | 35.6              | 12,355                | 5,980      | 5,408    | 6,946   |
| 1932.....                    | 20,643             | 17,396     | 34,587          | 25,306     | 37.4              | 9,607                 | 4,869      | 3,635    | 5,973   |
| 1933.....                    | 19,051             | 16,123     | 32,513          | 24,287     | 36.9              | 9,372                 | 4,444      | 3,437    | 5,984   |
| 1934.....                    | 19,186             | 16,500     | 33,946          | 24,267     | 36.1              | 10,655                | 4,717      | 4,006    | 6,640   |
| 1935.....                    | 18,893             | 16,206     | 35,395          | 26,295     | 34.8              | 10,324                | 4,976      | 3,479    | 6,846   |

<sup>1</sup> Average for period July 1, 1915, to Dec. 31, 1920.

<sup>2</sup> Average for period July 1, 1914, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

## No. 487.—NET TONNAGE OF VESSELS CLEARED IN FOREIGN TRADE: By CLASSES

[All figures except number of vessels and percentages in thousands of net tons. See headnote, table 494]

| Yearly average or year       | Number of vessels, all ports | All ports |          |         |                  | Seaports    |                 |               |            |            |
|------------------------------|------------------------------|-----------|----------|---------|------------------|-------------|-----------------|---------------|------------|------------|
|                              |                              | Total     | American | Foreign | Percent American | All vessels | Sailing vessels | Steam vessels | With cargo | In ballast |
| 1881-1890.....               | 32, 159                      | 16, 473   | 3, 450   | 13, 023 | 20.9             | 13, 719     | 5, 363          | 8, 356        | 12, 795    | 924        |
| 1891-1900.....               | 31, 902                      | 22, 463   | 5, 038   | 17, 425 | 22.4             | 19, 021     | 3, 818          | 15, 203       | 17, 514    | 1, 507     |
| 1901-1906.....               | 33, 863                      | 30, 551   | 6, 812   | 23, 739 | 22.3             | 24, 633     | 2, 621          | 22, 012       | 22, 460    | 2, 173     |
| 1906-1910.....               | 33, 897                      | 37, 192   | 8, 282   | 28, 910 | 22.3             | 29, 156     | 1, 850          | 27, 306       | 26, 768    | 2, 388     |
| 1911-1915.....               | 38, 790                      | 48, 016   | 12, 512  | 35, 503 | 26.1             | 35, 955     | 1, 654          | 34, 301       | 32, 827    | 3, 128     |
| 1915-1920 <sup>1</sup> ..... | 42, 687                      | 53, 647   | 23, 006  | 30, 643 | 42.9             | 40, 137     | 2, 057          | 38, 080       | 34, 851    | 5, 285     |
| 1921-1925.....               | 40, 120                      | 66, 653   | 29, 554  | 37, 099 | 44.3             | 53, 575     | 984             | 52, 594       | 42, 233    | 11, 345    |
| 1926-1930.....               | 44, 052                      | 79, 700   | 30, 709  | 49, 051 | 38.5             | 64, 441     | 487             | 63, 973       | 52, 581    | 11, 860    |
| 1931-1935.....               | 30, 520                      | 65, 566   | 23, 616  | 41, 949 | 36.0             | 55, 214     | 221             | 54, 993       | 44, 990    | 10, 224    |
| 1910-1914.....               | 37, 883                      | 46, 579   | 11, 590  | 34, 989 | 24.9             | 34, 965     | 1, 620          | 33, 345       | 32, 024    | 2, 041     |
| 1914-1920 <sup>1</sup> ..... | 42, 141                      | 52, 607   | 21, 520  | 31, 078 | 40.9             | 39, 417     | 2, 010          | 37, 407       | 34, 394    | 5, 023     |
| 1921.....                    | 39, 553                      | 62, 665   | 30, 181  | 32, 484 | 48.2             | 50, 423     | 1, 218          | 49, 205       | 39, 985    | 10, 438    |
| 1922.....                    | 39, 314                      | 64, 839   | 31, 759  | 33, 080 | 49.0             | 51, 799     | 1, 109          | 50, 690       | 39, 244    | 12, 555    |
| 1923.....                    | 40, 256                      | 66, 624   | 27, 932  | 38, 692 | 41.9             | 53, 215     | 1, 035          | 52, 180       | 42, 398    | 10, 817    |
| 1924.....                    | 41, 100                      | 68, 910   | 30, 092  | 38, 818 | 43.7             | 55, 294     | 810             | 54, 483       | 43, 787    | 11, 505    |
| 1925.....                    | 40, 379                      | 70, 229   | 27, 808  | 42, 421 | 39.6             | 57, 180     | 746             | 56, 434       | 45, 750    | 11, 410    |
| 1926.....                    | 43, 951                      | 79, 041   | 28, 532  | 50, 509 | 36.1             | 65, 583     | 566             | 65, 017       | 54, 237    | 11, 846    |
| 1927.....                    | 43, 619                      | 75, 440   | 29, 793  | 45, 647 | 39.5             | 60, 759     | 526             | 59, 233       | 49, 419    | 10, 340    |
| 1928.....                    | 40, 201                      | 80, 667   | 31, 734  | 48, 933 | 36.3             | 63, 331     | 436             | 62, 895       | 51, 609    | 11, 722    |
| 1929.....                    | 44, 837                      | 82, 343   | 31, 927  | 50, 416 | 38.8             | 67, 030     | 422             | 66, 608       | 54, 132    | 12, 898    |
| 1930.....                    | 41, 801                      | 81, 307   | 31, 660  | 49, 748 | 38.8             | 69, 600     | 386             | 69, 214       | 53, 507    | 12, 993    |
| 1931.....                    | 35, 368                      | 73, 501   | 26, 854  | 46, 647 | 36.5             | 61, 204     | 235             | 60, 969       | 49, 805    | 11, 399    |
| 1932.....                    | 29, 048                      | 64, 446   | 23, 865  | 40, 582 | 37.0             | 54, 900     | 233             | 54, 667       | 43, 909    | 10, 991    |
| 1933.....                    | 27, 187                      | 61, 287   | 22, 434  | 38, 853 | 36.6             | 52, 083     | 181             | 51, 903       | 43, 197    | 8, 886     |
| 1934.....                    | 28, 874                      | 63, 702   | 22, 799  | 40, 903 | 35.8             | 53, 162     | 170             | 52, 985       | 43, 881    | 9, 281     |
| 1935.....                    | 31, 554                      | 64, 887   | 22, 126  | 42, 761 | 34.1             | 54, 722     | 277             | 54, 445       | 44, 159    | 10, 563    |

| Yearly average or year       | Seaports—Continued |            |                 |            |                  | Northern border ports |            |          |         |
|------------------------------|--------------------|------------|-----------------|------------|------------------|-----------------------|------------|----------|---------|
|                              | American vessels   |            | Foreign vessels |            | Percent American | Total                 | With cargo | American | Foreign |
|                              | Total              | With cargo | Total           | With cargo |                  |                       |            |          |         |
| 1881-1890.....               | 2, 978             | 2, 541     | 10, 741         | 10, 254    | 21.7             | 2, 754                | 1, 778     | 472      | 2, 282  |
| 1891-1900.....               | 3, 644             | 2, 914     | 15, 377         | 14, 600    | 19.2             | 3, 442                | 2, 129     | 1, 394   | 2, 048  |
| 1901-1906.....               | 4, 000             | 3, 284     | 20, 633         | 19, 178    | 16.2             | 5, 918                | 3, 825     | 2, 812   | 3, 106  |
| 1906-1910.....               | 4, 084             | 3, 498     | 25, 072         | 23, 270    | 14.0             | 8, 036                | 5, 673     | 4, 198   | 3, 838  |
| 1911-1915.....               | 5, 361             | 4, 522     | 30, 594         | 28, 305    | 14.9             | 12, 090               | 8, 567     | 7, 161   | 4, 909  |
| 1915-1920 <sup>1</sup> ..... | 15, 465            | 11, 505    | 24, 681         | 23, 346    | 38.5             | 13, 511               | 9, 637     | 7, 550   | 5, 962  |
| 1921-1925.....               | 22, 556            | 14, 977    | 31, 022         | 28, 087    | 42.1             | 13, 075               | 9, 236     | 6, 998   | 6, 077  |
| 1926-1930.....               | 23, 338            | 17, 071    | 41, 102         | 35, 510    | 36.2             | 15, 319               | 10, 504    | 7, 371   | 7, 948  |
| 1931-1935.....               | 19, 653            | 15, 729    | 35, 561         | 29, 261    | 35.6             | 10, 351               | 7, 309     | 3, 962   | 6, 388  |
| 1910-1914.....               | 4, 778             | 4, 109     | 30, 187         | 27, 915    | 13.7             | 11, 614               | 8, 380     | 6, 812   | 4, 802  |
| 1914-1920 <sup>1</sup> ..... | 14, 171            | 10, 611    | 25, 245         | 23, 783    | 36.0             | 13, 190               | 9, 279     | 7, 358   | 5, 832  |
| 1921.....                    | 23, 432            | 15, 215    | 26, 991         | 24, 770    | 46.5             | 12, 242               | 8, 092     | 6, 749   | 5, 493  |
| 1922.....                    | 23, 755            | 14, 743    | 28, 044         | 24, 501    | 45.9             | 13, 040               | 9, 234     | 8, 004   | 5, 036  |
| 1923.....                    | 21, 305            | 14, 584    | 31, 910         | 27, 814    | 40.0             | 13, 409               | 9, 514     | 6, 627   | 6, 782  |
| 1924.....                    | 22, 806            | 15, 397    | 32, 397         | 32, 368    | 41.4             | 13, 616               | 9, 933     | 7, 196   | 6, 421  |
| 1925.....                    | 21, 394            | 14, 948    | 35, 766         | 30, 802    | 37.4             | 13, 068               | 8, 805     | 6, 414   | 6, 664  |
| 1926.....                    | 22, 234            | 15, 836    | 43, 349         | 38, 399    | 33.9             | 13, 458               | 9, 241     | 6, 298   | 7, 190  |
| 1927.....                    | 22, 078            | 16, 524    | 37, 681         | 32, 895    | 36.9             | 15, 682               | 10, 656    | 7, 716   | 7, 966  |
| 1928.....                    | 23, 150            | 16, 060    | 40, 151         | 34, 640    | 36.6             | 17, 335               | 11, 898    | 8, 554   | 8, 782  |
| 1929.....                    | 25, 045            | 18, 337    | 41, 985         | 35, 795    | 37.4             | 15, 313               | 10, 917    | 6, 883   | 8, 431  |
| 1930.....                    | 24, 164            | 17, 687    | 42, 346         | 35, 820    | 36.3             | 14, 803               | 9, 809     | 7, 406   | 7, 402  |
| 1931.....                    | 21, 417            | 16, 732    | 39, 787         | 33, 073    | 35.0             | 12, 297               | 8, 644     | 5, 437   | 6, 860  |
| 1932.....                    | 20, 204            | 16, 072    | 34, 695         | 27, 838    | 36.8             | 9, 547                | 6, 799     | 3, 690   | 5, 536  |
| 1933.....                    | 19, 093            | 15, 824    | 32, 990         | 27, 374    | 36.7             | 9, 204                | 6, 629     | 3, 340   | 5, 864  |
| 1934.....                    | 18, 901            | 15, 571    | 34, 261         | 28, 310    | 35.5             | 10, 540               | 7, 318     | 3, 899   | 6, 641  |
| 1935.....                    | 18, 651            | 14, 447    | 36, 071         | 29, 712    | 34.0             | 10, 165               | 7, 153     | 3, 475   | 6, 990  |

<sup>1</sup> Average for period July 1, 1915, to Dec. 31, 1920.<sup>2</sup> Average for period July 1, 1914, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

# No. 488.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEA-PORTS IN FOREIGN TRADE: BY COUNTRIES OF ORIGIN AND DESTINATION

NOTE.—In thousands of net tons. Only traffic by sea is included. The first column covers years ended June 30, the second column the period July 1, 1914, to Dec. 31, 1920, the others, calendar years. For definition of net tonnage see general note, p. 403

| Country                                                   | 1910-<br>1914,<br>average | 1914-<br>1920,<br>average | 1921-<br>1925,<br>average | 1926-<br>1930,<br>average | 1931-<br>1935,<br>average | 1933   | 1934   | 1935   |
|-----------------------------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|
| Total by sea:                                             |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 35,212                    | 37,604                    | 52,959                    | 53,795                    | 54,028                    | 51,564 | 53,132 | 54,289 |
| Cleared.....                                              | 34,865                    | 39,417                    | 53,578                    | 54,441                    | 55,214                    | 52,083 | 53,182 | 54,722 |
| Belgium:                                                  |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 955                       | 392                       | 1,231                     | 1,560                     | 1,068                     | 1,078  | 904    | 932    |
| Cleared.....                                              | 1,039                     | 452                       | 1,190                     | 1,280                     | 1,013                     | 980    | 906    | 991    |
| Denmark:                                                  |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 297                       | 373                       | 372                       | 532                       | 451                       | 425    | 420    | 407    |
| Cleared.....                                              | 305                       | 498                       | 450                       | 695                       | 402                       | 393    | 333    | 308    |
| France:                                                   |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 1,047                     | 2,251                     | 1,953                     | 2,321                     | 2,027                     | 2,090  | 1,989  | 2,050  |
| Cleared.....                                              | 1,453                     | 3,345                     | 2,250                     | 2,475                     | 2,582                     | 2,714  | 2,770  | 2,004  |
| Germany:                                                  |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 3,113                     | 260                       | 2,998                     | 3,813                     | 3,808                     | 3,770  | 3,479  | 3,388  |
| Cleared.....                                              | 3,474                     | 298                       | 3,165                     | 3,714                     | 3,235                     | 3,241  | 2,610  | 2,774  |
| Italy:                                                    |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 1,305                     | 2,171                     | 1,707                     | 2,101                     | 1,909                     | 2,032  | 1,833  | 1,872  |
| Cleared.....                                              | 1,662                     | 2,489                     | 1,988                     | 2,023                     | 1,869                     | 2,006  | 1,858  | 2,040  |
| Netherlands:                                              |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 1,169                     | 1,291                     | 1,654                     | 2,081                     | 1,389                     | 1,382  | 1,399  | 1,350  |
| Cleared.....                                              | 1,521                     | 1,459                     | 1,404                     | 1,490                     | 1,050                     | 1,015  | 996    | 970    |
| Norway:                                                   |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 193                       | 521                       | 384                       | 300                       | 370                       | 441    | 348    | 427    |
| Cleared.....                                              | 159                       | 830                       | 412                       | 361                       | 260                       | 237    | 278    | 287    |
| Spain:                                                    |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 724                       | 888                       | 608                       | 850                       | 674                       | 656    | 677    | 741    |
| Cleared.....                                              | 337                       | 490                       | 463                       | 612                       | 597                       | 562    | 643    | 738    |
| Sweden:                                                   |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 68                        | 240                       | 504                       | 681                       | 695                       | 698    | 677    | 711    |
| Cleared.....                                              | 66                        | 440                       | 353                       | 498                       | 412                       | 339    | 408    | 467    |
| United Kingdom:                                           |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 7,238                     | 8,765                     | 9,378                     | 10,614                    | 6,087                     | 5,478  | 5,712  | 5,056  |
| Cleared.....                                              | 7,162                     | 8,164                     | 8,647                     | 10,577                    | 6,147                     | 5,626  | 5,481  | 5,806  |
| Canada:                                                   |                           |                           |                           |                           |                           |        |        |        |
| Atlantic coast—                                           |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 1,479                     | 1,092                     | 1,201                     | 1,607                     | 2,265                     | 2,150  | 2,204  | 2,266  |
| Cleared.....                                              | 1,594                     | 1,007                     | 1,331                     | 1,709                     | 2,207                     | 2,063  | 2,110  | 2,718  |
| British Columbia, Yukon—                                  |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 2,539                     | 3,117                     | 4,571                     | 6,619                     | 6,682                     | 6,496  | 6,614  | 6,095  |
| Cleared.....                                              | 2,589                     | 3,094                     | 4,573                     | 6,556                     | 6,378                     | 6,779  | 6,038  | 6,357  |
| Central America: 1                                        |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 1,879                     | 1,535                     | 1,734                     | 2,391                     | 2,228                     | 2,223  | 2,410  | 2,522  |
| Cleared.....                                              | 2,121                     | 1,610                     | 1,640                     | 2,692                     | 2,801                     | 2,620  | 2,805  | 2,916  |
| Mexico:                                                   |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 1,789                     | 3,788                     | 8,160                     | 2,840                     | 1,548                     | 1,363  | 1,446  | 1,616  |
| Cleared.....                                              | 1,847                     | 3,727                     | 8,391                     | 2,892                     | 1,755                     | 1,687  | 1,704  | 1,760  |
| British West Indies, Bermu-<br>das, and British Honduras: |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 1,038                     | 564                       | 1,351                     | 1,975                     | 3,210                     | 2,522  | 3,358  | 3,221  |
| Cleared.....                                              | 1,181                     | 642                       | 1,435                     | 2,216                     | 3,400                     | 2,992  | 3,381  | 3,295  |
| Cuba:                                                     |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 3,030                     | 3,450                     | 4,709                     | 5,875                     | 5,435                     | 5,576  | 4,071  | 4,755  |
| Cleared.....                                              | 2,449                     | 3,560                     | 4,659                     | 5,832                     | 5,292                     | 5,428  | 4,444  | 4,719  |
| Dominican Republic:                                       |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 179                       | 345                       | 380                       | 713                       | 688                       | 706    | 644    | 607    |
| Cleared.....                                              | 200                       | 404                       | 449                       | 920                       | 903                       | 976    | 865    | 813    |
| Haiti:                                                    |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 123                       | 108                       | 105                       | 220                       | 176                       | 191    | 171    | 173    |
| Cleared.....                                              | 124                       | 186                       | 230                       | 204                       | 188                       | 170    | 167    | 209    |
| Argentina:                                                |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 792                       | 633                       | 1,006                     | 966                       | 499                       | 370    | 391    | 784    |
| Cleared.....                                              | 619                       | 762                       | 707                       | 997                       | 358                       | 138    | 291    | 402    |
| Brazil:                                                   |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 1,131                     | 550                       | 552                       | 918                       | 803                       | 756    | 788    | 847    |
| Cleared.....                                              | 558                       | 841                       | 913                       | 1,252                     | 924                       | 896    | 936    | 1,039  |
| Chile:                                                    |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 462                       | 853                       | 975                       | 1,387                     | 545                       | 331    | 580    | 754    |
| Cleared.....                                              | 327                       | 797                       | 793                       | 1,058                     | 507                       | 430    | 619    | 625    |
| Colombia:                                                 |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 199                       | 231                       | 144                       | 958                       | 1,056                     | 1,174  | 974    | 967    |
| Cleared.....                                              | 196                       | 213                       | 226                       | 995                       | 1,015                     | 967    | 992    | 1,141  |
| British East Indies:                                      |                           |                           |                           |                           |                           |        |        |        |
| Entered.....                                              | 329                       | 347                       | 576                       | 833                       | 459                       | 355    | 240    | 199    |
| Cleared.....                                              | 131                       | 204                       | 330                       | 428                       | 181                       | 57     | 35     | 53     |

<sup>1</sup> Not including British Honduras.

**No. 488.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: BY COUNTRIES OF ORIGIN AND DESTINATION—Contd.**

| Country                            | 1910-<br>1914,<br>average | 1914-<br>1920,<br>average | 1921-<br>1925,<br>average | 1926-<br>1930,<br>average | 1931-<br>1935,<br>average | 1933  | 1934  | 1935  |
|------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------|-------|-------|
| China, Hong Kong, and<br>Kwantung: |                           |                           |                           |                           |                           |       |       |       |
| Entered.....                       | 442                       | 519                       | 959                       | 1,044                     | 827                       | 772   | 771   | 686   |
| Cleared.....                       | 391                       | 479                       | 963                       | 894                       | 562                       | 520   | 614   | 274   |
| Japan:                             |                           |                           |                           |                           |                           |       |       |       |
| Entered.....                       | 646                       | 733                       | 1,607                     | 2,320                     | 2,169                     | 1,941 | 2,286 | 2,953 |
| Cleared.....                       | 542                       | 796                       | 2,106                     | 3,284                     | 3,815                     | 3,440 | 4,037 | 4,488 |
| Philippine Islands:                |                           |                           |                           |                           |                           |       |       |       |
| Entered.....                       | 85                        | 132                       | 408                       | 611                       | 1,012                     | 1,080 | 1,248 | 899   |
| Cleared.....                       | 144                       | 124                       | 359                       | 503                       | 466                       | 484   | 537   | 546   |
| Oceania:                           |                           |                           |                           |                           |                           |       |       |       |
| Entered.....                       | 298                       | 379                       | 509                       | 931                       | 778                       | 768   | 761   | 864   |
| Cleared.....                       | 534                       | 567                       | 946                       | 1,396                     | 831                       | 795   | 820   | 844   |
| All other countries:               |                           |                           |                           |                           |                           |       |       |       |
| Entered.....                       | 2,725                     | 2,094                     | 3,185                     | 6,649                     | 5,022                     | 4,753 | 5,952 | 6,727 |
| Cleared.....                       | 2,240                     | 1,938                     | 3,149                     | 6,913                     | 5,496                     | 4,499 | 5,425 | 5,534 |

**No. 489.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: BY NATIONALITY OF VESSEL**

NOTE.—In thousands of net tons. Only traffic by sea and to and from foreign countries is included. The large trade with Canada on the Great Lakes and the St. Lawrence is handled about equally by vessels of the United States and of the British (Canadian) flag. See tables 486 and 487 in which the columns for northern border represent trade with Quebec and Ontario. For periods covered see note, table 488

|                    | 1910-<br>1914,<br>average | 1914-<br>1920,<br>average | 1921-<br>1925,<br>average | 1926-<br>1930,<br>average | 1931-<br>1935,<br>average | 1933   | 1934   | 1935   |
|--------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------|--------|--------|
| Total by sea:      |                           |                           |                           |                           |                           |        |        |        |
| Entered.....       | 35,212                    | 37,604                    | 52,959                    | 63,768                    | 64,928                    | 51,564 | 53,132 | 64,299 |
| Cleared.....       | 34,865                    | 39,417                    | 53,578                    | 64,441                    | 55,214                    | 52,083 | 53,192 | 64,722 |
| American:          |                           |                           |                           |                           |                           |        |        |        |
| Entered.....       | 4,753                     | 13,327                    | 22,528                    | 23,182                    | 19,855                    | 19,051 | 19,186 | 18,894 |
| Cleared.....       | 4,778                     | 14,171                    | 22,556                    | 23,338                    | 19,658                    | 19,093 | 18,901 | 18,651 |
| Total foreign:     |                           |                           |                           |                           |                           |        |        |        |
| Entered.....       | 30,459                    | 24,279                    | 30,433                    | 40,586                    | 35,074                    | 32,513 | 33,946 | 35,395 |
| Cleared.....       | 30,186                    | 25,245                    | 31,022                    | 41,102                    | 35,561                    | 32,990 | 34,261 | 36,071 |
| Belgian:           |                           |                           |                           |                           |                           |        |        |        |
| Entered.....       | 412                       | 269                       | 332                       | 374                       | 274                       | 235    | 225    | 352    |
| Cleared.....       | 404                       | 283                       | 343                       | 370                       | 269                       | 228    | 225    | 333    |
| British:           |                           |                           |                           |                           |                           |        |        |        |
| Entered.....       | 17,901                    | 14,168                    | 16,807                    | 20,189                    | 15,270                    | 13,714 | 14,025 | 14,528 |
| Cleared.....       | 17,814                    | 14,755                    | 17,064                    | 20,201                    | 15,373                    | 14,012 | 14,851 | 14,644 |
| Danish:            |                           |                           |                           |                           |                           |        |        |        |
| Entered.....       | 472                       | 774                       | 929                       | 1,136                     | 917                       | 827    | 861    | 1,050  |
| Cleared.....       | 450                       | 795                       | 928                       | 1,168                     | 902                       | 852    | 833    | 966    |
| Dutch:             |                           |                           |                           |                           |                           |        |        |        |
| Entered.....       | 1,004                     | 1,007                     | 1,300                     | 1,798                     | 1,034                     | 1,307  | 1,561  | 1,827  |
| Cleared.....       | 1,007                     | 1,055                     | 1,292                     | 1,809                     | 1,027                     | 1,291  | 1,567  | 1,793  |
| French:            |                           |                           |                           |                           |                           |        |        |        |
| Entered.....       | 997                       | 878                       | 1,492                     | 1,870                     | 1,652                     | 1,601  | 1,542  | 1,800  |
| Cleared.....       | 990                       | 919                       | 1,518                     | 1,905                     | 1,694                     | 1,589  | 1,505  | 1,935  |
| German:            |                           |                           |                           |                           |                           |        |        |        |
| Entered.....       | 4,362                     | 107                       | 847                       | 2,654                     | 3,260                     | 3,333  | 2,885  | 2,936  |
| Cleared.....       | 4,300                     | 79                        | 870                       | 2,736                     | 3,230                     | 3,364  | 2,859  | 3,000  |
| Italian:           |                           |                           |                           |                           |                           |        |        |        |
| Entered.....       | 821                       | 1,211                     | 1,490                     | 2,175                     | 1,768                     | 2,094  | 1,665  | 1,599  |
| Cleared.....       | 850                       | 1,369                     | 1,569                     | 2,150                     | 1,800                     | 2,089  | 1,674  | 1,690  |
| Japanese:          |                           |                           |                           |                           |                           |        |        |        |
| Entered.....       | 353                       | 1,099                     | 2,059                     | 2,618                     | 2,473                     | 2,372  | 2,528  | 2,653  |
| Cleared.....       | 244                       | 1,046                     | 2,235                     | 2,741                     | 2,682                     | 2,468  | 2,705  | 3,001  |
| Norwegian:         |                           |                           |                           |                           |                           |        |        |        |
| Entered.....       | 2,679                     | 2,744                     | 2,817                     | 4,026                     | 4,072                     | 3,729  | 4,231  | 4,829  |
| Cleared.....       | 2,684                     | 2,822                     | 2,784                     | 4,136                     | 4,178                     | 3,822  | 4,321  | 4,932  |
| Spanish:           |                           |                           |                           |                           |                           |        |        |        |
| Entered.....       | 413                       | 606                       | 480                       | 571                       | 459                       | 421    | 446    | 495    |
| Cleared.....       | 398                       | 637                       | 487                       | 586                       | 457                       | 431    | 457    | 481    |
| Swedish:           |                           |                           |                           |                           |                           |        |        |        |
| Entered.....       | 70                        | 353                       | 564                       | 985                       | 1,013                     | 959    | 983    | 1,081  |
| Cleared.....       | 70                        | 367                       | 566                       | 1,005                     | 1,017                     | 927    | 999    | 1,062  |
| All other foreign: |                           |                           |                           |                           |                           |        |        |        |
| Entered.....       | 975                       | 1,062                     | 1,317                     | 2,190                     | 2,252                     | 1,921  | 2,094  | 2,236  |
| Cleared.....       | 977                       | 1,122                     | 1,366                     | 2,206                     | 2,281                     | 1,927  | 2,115  | 2,304  |

Source of tables 488 and 489: Bureau of Foreign and Domestic Commerce.



# No. 490.—EXPORTS (INCLUDING REEXPORTS) AND IMPORTS OF MER- CHANDISE: VALUE, BY METHOD OF CARRIAGE

NOTE.—All figures except percentages expressed in millions of dollars. Figures cover fiscal years ended Sept. 30, 1880 and 1890, and June 30, 1915 to 1916, calendar years thereafter

| Yearly average or year       | Exports (including reexports) |                |                     |                    |                           | Imports |                |                     |                    |                           | Water borne—per cent in American vessels |         |
|------------------------------|-------------------------------|----------------|---------------------|--------------------|---------------------------|---------|----------------|---------------------|--------------------|---------------------------|------------------------------------------|---------|
|                              | Total                         | Total by water | In American vessels | In foreign vessels | By cars, aircraft, etc. 1 | Total   | Total by water | In American vessels | In foreign vessels | By cars, aircraft, etc. 1 | Exports                                  | Imports |
| 1830 <sup>1</sup> .....      | 74                            | 74             | 64                  | 10                 | ( <sup>2</sup> )          | 71      | 71             | 66                  | 5                  | ( <sup>2</sup> )          | 86.6                                     | 93.1    |
| 1840 <sup>1</sup> .....      | 132                           | 132            | 108                 | 27                 | ( <sup>2</sup> )          | 107     | 107            | 93                  | 14                 | ( <sup>2</sup> )          | 80.0                                     | 87.6    |
| 1850 <sup>1</sup> .....      | 152                           | 152            | 100                 | 52                 | ( <sup>2</sup> )          | 178     | 178            | 140                 | 39                 | ( <sup>2</sup> )          | 65.5                                     | 78.4    |
| 1860 <sup>1</sup> .....      | 400                           | 400            | 279                 | 121                | ( <sup>2</sup> )          | 362     | 362            | 228                 | 134                | ( <sup>2</sup> )          | 70.0                                     | 93.0    |
| 1870 <sup>1</sup> .....      | 451                           | 451            | 170                 | 281                | ( <sup>2</sup> )          | 462     | 462            | 153                 | 309                | ( <sup>2</sup> )          | 37.7                                     | 33.1    |
| 1871-1875 <sup>1</sup> ..... | 586                           | 578            | 187                 | 422                | 8                         | 599     | 584            | 170                 | 414                | 16                        | 27.1                                     | 35.1    |
| 1876-1880 <sup>1</sup> ..... | 711                           | 704            | 142                 | 562                | 7                         | 614     | 501            | 147                 | 354                | 13                        | 20.2                                     | 29.3    |
| 1881-1885.....               | 732                           | 773            | 100                 | 673                | 19                        | 667     | 646            | 130                 | 517                | 21                        | 12.9                                     | 20.1    |
| 1886-1890.....               | 738                           | 714            | 79                  | 658                | 25                        | 717     | 685            | 122                 | 563                | 33                        | 10.6                                     | 17.8    |
| 1891-1895.....               | 892                           | 851            | 79                  | 779                | 42                        | 785     | 748            | 125                 | 623                | 38                        | 8.6                                      | 16.7    |
| 1896-1900.....               | 1,157                         | 1,079          | 78                  | 1,001              | 79                        | 742     | 706            | 101                 | 604                | 36                        | 7.2                                      | 14.4    |
| 1901-1905.....               | 1,454                         | 1,316          | 97                  | 1,218              | 138                       | 972     | 909            | 122                 | 787                | 63                        | 7.4                                      | 13.5    |
| 1906-1910.....               | 1,779                         | 1,576          | 128                 | 1,448              | 203                       | 1,846   | 1,262          | 159                 | 1,103              | 83                        | 8.1                                      | 12.6    |
| 1911-1915.....               | 2,371                         | 2,049          | 187                 | 1,862              | 322                       | 1,712   | 1,690          | 198                 | 1,362              | 123                       | 9.1                                      | 12.5    |
| 1915-1920 <sup>4</sup> ..... | 8,515                         | 5,712          | 1,556               | 4,166              | 803                       | 3,358   | 2,961          | 978                 | 1,984              | 397                       | 27.2                                     | 33.0    |
| 1921-1925.....               | 4,397                         | 3,788          | 1,405               | 2,383              | 609                       | 3,450   | 3,013          | 978                 | 2,035              | 437                       | 37.1                                     | 32.5    |
| 1926-1930.....               | 4,777                         | 3,983          | 1,882               | 2,600              | 795                       | 4,033   | 3,609          | 1,129               | 2,380              | 524                       | 34.7                                     | 32.2    |
| 1931-1935.....               | 1,569                         | 1,742          | 617                 | 1,125              | 284                       | 1,708   | 1,607          | 538                 | 970                | 180                       | 35.4                                     | 35.8    |
| 1924.....                    | 4,591                         | 4,010          | 1,532               | 2,478              | 1,581                     | 3,610   | 3,145          | 1,012               | 2,133              | 466                       | 38.2                                     | 32.1    |
| 1925.....                    | 4,910                         | 4,224          | 1,473               | 2,761              | 686                       | 4,227   | 3,715          | 1,151               | 2,565              | 519                       | 34.9                                     | 31.0    |
| 1926.....                    | 4,809                         | 4,050          | 1,401               | 2,649              | 759                       | 4,431   | 3,891          | 1,196               | 2,696              | 540                       | 34.0                                     | 30.7    |
| 1927.....                    | 4,865                         | 4,097          | 1,434               | 2,663              | 768                       | 4,185   | 3,662          | 1,215               | 2,447              | 523                       | 35.0                                     | 33.2    |
| 1928.....                    | 5,128                         | 4,277          | 1,472               | 2,804              | 851                       | 4,091   | 3,550          | 1,133               | 2,418              | 541                       | 34.4                                     | 31.9    |
| 1929.....                    | 5,241                         | 4,322          | 1,487               | 2,835              | 920                       | 4,399   | 3,807          | 1,205               | 2,602              | 692                       | 34.4                                     | 31.6    |
| 1930.....                    | 3,843                         | 3,168          | 1,117               | 2,051              | 675                       | 3,061   | 2,635          | 898                 | 1,737              | 426                       | 35.8                                     | 34.1    |
| 1931.....                    | 2,424                         | 2,043          | 732                 | 1,311              | 382                       | 2,091   | 1,829          | 619                 | 1,210              | 262                       | 35.8                                     | 33.8    |
| 1932.....                    | 1,611                         | 1,385          | 476                 | 909                | 228                       | 1,323   | 1,164          | 431                 | 734                | 158                       | 34.4                                     | 37.0    |
| 1933.....                    | 1,675                         | 1,471          | 515                 | 956                | 204                       | 1,450   | 1,287          | 461                 | 826                | 162                       | 35.0                                     | 35.8    |
| 1934.....                    | 2,133                         | 1,837          | 658                 | 1,179              | 296                       | 1,636   | 1,446          | 528                 | 917                | 190                       | 35.8                                     | 30.5    |
| 1935.....                    | 2,283                         | 1,973          | 705                 | 1,268              | 310                       | 2,039   | 1,813          | 649                 | 1,104              | 226                       | 35.8                                     | 35.8    |

## TOTAL WATER-BORNE EXPORTS AND IMPORTS COMBINED

| Yearly average or year       | Total | In American vessels | In foreign vessels | Per cent in American vessels | Yearly average or year | Total | In American vessels | In foreign vessels | Per cent in American vessels |
|------------------------------|-------|---------------------|--------------------|------------------------------|------------------------|-------|---------------------|--------------------|------------------------------|
| 1830 <sup>1</sup> .....      | 145   | 130                 | 15                 | 89.7                         | 1921-1925.....         | 6,801 | 2,333               | 4,418              | 35.0                         |
| 1840 <sup>1</sup> .....      | 239   | 198                 | 41                 | 82.3                         | 1926-1930.....         | 7,492 | 2,511               | 4,980              | 33.5                         |
| 1850 <sup>1</sup> .....      | 330   | 239                 | 91                 | 72.5                         | 1931-1935.....         | 3,249 | 1,155               | 2,095              | 35.6                         |
| 1860 <sup>1</sup> .....      | 782   | 507                 | 265                | 65.5                         |                        |       |                     |                    |                              |
| 1870 <sup>1</sup> .....      | 913   | 323                 | 590                | 35.6                         | 1924.....              | 7,155 | 2,544               | 4,611              | 35.7                         |
|                              |       |                     |                    |                              | 1925.....              | 7,940 | 2,624               | 5,316              | 33.0                         |
| 1871-1875 <sup>1</sup> ..... | 1,182 | 326                 | 835                | 30.6                         | 1926.....              | 7,941 | 2,596               | 5,345              | 34.0                         |
| 1876-1880 <sup>1</sup> ..... | 1,306 | 289                 | 917                | 23.9                         | 1927.....              | 7,760 | 2,649               | 5,110              | 34.1                         |
| 1881-1885.....               | 1,419 | 229                 | 1,190              | 16.2                         | 1928.....              | 7,827 | 2,095               | 5,222              | 33.8                         |
| 1886-1890.....               | 1,898 | 188                 | 1,200              | 14.1                         | 1929.....              | 8,129 | 2,692               | 5,437              | 33.1                         |
| 1891-1895.....               | 1,598 | 198                 | 1,400              | 12.4                         | 1930.....              | 5,803 | 2,016               | 3,788              | 34.7                         |
| 1896-1900.....               | 1,784 | 179                 | 1,605              | 10.0                         | 1931.....              | 3,871 | 1,351               | 2,520              | 34.9                         |
| 1901-1905.....               | 2,225 | 220                 | 2,005              | 9.9                          | 1932.....              | 2,549 | 907                 | 1,643              | 35.6                         |
| 1906-1910.....               | 2,838 | 287                 | 2,552              | 10.1                         | 1933.....              | 2,758 | 976                 | 1,782              | 35.4                         |
| 1911-1915.....               | 3,639 | 385                 | 3,254              | 10.6                         | 1934.....              | 3,283 | 1,186               | 2,097              | 36.1                         |
| 1915-1920 <sup>4</sup> ..... | 8,673 | 2,534               | 6,140              | 29.2                         | 1935.....              | 3,786 | 1,354               | 2,432              | 35.8                         |

<sup>1</sup> Exports include parcel post beginning 1924; imports, beginning 1921.

<sup>2</sup> Includes gold and silver coin and bullion to 1879, inclusive.

<sup>3</sup> Included in American and foreign vessels.

<sup>4</sup> Average for period July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

## 22.—FOREIGN COMMERCE OF THE UNITED STATES

GENERAL NOTE.—All statistics of foreign commerce in this section are compiled in the Bureau of Foreign and Domestic Commerce, Department of Commerce. Except as noted (as, for example, in table 518) the values stated are in United States dollars without reference to changes in the gold content of the dollar. (The statutory price of gold—\$20.67 per ounce—in effect prior to January 31, 1934, was changed on that date by Executive Order to \$35.00 per ounce. Between March 10, 1933, and January 31, 1934, the foreign exchange value of the dollar was permitted to depreciate as a result of restriction placed on gold shipments to foreign countries.) The geographic area covered by these statistics, except as noted, is the United States customs area, which includes Alaska, Hawaii, and Puerto Rico, and, beginning January 1, 1935, the Virgin Islands (see headnote, table 494). Other explanations of the trade tables are given in the introduction to the Annual Foreign Commerce and Navigation of the United States

### No. 491.—SUMMARY OF FOREIGN TRADE OF THE UNITED STATES

NOTE.—Values in thousands of dollars. Data are for calendar years

|                                                                           | 1921-1925,<br>average | 1926-1930,<br>average | 1931      | 1932      | 1933      | 1934       | 1935       |
|---------------------------------------------------------------------------|-----------------------|-----------------------|-----------|-----------|-----------|------------|------------|
| <b>Merchandise:</b>                                                       |                       |                       |           |           |           |            |            |
| Exports.....                                                              | 4,397,026             | 4,777,313             | 2,494,289 | 1,611,016 | 1,674,994 | 2,132,800  | 2,282,874  |
| United States merchandise.....                                            | 4,310,221             | 4,087,789             | 2,377,982 | 1,576,151 | 1,647,220 | 2,100,135  | 2,243,081  |
| Reexports of foreign merchandise.....                                     | 86,805                | 89,520                | 46,307    | 34,865    | 27,774    | 32,665     | 39,793     |
| General imports.....                                                      | 3,450,103             | 4,033,469             | 2,090,635 | 1,322,774 | 1,449,559 | 1,655,056  | 2,047,485  |
| Excess of exports.....                                                    | 946,924               | 743,845               | 333,654   | 288,242   | 225,435   | 477,745    | 235,389    |
| <b>Gold:</b>                                                              |                       |                       |           |           |           |            |            |
| Exports.....                                                              | 52,739                | 222,094               | 466,794   | 809,528   | 366,652   | 52,759     | 1,980      |
| Imports.....                                                              | 347,426               | 255,528               | 612,119   | 363,315   | 193,197   | 1,186,671  | 1,740,979  |
| Excess of exports (+) or imports (-).....                                 | -294,686              | -33,434               | -145,325  | +446,213  | +173,455  | -1,133,912 | -1,739,019 |
| <b>Silver:</b>                                                            |                       |                       |           |           |           |            |            |
| Exports.....                                                              | 79,174                | 78,566                | 26,486    | 13,850    | 19,041    | 16,551     | 16,801     |
| Imports.....                                                              | 69,409                | 59,898                | 28,664    | 19,650    | 60,325    | 102,725    | 354,631    |
| Excess of exports (+) or imports (-).....                                 | +9,765                | +18,668               | -2,179    | -5,800    | -41,184   | -86,174    | -336,730   |
| Excess of exports (+) or imports (-) of merchandise, gold and silver..... | +692,003              | +729,078              | +186,150  | +728,655  | +557,706  | -742,341   | -1,839,360 |
| <b>Imports of merchandise</b>                                             |                       |                       |           |           |           |            |            |
| for consumption.....                                                      | 3,422,748             | 4,020,350             | 2,088,455 | 1,325,093 | 1,433,013 | 1,636,098  | 2,036,905  |
| Entered for immediate consumption.....                                    | 3,050,279             | 3,602,947             | 1,881,011 | 1,197,903 | 1,253,651 | 1,388,173  | 1,762,328  |
| Withdrawn from warehouse.....                                             | 372,469               | 417,403               | 207,444   | 127,190   | 179,362   | 247,920    | 276,577    |
| Free.....                                                                 | 2,088,932             | 2,045,610             | 1,391,693 | 885,536   | 903,547   | 991,161    | 1,205,987  |
| Dutiable.....                                                             | 1,333,816             | 1,374,740             | 696,762   | 439,557   | 529,466   | 644,842    | 832,918    |
| Per cent free.....                                                        | 61.08                 | 65.81                 | 66.64     | 66.83     | 63.06     | 60.58      | 59.15      |
| Duties calculated.....                                                    | 478,911               | 550,743               | 370,771   | 259,600   | 283,681   | 301,168    | 357,163    |
| Ratio of duties to total imports for consumption, per cent.....           | 13.99                 | 13.70                 | 17.75     | 19.59     | 19.80     | 18.41      | 17.52      |
| Ratio to dutiable imports.....                                            | 35.90                 | 40.06                 | 53.21     | 59.06     | 53.58     | 46.70      | 42.88      |
| Entered for warehouse.....                                                | 369,824               | 420,521               | 209,624   | 124,870   | 195,908   | 260,882    | 285,157    |

### No. 492.—PRODUCTION OF EXPORTABLE GOODS AND PROPORTION EXPORTED

NOTE.—Agricultural production prior to 1909 is the estimated value of farm products, excluding crops fed to livestock; beginning 1909 it is gross income, excluding feed, seed, and waste. Value added by manufacture represents manufactures. Value of mine products in 1909 and 1910 are census figures, in 1929 census data plus petroleum products, while estimates for other years are based on data of the Bureau of Mines. As the figures are not adjusted for price changes the increase or decrease in absolute values from period to period should be disregarded.

[Amounts in millions of dollars]

| Year | Agricultural products | Manufactures | Mining | Freight receipts (railroad) | Total  | Exports, U. S. merchandise | Per cent of total |
|------|-----------------------|--------------|--------|-----------------------------|--------|----------------------------|-------------------|
| 1899 | 3,355                 | 4,331        | 600    | <sup>1</sup> 981            | 9,767  | 1,253                      | 12.8              |
| 1909 | 6,233                 | 8,385        | 1,238  | 11,801                      | 17,662 | 1,701                      | 9.6               |
| 1919 | 16,635                | 24,809       | 3,158  | 3,625                       | 48,227 | 7,750                      | 16.0              |
| 1921 | 8,627                 | 18,332       | 2,900  | 4,004                       | 34,163 | 4,379                      | 12.8              |
| 1923 | 11,041                | 25,850       | 4,300  | 4,712                       | 45,903 | 4,091                      | 8.9               |
| 1925 | 11,968                | 26,778       | 4,100  | 4,048                       | 47,494 | 4,819                      | 10.1              |
| 1927 | 11,616                | 27,585       | 4,000  | 4,720                       | 47,930 | 4,750                      | 9.9               |
| 1929 | 11,941                | 31,885       | 4,130  | 4,800                       | 52,825 | 5,157                      | 9.8               |
| 1931 | 6,968                 | 19,867       | 2,200  | 3,302                       | 32,337 | 2,378                      | 7.4               |
| 1933 | 6,128                 | 14,610       | 1,750  | 2,520                       | 25,017 | 1,647                      | 6.6               |

<sup>1</sup> Mean of preceding and following fiscal year.

<sup>2</sup> Latest year for which complete production data are available. The estimated proportion exported, based on a rough estimate of value of total production, was 7.5 percent in 1934.

### No. 493.—EXPORT OF MANUFACTURED GOODS IN RELATION TO TOTAL PRODUCTION

NOTE.—The value of materials, excluding duplication, is necessarily an approximation and hence is expressed as a maximum and minimum. As the figures are not adjusted for price changes, the absolute increase or decrease from period to period should be disregarded.

[Amounts in millions of dollars]

| Year                            | Value of product                 |                            |                 | Exports of United States merchandise |           |
|---------------------------------|----------------------------------|----------------------------|-----------------|--------------------------------------|-----------|
|                                 | Materials, excluding duplication | Value added by manufacture | Total net value | Amount                               | Per cent  |
| <b>All manufactures:</b>        |                                  |                            |                 |                                      |           |
| 1899                            | 2,300-2,800                      | 4,331                      | 7,100-7,600     | <sup>1</sup> 745                     | 9.8-10.5  |
| 1909                            | 4,300-5,200                      | 8,385                      | 12,700-13,600   | <sup>1</sup> 1,000                   | 7.4-7.9   |
| 1914                            | 5,300-6,500                      | 9,710                      | 15,000-18,200   | <sup>1</sup> 1,505                   | 9.3-10.0  |
| 1919                            | 12,500-14,500                    | 24,809                     | 37,300-39,300   | 5,449                                | 13.9-14.6 |
| 1921                            | 8,000-9,400                      | 18,332                     | 26,300-27,700   | 2,722                                | 9.8-10.3  |
| 1923                            | 11,500-13,200                    | 25,850                     | 37,350-39,050   | 2,625                                | 6.7-7.0   |
| 1925                            | 11,900-13,600                    | 26,778                     | 38,700-40,400   | 3,070                                | 7.6-8.0   |
| 1927                            | 11,750-13,450                    | 27,585                     | 39,300-41,000   | 3,145                                | 7.7-8.0   |
| 1929                            | 14,700-16,000                    | 31,885                     | 46,600-47,900   | 3,755                                | 7.8-8.0   |
| 1931                            | 6,800-8,200                      | 19,867                     | 26,700-28,100   | 1,684                                | 6.0-6.3   |
| 1933                            | 6,100-7,500                      | 14,610                     | 20,700-22,100   | 1,098                                | 4.6-4.9   |
| <b>Foodstuffs manufactures:</b> |                                  |                            |                 |                                      |           |
| 1899                            | 1,800-1,500                      | 445                        | 1,700-1,900     | <sup>1</sup> 312                     | 16.4-18.4 |
| 1909                            | 2,200-2,700                      | 816                        | 3,000-3,500     | <sup>1</sup> 1,281                   | 8.0-9.4   |
| 1914                            | 2,700-3,300                      | 1,071                      | 3,800-4,400     | <sup>1</sup> 1,374                   | 8.5-9.8   |
| 1919                            | 7,100-8,300                      | 2,496                      | 9,600-10,800    | 1,063                                | 18.2-20.4 |
| 1921                            | 4,100-4,800                      | 2,144                      | 6,200-6,900     | 685                                  | 9.9-11.0  |
| 1923                            | 4,750-5,500                      | 2,533                      | 7,300-8,000     | 583                                  | 7.3-8.0   |
| 1925                            | 5,300-6,100                      | 2,670                      | 8,000-8,800     | 574                                  | 6.5-7.2   |
| 1927                            | 5,500-6,300                      | 2,902                      | 8,400-9,200     | 463                                  | 5.0-5.5   |
| 1929                            | 6,000-6,800                      | 3,391                      | 9,400-10,200    | 484                                  | 4.7-6.1   |
| 1931                            | (?)                              | 2,721                      | (?)             | 247                                  | (?)       |
| 1933                            | (?)                              | 2,393                      | (?)             | 155                                  | (?)       |
| <b>Other manufactures:</b>      |                                  |                            |                 |                                      |           |
| 1899                            | 1,000-1,300                      | 4,386                      | 5,400-5,700     | <sup>1</sup> 423                     | 7.6-8.0   |
| 1909                            | 2,100-2,500                      | 7,569                      | 9,700-10,100    | <sup>1</sup> 1,719                   | 7.1-7.4   |
| 1914                            | 2,600-3,200                      | 8,630                      | 11,200-11,800   | <sup>1</sup> 1,131                   | 9.0-10.1  |
| 1919                            | 5,400-6,200                      | 22,313                     | 27,700-28,500   | 3,486                                | 12.2-12.9 |
| 1921                            | 3,900-4,600                      | 16,188                     | 20,100-20,800   | 2,037                                | 9.8-10.1  |
| 1923                            | 6,750-7,700                      | 23,317                     | 30,100-31,000   | 2,042                                | 6.6-6.8   |
| 1925                            | 6,600-7,500                      | 24,108                     | 30,700-31,600   | 2,505                                | 7.9-8.2   |
| 1927                            | 6,250-7,150                      | 24,683                     | 30,900-31,800   | 2,682                                | 8.4-8.7   |
| 1929                            | 8,700-9,200                      | 28,494                     | 37,200-37,700   | 3,261                                | 8.6-8.8   |
| 1931                            | (?)                              | 17,146                     | (?)             | 1,437                                | (?)       |
| 1933                            | (?)                              | 12,217                     | (?)             | 864                                  | (?)       |

<sup>1</sup> Mean of preceding and following fiscal year.

<sup>2</sup> Not available.

# **No. 494.—MERCHANDISE TRADE OF CONTINENTAL UNITED STATES WITH FOREIGN COUNTRIES AND OUTLYING TERRITORIES AND POSSESSIONS**

**IMPORTANT NOTE.**—This table differs as to its geographic basis from all other foreign trade tables in this section and in other publications: (1) In the case of other tables the data represent the trade of the "statistical customs area," which includes continental United States, Alaska, Hawaii, and Puerto Rico, and, beginning Jan. 1, 1935, Virgin Islands, with all foreign countries, including the Philippine and, prior to 1935, Virgin Islands. The data do not cover trade between continental United States and the territories included in the customs area as given above. (2) The present table takes continental United States as the basis. In the totals, trade between it and all United States territories and possessions is included, while the trade between that part of the customs area outside of continental United States and foreign countries is excluded. Practically all other nations calculate their foreign trade in the manner followed in the present table; that is, totaling the trade of the home country with foreign countries and with all outlying areas. Prior to 1901 Alaska was our only outlying area. Therefore, our foreign trade statistics for 1900 and earlier years very nearly represent the trade of continental United States with foreign countries. Data are for years ended June 30 through 1918; thereafter, for years ended Dec. 31

[All figures in thousands of dollars]

| Yearly average or year | Exports <sup>1</sup> |                      |                                      | Imports   |                        |                                        |
|------------------------|----------------------|----------------------|--------------------------------------|-----------|------------------------|----------------------------------------|
|                        | Total                | To foreign countries | To U. S. territories and possessions | Total     | From foreign countries | From U. S. territories and possessions |
| 1903-1905              | 1,495,616            | 1,456,132            | 39,484                               | 1,090,764 | 1,026,341              | 64,423                                 |
| 1906-1910              | 1,827,286            | 1,761,625            | 67,661                               | 1,410,329 | 1,324,594              | 85,734                                 |
| 1911-1915              | 2,441,254            | 2,337,591            | 103,664                              | 1,811,234 | 1,681,207              | 130,027                                |
| 1916-1920 <sup>2</sup> | 6,656,126            | 6,452,539            | 203,587                              | 3,596,084 | 3,274,496              | 321,588                                |
| 1921-1925              | 4,552,455            | 4,335,341            | 217,114                              | 3,650,280 | 3,351,878              | 298,902                                |
| 1926-1930              | 4,061,904            | 4,094,605            | 267,488                              | 4,270,498 | 3,896,506              | 373,992                                |
| 1931-1935              | 2,172,765            | 1,973,634            | 199,131                              | 1,913,075 | 1,610,686              | 302,389                                |
| 1924                   | 4,761,644            | 4,521,219            | 240,425                              | 3,832,148 | 3,494,150              | 337,989                                |
| 1925                   | 5,083,287            | 4,838,665            | 244,722                              | 4,455,787 | 4,090,887              | 364,900                                |
| 1926                   | 4,901,768            | 4,729,811            | 261,957                              | 4,600,318 | 4,303,302              | 366,016                                |
| 1927                   | 5,056,956            | 4,785,482            | 271,474                              | 4,421,181 | 4,047,124              | 374,057                                |
| 1928                   | 5,311,007            | 5,038,693            | 272,314                              | 4,349,314 | 3,951,050              | 398,264                                |
| 1929                   | 5,425,690            | 5,147,086            | 278,613                              | 4,625,145 | 4,251,077              | 374,068                                |
| 1930                   | 4,024,538            | 3,771,455            | 253,083                              | 3,287,534 | 2,920,978              | 357,556                                |
| 1931                   | 2,582,237            | 2,370,469            | 211,768                              | 2,307,185 | 1,987,340              | 319,845                                |
| 1932                   | 1,735,136            | 1,562,951            | 172,185                              | 1,497,364 | 1,229,293              | 268,071                                |
| 1933                   | 1,802,246            | 1,626,845            | 175,401                              | 1,639,694 | 1,344,933              | 294,761                                |
| 1934                   | 2,281,695            | 2,080,990            | 200,705                              | 1,863,046 | 1,554,327              | 308,718                                |
| 1935                   | 2,462,513            | 2,226,916            | 235,597                              | 2,258,087 | 1,937,837              | 320,550                                |

<sup>1</sup> Including reexports of foreign merchandise.

<sup>2</sup> Period July 1, 1915, to Dec. 31, 1920.

## **No. 495.—GOLD <sup>1</sup> UNDER EARMARK FOR FOREIGN ACCOUNT IN THE UNITED STATES**

**NOTE.**—All figures in thousands of dollars at rate of \$20.67 a fine ounce through January 1934 and at \$35 a fine ounce thereafter. Gold under earmark is gold placed by a bank in the custody of its foreign correspondent but segregated and marked so as to indicate that the identical coins or bars earmarked are the bank's property and altogether subject to its disposal

| Year | Increase or decrease during year of gold under earmark <sup>2</sup> | Month     | Amount under earmark at end of month |         |         |         |        |        |
|------|---------------------------------------------------------------------|-----------|--------------------------------------|---------|---------|---------|--------|--------|
|      |                                                                     |           | 1930                                 | 1931    | 1932    | 1933    | 1934   | 1935   |
| 1922 | +3,700                                                              | January   | 134,794                              | 125,795 | 433,149 | 92,552  | 46,874 | 7,886  |
| 1923 | -700                                                                | February  | 134,794                              | 123,295 | 406,781 | 270,837 | 10,709 | 7,649  |
| 1924 | +42,213                                                             | March     | 119,795                              | 120,295 | 348,469 | 370,920 | 11,548 | 8,810  |
| 1925 | -32,244                                                             | April     | 119,295                              | 127,795 | 344,501 | 337,228 | 12,679 | 10,611 |
| 1926 | +20,297                                                             | May       | 117,295                              | 123,795 | 366,650 | 315,114 | 12,190 | 12,147 |
| 1927 | +160,163                                                            | June      | 116,295                              | 31,531  | 395,447 | 311,569 | 11,204 | 11,149 |
| 1928 | -119,522                                                            | July      | 118,295                              | 61,231  | 339,210 | 227,099 | 10,616 | 11,572 |
| 1929 | +55,398                                                             | August    | 118,295                              | 77,231  | 238,709 | 147,632 | 11,671 | 9,776  |
| 1930 | +2,400                                                              | September | 114,303                              | 356,321 | 166,421 | 98,326  | 9,252  | 8,761  |
| 1931 | +320,839                                                            | October   | 120,410                              | 463,931 | 120,646 | 71,459  | 8,993  | 10,624 |
| 1932 | -384,840                                                            | November  | 122,536                              | 435,621 | 72,080  | 70,859  | 9,077  | 10,051 |
| 1933 | -14,615                                                             | December  | 137,695                              | 458,534 | 73,694  | 59,079  | 9,017  | 8,801  |
| 1934 | -82,552                                                             |           |                                      |         |         |         |        |        |
| 1935 | -215                                                                |           |                                      |         |         |         |        |        |

<sup>1</sup> Gold bullion (bars) and United States gold coin.

<sup>2</sup> Increase is the equivalent of net export and decrease the equivalent of net import. The reverse is true of changes in gold earmarked abroad for account of Federal Reserve banks, which were as follows: In 1921, a decrease of \$3,300,000, equivalent to a net export; 1932, an increase of \$72,638,000, equivalent to a net import; and in 1933, a decrease of \$72,638,000.

<sup>3</sup> Net release of gold from earmark during January at rate of \$20.67 a fine ounce, \$12,206,000; net release during remaining 11 months at rate of \$35 a fine ounce, \$70,347,000.

Sources: Board of Governors of the Federal Reserve System.

No. 496.—UNITED STATES BALANCE OF INTERNATIONAL PAYMENTS,  
1934 AND 1935

[In millions of dollars]

| Items                                                      | 1934 (revised)                                   |                                               |                               | 1935                                             |                                               |                               |
|------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------|-------------------------------|--------------------------------------------------|-----------------------------------------------|-------------------------------|
|                                                            | Receipts from foreigners for "exports" (credits) | Payments to foreigners for "imports" (debits) | Net credits (+) or debits (—) | Receipts from foreigners for "exports" (credits) | Payments to foreigners for "imports" (debits) | Net credits (+) or debits (—) |
| Trade and service items:                                   |                                                  |                                               |                               |                                                  |                                               |                               |
| Merchandise.....                                           | 2,133                                            | 1,655                                         | +478                          | 2,283                                            | 2,047                                         | +236                          |
| Merchandise adjustments <sup>1</sup> .....                 | 88                                               | 85                                            | +3                            | 105                                              | 80                                            | +19                           |
| Freight and shipping.....                                  | 61                                               | 96                                            | -35                           | 63                                               | 99                                            | -36                           |
| Tourist expenditures.....                                  | 86                                               | 331                                           | -245                          | 117                                              | 409                                           | -292                          |
| Immigrant remittances.....                                 | 5                                                | 105                                           | -100                          | 5                                                | 92                                            | -87                           |
| Charitable, educational, and other contributions.....      |                                                  | 31                                            | -31                           |                                                  | 28                                            | -28                           |
| Interest and dividends.....                                | 493                                              | 126                                           | +367                          | 521                                              | 148                                           | +375                          |
| War-debt receipts.....                                     | 1                                                |                                               | +1                            | (?)                                              |                                               |                               |
| Government transactions (excluding war-debt receipts)..... | 31                                               | 68                                            | -37                           | 28                                               | 88                                            | -55                           |
| Miscellaneous services.....                                | 103                                              | 43                                            | +60                           | 116                                              | 40                                            | +76                           |
| Total trade and service items.....                         | 3,001                                            | 2,540                                         | +461                          | 3,238                                            | 3,080                                         | +208                          |
| Gold, silver, and currency:                                |                                                  |                                               |                               |                                                  |                                               |                               |
| Gold exports and imports.....                              | 53                                               | 1,187                                         | -1,134                        | 2                                                | 1,741                                         | -1,739                        |
| Gold earmarking operations (net).....                      |                                                  |                                               | -83                           |                                                  |                                               | (3)                           |
| Gold movements (net).....                                  |                                                  |                                               | -1,217                        |                                                  |                                               | -1,739                        |
| Silver exports and imports.....                            | 17                                               | 103                                           | -86                           | 19                                               | 355                                           | -336                          |
| Paper currency movements (net).....                        | 30                                               | 56                                            | -26                           | 30                                               | 31                                            | -1                            |
| Capital items: <sup>4</sup>                                |                                                  |                                               |                               |                                                  |                                               |                               |
| Reported movement of short-term banking funds (net).....   |                                                  |                                               | +192                          |                                                  |                                               | +670                          |
| Reported long-term capital movements <sup>5</sup> .....    | 1,160                                            | 958                                           | +202                          | 2,009                                            | 1,547                                         | +462                          |
| Miscellaneous capital items (net).....                     |                                                  |                                               | -8                            |                                                  |                                               | +105                          |
| Residual item (net).....                                   |                                                  |                                               | +482                          |                                                  |                                               | +331                          |

<sup>1</sup> This item consists roughly of three parts: (1) exports and imports of goods for which data are available but not recorded in the official trade figures (e. g., ships, bunker fuel sold in the United States, silver, etc.); (2) goods whose export or import is wholly or partly omitted from official trade data (e. g., unrecorded parcel-post shipments, goods smuggled into the country, etc.); (3) corrections of certain recorded trade figures to allow for possible overvaluation (in case of goods sent on consignment) or undervaluation (in case of imports subject to ad valorem duties), uncollectible accounts, etc.

<sup>2</sup> Less than \$500,000.

<sup>3</sup> Negligible.

<sup>4</sup> Capital items are viewed as "exports" and "imports" of evidences of indebtedness.

<sup>5</sup> This item takes account of all reported security movements between the United States and foreign countries and includes international sales and purchases of long-term issues, new underwriting, sales and purchases of properties not represented by security issues, and security transfers resulting from redemption and sinking-fund operations.

## No. 497.—EXPORTS AND IMPORTS OF GOLD: BY MONTHS

[All figures in thousands of dollars]

| Month          | 1930     |          | 1931     |          | 1932     |          | 1933     |          | 1934     |          | 1935     |          |
|----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports |
| January.....   | 8,948    | 12,908   | 54       | 34,426   | 107,863  | 34,913   | 14       | 128,479  | 4,715    | 1,947    | 363      | 149,765  |
| February.....  | 207      | 60,198   | 14       | 16,156   | 128,211  | 37,644   | 21,521   | 30,397   | 51       | 452,622  | 46       | 122,817  |
| March.....     | 280      | 55,768   | 26       | 25,671   | 43,909   | 19,238   | 28,123   | 14,948   | 44       | 237,380  | 540      | 13,543   |
| April.....     | 110      | 65,835   | 27       | 49,543   | 49,509   | 19,271   | 16,741   | 6,760    | 37       | 54,785   | 62       | 143,670  |
| May.....       | 82       | 23,552   | 628      | 50,258   | 212,229  | 16,715   | 22,925   | 1,785    | 1,780    | 35,362   | 49       | 140,065  |
| June.....      | 26       | 13,838   | 40       | 63,887   | 226,117  | 20,070   | 4,380    | 1,138    | 6,586    | 70,291   | 166      | 220,538  |
| July.....      | 41,529   | 21,889   | 1,009    | 20,512   | 23,474   | 20,087   | 85,375   | 1,497    | 114      | 52,460   | 59       | 16,287   |
| August.....    | 39,332   | 19,714   | 39       | 57,539   | 18,067   | 24,170   | 81,473   | 1,085    | 14,556   | 51,781   | 102      | 46,086   |
| September..... | 11,133   | 13,680   | 28,708   | 49,269   | 60       | 27,957   | 58,281   | 1,545    | 22,255   | 3,585    | 86       | 156,805  |
| October.....   | 9,266    | 35,635   | 398,604  | 60,919   | 61       | 20,674   | 34,048   | 1,698    | 2,173    | 13,010   | 79       | 315,424  |
| November.....  | 5,008    | 40,159   | 4,994    | 94,430   | 16       | 21,756   | 2,957    | 2,174    | 310      | 121,199  | 242      | 210,810  |
| December.....  | 36       | 32,778   | 32,651   | 89,809   | 13       | 100,872  | 10,815   | 1,687    | 140      | 92,249   | 170      | 190,180  |

## No. 498.—EXPORTS AND IMPORTS OF SILVER: BY MONTHS

[All figures in thousands of dollars]

| Month          | 1930     |          | 1931     |          | 1932     |          | 1933     |          | 1934     |          | 1935     |          |
|----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports |
| January.....   | 5,892    | 4,756    | 3,571    | 2,896    | 1,611    | 2,097    | 1,551    | 1,783    | 850      | 3,593    | 1,248    | 19,085   |
| February.....  | 5,331    | 3,923    | 1,838    | 1,877    | 942      | 2,009    | 209      | 855      | 734      | 2,128    | 1,061    | 16,351   |
| March.....     | 5,818    | 4,831    | 2,323    | 1,821    | 967      | 1,809    | 269      | 1,693    | 665      | 1,823    | 3,128    | 20,842   |
| April.....     | 4,046    | 3,570    | 2,249    | 2,439    | 1,617    | 1,890    | 193      | 1,520    | 1,425    | 1,955    | 1,593    | 11,002   |
| May.....       | 4,978    | 3,486    | 2,099    | 2,636    | 1,865    | 1,547    | 235      | 5,275    | 1,638    | 4,435    | 2,885    | 13,601   |
| June.....      | 3,336    | 2,707    | 1,895    | 2,364    | 1,268    | 1,401    | 343      | 15,472   | 2,404    | 5,431    | 1,717    | 10,444   |
| July.....      | 3,709    | 3,953    | 2,305    | 1,693    | 1,828    | 1,288    | 2,572    | 5,386    | 1,789    | 2,458    | 1,547    | 30,230   |
| August.....    | 4,544    | 3,492    | 2,024    | 2,685    | 433      | 1,554    | 7,015    | 11,602   | 1,741    | 21,926   | 2,009    | 30,820   |
| September..... | 3,903    | 3,461    | 2,183    | 2,355    | 868      | 2,052    | 3,321    | 3,494    | 1,424    | 20,831   | 1,472    | 46,689   |
| October.....   | 4,424    | 3,270    | 2,168    | 2,573    | 1,316    | 1,805    | 2,281    | 4,106    | 1,162    | 14,425   | 260      | 45,898   |
| November.....  | 4,103    | 2,652    | 872      | 2,138    | 875      | 1,494    | 464      | 4,083    | 1,698    | 15,011   | 512      | 60,085   |
| December.....  | 3,472    | 2,660    | 2,168    | 3,215    | 1,260    | 1,203    | 500      | 4,977    | 1,014    | 8,711    | 769      | 47,603   |

## No. 499.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE: BY MONTHS

[All figures in millions and tenths of millions of dollars. For monthly data for 1902 to 1918 see the 1932 Statistical Abstract, table 474]

| Month          | 1919     |          | 1920     |          | 1921     |          | 1922     |          | 1923     |          | 1924     |          |
|----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports |
| January.....   | 622.0    | 213.0    | 722.1    | 473.8    | 654.3    | 208.8    | 278.8    | 217.2    | 335.4    | 329.3    | 395.2    | 295.5    |
| February.....  | 585.1    | 235.1    | 645.1    | 467.4    | 486.5    | 214.5    | 250.6    | 215.7    | 307.0    | 308.4    | 365.8    | 332.3    |
| March.....     | 603.1    | 267.6    | 819.6    | 593.9    | 386.7    | 252.0    | 330.0    | 256.2    | 341.4    | 398.0    | 339.8    | 320.5    |
| April.....     | 714.8    | 273.0    | 684.3    | 495.7    | 340.5    | 254.6    | 318.5    | 217.0    | 325.5    | 364.3    | 344.9    | 324.3    |
| May.....       | 604.0    | 328.9    | 745.5    | 481.0    | 329.7    | 204.0    | 307.6    | 252.8    | 316.4    | 372.5    | 335.1    | 303.0    |
| June.....      | 928.4    | 292.9    | 620.4    | 552.6    | 336.9    | 185.7    | 335.1    | 260.5    | 320.0    | 320.2    | 307.0    | 274.0    |
| July.....      | 568.7    | 343.7    | 651.1    | 537.1    | 325.2    | 178.2    | 301.2    | 251.8    | 302.2    | 287.4    | 276.6    | 278.6    |
| August.....    | 646.1    | 307.3    | 578.2    | 513.1    | 366.9    | 104.8    | 301.8    | 281.4    | 311.0    | 275.4    | 330.7    | 254.5    |
| September..... | 595.2    | 435.4    | 604.7    | 363.3    | 324.9    | 179.3    | 313.2    | 298.5    | 381.4    | 253.6    | 427.5    | 287.1    |
| October.....   | 681.6    | 401.8    | 751.2    | 333.2    | 343.3    | 188.0    | 370.7    | 276.1    | 399.2    | 308.3    | 527.2    | 310.8    |
| November.....  | 740.0    | 424.8    | 676.5    | 321.2    | 294.1    | 210.9    | 380.0    | 291.8    | 401.5    | 291.3    | 493.6    | 296.1    |
| December.....  | 681.4    | 380.7    | 720.3    | 266.1    | 296.2    | 237.5    | 344.3    | 293.8    | 426.7    | 288.3    | 445.7    | 333.2    |
| Month          | 1925     |          | 1926     |          | 1927     |          | 1928     |          | 1929     |          | 1930     |          |
|                | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports |
| January.....   | 446.4    | 346.2    | 396.8    | 416.8    | 419.4    | 356.8    | 410.8    | 337.9    | 458.0    | 368.9    | 410.8    | 311.0    |
| February.....  | 370.7    | 333.4    | 352.9    | 387.3    | 372.4    | 310.9    | 371.4    | 351.0    | 441.8    | 369.4    | 348.9    | 281.7    |
| March.....     | 453.7    | 385.4    | 374.4    | 442.9    | 409.0    | 378.3    | 420.6    | 380.4    | 489.9    | 385.8    | 369.5    | 300.5    |
| April.....     | 398.3    | 346.1    | 388.0    | 397.9    | 415.4    | 375.7    | 363.9    | 345.3    | 426.3    | 410.7    | 331.7    | 307.8    |
| May.....       | 370.9    | 327.5    | 356.7    | 320.9    | 393.1    | 346.5    | 422.6    | 354.0    | 385.0    | 400.1    | 320.0    | 284.7    |
| June.....      | 323.3    | 325.2    | 338.0    | 336.3    | 357.0    | 354.9    | 388.7    | 317.2    | 393.2    | 353.4    | 294.7    | 253.3    |
| July.....      | 339.7    | 325.6    | 368.3    | 339.0    | 341.8    | 319.3    | 379.0    | 317.8    | 402.9    | 353.0    | 256.8    | 220.6    |
| August.....    | 379.8    | 340.1    | 384.4    | 336.5    | 374.8    | 368.9    | 379.0    | 346.7    | 380.6    | 369.4    | 297.8    | 218.4    |
| September..... | 420.4    | 360.0    | 448.1    | 343.2    | 425.3    | 342.2    | 421.6    | 319.6    | 437.2    | 381.3    | 312.2    | 226.4    |
| October.....   | 490.6    | 374.1    | 455.3    | 376.9    | 488.7    | 355.7    | 550.0    | 365.4    | 528.5    | 391.1    | 326.9    | 247.4    |
| November.....  | 447.8    | 376.4    | 480.3    | 373.9    | 480.9    | 344.3    | 544.9    | 326.6    | 442.3    | 338.5    | 289.0    | 203.6    |
| December.....  | 468.3    | 396.6    | 465.4    | 359.5    | 407.6    | 331.2    | 475.8    | 339.4    | 426.6    | 309.8    | 274.9    | 208.0    |
| Month          | 1931     |          | 1932     |          | 1933     |          | 1934     |          | 1935     |          | 1936     |          |
|                | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports |
| January.....   | 249.6    | 183.1    | 150.0    | 135.5    | 120.6    | 96.0     | 172.2    | 135.7    | 176.2    | 166.8    | 198.6    | 187.6    |
| February.....  | 224.3    | 174.9    | 154.0    | 131.0    | 101.5    | 83.7     | 162.8    | 132.8    | 163.0    | 152.5    | 182.0    | 192.8    |
| March.....     | 235.9    | 210.2    | 154.9    | 131.2    | 108.0    | 94.9     | 160.9    | 158.1    | 185.0    | 177.4    | 195.1    | 198.5    |
| April.....     | 215.1    | 185.7    | 135.1    | 126.5    | 105.2    | 88.4     | 179.4    | 146.5    | 164.2    | 170.5    | 192.8    | 202.8    |
| May.....       | 204.0    | 179.7    | 131.9    | 112.3    | 114.2    | 106.9    | 160.2    | 154.6    | 165.5    | 170.5    | 208.4    | 191.2    |
| June.....      | 187.1    | 173.5    | 114.1    | 110.3    | 119.8    | 122.2    | 170.5    | 136.1    | 170.2    | 156.8    | 184.8    | 190.4    |
| July.....      | 180.8    | 174.6    | 106.8    | 79.4     | 144.1    | 143.0    | 161.7    | 127.2    | 173.2    | 176.6    | -----    | -----    |
| August.....    | 164.8    | 166.7    | 108.6    | 91.1     | 131.5    | 154.9    | 172.0    | 119.5    | 172.1    | 169.0    | -----    | -----    |
| September..... | 180.2    | 170.4    | 132.0    | 98.4     | 160.1    | 146.6    | 191.3    | 131.7    | 198.8    | 161.6    | -----    | -----    |
| October.....   | 204.9    | 168.7    | 153.1    | 105.5    | 193.1    | 150.9    | 206.4    | 129.6    | 221.3    | 189.4    | -----    | -----    |
| November.....  | 193.5    | 149.6    | 138.8    | 104.5    | 184.3    | 128.5    | 194.7    | 150.9    | 269.8    | 168.4    | -----    | -----    |
| December.....  | 184.1    | 153.8    | 131.6    | 97.1     | 192.6    | 133.5    | 170.7    | 132.3    | 223.6    | 187.0    | -----    | -----    |

## No. 500.—EXPORTS AND IMPORTS OF MERCHANDISE

NOTE.—All figures in thousands of dollars. For basis of dollar values, see general note, p. 427. Figures are for fiscal years ended Sept. 30, 1791 to 1842, and June 30, 1843 to 1915; calendar years thereafter. For calendar years 1900-1915 and fiscal years 1921-1936, see table 502. For total exports and imports by years prior to 1891 see table 503. Figures include gold and silver prior to 1821.

| Yearly average or year | Exports   |                   |           | General imports | Total exports and imports | Excess of exports (+) or imports (-) |
|------------------------|-----------|-------------------|-----------|-----------------|---------------------------|--------------------------------------|
|                        | Total     | U. S. merchandise | Reexports |                 |                           |                                      |
| 1791-1800              | 46,774    | 27,740            | 19,034    | 59,185          | 105,959                   | -12,411                              |
| 1801-1810              | 74,532    | 38,178            | 80,354    | 92,766          | 167,298                   | -18,234                              |
| 1811-1820              | 58,989    | 46,270            | 12,719    | 80,812          | 139,801                   | -21,823                              |
| 1821-1830              | 69,421    | 58,221            | 16,200    | 72,949          | 142,370                   | -3,628                               |
| 1831-1840              | 103,550   | 88,168            | 15,382    | 119,520         | 223,070                   | -16,970                              |
| 1841-1850 <sup>1</sup> | 122,620   | 114,894           | 7,727     | 121,123         | 243,743                   | +1,498                               |
| 1851-1860              | 243,887   | 232,283           | 16,604    | 284,475         | 533,362                   | -36,588                              |
| 1861-1865              | 187,811   | 170,108           | 17,613    | 255,439         | 443,260                   | -87,628                              |
| 1866-1870              | 320,842   | 307,696           | 13,146    | 408,295         | 729,137                   | -37,453                              |
| 1871-1875              | 501,841   | 486,128           | 15,713    | 577,873         | 1,079,714                 | -70,932                              |
| 1876-1880              | 676,761   | 663,650           | 13,111    | 492,570         | 1,159,331                 | +184,191                             |
| 1881-1885              | 791,892   | 774,607           | 17,285    | 667,142         | 1,460,034                 | +124,760                             |
| 1886-1890              | 738,379   | 725,685           | 12,694    | 717,231         | 1,455,610                 | +21,148                              |
| 1891-1895              | 892,421   | 876,326           | 16,095    | 785,137         | 1,677,568                 | +107,284                             |
| 1896-1900              | 1,157,318 | 1,136,039         | 21,279    | 741,619         | 1,898,837                 | +415,709                             |
| 1901-1905              | 1,453,803 | 1,427,020         | 26,783    | 972,162         | 2,425,965                 | +481,941                             |
| 1906-1910              | 1,778,097 | 1,750,980         | 27,117    | 1,344,838       | 3,123,635                 | +433,850                             |
| 1911-1915              | 2,370,539 | 2,331,648         | 38,891    | 1,712,319       | 4,082,858                 | +658,220                             |
| 1916-1920 <sup>2</sup> | 6,521,190 | 6,416,513         | 104,677   | 3,358,354       | 9,870,545                 | +3,102,836                           |
| 1921-1925              | 4,397,026 | 4,310,221         | 86,805    | 3,450,103       | 7,847,129                 | +546,924                             |
| 1926-1930              | 4,777,313 | 4,687,788         | 89,526    | 4,033,469       | 8,810,782                 | +743,845                             |
| 1931-1935              | 2,025,195 | 1,988,914         | 36,281    | 1,713,102       | 3,738,296                 | +312,093                             |
| 1891                   | 884,481   | 872,270           | 12,211    | 844,016         | 1,729,397                 | +39,565                              |
| 1892                   | 1,030,278 | 1,015,732         | 14,546    | 827,402         | 1,867,080                 | +202,876                             |
| 1893                   | 847,005   | 831,031           | 16,974    | 806,401         | 1,714,060                 | -18,736                              |
| 1894                   | 892,141   | 868,205           | 23,936    | 694,905         | 1,547,136                 | +237,146                             |
| 1895                   | 807,538   | 799,393           | 14,145    | 731,970         | 1,539,508                 | +75,568                              |
| 1896                   | 892,607   | 863,201           | 19,406    | 779,725         | 1,662,332                 | +102,882                             |
| 1897                   | 1,050,994 | 1,032,008         | 18,986    | 764,730         | 1,815,724                 | +286,264                             |
| 1898                   | 1,231,482 | 1,210,292         | 21,190    | 816,050         | 1,847,582                 | +415,432                             |
| 1899                   | 1,227,023 | 1,203,631         | 23,392    | 697,148         | 1,924,171                 | +529,875                             |
| 1900                   | 1,394,483 | 1,370,764         | 23,719    | 849,941         | 2,244,424                 | +644,642                             |
| 1901                   | 1,487,765 | 1,460,463         | 27,302    | 823,172         | 2,310,937                 | +664,592                             |
| 1902                   | 1,381,719 | 1,355,482         | 26,237    | 903,321         | 2,285,040                 | +478,398                             |
| 1903                   | 1,420,142 | 1,392,232         | 27,910    | 1,026,719       | 2,445,861                 | +394,423                             |
| 1904                   | 1,460,827 | 1,435,179         | 25,648    | 991,087         | 2,461,914                 | +489,740                             |
| 1905                   | 1,518,582 | 1,491,745         | 26,817    | 1,117,513       | 2,636,076                 | +401,049                             |
| 1906                   | 1,743,865 | 1,717,954         | 25,911    | 1,228,562       | 2,970,427                 | +517,303                             |
| 1907                   | 1,890,851 | 1,859,718         | 27,133    | 1,434,421       | 3,315,272                 | +440,430                             |
| 1908                   | 1,860,773 | 1,834,786         | 25,987    | 1,104,342       | 3,055,115                 | +606,421                             |
| 1909                   | 1,668,011 | 1,638,356         | 24,655    | 1,311,920       | 2,974,931                 | +351,091                             |
| 1910                   | 1,744,985 | 1,710,084         | 34,901    | 1,556,947       | 3,301,932                 | +188,938                             |
| 1911                   | 2,049,320 | 2,013,549         | 35,771    | 1,527,226       | 3,576,546                 | +522,094                             |
| 1912                   | 2,204,322 | 2,170,320         | 34,002    | 1,653,205       | 3,857,587                 | +551,057                             |
| 1913                   | 2,465,884 | 2,428,506         | 37,378    | 1,813,008       | 4,278,892                 | +662,876                             |
| 1914                   | 2,364,679 | 2,329,684         | 34,995    | 1,893,926       | 4,258,505                 | +470,653                             |
| 1915                   | 2,768,589 | 2,716,178         | 52,411    | 1,674,170       | 4,442,759                 | +1,094,419                           |
| 1915 (6 months)        | 1,852,803 | 1,820,393         | 32,470    | 912,787         | 2,765,650                 | +940,076                             |
| 1916                   | 5,482,641 | 5,422,642         | 59,999    | 2,391,635       | 7,874,276                 | +3,091,006                           |
| 1917                   | 6,238,513 | 6,169,617         | 68,896    | 2,952,468       | 9,185,981                 | +3,281,045                           |
| 1918                   | 6,149,088 | 6,047,875         | 101,213   | 3,031,213       | 9,180,301                 | +3,117,875                           |
| 1919                   | 7,820,426 | 7,749,818         | 170,610   | 3,904,365       | 11,824,791                | +4,016,081                           |
| 1920                   | 8,228,016 | 8,080,481         | 147,535   | 5,278,481       | 13,506,497                | +2,949,535                           |
| 1921                   | 4,485,031 | 4,378,928         | 106,103   | 2,509,148       | 6,904,179                 | +1,975,883                           |
| 1922                   | 3,831,777 | 3,765,091         | 66,686    | 3,112,747       | 6,944,524                 | +710,030                             |
| 1923                   | 4,167,493 | 4,090,715         | 76,778    | 3,792,066       | 7,959,550                 | +375,427                             |
| 1924                   | 4,590,984 | 4,497,649         | 93,335    | 3,609,993       | 8,200,947                 | +981,021                             |
| 1925                   | 4,909,848 | 4,818,722         | 91,125    | 4,220,589       | 9,136,437                 | +683,268                             |
| 1926                   | 4,806,660 | 4,711,721         | 94,939    | 4,430,888       | 9,239,548                 | +377,772                             |
| 1927                   | 4,865,375 | 4,758,864         | 106,512   | 4,184,742       | 9,050,117                 | +680,633                             |
| 1928                   | 5,128,356 | 5,030,099         | 98,258    | 4,091,444       | 9,219,800                 | +1,038,012                           |
| 1929                   | 5,240,995 | 5,157,083         | 83,912    | 4,399,361       | 9,640,366                 | +841,634                             |
| 1930                   | 3,843,181 | 3,781,172         | 62,009    | 3,060,908       | 6,904,080                 | +782,273                             |
| 1931                   | 2,424,289 | 2,377,982         | 46,307    | 2,090,635       | 4,514,924                 | +333,654                             |
| 1932                   | 1,611,016 | 1,676,151         | 34,865    | 1,322,774       | 2,938,790                 | +288,242                             |
| 1933                   | 1,674,904 | 1,647,220         | 27,674    | 1,440,559       | 3,124,553                 | +225,435                             |
| 1934                   | 2,132,800 | 2,100,135         | 32,665    | 1,665,055       | 3,787,855                 | +477,745                             |
| 1935                   | 2,232,874 | 2,243,041         | 39,793    | 2,047,485       | 4,330,359                 | +236,389                             |

<sup>1</sup> Period beginning Oct. 1, 1841, and ending June 30, 1860.<sup>2</sup> Period July 1, 1915, to Dec. 31, 1920.

## No. 501.—EXPORTS AND IMPORTS OF GOLD, SILVER, AND OF MERCHANDISE, GOLD, AND SILVER COMBINED

NOTE.—All figures in thousands of dollars (for basis of dollar values, see general note, p. 427). As to periods covered see headnote, table 500. Figures for gold and silver relate to coin and bullion only prior to 1895; subsequently they include ore also.

| Yearly average or year | Gold             |                  |                                        | Silver   |          |                                        | Total merchandise, gold, and silver |           |                                        |
|------------------------|------------------|------------------|----------------------------------------|----------|----------|----------------------------------------|-------------------------------------|-----------|----------------------------------------|
|                        | Exports          | Imports          | Excess of ex-ports (+) or im-ports (-) | Ex-ports | Im-ports | Excess of ex-ports (+) or im-ports (-) | Exports                             | Imports   | Excess of ex-ports (+) or im-ports (-) |
| 1821-1830.....         | ( <sup>1</sup> ) | ( <sup>1</sup> ) | ( <sup>1</sup> )                       | 17,154   | 16,914   | +239                                   | 76,575                              | 70,863    | -5,712                                 |
| 1831-1840.....         | 2,164            | 3,394            | -1,230                                 | 3,530    | 7,353    | -3,823                                 | 108,234                             | 130,268   | -22,034                                |
| 1841-1850.....         | 3,222            | 5,463            | -2,241                                 | 3,445    | 3,443    | +2                                     | 126,283                             | 130,020   | -3,737                                 |
| 1851-1860.....         | 46,372           | 3,762            | +42,610                                | 3,180    | 3,988    | -808                                   | 298,399                             | 292,228   | +6,171                                 |
| 1861-1870.....         | 50,814           | 15,881           | +34,933                                | 3,961    | 3,172    | +789                                   | 248,598                             | 274,492   | -25,894                                |
| 1871-1880.....         | 50,462           | 12,030           | +38,432                                | 20,746   | 6,608    | +14,138                                | 392,040                             | 426,682   | -34,642                                |
| 1881-1890.....         | 52,423           | 11,497           | +40,926                                | 31,915   | 9,673    | +22,242                                | 586,179                             | 599,043   | -12,864                                |
| 1891-1895.....         | 15,040           | 20,790           | -11,750                                | 22,670   | 13,182   | +9,488                                 | 714,470                             | 532,542   | +181,928                               |
| 1896-1899.....         | 10,263           | 40,338           | -21,075                                | 22,739   | 12,108   | +10,631                                | 833,894                             | 719,583   | +114,311                               |
| 1899-1900.....         | 20,651           | 20,163           | +488                                   | 31,082   | 18,045   | +13,037                                | 799,112                             | 761,439   | +37,673                                |
| 1901-1905.....         | 77,737           | 39,638           | +38,149                                | 38,777   | 18,935   | +19,842                                | 1,008,985                           | 843,650   | +165,276                               |
| 1906-1910.....         | 60,793           | 74,492           | -23,699                                | 58,126   | 81,234   | -23,108                                | 1,266,236                           | 847,245   | +418,991                               |
| 1911-1915.....         | 64,580           | 63,152           | +1,428                                 | 51,318   | 28,807   | +22,511                                | 1,569,701                           | 1,064,122 | +505,579                               |
| 1916-1920.....         | 74,500           | 89,283           | -14,783                                | 58,800   | 44,244   | +14,556                                | 1,911,497                           | 1,478,365 | +433,132                               |
| 1921-1925.....         | 83,173           | 85,009           | -2,796                                 | 61,432   | 38,730   | +22,693                                | 2,515,144                           | 1,837,027 | +678,117                               |
| 1926-1930.....         | 233,248          | 382,022          | -148,773                               | 143,447  | 64,217   | +79,231                                | 6,897,888                           | 3,804,593 | +3,093,295                             |
| 1931-1935.....         | 82,739           | 347,426          | -264,686                               | 79,174   | 69,409   | +9,765                                 | 4,553,940                           | 3,868,937 | +685,003                               |
| 1936-1940.....         | 222,094          | 265,528          | -43,433                                | 78,666   | 59,598   | +19,068                                | 6,077,974                           | 4,348,894 | +1,729,079                             |
| 1941-1945.....         | 330,530          | 819,256          | -478,717                               | 18,940   | 113,159  | -94,219                                | 2,383,679                           | 2,645,517 | -261,838                               |
| 1946.....              | 80,363           | 18,233           | +68,130                                | 22,591   | 18,027   | +4,564                                 | 993,434                             | 881,176   | +112,258                               |
| 1947.....              | 50,195           | 49,090           | +1,105                                 | 32,811   | 19,955   | +12,856                                | 1,113,234                           | 897,057   | +216,177                               |
| 1948.....              | 108,081          | 21,174           | +86,907                                | 40,737   | 28,193   | +12,544                                | 997,083                             | 910,769   | +86,314                                |
| 1949.....              | 76,978           | 72,449           | +4,529                                 | 50,451   | 13,287   | +37,164                                | 1,019,570                           | 740,730   | +278,840                               |
| 1950.....              | 66,468           | 36,385           | +30,083                                | 47,295   | 20,211   | +27,084                                | 921,302                             | 788,566   | +132,736                               |
| 1951.....              | 112,410          | 33,625           | +78,785                                | 60,642   | 28,777   | +31,865                                | 1,055,559                           | 842,027   | +213,532                               |
| 1952.....              | 40,302           | 85,015           | -44,713                                | 61,947   | 30,533   | +31,414                                | 1,163,302                           | 890,278   | +273,024                               |
| 1953.....              | 15,406           | 120,392          | -104,986                               | 55,105   | 30,828   | +24,277                                | 1,301,994                           | 767,369   | +534,625                               |
| 1954.....              | 37,522           | 88,955           | -51,433                                | 59,819   | 60,675   | -856                                   | 1,320,894                           | 816,778   | +504,116                               |
| 1955.....              | 48,267           | 44,373           | +3,894                                 | 56,712   | 35,256   | +21,456                                | 1,499,462                           | 929,771   | +569,691                               |
| 1956.....              | 53,185           | 60,051           | -12,866                                | 64,285   | 38,387   | +25,898                                | 1,605,235                           | 925,610   | +679,625                               |
| 1957.....              | 48,669           | 62,021           | -13,352                                | 49,732   | 28,232   | +21,500                                | 1,480,021                           | 983,574   | +496,447                               |
| 1958.....              | 47,091           | 44,932           | +2,159                                 | 44,250   | 24,168   | +20,082                                | 1,511,483                           | 1,094,865 | +416,618                               |
| 1959.....              | 81,490           | 99,055           | -17,565                                | 49,473   | 27,769   | +21,704                                | 1,591,760                           | 1,117,912 | +473,848                               |
| 1960.....              | 92,694           | 53,649           | +39,045                                | 48,849   | 27,485   | +21,364                                | 1,600,005                           | 1,198,467 | +401,538                               |
| 1961.....              | 38,674           | 96,222           | -57,548                                | 65,869   | 44,443   | +21,426                                | 1,848,307                           | 1,387,227 | +461,080                               |
| 1962.....              | 51,399           | 114,810          | -63,411                                | 56,739   | 42,947   | +13,792                                | 1,988,989                           | 1,591,875 | +397,114                               |
| 1963.....              | 73,433           | 148,387          | -74,954                                | 57,921   | 44,858   | +13,063                                | 1,991,127                           | 1,387,237 | +603,890                               |
| 1964.....              | 91,032           | 44,004           | +47,028                                | 55,883   | 43,955   | +11,928                                | 1,810,226                           | 1,399,879 | +410,347                               |
| 1965.....              | 118,563          | 43,340           | +75,223                                | 65,287   | 45,217   | +20,070                                | 1,918,835                           | 1,645,605 | +273,230                               |
| 1966.....              | 22,610           | 73,807           | -51,197                                | 64,750   | 45,937   | +18,813                                | 2,136,580                           | 1,646,770 | +489,810                               |
| 1967.....              | 57,823           | 48,937           | +8,886                                 | 64,891   | 47,050   | +17,841                                | 2,326,541                           | 1,749,252 | +577,289                               |
| 1968.....              | 77,763           | 69,194           | +8,569                                 | 71,614   | 41,269   | +30,345                                | 2,615,261                           | 1,923,471 | +691,790                               |
| 1969.....              | 112,039          | 66,539           | +45,500                                | 54,965   | 30,327   | +24,638                                | 2,831,583                           | 1,990,791 | +840,792                               |
| 1970.....              | 146,224          | 171,569          | -25,345                                | 50,942   | 29,110   | +21,832                                | 2,965,756                           | 1,874,849 | +1,090,907                             |
| 1971 (6 mos.).....     | 23,843           | 307,030          | -283,187                               | 28,750   | 18,742   | +10,008                                | 1,905,466                           | 1,238,559 | +666,907                               |
| 1972.....              | 156,798          | 685,990          | -529,192                               | 70,695   | 32,263   | +38,432                                | 5,709,029                           | 3,109,889 | +2,599,140                             |
| 1973.....              | 371,884          | 562,454          | -190,570                               | 84,131   | 53,340   | +30,791                                | 6,689,537                           | 3,685,263 | +3,004,274                             |
| 1974.....              | 41,070           | 62,043           | -20,973                                | 252,846  | 71,878   | +181,470                               | 6,443,004                           | 3,164,631 | +3,278,373                             |
| 1975.....              | 368,185          | 76,534           | +291,651                               | 239,021  | 89,410   | +149,611                               | 8,527,632                           | 4,070,309 | +4,457,323                             |
| 1976.....              | 322,091          | 417,098          | -84,977                                | 113,616  | 88,060   | +25,556                                | 8,663,724                           | 5,783,610 | +2,880,114                             |
| 1977.....              | 23,991           | 691,248          | -667,257                               | 51,675   | 63,243   | -11,568                                | 4,560,497                           | 3,263,639 | +1,296,858                             |
| 1978.....              | 36,875           | 275,170          | -238,295                               | 62,807   | 70,807   | -7,999                                 | 3,931,459                           | 3,458,724 | +472,735                               |
| 1979.....              | 28,043           | 322,716          | -294,673                               | 72,469   | 74,454   | -1,985                                 | 4,285,605                           | 4,189,236 | +96,369                                |
| 1980.....              | 61,648           | 319,721          | -258,073                               | 109,801  | 73,945   | +35,856                                | 4,762,523                           | 4,003,628 | +758,895                               |
| 1981.....              | 262,640          | 128,272          | +134,367                               | 99,128   | 64,596   | +34,532                                | 5,271,615                           | 4,419,458 | +852,157                               |
| 1982.....              | 118,708          | 213,504          | -94,796                                | 92,268   | 69,596   | +22,672                                | 5,016,626                           | 4,713,988 | +302,638                               |
| 1983.....              | 201,455          | 207,535          | -6,080                                 | 75,625   | 55,074   | +20,551                                | 5,142,455                           | 4,447,351 | +695,104                               |
| 1984.....              | 560,759          | 168,897          | +391,862                               | 87,282   | 68,117   | +19,165                                | 7,776,497                           | 4,328,458 | +3,448,039                             |
| 1985.....              | 116,683          | 201,649          | -84,966                                | 83,407   | 63,940   | +19,467                                | 5,440,985                           | 4,754,969 | +686,016                               |
| 1986.....              | 116,987          | 396,054          | -279,067                               | 64,167   | 42,781   | +21,386                                | 4,013,305                           | 3,499,723 | +513,582                               |
| 1987.....              | 409,794          | 612,119          | -202,325                               | 26,455   | 28,664   | -2,209                                 | 2,917,568                           | 2,731,418 | +186,150                               |
| 1988.....              | 809,525          | 363,315          | +446,210                               | 13,850   | 19,650   | -5,800                                 | 4,434,394                           | 2,705,739 | +1,728,655                             |
| 1989.....              | 366,052          | 198,107          | +167,945                               | 19,041   | 60,225   | -41,184                                | 2,060,687                           | 1,702,491 | +358,196                               |
| 1990.....              | 52,759           | 1,186,671        | -1,133,912                             | 16,551   | 102,725  | -86,174                                | 2,202,110                           | 2,944,451 | -742,341                               |
| 1991.....              | 1,960            | 1,740,979        | -1,739,019                             | 18,801   | 354,531  | -335,730                               | 2,303,635                           | 4,142,995 | -1,839,360                             |

<sup>1</sup> Data shown under silver are for gold and silver. These were not shown separately prior to 1825.

<sup>2</sup> Period beginning Oct. 1, 1841, and ending June 30, 1850.

<sup>3</sup> Period July 1, 1915, to Dec. 31, 1920.



No. 502.—SUPPLEMENT TO TABLES 500 AND 501: CALENDAR YEARS 1900 TO 1915, AND FISCAL YEARS ENDED JUNE 30, 1921 TO 1936

[All figures in thousands of dollars]

| Year      | Merchandise |                   |           |                 |                           |                                      |
|-----------|-------------|-------------------|-----------|-----------------|---------------------------|--------------------------------------|
|           | Exports     |                   |           | General imports | Total exports and imports | Excess of exports (+) or imports (-) |
|           | Total       | U. S. merchandise | Reexports |                 |                           |                                      |
| 1900..... | 1,477,946   | 1,453,010         | 24,936    | 829,150         | 2,307,096                 | +648,706                             |
| 1901..... | 1,466,378   | 1,438,079         | 27,297    | 880,420         | 2,346,796                 | +584,956                             |
| 1902..... | 1,360,698   | 1,333,269         | 27,418    | 969,317         | 2,330,003                 | +391,369                             |
| 1903..... | 1,484,763   | 1,457,647         | 27,106    | 905,494         | 2,480,247                 | +439,259                             |
| 1904..... | 1,451,319   | 1,425,711         | 25,608    | 1,035,909       | 2,487,228                 | +415,410                             |
| 1905..... | 1,626,091   | 1,599,423         | 27,568    | 1,179,145       | 2,806,136                 | +447,846                             |
| 1906..... | 1,798,243   | 1,772,716         | 25,527    | 1,320,502       | 3,118,745                 | +477,742                             |
| 1907..... | 1,623,428   | 1,605,356         | 28,070    | 1,423,170       | 3,046,596                 | +500,250                             |
| 1908..... | 1,752,835   | 1,728,670         | 24,165    | 1,116,374       | 2,899,209                 | +636,401                             |
| 1909..... | 1,728,190   | 1,700,722         | 27,477    | 1,475,521       | 3,203,720                 | +252,678                             |
| 1910..... | 1,886,259   | 1,829,028         | 37,236    | 1,662,904       | 3,420,163                 | +303,355                             |
| 1911..... | 2,092,527   | 2,058,413         | 34,114    | 1,532,359       | 3,624,886                 | +580,168                             |
| 1912..... | 2,390,218   | 2,362,696         | 36,522    | 1,818,073       | 4,217,291                 | +581,145                             |
| 1913..... | 2,484,018   | 2,448,284         | 35,734    | 1,702,596       | 4,270,614                 | +691,422                             |
| 1914..... | 2,113,624   | 2,071,058         | 42,566    | 1,789,276       | 3,902,900                 | +324,848                             |
| 1915..... | 3,554,671   | 3,493,231         | 61,440    | 1,778,597       | 5,333,268                 | +1,776,074                           |
| 1921..... | 6,516,510   | 6,385,884         | 130,626   | 3,654,459       | 10,170,969                | +2,862,051                           |
| 1922..... | 3,771,156   | 3,699,909         | 71,247    | 2,608,079       | 6,379,235                 | +1,163,077                           |
| 1923..... | 3,956,733   | 3,886,682         | 70,051    | 3,780,959       | 7,737,602                 | +176,774                             |
| 1924..... | 4,311,656   | 4,223,973         | 87,683    | 3,554,037       | 7,868,093                 | +767,619                             |
| 1925..... | 4,864,580   | 4,778,154         | 86,426    | 3,824,128       | 8,688,708                 | +1,040,462                           |
| 1926..... | 4,753,382   | 4,658,148         | 100,234   | 4,464,872       | 9,218,254                 | +238,509                             |
| 1927..... | 4,968,100   | 4,867,346         | 100,753   | 4,352,024       | 9,220,124                 | +710,076                             |
| 1928..... | 4,877,071   | 4,773,332         | 103,738   | 4,147,499       | 9,024,570                 | +729,572                             |
| 1929..... | 5,373,407   | 5,283,938         | 89,469    | 4,291,888       | 9,665,296                 | +1,081,619                           |
| 1930..... | 4,693,626   | 4,617,730         | 75,895    | 3,848,971       | 8,542,597                 | +844,655                             |
| 1931..... | 3,083,429   | 3,031,557         | 51,873    | 2,432,074       | 5,515,508                 | +551,855                             |
| 1932..... | 1,948,335   | 1,908,087         | 40,248    | 1,730,270       | 3,678,605                 | +218,065                             |
| 1933..... | 1,440,333   | 1,413,397         | 26,936    | 1,167,878       | 2,608,209                 | +272,457                             |
| 1934..... | 2,041,719   | 2,006,483         | 33,236    | 1,721,310       | 3,768,029                 | +320,409                             |
| 1935..... | 2,120,857   | 2,085,992         | 35,765    | 1,785,679       | 3,906,536                 | +335,178                             |
| 1936..... | 2,412,908   | 2,374,597         | 38,306    | 2,216,170       | 4,629,073                 | +196,733                             |

| Year      | Gold      |           |                                      | Silver  |         |                                      | Total merchandise, gold and silver |           |                                      |
|-----------|-----------|-----------|--------------------------------------|---------|---------|--------------------------------------|------------------------------------|-----------|--------------------------------------|
|           | Exports   | Imports   | Excess of exports (+) or imports (-) | Exports | Imports | Excess of exports (+) or imports (-) | Exports                            | Imports   | Excess of exports (+) or imports (-) |
|           |           |           |                                      |         |         |                                      |                                    |           |                                      |
| 1900..... | 54,185    | 66,749    | -12,614                              | 66,222  | 40,100  | +26,122                              | 1,598,308                          | 935,999   | +662,304                             |
| 1901..... | 57,784    | 54,762    | +3,022                               | 55,638  | 31,147  | +24,491                              | 1,573,798                          | 906,329   | +667,469                             |
| 1902..... | 36,031    | 44,193    | -8,162                               | 49,273  | 26,403  | +22,870                              | 1,445,990                          | 1,039,913 | +406,077                             |
| 1903..... | 44,347    | 65,268    | -20,921                              | 40,610  | 23,975  | +16,635                              | 1,569,710                          | 1,084,737 | +484,973                             |
| 1904..... | 121,212   | 84,803    | +36,409                              | 50,135  | 26,087  | +24,048                              | 1,622,666                          | 1,146,799 | +475,867                             |
| 1905..... | 46,794    | 50,293    | -3,499                               | 57,513  | 35,939  | +21,574                              | 1,731,298                          | 1,205,377 | +525,921                             |
| 1906..... | 46,709    | 155,579   | -108,870                             | 60,957  | 44,228  | +16,729                              | 1,905,009                          | 1,620,309 | +284,700                             |
| 1907..... | 56,216    | 143,398   | -87,182                              | 61,626  | 45,912  | +15,714                              | 2,040,268                          | 1,612,480 | +427,788                             |
| 1908..... | 81,215    | 50,276    | +30,939                              | 51,838  | 42,224  | +9,614                               | 1,885,888                          | 1,208,874 | +677,014                             |
| 1909..... | 132,881   | 44,087    | +88,794                              | 57,692  | 40,188  | +17,504                              | 1,918,672                          | 1,555,796 | +362,876                             |
| 1910..... | 58,775    | 59,223    | -448                                 | 57,361  | 45,878  | +11,483                              | 1,082,395                          | 1,668,005 | -585,610                             |
| 1911..... | 37,183    | 57,445    | -20,262                              | 65,955  | 43,747  | +22,208                              | 2,195,375                          | 1,638,551 | +556,824                             |
| 1912..... | 47,425    | 60,549    | -13,124                              | 71,962  | 48,401  | +23,561                              | 2,518,605                          | 1,933,623 | +584,982                             |
| 1913..... | 91,799    | 63,705    | +28,094                              | 62,777  | 35,868  | +26,909                              | 2,638,594                          | 1,892,169 | +746,425                             |
| 1914..... | 222,616   | 37,388    | +185,228                             | 51,603  | 25,959  | +25,644                              | 2,387,843                          | 1,872,623 | +515,220                             |
| 1915..... | 31,426    | 451,955   | -420,529                             | 53,599  | 34,484  | +19,115                              | 3,639,096                          | 2,265,036 | +1,374,060                           |
| 1921..... | 133,588   | 638,560   | -505,022                             | 52,536  | 50,431  | +2,105                               | 6,702,584                          | 4,352,450 | +2,350,134                           |
| 1922..... | 27,345    | 468,318   | -440,973                             | 62,696  | 70,684  | -7,988                               | 3,861,196                          | 3,147,081 | +714,115                             |
| 1923..... | 49,022    | 284,090   | -235,068                             | 55,907  | 64,947  | -9,040                               | 4,061,682                          | 4,129,996 | -68,314                              |
| 1924..... | 10,207    | 417,026   | -406,819                             | 98,786  | 79,940  | +18,846                              | 4,420,640                          | 4,051,003 | +369,634                             |
| 1925..... | 248,730   | 134,145   | +114,585                             | 108,829 | 71,608  | +37,221                              | 5,222,139                          | 4,029,881 | +1,192,258                           |
| 1926..... | 113,438   | 210,726   | -97,288                              | 97,982  | 69,401  | +28,581                              | 4,984,802                          | 4,744,999 | +239,803                             |
| 1927..... | 103,844   | 251,756   | -147,912                             | 80,881  | 59,606  | +21,276                              | 5,152,825                          | 4,563,385 | +589,440                             |
| 1928..... | 627,102   | 129,140   | +497,962                             | 79,964  | 59,630  | +20,334                              | 5,584,137                          | 4,336,169 | +1,247,968                           |
| 1929..... | 112,291   | 267,428   | -155,137                             | 86,490  | 69,400  | +17,090                              | 5,572,104                          | 4,625,716 | +946,388                             |
| 1930..... | 119,195   | 342,340   | -223,145                             | 72,053  | 54,477  | +17,576                              | 4,884,575                          | 4,245,788 | +638,087                             |
| 1931..... | 107,094   | 403,735   | -296,701                             | 38,931  | 33,522  | +5,409                               | 3,229,454                          | 2,889,391 | +340,063                             |
| 1932..... | 1,233,844 | 520,028   | +713,816                             | 19,979  | 25,384  | -5,405                               | 3,202,158                          | 2,275,882 | +926,276                             |
| 1933..... | 135,368   | 598,979   | -463,611                             | 8,380   | 35,474  | -27,094                              | 1,584,106                          | 1,602,329 | -18,223                              |
| 1934..... | 286,160   | 826,070   | -539,910                             | 23,966  | 53,012  | -29,046                              | 2,351,845                          | 2,636,392 | -284,547                             |
| 1935..... | 40,773    | 1,139,672 | -1,098,899                           | 21,059  | 174,537 | -153,528                             | 2,182,689                          | 3,099,938 | -917,249                             |
| 1936..... | 27,167    | 1,472,282 | -1,445,115                           | 8,135   | 380,999 | -372,784                             | 2,448,195                          | 4,066,351 | -1,618,156                           |

# No. 503.—MERCHANDISE EXPORTS AND IMPORTS WITH TRADE BALANCES: FOR INDIVIDUAL YEARS 1790 TO 1890

NOTE.—All figures in thousands of dollars. For basis of dollar values, see general note, p. 427. For later years see table 500. Fiscal years ended Sept. 30, 1790 to 1842, June 30 thereafter

| Year    | Ex-ports | Im-ports | Excess of exports (+) or imports (-) | Year    | Ex-ports | Im-ports | Excess of exports (+) or imports (-) | Year    | Ex-ports | Im-ports | Excess of exports (+) or imports (-) |
|---------|----------|----------|--------------------------------------|---------|----------|----------|--------------------------------------|---------|----------|----------|--------------------------------------|
| 1790... | 20,205   | 23,000   | -2,795                               | 1826... | 72,891   | 78,094   | -5,203                               | 1861... | 219,554  | 289,311  | -69,757                              |
| 1791... | 19,012   | 20,200   | -10,188                              | 1827... | 74,310   | 71,333   | +2,977                               | 1862... | 190,671  | 189,367  | +1,304                               |
| 1792... | 20,753   | 31,509   | -10,747                              | 1828... | 64,021   | 81,020   | -16,999                              | 1863... | 203,964  | 243,336  | -39,372                              |
| 1793... | 23,110   | 31,100   | -8,990                               | 1829... | 67,435   | 67,059   | +376                                 | 1864... | 158,338  | 316,447  | -158,109                             |
| 1794... | 33,044   | 34,600   | -1,556                               | 1830... | 71,671   | 62,721   | +8,950                               | 1865... | 166,029  | 238,746  | -72,717                              |
| 1795... | 47,990   | 69,756   | -21,766                              | 1831... | 72,296   | 95,885   | -23,589                              | 1866... | 348,860  | 434,812  | -85,952                              |
| 1796... | 58,575   | 81,436   | -22,861                              | 1832... | 81,621   | 95,122   | -13,501                              | 1867... | 204,606  | 396,761  | -192,155                             |
| 1797... | 61,205   | 76,379   | -15,174                              | 1833... | 87,629   | 101,048  | -13,419                              | 1868... | 281,969  | 357,436  | -75,467                              |
| 1798... | 61,327   | 68,552   | -7,225                               | 1834... | 102,260  | 108,610  | -6,350                               | 1869... | 286,118  | 417,506  | -131,388                             |
| 1799... | 78,066   | 76,000   | +2,066                               | 1835... | 115,216  | 136,704  | -21,488                              | 1870... | 332,772  | 435,668  | -102,896                             |
| 1800... | 70,972   | 91,253   | -20,281                              | 1836... | 124,389  | 176,579  | -52,190                              | 1871... | 442,820  | 520,224  | -77,404                              |
| 1801... | 93,021   | 111,304  | -18,283                              | 1837... | 111,443  | 130,473  | -19,030                              | 1872... | 444,178  | 626,595  | -182,417                             |
| 1802... | 71,957   | 76,333   | -4,376                               | 1838... | 104,970  | 95,070   | +9,900                               | 1873... | 522,480  | 942,136  | -419,656                             |
| 1803... | 65,800   | 64,067   | +1,733                               | 1839... | 112,252  | 156,497  | -44,245                              | 1874... | 558,283  | 567,400  | -9,117                               |
| 1804... | 77,099   | 85,000   | -7,901                               | 1840... | 123,069  | 98,269   | +24,800                              | 1875... | 513,443  | 635,005  | -121,562                             |
| 1805... | 95,566   | 120,600  | -25,034                              | 1841... | 111,817  | 122,958  | -11,141                              | 1876... | 540,285  | 460,741  | +79,544                              |
| 1806... | 101,637  | 120,410  | -18,773                              | 1842... | 99,378   | 90,075   | +9,303                               | 1877... | 602,475  | 451,323  | +151,152                             |
| 1807... | 108,343  | 138,500  | -30,157                              | 1843... | 82,826   | 42,433   | +40,393                              | 1878... | 694,869  | 437,052  | +257,817                             |
| 1808... | 22,431   | 56,990   | -34,559                              | 1844... | 105,746  | 102,605  | +3,141                               | 1879... | 710,439  | 445,778  | +264,661                             |
| 1809... | 52,203   | 50,400   | +1,803                               | 1845... | 106,940  | 113,184  | -6,244                               | 1880... | 635,639  | 967,965  | -332,326                             |
| 1810... | 66,758   | 85,400   | -18,642                              | 1846... | 109,683  | 117,914  | -8,231                               | 1881... | 902,377  | 642,665  | +259,712                             |
| 1811... | 61,317   | 83,400   | -22,083                              | 1847... | 156,742  | 122,424  | +34,318                              | 1882... | 750,542  | 724,640  | +25,902                              |
| 1812... | 38,627   | 77,030   | -38,403                              | 1848... | 138,191  | 148,639  | -10,448                              | 1883... | 823,839  | 723,181  | +100,658                             |
| 1813... | 27,850   | 22,005   | +5,845                               | 1849... | 140,351  | 141,206  | -855                                 | 1884... | 740,614  | 667,698  | +72,916                              |
| 1814... | 0,927    | 12,965   | -12,038                              | 1850... | 144,376  | 173,510  | -29,134                              | 1885... | 742,190  | 577,627  | +164,563                             |
| 1815... | 52,558   | 113,041  | -60,483                              | 1851... | 188,915  | 210,771  | -21,856                              | 1886... | 679,525  | 635,436  | +44,089                              |
| 1816... | 81,020   | 147,103  | -66,083                              | 1852... | 166,984  | 207,440  | -40,456                              | 1887... | 716,183  | 692,320  | +23,863                              |
| 1817... | 87,672   | 99,250   | -11,578                              | 1853... | 203,459  | 285,777  | -82,318                              | 1888... | 695,955  | 723,957  | -28,002                              |
| 1818... | 93,281   | 121,750  | -28,469                              | 1854... | 237,044  | 297,804  | -60,760                              | 1889... | 742,401  | 745,132  | -2,731                               |
| 1819... | 70,143   | 87,125   | -16,982                              | 1855... | 215,910  | 267,809  | -51,899                              | 1890... | 857,829  | 789,810  | +68,019                              |
| 1820... | 69,602   | 74,450   | -4,848                               | 1856... | 251,219  | 310,432  | -59,213                              |         |          |          |                                      |
| 1821... | 54,496   | 54,621   | -25                                  | 1857... | 293,824  | 348,428  | -54,604                              |         |          |          |                                      |
| 1822... | 61,360   | 79,872   | -18,512                              | 1858... | 272,011  | 235,339  | +36,672                              |         |          |          |                                      |
| 1823... | 68,526   | 72,481   | -4,955                               | 1859... | 292,602  | 331,353  | -38,751                              |         |          |          |                                      |
| 1824... | 68,672   | 72,169   | -3,497                               | 1860... | 338,576  | 353,616  | -15,040                              |         |          |          |                                      |
| 1825... | 90,738   | 90,189   | +549                                 |         |          |          |                                      |         |          |          |                                      |

<sup>1</sup> Includes gold and silver prior to 1821.

<sup>2</sup> Period beginning Oct. 1, 1842, and ending June 30, 1843.

## No. 504.—PER CAPITA EXPORTS AND IMPORTS OF MERCHANDISE

NOTE.—Export figures for 1791 to 1820 are based on total exports including reexports (the latter were then relatively large) and for 1821 to date, on exports of United States merchandise only, shown in table 500. Import figures for 1791 to 1820 are based on general imports shown in table 500, for 1821 to 1870, total imports less reexports, and for 1871 to date, imports for consumption, shown in table 505

| Yearly average | Ex-ports | Im-ports | Yearly average or year | Ex-ports | Im-ports | Year    | Ex-ports | Im-ports | Year    | Ex-ports | Im-ports |
|----------------|----------|----------|------------------------|----------|----------|---------|----------|----------|---------|----------|----------|
|                | Dollars  | Dollars  |                        | Dollars  | Dollars  |         | Dollars  | Dollars  |         | Dollars  | Dollars  |
| 1791-1800...   | 10.08    | 12.75    | 1911-1915...           | 23.98    | 17.46    | 1902... | 16.99    | 11.28    | 1919... | 72.69    | 35.96    |
| 1801-1810...   | 11.82    | 14.71    | 1915-1920...           | 61.20    | 31.37    | 1903... | 17.10    | 12.38    | 1920... | 74.70    | 47.16    |
| 1811-1820...   | 6.96     | 9.53     | 1921-1925...           | 38.05    | 30.22    | 1904... | 17.28    | 11.82    | 1921... | 39.86    | 23.27    |
| 1821-1830...   | 4.71     | 5.02     | 1926-1930...           | 38.50    | 33.02    | 1905... | 17.62    | 12.84    | 1922... | 33.75    | 27.55    |
| 1831-1840...   | 8.66     | 6.91     | 1931-1935...           | 15.65    | 13.33    | 1906... | 19.90    | 14.06    | 1923... | 36.11    | 32.95    |
| 1841-1850...   | 5.67     | 5.60     | 1890...                | 13.54    | 12.27    | 1907... | 21.08    | 16.09    | 1924... | 39.12    | 31.10    |
| 1851-1860...   | 8.48     | 9.78     | 1891...                | 13.69    | 13.27    | 1908... | 20.48    | 13.21    | 1925... | 41.30    | 35.80    |
| 1861-1865...   | 5.11     | 7.15     | 1892...                | 15.82    | 12.37    | 1909... | 17.96    | 14.05    | 1926... | 39.81    | 37.24    |
| 1866-1870...   | 8.35     | 10.73    | 1893...                | 12.63    | 12.56    | 1910... | 18.41    | 16.06    | 1927... | 39.63    | 34.67    |
| 1871-1875...   | 11.70    | 13.55    | 1894...                | 12.55    | 9.32     | 1911... | 21.34    | 16.19    | 1928... | 41.31    | 33.49    |
| 1876-1880...   | 14.01    | 10.18    | 1895...                | 11.61    | 10.61    | 1912... | 22.65    | 17.13    | 1929... | 41.77    | 35.14    |
| 1881-1885...   | 14.49    | 12.50    | 1896...                | 12.29    | 10.82    | 1913... | 24.67    | 18.17    | 1930... | 30.23    | 24.90    |
| 1886-1890...   | 12.12    | 11.73    | 1897...                | 14.43    | 11.03    | 1914... | 23.61    | 19.32    | 1931... | 18.85    | 16.66    |
| 1891-1895...   | 13.21    | 11.69    | 1898...                | 16.02    | 8.06     | 1915... | 27.13    | 16.46    | 1932... | 12.41    | 10.43    |
| 1896-1899...   | 15.60    | 10.03    | 1899...                | 16.24    | 9.24     | 1916... | 53.01    | 23.06    | 1933... | 12.88    | 11.21    |
| 1901-1905...   | 17.63    | 11.75    | 1900...                | 18.17    | 11.01    | 1917... | 58.48    | 28.14    | 1934... | 16.31    | 12.71    |
| 1906-1910...   | 19.54    | 14.82    | 1901...                | 18.09    | 10.34    | 1918... | 57.51    | 28.06    | 1935... | 17.29    | 15.72    |

## No. 505.—IMPORTS ENTERED FOR CONSUMPTION AND DUTIES THEREON

NOTE.—For basis of dollar values, see general note, p. 427. From 1821 to 1886, inclusive, the figures of import values represent total imports less reexports, and for 1887 and later years imports entered for consumption. The "ratio of duties to total" is based upon the values of imports shown in the table. Figures cover fiscal years ended Sept. 30, 1821 to 1842, and June 30, 1843 to 1915; calendar years thereafter.

| Yearly average<br>or year | Values           |                  |                  |                 | Duties<br>calculated | Ratio of duties to<br>total |          | Amount<br>of duties<br>per<br>capita |
|---------------------------|------------------|------------------|------------------|-----------------|----------------------|-----------------------------|----------|--------------------------------------|
|                           | Total            | Free             | Dutiable         | Percent<br>free |                      | Free and<br>dutiable        | Dutiable |                                      |
|                           | 1,000<br>dollars | 1,000<br>dollars | 1,000<br>dollars |                 | 1,000<br>dollars     | Percent                     | Percent  | Dollars                              |
| 1821-1830                 | 56,749           | 3,325            | 53,424           | 5.86            | 20,282               | 40.31                       | 49.20    | 2.32                                 |
| 1831-1840                 | 104,139          | 39,080           | 64,469           | 38.10           | 24,509               | 23.53                       | 38.02    | 1.63                                 |
| 1841-1850                 | 110,561          | 20,347           | 90,214           | 18.40           | 20,738               | 24.18                       | 29.64    | 1.32                                 |
| 1851-1860                 | 267,871          | 40,685           | 227,186          | 15.19           | 54,611               | 20.36                       | 23.99    | 1.99                                 |
| 1861-1865                 | 237,826          | 45,110           | 192,716          | 18.97           | 66,275               | 27.45                       | 33.87    | 1.96                                 |
| 1866-1870                 | 393,447          | 20,242           | 373,205          | 6.67            | 174,809              | 44.43                       | 47.61    | 4.75                                 |
| 1871-1875                 | 563,234          | 112,458          | 450,776          | 19.97           | 183,014              | 32.40                       | 40.60    | 4.40                                 |
| 1876-1880                 | 482,071          | 154,501          | 327,570          | 32.05           | 143,888              | 29.74                       | 43.77    | 3.03                                 |
| 1881-1885                 | 603,128          | 204,073          | 458,455          | 30.80           | 197,801              | 29.83                       | 43.15    | 3.70                                 |
| 1886-1890                 | 702,234          | 237,299          | 464,935          | 33.80           | 213,358              | 30.38                       | 45.89    | 3.56                                 |
| 1891-1895                 | 768,756          | 401,921          | 366,835          | 52.29           | 173,832              | 22.61                       | 47.39    | 2.62                                 |
| 1896-1900                 | 780,411          | 341,733          | 388,658          | 46.79           | 181,328              | 24.83                       | 46.65    | 2.49                                 |
| 1901-1905                 | 956,891          | 428,830          | 528,061          | 44.81           | 250,469              | 26.80                       | 48.67    | 3.15                                 |
| 1906-1910                 | 1,328,187        | 615,416          | 712,721          | 46.34           | 305,440              | 23.00                       | 42.86    | 3.41                                 |
| 1911-1915                 | 1,698,028        | 966,141          | 731,887          | 50.89           | 289,408              | 16.69                       | 38.72    | 2.97                                 |
| 1915-1920                 | 3,288,889        | 2,262,412        | 1,026,245        | 68.79           | 227,035              | 6.90                        | 22.08    | 2.17                                 |
| 1921-1925                 | 3,422,748        | 2,088,932        | 1,333,816        | 61.03           | 478,911              | 13.99                       | 35.90    | 4.22                                 |
| 1926-1930                 | 4,020,360        | 2,645,610        | 1,374,740        | 65.81           | 550,742              | 13.70                       | 40.00    | 4.62                                 |
| 1931-1935                 | 1,704,294        | 1,075,686        | 628,700          | 63.11           | 314,477              | 18.45                       | 50.02    | 2.46                                 |
| 1892                      | 804,297          | 448,771          | 355,526          | 55.78           | 174,124              | 21.05                       | 48.98    | 2.68                                 |
| 1893                      | 832,732          | 432,450          | 400,282          | 51.93           | 190,143              | 23.91                       | 49.75    | 3.00                                 |
| 1894                      | 630,107          | 372,430          | 257,645          | 59.11           | 129,558              | 20.56                       | 50.29    | 1.92                                 |
| 1895                      | 731,162          | 376,890          | 354,272          | 61.55           | 149,450              | 20.44                       | 42.19    | 2.17                                 |
| 1896                      | 759,694          | 368,897          | 390,797          | 48.56           | 157,013              | 20.67                       | 40.18    | 2.24                                 |
| 1897                      | 789,251          | 381,902          | 407,349          | 48.89           | 172,760              | 21.89                       | 42.41    | 2.40                                 |
| 1898                      | 587,153          | 291,534          | 295,619          | 49.65           | 145,438              | 24.77                       | 49.20    | 2.01                                 |
| 1899                      | 835,441          | 299,669          | 335,772          | 43.72           | 202,072              | 29.48                       | 52.38    | 2.73                                 |
| 1900                      | 850,519          | 306,760          | 463,759          | 44.16           | 226,300              | 27.62                       | 49.46    | 3.04                                 |
| 1901                      | 807,763          | 339,093          | 468,670          | 41.98           | 233,550              | 28.91                       | 49.88    | 2.99                                 |
| 1902                      | 899,793          | 396,542          | 503,251          | 41.01           | 251,453              | 27.95                       | 49.97    | 3.18                                 |
| 1903                      | 1,007,960        | 437,291          | 570,669          | 43.38           | 280,752              | 27.85                       | 49.20    | 3.45                                 |
| 1904                      | 981,822          | 454,153          | 527,669          | 46.26           | 258,161              | 26.29                       | 48.92    | 3.11                                 |
| 1905                      | 1,087,118        | 517,073          | 570,045          | 47.50           | 265,426              | 23.77                       | 45.33    | 3.05                                 |
| 1906                      | 1,213,417        | 548,695          | 664,722          | 45.22           | 293,910              | 24.22                       | 44.22    | 3.40                                 |
| 1907                      | 1,415,402        | 641,953          | 773,449          | 45.35           | 329,480              | 23.28                       | 42.60    | 3.75                                 |
| 1908                      | 1,183,120        | 526,704          | 656,416          | 44.43           | 282,882              | 23.88                       | 42.98    | 3.15                                 |
| 1909                      | 1,281,641        | 599,376          | 682,265          | 46.77           | 294,687              | 22.99                       | 43.19    | 3.23                                 |
| 1910                      | 1,547,109        | 761,353          | 785,756          | 49.21           | 326,661              | 21.11                       | 41.66    | 3.52                                 |
| 1911                      | 1,527,945        | 776,964          | 750,981          | 50.85           | 309,965              | 20.29                       | 41.27    | 3.28                                 |
| 1912                      | 1,640,722        | 881,513          | 759,209          | 53.73           | 304,899              | 18.58                       | 40.16    | 3.18                                 |
| 1913                      | 1,766,889        | 986,972          | 779,917          | 55.87           | 312,500              | 17.69                       | 40.08    | 3.21                                 |
| 1914                      | 1,906,400        | 1,152,392        | 754,008          | 60.45           | 283,719              | 14.88                       | 37.63    | 2.87                                 |
| 1915                      | 1,648,386        | 1,032,863        | 615,523          | 62.66           | 205,946              | 12.49                       | 33.46    | 2.06                                 |
| 1915 (6 mos.)             | 934,675          | 631,384          | 303,291          | 67.56           | 95,858               | 10.26                       | 31.61    | .95                                  |
| 1916                      | 2,353,612        | 1,614,842        | 743,770          | 68.47           | 214,214              | 9.10                        | 28.80    | 2.11                                 |
| 1917                      | 2,919,291        | 2,140,947        | 778,344          | 73.34           | 204,556              | 7.01                        | 26.28    | 1.99                                 |
| 1918                      | 2,951,531        | 2,228,675        | 722,856          | 75.51           | 170,934              | 5.79                        | 23.65    | 1.64                                 |
| 1919                      | 3,827,683        | 2,711,462        | 1,116,221        | 70.84           | 237,456              | 6.20                        | 21.27    | 2.24                                 |
| 1920                      | 5,101,823        | 3,115,958        | 1,985,865        | 61.08           | 325,646              | 6.38                        | 16.40    | 3.03                                 |
| 1921                      | 2,556,869        | 1,564,278        | 992,591          | 61.18           | 292,397              | 11.44                       | 29.46    | 2.06                                 |
| 1922                      | 3,078,773        | 1,888,240        | 1,185,533        | 61.43           | 451,356              | 14.68                       | 38.07    | 4.05                                 |
| 1923                      | 3,731,769        | 2,165,148        | 1,566,621        | 58.02           | 566,664              | 15.18                       | 36.17    | 5.00                                 |
| 1924                      | 3,575,111        | 2,118,168        | 1,456,943        | 59.25           | 532,286              | 14.89                       | 38.53    | 4.63                                 |
| 1925                      | 4,176,218        | 2,708,828        | 1,467,391        | 64.87           | 551,853              | 13.21                       | 37.61    | 4.73                                 |
| 1926                      | 4,408,070        | 2,908,107        | 1,499,969        | 65.97           | 590,045              | 13.39                       | 39.34    | 4.98                                 |
| 1927                      | 4,183,990        | 2,680,069        | 1,483,921        | 64.38           | 574,839              | 13.81                       | 38.76    | 4.79                                 |
| 1928                      | 4,077,937        | 2,678,933        | 1,399,004        | 65.68           | 542,270              | 13.30                       | 38.76    | 4.45                                 |
| 1929                      | 4,338,672        | 2,880,128        | 1,458,444        | 66.38           | 584,771              | 13.43                       | 40.10    | 4.74                                 |
| 1930                      | 3,114,077        | 2,081,123        | 1,032,954        | 66.83           | 401,790              | 14.83                       | 44.71    | 3.69                                 |
| 1931                      | 2,088,455        | 1,391,693        | 696,762          | 66.64           | 370,771              | 17.75                       | 53.21    | 2.94                                 |
| 1932                      | 1,325,093        | 885,536          | 439,557          | 66.83           | 259,000              | 19.59                       | 59.06    | 2.04                                 |
| 1933                      | 1,433,013        | 903,547          | 529,466          | 63.06           | 283,681              | 19.80                       | 58.58    | 2.22                                 |
| 1934                      | 1,636,008        | 991,161          | 644,847          | 60.58           | 301,168              | 18.41                       | 46.70    | 2.34                                 |
| 1935                      | 2,038,905        | 1,205,987        | 832,918          | 59.15           | 357,163              | 17.52                       | 42.88    | 2.75                                 |

<sup>1</sup> Period July 1, 1915, to Dec. 31, 1920.

# No. 506.—INDEXES OF QUANTITY, UNIT VALUE (PRICE), AND TOTAL VALUE OF EXPORTS OF UNITED STATES MERCHANDISE AND IMPORTS

NOTE.—The quantity and unit value indexes have been constructed by the so-called "ideal formula", the essential feature of which is the use of the quantities of the several articles as weighting factors of their unit values for each pair of years compared. About 265 commodities were included in the direct calculations for both exports and imports. It was then assumed that the prices of articles in each economic class not directly covered had moved in parallel with those of articles covered and their value, adjusted by the computed price index, was included in the aggregate totals from which the quantity index for each class was calculated. The index of quantity and unit value of total exports and imports was based on the aggregate of the adjusted totals of the classes. In constructing the indexes the data for 1919 were linked directly to 1913, and each subsequent year was compared with that preceding. The resulting year-to-year percentages were made into a series by the chain method

[1923-1925 average=100]

| Yearly average<br>or year | Exports of United States merchandise |            |       |                 |            |       |                  |            |       |                                           |            |       |
|---------------------------|--------------------------------------|------------|-------|-----------------|------------|-------|------------------|------------|-------|-------------------------------------------|------------|-------|
|                           | Total                                |            |       | Crude materials |            |       | Crude foodstuffs |            |       | Manufactured food-<br>stuffs <sup>1</sup> |            |       |
|                           | Quantity                             | Unit value | Value | Quantity        | Unit value | Value | Quantity         | Unit value | Value | Quantity                                  | Unit value | Value |
| 1913.....                 | 84                                   | 65         | 55    | 123             | 47         | 59    | 81               | 65         | 53    | 73                                        | 76         | 56    |
| 1921-1925.....            | 97                                   | 99         | 96    | 99              | 91         | 90    | 135              | 97         | 130   | 105                                       | 99         | 104   |
| 1926-1930.....            | 122                                  | 86         | 105   | 121             | 70         | 87    | 99               | 92         | 93    | 81                                        | 97         | 79    |
| 1931-1935.....            | 76                                   | 59         | 45    | 105             | 44         | 46    | 46               | 52         | 24    | 49                                        | 62         | 30    |
| 1925.....                 | 107                                  | 100        | 103   | 118             | 91         | 108   | 85               | 115        | 99    | 88                                        | 112        | 99    |
| 1926.....                 | 115                                  | 92         | 105   | 134             | 70         | 95    | 105              | 99         | 104   | 81                                        | 107        | 87    |
| 1927.....                 | 124                                  | 85         | 106   | 130             | 69         | 90    | 131              | 99         | 130   | 81                                        | 99         | 80    |
| 1928.....                 | 128                                  | 88         | 113   | 124             | 78         | 98    | 98               | 93         | 91    | 84                                        | 96         | 81    |
| 1929.....                 | 132                                  | 87         | 116   | 113             | 76         | 86    | 94               | 89         | 84    | 87                                        | 96         | 84    |
| 1930.....                 | 109                                  | 78         | 85    | 106             | 59         | 63    | 69               | 80         | 55    | 71                                        | 88         | 63    |
| 1931.....                 | 80                                   | 60         | 53    | 107             | 40         | 43    | 71               | 55         | 39    | 63                                        | 68         | 43    |
| 1932.....                 | 69                                   | 61         | 35    | 115             | 34         | 39    | 59               | 47         | 28    | 50                                        | 52         | 26    |
| 1933.....                 | 69                                   | 54         | 37    | 113             | 39         | 45    | 32               | 48         | 15    | 49                                        | 55         | 27    |
| 1934.....                 | 74                                   | 63         | 47    | 94              | 52         | 49    | 34               | 54         | 18    | 47                                        | 62         | 29    |
| 1935.....                 | 78                                   | 65         | 50    | 97              | 53         | 52    | 33               | 56         | 18    | 37                                        | 72         | 27    |

  

|                | Exports of United States merchandise |            |       |                            |            |       | Imports <sup>2</sup> |            |       |                 |            |       |
|----------------|--------------------------------------|------------|-------|----------------------------|------------|-------|----------------------|------------|-------|-----------------|------------|-------|
|                | Semimanufactures                     |            |       | Finished manufac-<br>tures |            |       | Total                |            |       | Crude materials |            |       |
|                | Quantity                             | Unit value | Value | Quantity                   | Unit value | Value | Quantity             | Unit value | Value | Quantity        | Unit value | Value |
| 1913.....      | 91                                   | 72         | 65    | 85                         | 73         | 48    | 66                   | 70         | 46    | 58              | 72         | 42    |
| 1921-1925..... | 88                                   | 100        | 88    | 91                         | 107        | 90    | 94                   | 94         | 89    | 96              | 90         | 88    |
| 1926-1930..... | 113                                  | 95         | 108   | 143                        | 91         | 130   | 116                  | 89         | 104   | 118             | 87         | 101   |
| 1931-1935..... | 71                                   | 65         | 47    | 80                         | 64         | 52    | 91                   | 48         | 45    | 91              | 36         | 33    |
| 1925.....      | 106                                  | 102        | 108   | 113                        | 100        | 113   | 104                  | 105        | 109   | 105             | 113        | 119   |
| 1926.....      | 106                                  | 101        | 107   | 119                        | 101        | 120   | 112                  | 102        | 114   | 109             | 112        | 122   |
| 1927.....      | 121                                  | 95         | 114   | 133                        | 91         | 121   | 113                  | 95         | 108   | 116             | 94         | 109   |
| 1928.....      | 124                                  | 94         | 117   | 154                        | 90         | 138   | 115                  | 92         | 106   | 116             | 86         | 100   |
| 1929.....      | 119                                  | 100        | 119   | 174                        | 89         | 155   | 131                  | 87         | 114   | 133             | 80         | 106   |
| 1930.....      | 97                                   | 87         | 84    | 137                        | 85         | 116   | 111                  | 71         | 79    | 108             | 63         | 68    |
| 1931.....      | 73                                   | 71         | 52    | 100                        | 68         | 68    | 98                   | 55         | 54    | 102             | 43         | 44    |
| 1932.....      | 55                                   | 58         | 32    | 61                         | 62         | 38    | 79                   | 43         | 34    | 81              | 30         | 24    |
| 1933.....      | 64                                   | 60         | 39    | 64                         | 59         | 38    | 86                   | 43         | 37    | 91              | 31         | 28    |
| 1934.....      | 81                                   | 69         | 56    | 84                         | 64         | 54    | 86                   | 50         | 43    | 83              | 37         | 31    |
| 1935.....      | 83                                   | 68         | 57    | 93                         | 65         | 61    | 106                  | 50         | 53    | 100             | 40         | 39    |

  

|                | Imports <sup>2</sup> |            |       |                                           |            |       |                  |            |       |                            |            |       |
|----------------|----------------------|------------|-------|-------------------------------------------|------------|-------|------------------|------------|-------|----------------------------|------------|-------|
|                | Crude foodstuffs     |            |       | Manufactured food-<br>stuffs <sup>1</sup> |            |       | Semimanufactures |            |       | Finished manufac-<br>tures |            |       |
|                | Quantity             | Unit value | Value | Quantity                                  | Unit value | Value | Quantity         | Unit value | Value | Quantity                   | Unit value | Value |
| 1913.....      | 67                   | 77         | 52    | 74                                        | 54         | 40    | 64               | 75         | 48    | 84                         | 64         | 54    |
| 1921-1925..... | 98                   | 91         | 89    | 98                                        | 94         | 91    | 87               | 98         | 86    | 98                         | 100        | 93    |
| 1926-1930..... | 109                  | 100        | 118   | 119                                       | 95         | 80    | 112              | 96         | 107   | 123                        | 93         | 114   |
| 1931-1935..... | 110                  | 56         | 62    | 111                                       | 44         | 48    | 72               | 62         | 45    | 88                         | 58         | 51    |
| 1925.....      | 97                   | 120        | 116   | 118                                       | 74         | 87    | 105              | 101        | 108   | 99                         | 104        | 103   |
| 1926.....      | 107                  | 119        | 126   | 122                                       | 69         | 84    | 112              | 101        | 113   | 114                        | 99         | 114   |
| 1927.....      | 107                  | 111        | 118   | 111                                       | 82         | 91    | 105              | 100        | 106   | 120                        | 96         | 114   |
| 1928.....      | 108                  | 120        | 129   | 112                                       | 73         | 82    | 113              | 95         | 107   | 118                        | 100        | 117   |
| 1929.....      | 112                  | 113        | 126   | 137                                       | 63         | 86    | 127              | 98         | 125   | 141                        | 91         | 129   |
| 1930.....      | 113                  | 83         | 94    | 114                                       | 52         | 59    | 102              | 84         | 86    | 121                        | 81         | 98    |
| 1931.....      | 109                  | 65         | 71    | 97                                        | 46         | 45    | 79               | 67         | 52    | 103                        | 69         | 71    |
| 1932.....      | 99                   | 55         | 54    | 92                                        | 38         | 35    | 57               | 63         | 31    | 79                         | 56         | 44    |
| 1933.....      | 100                  | 50         | 50    | 102                                       | 40         | 41    | 73               | 57         | 41    | 79                         | 53         | 42    |
| 1934.....      | 104                  | 57         | 60    | 125                                       | 45         | 56    | 65               | 67         | 44    | 82                         | 56         | 46    |
| 1935.....      | 140                  | 54         | 76    | 137                                       | 49         | 68    | 87               | 67         | 58    | 97                         | 55         | 53    |

<sup>1</sup> Includes beverages.

<sup>2</sup> Based on general imports through 1933; on imports for consumption thereafter. The 1934 indexes were obtained by applying to the general import indexes the percentage changes in imports for consumption from 1933 to 1934.

## No. 507.—EXPORTS OF UNITED STATES MERCHANDISE

NOTE.—All figures in thousands of dollars. For basis of dollar values, see general note, p. 427. Import footnotes. Figures cover fiscal years ended Sept. 30, 1821 to 1840, and June 30, 1850 to 1915; calendar the United States. Owing to the special influence of the war on the character of our trade, averages for

| Yearly average or year | Exports of United States merchandise |                 |                  |                                      |                   |                       |
|------------------------|--------------------------------------|-----------------|------------------|--------------------------------------|-------------------|-----------------------|
|                        | Total                                | Crude materials | Crude foodstuffs | Manufactured foodstuffs <sup>1</sup> | Semi-manufactures | Finished manufactures |
| 1821                   | 51,684                               | 31,332          | 2,475            | 10,085                               | 4,807             | 2,925                 |
| 1830                   | 58,525                               | 36,065          | 2,724            | 9,557                                | 4,118             | 5,462                 |
| 1840                   | 111,061                              | 75,786          | 4,565            | 15,998                               | 4,841             | 10,584                |
| 1860                   | 134,900                              | 84,124          | 7,530            | 20,017                               | 6,061             | 17,162                |
| 1861-1860              | 232,149                              | 148,150         | 15,337           | 35,784                               | 9,317             | 28,005                |
| 1861-1865              | 170,198                              | 33,980          | 37,070           | 58,585                               | 9,080             | 30,207                |
| 1866-1870              | 307,096                              | 177,296         | 27,858           | 42,306                               | 14,408            | 45,828                |
| 1871-1875              | 486,128                              | 218,440         | 75,206           | 95,282                               | 22,681            | 74,509                |
| 1876-1880              | 663,650                              | 213,989         | 158,863          | 161,015                              | 30,174            | 98,719                |
| 1881-1885              | 774,607                              | 261,645         | 162,714          | 197,457                              | 37,044            | 115,747               |
| 1886-1890              | 725,685                              | 276,703         | 108,708          | 181,521                              | 40,028            | 118,780               |
| 1891-1895              | 876,326                              | 295,087         | 150,846          | 238,580                              | 55,343            | 136,470               |
| 1896-1900              | 1,136,089                            | 290,664         | 214,778          | 272,769                              | 109,600           | 242,338               |
| 1901-1905              | 1,427,020                            | 432,027         | 173,972          | 316,226                              | 161,206           | 343,589               |
| 1906-1910              | 1,750,980                            | 554,754         | 155,828          | 317,374                              | 249,134           | 479,890               |
| 1911-1915              | 2,331,648                            | 715,637         | 205,939          | 333,971                              | 355,239           | 715,861               |
| 1915-1920              | 6,416,513                            | 1,168,995       | 587,588          | 1,133,226                            | 987,185           | 2,539,520             |
| 1921-1925              | 4,310,321                            | 1,187,056       | 420,002          | 600,710                              | 536,793           | 1,565,080             |
| 1926-1930              | 4,687,788                            | 1,149,762       | 299,794          | 455,814                              | 632,688           | 2,125,730             |
| 1931-1935              | 1,988,914                            | 601,344         | 70,528           | 176,680                              | 288,802           | 840,734               |
| 1910-1914              | 2,130,429                            | 713,184         | 126,056          | 294,908                              | 341,620           | 654,211               |
| 1915-1919              | 5,227,127                            | 843,268         | 502,703          | 945,720                              | 871,731           | 2,063,646             |
| 1893                   | 831,031                              | 251,669         | 153,278          | 247,075                              | 49,071            | 129,038               |
| 1894                   | 869,205                              | 283,357         | 133,107          | 249,840                              | 67,145            | 135,659               |
| 1895                   | 793,393                              | 269,294         | 99,145           | 210,090                              | 62,254            | 143,610               |
| 1896                   | 863,201                              | 257,227         | 128,551          | 219,413                              | 79,220            | 181,789               |
| 1897                   | 1,032,008                            | 304,291         | 181,421          | 235,052                              | 98,284            | 212,959               |
| 1898                   | 1,210,292                            | 295,775         | 305,109          | 284,880                              | 101,991           | 222,527               |
| 1899                   | 1,203,931                            | 285,887         | 232,903          | 304,755                              | 117,730           | 262,087               |
| 1900                   | 1,370,764                            | 340,139         | 225,906          | 319,698                              | 153,276           | 331,747               |
| 1901                   | 1,460,463                            | 411,377         | 245,836          | 337,163                              | 148,351           | 317,746               |
| 1902                   | 1,355,482                            | 387,711         | 184,786          | 328,832                              | 132,200           | 321,947               |
| 1903                   | 1,392,232                            | 415,543         | 185,308          | 323,245                              | 140,667           | 327,469               |
| 1904                   | 1,435,179                            | 490,984         | 135,747          | 308,836                              | 174,877           | 348,735               |
| 1905                   | 1,491,745                            | 478,518         | 118,185          | 283,065                              | 209,920           | 402,050               |
| 1906                   | 1,717,954                            | 507,328         | 177,216          | 347,385                              | 220,211           | 450,813               |
| 1907                   | 1,853,718                            | 600,540         | 167,348          | 345,707                              | 259,442           | 480,081               |
| 1908                   | 1,834,786                            | 563,197         | 189,052          | 331,962                              | 261,106           | 480,470               |
| 1909                   | 1,638,356                            | 528,691         | 135,694          | 302,555                              | 231,144           | 440,272               |
| 1910                   | 1,710,084                            | 574,015         | 109,828          | 269,260                              | 267,766           | 499,215               |
| 1911                   | 2,013,549                            | 720,611         | 103,402          | 282,017                              | 309,152           | 598,368               |
| 1912                   | 2,170,320                            | 731,164         | 99,890           | 318,839                              | 348,150           | 672,288               |
| 1913                   | 2,428,506                            | 740,290         | 181,907          | 321,204                              | 408,807           | 776,297               |
| 1914                   | 2,529,684                            | 799,838         | 137,495          | 293,219                              | 374,224           | 724,908               |
| 1915                   | 2,716,178                            | 691,282         | 506,993          | 454,575                              | 355,862           | 807,466               |
| 1915 (6 mos.)          | 1,820,393                            | 303,228         | 157,897          | 292,720                              | 208,002           | 798,546               |
| 1916                   | 5,422,642                            | 815,693         | 421,284          | 648,039                              | 912,262           | 2,625,364             |
| 1917                   | 6,169,617                            | 832,827         | 508,762          | 806,941                              | 1,315,242         | 2,705,845             |
| 1918                   | 5,047,875                            | 972,107         | 647,435          | 1,405,820                            | 1,053,270         | 2,069,242             |
| 1919                   | 7,749,818                            | 1,623,085       | 678,363          | 1,932,616                            | 922,246           | 2,663,505             |
| 1920                   | 8,080,481                            | 1,882,630       | 917,991          | 1,116,605                            | 958,497           | 3,204,868             |
| 1921                   | 4,378,928                            | 983,553         | 673,334          | 685,025                              | 410,167           | 1,626,849             |
| 1922                   | 3,765,091                            | 988,456         | 458,611          | 587,987                              | 437,730           | 1,292,307             |
| 1923                   | 4,090,715                            | 1,208,468       | 257,478          | 583,292                              | 563,718           | 1,477,759             |
| 1924                   | 4,497,649                            | 1,332,746       | 392,691          | 578,492                              | 610,668           | 1,588,052             |
| 1925                   | 4,818,722                            | 1,422,058       | 317,894          | 573,753                              | 661,683           | 1,843,334             |
| 1926                   | 4,711,721                            | 1,261,325       | 335,063          | 503,005                              | 655,547           | 1,950,781             |
| 1927                   | 4,758,884                            | 1,192,776       | 421,107          | 463,299                              | 699,727           | 1,981,955             |
| 1928                   | 5,030,099                            | 1,293,257       | 294,677          | 465,811                              | 716,352           | 2,260,002             |
| 1929                   | 5,157,083                            | 1,142,352       | 299,590          | 454,304                              | 729,013           | 2,531,823             |
| 1930                   | 3,781,172                            | 829,098         | 178,533          | 302,650                              | 512,802           | 1,898,089             |
| 1931                   | 2,377,922                            | 666,791         | 127,072          | 246,814                              | 317,647           | 1,119,667             |
| 1932                   | 1,576,151                            | 513,659         | 89,419           | 152,118                              | 196,727           | 624,228               |
| 1933                   | 1,647,220                            | 690,566         | 48,366           | 154,600                              | 237,041           | 616,539               |
| 1933*                  |                                      |                 |                  |                                      |                   |                       |
| 1934                   | 2,100,135                            | 652,752         | 50,032           | 167,677                              | 341,637           | 878,839               |
| 1935                   | 2,243,081                            | 682,952         | 58,751           | 157,211                              | 340,858           | 994,308               |

<sup>1</sup> Includes beverages.<sup>2</sup> Period July 1, 1915, to Dec. 31, 1920.

## AND IMPORTS, BY ECONOMIC CLASSES

data are "general imports" through 1933, "imports for consumption" thereafter, except as indicated in  
thereafter, except as noted. For articles covered by each class see Annual Commerce and Navigation of  
the fiscal years 1910-14 and 1915-19 are also shown.

| Imports (see headnote) |                 |                  |                                      |                  |                       | Yearly average or year  |
|------------------------|-----------------|------------------|--------------------------------------|------------------|-----------------------|-------------------------|
| Total                  | Crude materials | Crude foodstuffs | Manufactured foodstuffs <sup>1</sup> | Semimanufactures | Finished manufactures |                         |
| 54,521                 | 2,540           | 6,081            | 10,821                               | 4,079            | 30,999                | 1821.                   |
| 62,721                 | 4,797           | 7,382            | 9,654                                | 5,152            | 35,785                | 1830.                   |
| 98,269                 | 12,140          | 15,274           | 16,189                               | 11,356           | 44,300                | 1840.                   |
| 173,610                | 12,556          | 18,012           | 21,466                               | 26,163           | 95,313                | 1850.                   |
| 284,476                | 27,394          | 33,286           | 43,904                               | 35,559           | 144,332               | 1851-1880.              |
| 255,439                | 36,094          | 36,504           | 44,613                               | 34,744           | 103,514               | 1861-1885.              |
| 408,295                | 47,814          | 54,018           | 81,381                               | 56,632           | 168,449               | 1866-1870.              |
| 577,873                | 93,182          | 81,602           | 115,960                              | 78,360           | 208,769               | 1871-1875.              |
| 492,670                | 91,353          | 80,461           | 105,865                              | 61,318           | 144,573               | 1876-1880.              |
| 667,142                | 133,268         | 99,376           | 127,732                              | 91,625           | 215,141               | 1881-1885.              |
| 717,231                | 162,436         | 113,130          | 118,224                              | 118,045          | 210,396               | 1886-1890.              |
| 785,137                | 185,222         | 146,510          | 140,726                              | 112,833          | 190,846               | 1891-1895.              |
| 741,519                | 218,517         | 111,843          | 118,124                              | 99,005           | 194,030               | 1896-1900.              |
| 972,102                | 324,508         | 125,644          | 120,218                              | 161,809          | 239,083               | 1901-1905.              |
| 1,844,835              | 464,809         | 147,706          | 153,658                              | 239,577          | 334,088               | 1906-1910.              |
| 1,712,819              | 597,701         | 219,085          | 216,144                              | 297,470          | 382,963               | 1911-1915.              |
| 3,355,354              | 1,347,667       | 408,152          | 544,549                              | 574,421          | 483,566               | 1915-1920. <sup>2</sup> |
| 3,450,103              | 1,290,375       | 382,539          | 448,089                              | 609,225          | 719,875               | 1921-1925.              |
| 4,033,499              | 1,484,123       | 506,016          | 398,310                              | 762,334          | 882,385               | 1926-1930.              |
| 1,704,207              | 492,638         | 265,985          | 233,963                              | 319,123          | 392,558               | 1931-1935. <sup>3</sup> |
| 1,688,874              | 594,957         | 203,205          | 194,312                              | 307,068          | 389,332               | 1910-1914.              |
| 2,514,557              | 1,039,366       | 312,059          | 355,305                              | 443,647          | 364,180               | 1915-1919. <sup>4</sup> |
| 860,401                | 216,624         | 131,664          | 153,789                              | 135,609          | 228,765               | 1893.                   |
| 654,995                | 134,043         | 133,310          | 155,349                              | 82,895           | 184,798               | 1894.                   |
| 731,970                | 187,537         | 141,377          | 107,026                              | 96,487           | 199,543               | 1895.                   |
| 779,725                | 203,205         | 130,002          | 118,806                              | 101,071          | 226,640               | 1896.                   |
| 764,730                | 200,771         | 128,380          | 129,245                              | 88,490           | 217,844               | 1897.                   |
| 616,080                | 193,000         | 103,955          | 86,091                               | 79,289           | 159,025               | 1898.                   |
| 697,143                | 213,297         | 93,933           | 123,448                              | 91,654           | 169,516               | 1899.                   |
| 849,641                | 281,649         | 97,916           | 133,028                              | 134,222          | 208,126               | 1900.                   |
| 823,172                | 254,164         | 110,355          | 125,541                              | 127,577          | 205,505               | 1901.                   |
| 903,821                | 308,613         | 120,280          | 95,550                               | 147,656          | 231,421               | 1902.                   |
| 1,025,719              | 336,888         | 119,203          | 116,820                              | 195,751          | 257,757               | 1903.                   |
| 901,087                | 827,549         | 132,224          | 118,223                              | 180,234          | 252,858               | 1904.                   |
| 1,117,613              | 395,826         | 146,131          | 146,356                              | 177,828          | 252,372               | 1905.                   |
| 1,220,602              | 423,789         | 134,315          | 140,358                              | 220,299          | 307,801               | 1906.                   |
| 1,434,421              | 487,728         | 149,748          | 153,656                              | 274,096          | 364,193               | 1907.                   |
| 1,194,842              | 373,889         | 145,678          | 147,009                              | 196,248          | 331,618               | 1908.                   |
| 1,311,920              | 460,901         | 164,111          | 165,701                              | 222,102          | 299,106               | 1909.                   |
| 1,556,947              | 677,743         | 144,777          | 181,566                              | 285,138          | 367,723               | 1910.                   |
| 1,527,226              | 624,817         | 181,195          | 172,006                              | 287,786          | 361,422               | 1911.                   |
| 1,653,265              | 573,048         | 230,358          | 196,101                              | 293,739          | 360,019               | 1912.                   |
| 1,813,008              | 649,438         | 211,747          | 194,243                              | 349,402          | 408,179               | 1913.                   |
| 1,893,926              | 649,740         | 247,948          | 227,644                              | 319,276          | 449,318               | 1914.                   |
| 1,674,170              | 591,462         | 228,030          | 285,725                              | 237,176          | 335,877               | 1915.                   |
| 912,787                | 378,446         | 130,398          | 113,441                              | 143,752          | 146,750               | 1915 (6 mos.).          |
| 2,391,635              | 1,029,358       | 260,132          | 338,707                              | 417,860          | 345,578               | 1916.                   |
| 2,952,408              | 1,286,079       | 385,725          | 351,553                              | 536,663          | 392,448               | 1917.                   |
| 3,031,213              | 1,233,697       | 345,653          | 397,370                              | 649,585          | 404,908               | 1918.                   |
| 3,904,365              | 1,701,057       | 545,301          | 555,808                              | 608,996          | 493,203               | 1919.                   |
| 5,278,481              | 1,783,534       | 677,627          | 1,238,139                            | 802,456          | 876,725               | 1920.                   |
| 2,609,148              | 858,858         | 300,181          | 368,311                              | 361,747          | 820,051               | 1921.                   |
| 3,112,747              | 1,179,894       | 329,809          | 387,419                              | 552,677          | 662,947               | 1922.                   |
| 3,792,006              | 1,406,797       | 363,032          | 530,208                              | 720,729          | 771,300               | 1923.                   |
| 3,609,993              | 1,258,256       | 424,873          | 521,600                              | 655,888          | 749,346               | 1924.                   |
| 4,226,689              | 1,748,065       | 494,800          | 432,906                              | 755,085          | 795,738               | 1925.                   |
| 4,430,888              | 1,792,292       | 539,818          | 417,817                              | 804,333          | 876,028               | 1926.                   |
| 4,184,742              | 1,600,809       | 504,686          | 450,849                              | 749,801          | 878,697               | 1927.                   |
| 4,091,444              | 1,466,734       | 549,892          | 405,814                              | 762,381          | 906,173               | 1928.                   |
| 4,399,361              | 1,558,620       | 538,560          | 423,622                              | 885,051          | 963,503               | 1929.                   |
| 3,060,908              | 1,002,161       | 400,126          | 293,445                              | 608,153          | 757,021               | 1930.                   |
| 2,090,635              | 642,173         | 304,328          | 222,316                              | 372,043          | 549,275               | 1931.                   |
| 1,822,774              | 358,325         | 232,964          | 173,927                              | 215,967          | 340,591               | 1932.                   |
| 1,449,559              | 418,151         | 215,700          | 201,483                              | 292,005          | 322,220               | 1933.                   |
| 1,439,013              | 419,632         | 215,490          | 191,196                              | 289,612          | 317,033               | 1933. <sup>5</sup>      |
| 1,636,003              | 460,617         | 254,314          | 263,547                              | 307,302          | 350,223               | 1934.                   |
| 2,038,905              | 582,443         | 322,327          | 318,828                              | 409,690          | 405,817               | 1935.                   |

<sup>2</sup> "General imports" through 1932; "imports for consumption" thereafter.

<sup>4</sup> Fiscal years.

<sup>5</sup> Revised.

<sup>3</sup> Imports for consumption; see headnote.

## No. 508.—IMPORTS OF MERCHANDISE, FREE AND DUTIABLE,

NOTE.—All figures in thousands of dollars. For basis of dollar values, see general note, p. 427. Figures Data are "general imports" through 1933; "imports for consumption" beginning 1934. The percentage of the dutiable general imports are reported as reexported than of the free general imports. Moreover, 1933, carpet wool used for making carpets and, for 1922 to 1928, wheat imported for milling in bond for For adjusted figures see table 402 of the 1935 issue of the Statistical Abstract.

| Year or<br>yearly<br>average | Total     |           |                 | Crude materials |               |                 | Crude foodstuffs and food<br>animals |               |                 |
|------------------------------|-----------|-----------|-----------------|-----------------|---------------|-----------------|--------------------------------------|---------------|-----------------|
|                              | Free      | Dutiable  | Percent<br>free | Free            | Duti-<br>able | Percent<br>free | Free                                 | Duti-<br>able | Percent<br>free |
| 1821.....                    | 2,018     | 52,504    | 3.7             | 1,475           | 1,066         | 58.1            | 6,082                                | ---           | ---             |
| 1830.....                    | 4,590     | 58,131    | 7.3             | 3,348           | 1,450         | 69.8            | 7,382                                | ---           | ---             |
| 1840.....                    | 48,314    | 49,946    | 49.2            | 9,780           | 2,360         | 80.6            | 15,214                               | 2,608         | 99.6            |
| 1850.....                    | 18,032    | 155,428   | 10.4            | 602             | 11,954        | 4.8             | 15,803                               | 2,208         | 87.7            |
| 1851-1860.....               | 44,730    | 239,745   | 15.7            | 6,455           | 20,938        | 28.6            | 30,165                               | 3,121         | 90.6            |
| 1861-1865.....               | 48,945    | 206,491   | 19.2            | 10,759          | 25,305        | 29.8            | 17,365                               | 10,140        | 47.6            |
| 1866-1870.....               | 27,828    | 380,467   | 6.8             | 9,910           | 37,904        | 20.7            | 4,443                                | 49,575        | 8.2             |
| 1871-1875.....               | 105,286   | 472,587   | 18.2            | 48,082          | 45,100        | 51.6            | 45,026                               | 36,576        | 55.2            |
| 1876-1880.....               | 154,683   | 377,887   | 31.4            | 60,902          | 30,450        | 66.7            | 74,806                               | 14,654        | 88.6            |
| 1881-1885.....               | 204,735   | 462,407   | 30.7            | 91,384          | 41,884        | 68.6            | 76,513                               | 22,864        | 77.0            |
| 1886-1890.....               | 242,521   | 474,710   | 33.8            | 104,961         | 57,475        | 64.6            | 90,085                               | 23,095        | 79.6            |
| 1891-1895.....               | 402,363   | 382,774   | 51.2            | 143,013         | 41,610        | 77.5            | 124,808                              | 21,702        | 85.2            |
| 1896-1900.....               | 342,125   | 399,394   | 46.1            | 177,040         | 40,868        | 81.3            | 88,369                               | 23,484        | 79.0            |
| 1901-1905.....               | 426,836   | 545,326   | 43.9            | 243,319         | 81,189        | 75.0            | 98,921                               | 26,723        | 78.7            |
| 1906-1910.....               | 614,825   | 730,013   | 45.7            | 348,061         | 116,749       | 74.9            | 120,233                              | 27,473        | 81.4            |
| 1911-1915.....               | 961,439   | 750,880   | 56.1            | 401,948         | 105,763       | 82.3            | 181,170                              | 37,856        | 82.7            |
| 1915-1920.....               | 2,258,008 | 1,099,747 | 67.3            | 1,195,598       | 152,074       | 88.7            | 849,026                              | 58,226        | 85.7            |
| 1921-1925.....               | 2,060,303 | 1,389,800 | 59.7            | 1,036,581       | 253,794       | 80.3            | 802,242                              | 80,297        | 79.0            |
| 1926-1930.....               | 2,597,197 | 1,430,271 | 64.4            | 1,228,971       | 255,182       | 82.8            | 407,546                              | 90,976        | 80.4            |
| 1931-1935.....               | 1,067,145 | 640,430   | 62.4            | 380,639         | 111,703       | 77.4            | 220,077                              | 44,532        | 83.2            |
| 1910-1914.....               | 905,706   | 788,078   | 53.6            | 477,331         | 117,626       | 80.2            | 164,554                              | 38,651        | 81.0            |
| 1915-1919.....               | 1,744,767 | 769,789   | 69.4            | 925,417         | 113,949       | 83.0            | 203,025                              | 40,033        | 84.8            |
| 1893.....                    | 444,544   | 421,857   | 51.8            | 165,928         | 50,697        | 76.6            | 106,769                              | 24,895        | 81.1            |
| 1894.....                    | 379,796   | 375,199   | 58.0            | 109,654         | 27,989        | 79.2            | 114,255                              | 19,654        | 85.7            |
| 1895.....                    | 863,234   | 368,786   | 49.6            | 150,464         | 31,073        | 83.4            | 120,847                              | 20,530        | 85.5            |
| 1896.....                    | 369,768   | 409,967   | 47.4            | 176,657         | 26,549        | 86.9            | 108,891                              | 21,111        | 83.8            |
| 1897.....                    | 381,938   | 382,792   | 49.9            | 182,775         | 17,998        | 91.0            | 108,089                              | 20,291        | 84.2            |
| 1898.....                    | 291,414   | 324,636   | 47.3            | 147,841         | 46,819        | 76.1            | 86,145                               | 17,840        | 82.8            |
| 1899.....                    | 300,280   | 896,888   | 3.1             | 168,663         | 44,643        | 79.1            | 69,948                               | 28,985        | 70.7            |
| 1900.....                    | 367,237   | 482,704   | 43.2            | 212,820         | 68,829        | 75.6            | 68,722                               | 29,194        | 70.2            |
| 1901.....                    | 339,009   | 483,563   | 41.3            | 191,155         | 63,009        | 75.2            | 80,961                               | 29,424        | 73.3            |
| 1902.....                    | 396,819   | 506,502   | 43.9            | 233,242         | 75,371        | 75.6            | 90,287                               | 29,093        | 75.1            |
| 1903.....                    | 420,181   | 599,638   | 41.6            | 249,270         | 87,112        | 74.1            | 86,022                               | 32,581        | 72.7            |
| 1904.....                    | 454,130   | 536,957   | 45.8            | 249,098         | 77,552        | 76.3            | 110,481                              | 21,742        | 83.6            |
| 1905.....                    | 517,442   | 600,071   | 46.3            | 292,921         | 102,905       | 71.6            | 126,254                              | 19,877        | 86.4            |
| 1906.....                    | 540,624   | 676,938   | 44.8            | 312,290         | 111,499       | 73.7            | 114,305                              | 20,010        | 85.1            |
| 1907.....                    | 644,030   | 790,391   | 44.9            | 306,164         | 121,564       | 75.1            | 126,047                              | 24,701        | 83.5            |
| 1908.....                    | 525,603   | 698,739   | 44.0            | 282,943         | 90,946        | 75.7            | 116,510                              | 29,068        | 80.0            |
| 1909.....                    | 699,567   | 712,363   | 45.7            | 334,957         | 125,944       | 72.7            | 131,621                              | 32,400        | 80.2            |
| 1910.....                    | 765,311   | 801,636   | 48.5            | 443,951         | 133,792       | 76.8            | 113,681                              | 31,095        | 78.5            |
| 1911.....                    | 776,972   | 750,254   | 50.9            | 409,671         | 115,145       | 78.1            | 147,262                              | 33,932        | 81.3            |
| 1912.....                    | 881,671   | 771,594   | 63.3            | 463,931         | 119,117       | 79.2            | 180,127                              | 50,231        | 78.2            |
| 1913.....                    | 987,524   | 825,484   | 54.5            | 519,103         | 130,834       | 79.9            | 179,829                              | 31,017        | 84.9            |
| 1914.....                    | 1,127,503 | 766,428   | 59.5            | 560,000         | 89,740        | 86.2            | 201,868                              | 46,080        | 81.4            |
| 1915.....                    | 1,033,527 | 640,643   | 61.7            | 517,034         | 74,428        | 87.4            | 196,763                              | 27,167        | 87.9            |
| 1915 (6 mos.).....           | 628,837   | 283,950   | 68.9            | 332,105         | 46,340        | 87.8            | 113,550                              | 16,849        | 87.1            |
| 1916.....                    | 1,611,887 | 779,748   | 67.4            | 922,045         | 107,312       | 89.0            | 216,570                              | 43,562        | 83.3            |
| 1917.....                    | 2,135,552 | 816,916   | 72.3            | 1,160,041       | 117,038       | 90.9            | 316,965                              | 68,759        | 82.2            |
| 1918.....                    | 2,230,363 | 800,860   | 73.6            | 1,082,337       | 140,860       | 86.6            | 283,635                              | 62,118        | 82.0            |
| 1919.....                    | 2,698,703 | 1,205,652 | 69.1            | 1,508,164       | 192,894       | 88.7            | 480,856                              | 64,444        | 88.2            |
| 1920.....                    | 3,117,010 | 2,161,471 | 59.1            | 1,551,570       | 231,964       | 87.0            | 513,117                              | 64,510        | 88.8            |
| 1921.....                    | 1,562,292 | 946,856   | 62.3            | 750,640         | 108,219       | 87.4            | 253,703                              | 46,477        | 84.5            |
| 1922.....                    | 1,871,917 | 1,240,880 | 60.1            | 963,150         | 216,744       | 81.6            | 246,600                              | 80,209        | 75.7            |
| 1923.....                    | 2,135,942 | 1,656,124 | 56.3            | 1,091,393       | 315,404       | 77.6            | 276,222                              | 83,810        | 76.9            |
| 1924.....                    | 2,080,096 | 1,529,867 | 57.6            | 977,635         | 280,621       | 77.7            | 335,741                              | 89,132        | 79.0            |
| 1925.....                    | 2,651,266 | 1,676,328 | 62.7            | 1,400,083       | 347,982       | 80.1            | 392,942                              | 101,868       | 79.4            |
| 1926.....                    | 2,853,411 | 1,677,477 | 64.4            | 1,483,772       | 308,620       | 82.8            | 438,594                              | 101,224       | 81.2            |
| 1927.....                    | 2,621,873 | 1,682,869 | 62.7            | 1,315,237       | 285,572       | 82.2            | 392,971                              | 111,715       | 77.9            |
| 1928.....                    | 2,616,239 | 1,475,205 | 63.9            | 1,222,411       | 244,323       | 83.3            | 431,587                              | 118,905       | 78.5            |
| 1929.....                    | 2,843,354 | 1,555,007 | 64.6            | 1,289,317       | 260,303       | 83.0            | 443,372                              | 95,188        | 82.4            |
| 1930.....                    | 2,061,110 | 1,009,798 | 67.0            | 834,120         | 168,041       | 83.2            | 331,179                              | 68,946        | 82.8            |
| 1931.....                    | 1,851,435 | 709,199   | 66.1            | 524,541         | 117,632       | 81.7            | 269,124                              | 35,704        | 88.3            |
| 1932.....                    | 879,043   | 454,731   | 66.5            | 285,731         | 71,694        | 80.0            | 207,438                              | 26,526        | 89.0            |
| 1933.....                    | 878,100   | 471,559   | 60.6            | 298,250         | 119,900       | 71.9            | 190,199                              | 21,614        | 89.8            |
| 1934.....                    | 991,161   | 644,842   | 60.6            | 345,395         | 115,222       | 75.0            | 206,404                              | 44,910        | 82.3            |
| 1935.....                    | 1,205,987 | 832,918   | 59.1            | 448,276         | 134,167       | 76.9            | 227,422                              | 94,905        | 70.5            |

¹ Includes beverages.

² Period July 1, 1915, to Dec. 31, 1920.

³ Fiscal years.

## AND PER CENT FREE, BY ECONOMIC CLASSES

cover fiscal years ended Sept. 30, 1821 to 1840, and June 30, 1850 to 1915; calendar thereafter, except as noted. free in general imports is normally slightly lower than in imports for consumption because relatively more in the period 1822-1893, there is an understatement of the free goods in general imports because, for 1922 to export were reported as dutiable when entered, although no duty was ultimately paid on these products.

| Manufactured foodstuffs <sup>1</sup> |             |                 | Semimanufactures |          |                 | Finished manufactures |          |                 | Year or<br>yearly aver-<br>age |
|--------------------------------------|-------------|-----------------|------------------|----------|-----------------|-----------------------|----------|-----------------|--------------------------------|
| Free                                 | Dutiable    | Percent<br>free | Free             | Dutiable | Percent<br>free | Free                  | Dutiable | Percent<br>free |                                |
| -----                                | 10, 821     | -----           | 488              | 3, 591   | 12.0            | 55                    | 30, 944  | 0.2             | 1821.                          |
| -----                                | 9, 664      | -----           | 1, 211           | 3, 942   | 23.5            | 31                    | 35, 703  | .1              | 1830.                          |
| 1, 021                               | 14, 168     | 6.7             | 4, 962           | 6, 394   | 43.7            | 17, 337               | 26, 963  | 39.1            | 1840.                          |
| -----                                | 21, 466     | -----           | 764              | 25, 399  | 2.9             | 911                   | 94, 401  | 1.0             | 1850.                          |
| 2, 426                               | 41, 477     | 5.5             | 3, 419           | 32, 140  | 9.6             | 2, 265                | 142, 067 | 1.6             | 1861-1860.                     |
| 4, 671                               | 39, 942     | 10.5            | 7, 980           | 26, 764  | 23.0            | 8, 173                | 95, 341  | 7.9             | 1861-1865.                     |
| 1, 847                               | 70, 534     | 2.3             | 6, 722           | 49, 910  | 11.9            | 4, 906                | 163, 543 | 2.9             | 1866-1870.                     |
| 371                                  | 115, 589    | .8              | 6, 255           | 72, 105  | 8.0             | 5, 552                | 203, 216 | 2.7             | 1871-1875.                     |
| 8, 244                               | 102, 621    | 8.1             | 9, 114           | 52, 204  | 14.9            | 6, 616                | 137, 957 | 4.6             | 1876-1880.                     |
| 9, 240                               | 118, 493    | 7.2             | 15, 209          | 76, 416  | 16.6            | 12, 389               | 202, 751 | 6.8             | 1881-1885.                     |
| 13, 684                              | 104, 500    | 11.6            | 19, 175          | 93, 870  | 17.0            | 14, 886               | 195, 709 | 7.0             | 1886-1890.                     |
| 02, 078                              | 48, 449     | 05.4            | 25, 614          | 87, 219  | 22.7            | 10, 261               | 138, 594 | 8.1             | 1891-1895.                     |
| 18, 950                              | 90, 173     | 18.0            | 34, 505          | 64, 440  | 34.9            | 22, 622               | 171, 429 | 11.6            | 1896-1900.                     |
| 3, 189                               | 117, 029    | 2.7             | 59, 943          | 101, 866 | 37.0            | 21, 465               | 218, 518 | 8.9             | 1901-1905.                     |
| 6, 498                               | 153, 100    | 3.5             | 102, 198         | 137, 379 | 42.7            | 38, 535               | 295, 253 | 11.6            | 1906-1910.                     |
| 25, 620                              | 189, 517    | 11.9            | 167, 863         | 129, 612 | 56.4            | 94, 832               | 238, 131 | 24.8            | 1911-1915.                     |
| 73, 142                              | 471, 407    | 13.4            | 424, 243         | 150, 177 | 73.9            | 215, 704              | 267, 862 | 44.6            | 1915-1920. <sup>2</sup>        |
| 50, 620                              | 391, 469    | 12.6            | 411, 802         | 197, 423 | 67.6            | 253, 088              | 466, 817 | 35.2            | 1921-1925.                     |
| 73, 706                              | 324, 603    | 18.5            | 543, 245         | 218, 789 | 71.3            | 343, 735              | 538, 650 | 39.0            | 1926-1930.                     |
| 72, 466                              | 104, 332    | 30.6            | 218, 078         | 101, 523 | 68.2            | 175, 245              | 218, 340 | 44.5            | 1931-1935.                     |
| 17, 200                              | 177, 022    | 8.9             | 180, 166         | 146, 902 | 52.2            | 76, 455               | 302, 877 | 22.2            | 1910-1914.                     |
| 50, 884                              | 206, 122    | 16.7            | 340, 677         | 102, 970 | 76.8            | 156, 464              | 207, 715 | 43.0            | 1915-1919. <sup>3</sup>        |
| 121, 858                             | 31, 881     | 79.3            | 33, 114          | 102, 495 | 24.4            | 10, 876               | 211, 889 | 7.4             | 1899.                          |
| 130, 454                             | 24, 805     | 84.0            | 15, 129          | 67, 765  | 18.3            | 13, 302               | 135, 496 | 8.9             | 1894.                          |
| 34, 343                              | 72, 683     | 32.1            | 29, 955          | 65, 531  | 31.0            | 21, 625               | 177, 919 | 10.8            | 1896.                          |
| 15, 903                              | 102, 902    | 13.4            | 37, 718          | 63, 353  | 37.3            | 30, 588               | 196, 051 | 13.5            | 1896.                          |
| 17, 082                              | 112, 103    | 13.2            | 39, 566          | 45, 925  | 44.7            | 34, 427               | 153, 417 | 15.8            | 1897.                          |
| 18, 874                              | 67, 217     | 21.9            | 23, 739          | 55, 550  | 29.9            | 15, 316               | 137, 709 | 10.0            | 1898.                          |
| 19, 788                              | 103, 065    | 16.0            | 26, 223          | 55, 728  | 28.5            | 15, 670               | 163, 847 | 9.2             | 1899.                          |
| 23, 110                              | 100, 918    | 17.4            | 45, 578          | 88, 044  | 34.0            | 17, 007               | 186, 119 | 8.4             | 1900.                          |
| 2, 817                               | 122, 724    | 2.2             | 44, 700          | 32, 877  | 35.0            | 19, 976               | 185, 530 | 9.7             | 1901.                          |
| 3, 908                               | 92, 283     | 3.2             | 51, 138          | 96, 519  | 34.6            | 19, 034               | 212, 336 | 8.2             | 1902.                          |
| 3, 417                               | 113, 203    | 2.9             | 67, 258          | 128, 493 | 34.4            | 19, 609               | 238, 149 | 7.6             | 1903.                          |
| 3, 328                               | 114, 895    | 2.8             | 65, 558          | 94, 676  | 40.9            | 24, 765               | 228, 092 | 9.8             | 1904.                          |
| 8, 817                               | 142, 039    | 2.3             | 71, 001          | 106, 767 | 40.0            | 23, 890               | 228, 482 | 9.5             | 1905.                          |
| 3, 340                               | 137, 000    | 2.4             | 91, 172          | 120, 126 | 41.4            | 28, 508               | 279, 294 | 9.3             | 1906.                          |
| 4, 406                               | 154, 551    | 2.6             | 116, 722         | 157, 374 | 42.6            | 31, 992               | 332, 201 | 8.8             | 1907.                          |
| 5, 469                               | 141, 540    | 3.7             | 84, 721          | 111, 528 | 43.2            | 36, 961               | 295, 657 | 10.8            | 1908.                          |
| 5, 177                               | 160, 624    | 3.1             | 95, 079          | 127, 023 | 42.6            | 32, 723               | 266, 354 | 10.9            | 1909.                          |
| 9, 991                               | 172, 176    | 5.2             | 123, 295         | 161, 843 | 43.2            | 64, 993               | 302, 730 | 17.7            | 1910.                          |
| 12, 339                              | 159, 668    | 7.2             | 142, 773         | 145, 013 | 49.6            | 64, 828               | 296, 495 | 18.0            | 1911.                          |
| 16, 029                              | 179, 471    | 8.5             | 153, 258         | 140, 481 | 52.2            | 77, 725               | 282, 294 | 21.6            | 1912.                          |
| 10, 880                              | 183, 354    | 5.6             | 180, 580         | 168, 822 | 51.7            | 97, 122               | 311, 057 | 23.8            | 1913.                          |
| 37, 202                              | 190, 443    | 16.3            | 200, 925         | 118, 350 | 62.9            | 127, 508              | 321, 810 | 28.4            | 1914.                          |
| 51, 073                              | 234, 652    | 17.9            | 161, 781         | 75, 396  | 68.2            | 106, 876              | 220, 001 | 81.8            | 1915.                          |
| 20, 082                              | 93, 359     | 17.7            | 103, 717         | 40, 035  | 72.2            | 59, 383               | 87, 367  | 40.5            | 1915 (6 mos.)                  |
| 37, 401                              | 301, 306    | 11.0            | 299, 265         | 118, 595 | 71.6            | 136, 606              | 208, 972 | 39.5            | 1916.                          |
| 59, 255                              | 292, 298    | 16.9            | 422, 021         | 114, 642 | 78.8            | 168, 270              | 224, 178 | 42.9            | 1917.                          |
| 91, 724                              | 305, 046    | 23.1            | 561, 448         | 88, 137  | 86.4            | 200, 809              | 204, 099 | 49.6            | 1918.                          |
| 69, 504                              | 486, 304    | 12.5            | 399, 579         | 206, 418 | 65.6            | 240, 601              | 252, 002 | 48.8            | 1919.                          |
| 124, 314                             | 1, 113, 825 | 10.0            | 547, 308         | 255, 149 | 68.2            | 380, 702              | 496, 023 | 43.4            | 1920.                          |
| 53, 604                              | 314, 707    | 14.6            | 236, 458         | 125, 289 | 65.4            | 267, 587              | 352, 164 | 43.2            | 1921.                          |
| 43, 115                              | 344, 304    | 11.1            | 370, 871         | 181, 806 | 67.1            | 245, 181              | 417, 767 | 37.0            | 1922. <sup>4</sup>             |
| 52, 104                              | 478, 044    | 9.8             | 471, 775         | 248, 954 | 65.5            | 241, 388              | 529, 912 | 31.3            | 1923. <sup>4</sup>             |
| 62, 044                              | 459, 556    | 11.9            | 462, 898         | 192, 989 | 70.6            | 241, 778              | 507, 568 | 32.3            | 1924. <sup>4</sup>             |
| 72, 171                              | 360, 735    | 16.7            | 517, 010         | 238, 075 | 68.5            | 269, 080              | 526, 673 | 33.8            | 1925. <sup>4</sup>             |
| 57, 192                              | 360, 625    | 13.7            | 568, 379         | 235, 954 | 70.7            | 305, 481              | 571, 147 | 34.8            | 1926. <sup>4</sup>             |
| 75, 698                              | 375, 151    | 16.8            | 527, 187         | 222, 614 | 70.3            | 310, 780              | 567, 817 | 35.4            | 1927. <sup>4</sup>             |
| 75, 115                              | 330, 609    | 18.5            | 541, 456         | 221, 375 | 71.0            | 345, 671              | 560, 502 | 38.1            | 1928. <sup>4</sup>             |
| 82, 375                              | 341, 247    | 19.4            | 630, 586         | 254, 465 | 71.2            | 397, 704              | 555, 804 | 40.0            | 1929. <sup>4</sup>             |
| 78, 153                              | 215, 265    | 26.6            | 448, 618         | 169, 536 | 73.8            | 369, 041              | 397, 881 | 47.4            | 1930. <sup>4</sup>             |
| 64, 100                              | 158, 207    | 28.8            | 267, 640         | 104, 394 | 71.9            | 256, 012              | 393, 263 | 46.6            | 1931. <sup>4</sup>             |
| 66, 646                              | 107, 237    | 38.3            | 147, 963         | 69, 004  | 68.2            | 170, 271              | 170, 320 | 50.0            | 1932. <sup>4</sup>             |
| 78, 492                              | 126, 878    | 38.2            | 177, 980         | 114, 018 | 61.0            | 133, 170              | 189, 051 | 41.3            | 1933. <sup>4</sup>             |
| 78, 708                              | 154, 764    | 26.9            | 212, 145         | 95, 157  | 69.0            | 145, 424              | 204, 799 | 41.5            | 1934.                          |
| 74, 296                              | 244, 533    | 23.3            | 284, 644         | 125, 046 | 69.4            | 171, 349              | 234, 268 | 42.2            | 1935.                          |

<sup>1</sup> See headnote regarding the understatement of the value of free goods.



# No. 509.—PERCENTAGE DISTRIBUTION OF EXPORTS AND IMPORTS OF MERCHANDISE, BY ECONOMIC CLASSES

NOTE.—Percentages are based on figures shown in table 507

| Year or yearly average | Percent of total exports of United States merchandise |                   |                                       |                   |                       | Percent of total general imports |                   |                                       |                   |                       |
|------------------------|-------------------------------------------------------|-------------------|---------------------------------------|-------------------|-----------------------|----------------------------------|-------------------|---------------------------------------|-------------------|-----------------------|
|                        | Crude materials                                       | Crude food-stuffs | Manufactured food-stuffs <sup>1</sup> | Semi-manufactures | Finished manufactures | Crude materials                  | Crude food-stuffs | Manufactured food-stuffs <sup>1</sup> | Semi-manufactures | Finished manufactures |
| 1821                   | 60.62                                                 | 4.79              | 19.51                                 | 9.42              | 5.66                  | 4.68                             | 11.15             | 19.85                                 | 7.48              | 56.86                 |
| 1830                   | 62.65                                                 | 4.65              | 16.32                                 | 7.04              | 9.34                  | 7.65                             | 11.77             | 15.39                                 | 8.22              | 56.07                 |
| 1840                   | 67.83                                                 | 4.09              | 14.27                                 | 4.34              | 9.47                  | 12.36                            | 15.54             | 15.46                                 | 11.66             | 45.09                 |
| 1850                   | 62.36                                                 | 5.59              | 14.84                                 | 4.49              | 12.72                 | 7.24                             | 10.38             | 12.37                                 | 16.08             | 54.93                 |
| 1851-1860              | 61.67                                                 | 6.61              | 15.89                                 | 4.01              | 12.82                 | 9.68                             | 11.70             | 15.48                                 | 12.50             | 50.74                 |
| 1861-1865              | 19.97                                                 | 22.13             | 34.42                                 | 5.69              | 17.78                 | 14.12                            | 14.29             | 17.47                                 | 18.60             | 40.52                 |
| 1866-1870              | 57.62                                                 | 9.05              | 13.75                                 | 4.68              | 14.89                 | 11.71                            | 13.23             | 19.93                                 | 13.87             | 41.26                 |
| 1871-1875              | 44.94                                                 | 15.47             | 19.59                                 | 4.67              | 15.33                 | 16.12                            | 14.12             | 20.07                                 | 13.56             | 36.13                 |
| 1876-1880              | 32.24                                                 | 23.93             | 24.39                                 | 4.55              | 14.87                 | 18.55                            | 18.16             | 21.49                                 | 12.45             | 29.36                 |
| 1881-1885              | 33.78                                                 | 21.00             | 25.50                                 | 4.78              | 14.94                 | 19.98                            | 14.90             | 19.15                                 | 13.73             | 32.25                 |
| 1886-1890              | 38.13                                                 | 14.98             | 25.01                                 | 5.52              | 16.36                 | 22.65                            | 15.77             | 16.49                                 | 16.76             | 28.33                 |
| 1891-1895              | 33.67                                                 | 17.21             | 27.22                                 | 6.32              | 15.57                 | 23.59                            | 18.66             | 17.92                                 | 14.37             | 25.46                 |
| 1896-1900              | 26.11                                                 | 18.90             | 24.01                                 | 9.64              | 21.38                 | 26.47                            | 15.08             | 16.93                                 | 13.85             | 26.17                 |
| 1901-1905              | 30.27                                                 | 12.19             | 22.16                                 | 11.30             | 24.07                 | 33.38                            | 12.92             | 12.36                                 | 16.65             | 24.09                 |
| 1906-1910              | 31.68                                                 | 8.90              | 18.12                                 | 14.23             | 27.07                 | 34.56                            | 10.98             | 11.80                                 | 17.82             | 24.84                 |
| 1911-1915              | 30.74                                                 | 8.83              | 14.32                                 | 15.41             | 30.70                 | 34.91                            | 12.80             | 12.56                                 | 17.37             | 22.96                 |
| 1915-1920 <sup>2</sup> | 18.22                                                 | 9.16              | 17.66                                 | 15.39             | 39.58                 | 40.13                            | 12.15             | 16.21                                 | 17.10             | 14.40                 |
| 1921-1925              | 27.54                                                 | 9.74              | 13.93                                 | 12.45             | 36.33                 | 37.40                            | 11.09             | 12.90                                 | 17.66             | 20.86                 |
| 1926-1930              | 24.40                                                 | 6.40              | 9.72                                  | 14.14             | 45.35                 | 38.80                            | 12.50             | 9.88                                  | 18.89             | 21.88                 |
| 1931-1935              | 30.23                                                 | 3.56              | 8.83                                  | 14.61             | 42.57                 | 28.91                            | 15.61             | 13.73                                 | 18.72             | 23.03                 |
| 1910-1914              | 33.48                                                 | 5.94              | 13.84                                 | 16.03             | 30.71                 | 35.23                            | 12.03             | 11.50                                 | 18.18             | 23.05                 |
| 1915-1919 <sup>3</sup> | 16.13                                                 | 9.62              | 18.00                                 | 16.67             | 39.47                 | 41.33                            | 12.43             | 14.14                                 | 17.04             | 14.50                 |
| 1893                   | 30.28                                                 | 18.43             | 29.73                                 | 5.94              | 15.63                 | 25.00                            | 15.19             | 17.75                                 | 15.05             | 26.40                 |
| 1894                   | 32.60                                                 | 15.30             | 28.77                                 | 7.72              | 15.61                 | 20.56                            | 20.35             | 23.72                                 | 12.05             | 22.72                 |
| 1895                   | 33.94                                                 | 12.50             | 27.61                                 | 7.85              | 18.10                 | 25.62                            | 19.31             | 14.63                                 | 13.18             | 27.20                 |
| 1896                   | 29.80                                                 | 14.90             | 25.41                                 | 8.85              | 21.04                 | 26.06                            | 16.67             | 15.24                                 | 12.96             | 29.07                 |
| 1897                   | 29.49                                                 | 17.58             | 22.79                                 | 9.62              | 20.63                 | 20.25                            | 16.79             | 16.90                                 | 11.57             | 28.48                 |
| 1898                   | 24.44                                                 | 25.21             | 23.54                                 | 8.43              | 18.35                 | 31.44                            | 16.88             | 13.97                                 | 12.88             | 24.40                 |
| 1899                   | 23.75                                                 | 19.35             | 25.51                                 | 9.78              | 21.81                 | 30.60                            | 14.19             | 17.71                                 | 13.19             | 24.32                 |
| 1900                   | 24.81                                                 | 16.48             | 23.32                                 | 11.18             | 24.20                 | 33.14                            | 11.52             | 15.65                                 | 15.79             | 23.90                 |
| 1901                   | 28.17                                                 | 16.33             | 23.09                                 | 10.16             | 21.76                 | 30.88                            | 13.43             | 15.25                                 | 15.49             | 24.96                 |
| 1902                   | 28.60                                                 | 13.63             | 24.26                                 | 9.75              | 23.75                 | 34.16                            | 13.31             | 10.56                                 | 16.34             | 25.62                 |
| 1903                   | 29.85                                                 | 13.31             | 23.22                                 | 10.10             | 23.52                 | 32.80                            | 11.62             | 11.37                                 | 19.08             | 25.13                 |
| 1904                   | 32.54                                                 | 9.46              | 21.62                                 | 12.19             | 24.30                 | 33.05                            | 13.34             | 11.93                                 | 16.17             | 25.51                 |
| 1905                   | 32.08                                                 | 7.92              | 18.97                                 | 14.07             | 26.96                 | 35.42                            | 13.08             | 13.01                                 | 15.91             | 22.58                 |
| 1906                   | 29.53                                                 | 10.32             | 20.22                                 | 13.17             | 20.76                 | 34.55                            | 10.95             | 11.44                                 | 17.98             | 25.10                 |
| 1907                   | 32.40                                                 | 9.03              | 18.65                                 | 14.00             | 25.93                 | 34.00                            | 10.44             | 11.06                                 | 19.11             | 25.39                 |
| 1908                   | 30.70                                                 | 10.30             | 18.10                                 | 14.23             | 26.68                 | 31.31                            | 12.19             | 12.31                                 | 16.43             | 27.77                 |
| 1909                   | 32.27                                                 | 8.28              | 18.47                                 | 14.11             | 26.87                 | 35.13                            | 12.51             | 12.63                                 | 16.94             | 22.80                 |
| 1910                   | 33.57                                                 | 6.42              | 15.16                                 | 15.66             | 29.19                 | 37.11                            | 9.30              | 11.66                                 | 18.31             | 23.62                 |
| 1911                   | 35.79                                                 | 5.13              | 14.01                                 | 15.35             | 29.72                 | 34.36                            | 11.87             | 11.26                                 | 18.84             | 23.67                 |
| 1912                   | 33.69                                                 | 4.60              | 14.69                                 | 16.04             | 32.98                 | 34.66                            | 13.93             | 11.86                                 | 17.77             | 21.78                 |
| 1913                   | 30.48                                                 | 7.49              | 13.23                                 | 15.83             | 31.97                 | 35.82                            | 11.68             | 10.72                                 | 19.27             | 22.51                 |
| 1914                   | 34.33                                                 | 5.90              | 12.59                                 | 16.06             | 31.11                 | 34.31                            | 13.09             | 12.02                                 | 16.86             | 23.72                 |
| 1915                   | 21.77                                                 | 18.66             | 16.74                                 | 13.10             | 29.73                 | 35.33                            | 13.38             | 17.07                                 | 14.17             | 20.04                 |
| 1915 (6 mos.)          | 16.66                                                 | 8.67              | 16.08                                 | 14.72             | 43.87                 | 41.46                            | 14.29             | 12.43                                 | 15.75             | 16.08                 |
| 1916                   | 15.04                                                 | 7.76              | 11.95                                 | 16.82             | 48.43                 | 43.04                            | 10.88             | 14.16                                 | 17.47             | 14.46                 |
| 1917                   | 13.50                                                 | 8.28              | 13.08                                 | 21.39             | 43.77                 | 43.56                            | 13.07             | 11.90                                 | 18.18             | 13.28                 |
| 1918                   | 16.07                                                 | 9.05              | 23.25                                 | 17.41             | 34.22                 | 40.70                            | 11.41             | 13.12                                 | 21.43             | 13.34                 |
| 1919                   | 20.94                                                 | 8.75              | 25.32                                 | 11.90             | 33.08                 | 43.57                            | 13.97             | 14.23                                 | 15.60             | 12.64                 |
| 1920                   | 23.30                                                 | 11.36             | 13.82                                 | 11.86             | 39.66                 | 33.79                            | 10.94             | 23.46                                 | 15.20             | 16.61                 |
| 1921                   | 22.46                                                 | 15.38             | 15.66                                 | 9.38              | 37.12                 | 34.23                            | 11.96             | 14.68                                 | 14.41             | 24.71                 |
| 1922                   | 26.25                                                 | 12.18             | 15.62                                 | 11.63             | 34.32                 | 37.91                            | 10.50             | 12.44                                 | 17.76             | 21.30                 |
| 1923                   | 29.54                                                 | 6.29              | 14.26                                 | 13.78             | 36.12                 | 37.10                            | 9.58              | 13.98                                 | 10.00             | 20.34                 |
| 1924                   | 20.63                                                 | 8.73              | 12.75                                 | 13.57             | 35.32                 | 34.86                            | 11.77             | 14.45                                 | 18.17             | 20.78                 |
| 1925                   | 29.51                                                 | 6.80              | 11.90                                 | 13.73             | 38.26                 | 41.36                            | 11.71             | 10.24                                 | 17.87             | 18.83                 |
| 1926                   | 26.77                                                 | 7.11              | 10.87                                 | 13.91             | 41.54                 | 40.47                            | 12.18             | 9.42                                  | 18.15             | 19.78                 |
| 1927                   | 25.07                                                 | 8.85              | 9.74                                  | 14.70             | 41.64                 | 38.25                            | 12.06             | 10.77                                 | 17.92             | 21.00                 |
| 1928                   | 25.71                                                 | 5.86              | 9.26                                  | 14.24             | 44.93                 | 35.85                            | 13.44             | 9.91                                  | 18.65             | 22.16                 |
| 1929                   | 22.15                                                 | 6.23              | 9.40                                  | 14.13             | 49.09                 | 35.43                            | 12.24             | 9.63                                  | 20.12             | 22.58                 |
| 1930                   | 21.98                                                 | 4.72              | 9.69                                  | 13.56             | 50.20                 | 32.74                            | 13.07             | 9.69                                  | 10.87             | 24.73                 |
| 1931                   | 23.83                                                 | 5.34              | 10.38                                 | 13.35             | 47.10                 | 30.72                            | 14.58             | 10.63                                 | 17.80             | 26.27                 |
| 1932                   | 32.60                                                 | 5.67              | 9.65                                  | 12.48             | 39.60                 | 27.09                            | 17.61             | 13.15                                 | 16.40             | 25.75                 |
| 1933                   | 35.85                                                 | 2.94              | 9.38                                  | 14.39             | 37.44                 | 28.85                            | 14.61             | 14.17                                 | 20.14             | 22.23                 |
| 1933 <sup>4</sup>      |                                                       |                   |                                       |                   |                       | 29.28                            | 15.04             | 13.54                                 | 20.21             | 23.13                 |
| 1934                   | 31.08                                                 | 2.81              | 7.98                                  | 16.28             | 41.85                 | 28.16                            | 15.54             | 16.11                                 | 18.73             | 21.41                 |
| 1935                   | 30.45                                                 | 2.62              | 7.01                                  | 15.60             | 44.33                 | 28.57                            | 15.81             | 15.64                                 | 20.09             | 19.80                 |

<sup>1</sup> Includes beverages.

<sup>2</sup> Period July 1, 1915, to Dec. 31, 1920.

<sup>3</sup> Fiscal years.

<sup>4</sup> Imports for consumption; see headnote, table 507.

## No. 510.—FOREIGN TRADE WITH EACH CONTINENT, BY ECONOMIC CLASSES

NOTE.—Values in millions and tenths of millions of dollars. "Manufactured foodstuffs" includes beverages

|                                        | 1921-<br>1925,<br>average | 1926-<br>1930,<br>average | 1931               | 1932               | 1933               | 1934               | 1935               |                  |                  |
|----------------------------------------|---------------------------|---------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|------------------|
|                                        |                           |                           |                    |                    |                    |                    | Total              | Agricultural     | Non-agricultural |
| <b>Exports, U. S. Merchandise.....</b> | <b>4,310.2</b>            | <b>4,687.8</b>            | <b>2,378.0</b>     | <b>1,576.2</b>     | <b>1,647.2</b>     | <b>2,100.1</b>     | <b>2,243.1</b>     | <b>747.7</b>     | <b>1,495.4</b>   |
| North America <sup>1</sup> .....       | 1,029.8                   | 1,177.0                   | 569.0              | 350.2              | 326.1              | 467.5              | 513.4              | 78.0             | 435.4            |
| Crude materials.....                   | 165.9                     | 176.6                     | 102.3              | 76.3               | 76.0               | 109.7              | 111.1              | 25.1             | 86.0             |
| Crude foodstuffs <sup>1</sup> .....    | 127.8                     | 115.1                     | 35.9               | 18.5               | 15.1               | 18.5               | 19.1               | 18.9             | 1.2              |
| Manufactured foodstuffs.....           | 112.7                     | 100.2                     | 47.7               | 28.3               | 25.8               | 33.0               | 33.9               | 31.8             | 2.2              |
| Semimanufactures.....                  | 122.6                     | 161.8                     | 80.4               | 50.1               | 52.5               | 73.9               | 75.0               | 1.3              | 73.7             |
| Finished manufactures.....             | 500.3                     | 623.3                     | 302.7              | 176.9              | 156.7              | 232.4              | 274.2              | 3.0              | 273.4            |
| South America.....                     | 294.1                     | 445.4                     | 157.5              | 96.0               | 113.3              | 180.7              | 173.1              | 9.5              | 163.6            |
| Crude materials.....                   | 7.9                       | 7.1                       | 3.3                | 2.1                | 2.5                | 4.0                | 4.8                | 2.3              | 2.6              |
| Crude foodstuffs.....                  | 4.0                       | 7.8                       | 5.6                | 11.2               | 2.0                | 1.2                | 1.4                | 1.3              | ( <sup>2</sup> ) |
| Manufactured foodstuffs.....           | 21.9                      | 29.3                      | 10.7               | 4.7                | 4.9                | 5.8                | 6.2                | 5.6              | .6               |
| Semimanufactures.....                  | 46.1                      | 65.8                      | 25.3               | 14.0               | 18.8               | 26.1               | 25.9               | .1               | 25.8             |
| Finished manufactures.....             | 214.3                     | 335.4                     | 112.6              | 63.9               | 85.0               | 123.6              | 134.8              | .2               | 134.6            |
| Europe <sup>1</sup> .....              | 2,279.5                   | 2,208.6                   | 1,166.2            | 768.7              | 838.9              | 938.3              | 1,010.6            | 510.2            | 500.4            |
| Crude materials.....                   | 573.5                     | 573.5                     | 296.9              | 293.1              | 360.2              | 371.0              | 420.0              | 382.2            | 37.7             |
| Crude foodstuffs <sup>1</sup> .....    | 276.4                     | 164.5                     | 75.4               | 56.1               | 26.6               | 26.8               | 34.7               | 33.9             | 8.6              |
| Manufactured foodstuffs.....           | 419.6                     | 276.9                     | 180.4              | 101.3              | 110.2              | 110.9              | 99.6               | 90.9             | 8.6              |
| Semimanufactures.....                  | 263.7                     | 318.7                     | 156.5              | 93.2               | 112.3              | 153.6              | 157.1              | .9               | 156.2            |
| Finished manufactures.....             | 446.3                     | 673.4                     | 476.9              | 223.0              | 209.6              | 273.1              | 299.3              | 2.3              | 297.1            |
| Asia.....                              | <sup>3</sup> 637.7        | <sup>3</sup> 572.7        | <sup>3</sup> 384.2 | <sup>3</sup> 290.9 | <sup>3</sup> 291.1 | <sup>3</sup> 400.1 | <sup>3</sup> 376.5 | 134.2            | 242.3            |
| Crude materials.....                   | <sup>3</sup> 135.0        | <sup>3</sup> 172.3        | <sup>3</sup> 157.8 | <sup>3</sup> 137.2 | <sup>3</sup> 127.1 | <sup>3</sup> 160.4 | <sup>3</sup> 136.6 | 120.8            | 15.8             |
| Crude foodstuffs.....                  | <sup>3</sup> 13.9         | <sup>3</sup> 11.2         | <sup>3</sup> 9.3   | <sup>3</sup> 2.3   | <sup>3</sup> 4.3   | <sup>3</sup> 0.0   | <sup>3</sup> 2.9   | 2.0              | ( <sup>2</sup> ) |
| Manufactured foodstuffs.....           | <sup>3</sup> 36.7         | <sup>3</sup> 37.7         | <sup>3</sup> 23.2  | <sup>3</sup> 14.8  | <sup>3</sup> 10.0  | <sup>3</sup> 12.5  | <sup>3</sup> 11.7  | 9.8              | 2.0              |
| Semimanufactures.....                  | <sup>3</sup> 96.4         | <sup>3</sup> 89.7         | <sup>3</sup> 45.8  | <sup>3</sup> 31.2  | <sup>3</sup> 44.5  | <sup>3</sup> 74.4  | <sup>3</sup> 75.8  | .2               | 76.6             |
| Finished manufactures.....             | <sup>3</sup> 355.6        | <sup>3</sup> 261.0        | <sup>3</sup> 148.1 | <sup>3</sup> 104.4 | <sup>3</sup> 105.3 | <sup>3</sup> 143.7 | <sup>3</sup> 149.5 | .5               | 148.9            |
| Oceania.....                           | 176.8                     | 41.3                      | 36.5               | 34.9               | 56.9               | 73.5               | 9.5                | 63.7             | .4               |
| Crude materials.....                   | 9.3                       | 3.7                       | 2.4                | 2.4                | 5.6                | 7.6                | 7.2                | .4               | ( <sup>2</sup> ) |
| Crude foodstuffs.....                  | .7                        | .4                        | .1                 | .2                 | .3                 | .4                 | .4                 | .3               | .3               |
| Manufactured foodstuffs.....           | 4.6                       | 1.3                       | 1.1                | 1.3                | 1.9                | 2.3                | 2.0                | .1               | 8.0              |
| Semimanufactures.....                  | 19.0                      | 5.0                       | 5.4                | 4.8                | 6.8                | 8.1                | .1                 | .2               | 55.0             |
| Finished manufactures.....             | 143.2                     | 31.1                      | 27.5               | 26.2               | 42.3               | 55.2               | .2                 | .2               | 90.0             |
| Africa.....                            | 69.8                      | 109.4                     | 59.7               | 34.9               | 42.8               | 76.7               | 96.1               | 8.0              | .2               |
| Crude materials.....                   | 6.4                       | 5.4                       | 2.8                | 2.6                | 2.4                | 2.1                | 2.8                | 2.6              | .6               |
| Crude foodstuffs.....                  | 1.7                       | .6                        | .4                 | .1                 | .1                 | .3                 | .3                 | .3               | ( <sup>2</sup> ) |
| Manufactured foodstuffs.....           | 6.8                       | 7.1                       | 3.6                | 2.0                | 2.4                | 3.5                | 3.6                | 3.0              | 8.0              |
| Semimanufactures.....                  | 5.7                       | 7.6                       | 4.6                | 2.8                | 4.1                | 7.0                | 8.0                | ( <sup>3</sup> ) | 81.3             |
| Finished manufactures.....             | 49.0                      | 88.6                      | 48.4               | 28.4               | 33.8               | 63.8               | 81.3               | .3               | 933.1            |
| <b>Imports<sup>4</sup>.....</b>        | <b>3,450.1</b>            | <b>4,033.5</b>            | <b>2,090.6</b>     | <b>1,322.8</b>     | <b>1,449.6</b>     | <b>1,636.0</b>     | <b>2,038.9</b>     | <b>1,106.8</b>   | <b>933.1</b>     |
| North America.....                     | 910.9                     | 940.2                     | 517.0              | 338.5              | 317.8              | 391.0              | 501.9              | 243.2            | 253.8            |
| Crude materials.....                   | 206.0                     | 180.2                     | 75.6               | 42.6               | 43.1               | 45.1               | 57.5               | 24.7             | 32.9             |
| Crude foodstuffs.....                  | 113.4                     | 144.5                     | 83.4               | 59.4               | 54.7               | 74.0               | 108.3              | 90.3             | 9.0              |
| Manufactured foodstuffs.....           | 292.3                     | 202.8                     | 81.9               | 53.0               | 63.3               | 97.1               | 127.0              | 123.3            | 3.6              |
| Semimanufactures.....                  | 142.4                     | 184.1                     | 97.0               | 50.5               | 64.7               | 74.5               | 93.9               | .6               | 93.2             |
| Finished manufactures.....             | 166.8                     | 228.6                     | 179.2              | 124.1              | 92.0               | 100.3              | 115.2              | .3               | 114.9            |
| South America.....                     | 421.3                     | 545.8                     | 307.2              | 200.9              | 202.3              | 227.0              | 273.8              | 218.6            | 60.2             |
| Crude materials.....                   | 131.6                     | 170.6                     | 79.7               | 47.0               | 57.8               | 59.4               | 83.1               | 52.5             | 30.6             |
| Crude foodstuffs.....                  | 197.7                     | 272.6                     | 168.8              | 132.9              | 121.3              | 130.7              | 154.3              | 154.3            | ( <sup>2</sup> ) |
| Manufactured foodstuffs.....           | 8.7                       | 13.1                      | 7.2                | 4.1                | 6.4                | 6.9                | 10.8               | 10.8             | .9               |
| Semimanufactures.....                  | 78.1                      | 84.6                      | 45.5               | 14.4               | 14.6               | 25.6               | 28.8               | .9               | 27.9             |
| Finished manufactures.....             | 5.3                       | 5.0                       | 5.9                | 2.5                | 2.1                | 4.3                | 1.8                | .1               | 1.7              |
| Europe.....                            | 1,049.6                   | 1,210.5                   | 640.1              | 389.0              | 402.2              | 481.2              | 590.8              | 166.1            | 425.6            |
| Crude materials.....                   | 253.9                     | 256.5                     | 126.9              | 69.4               | 87.7               | 84.8               | 104.7              | 50.6             | 54.3             |
| Crude foodstuffs.....                  | 27.7                      | 34.1                      | 20.6               | 11.3               | 10.0               | 16.6               | 20.0               | 20.5             | .4               |
| Manufactured foodstuffs.....           | 79.7                      | 94.5                      | 59.1               | 44.0               | 49.6               | 73.4               | 91.3               | 82.7             | 8.6              |
| Semimanufactures.....                  | 263.5                     | 325.3                     | 149.9              | 101.7              | 145.5              | 133.8              | 172.3              | 8.8              | 163.6            |
| Finished manufactures.....             | 424.6                     | 500.1                     | 283.6              | 162.6              | 169.4              | 172.6              | 201.5              | 2.8              | 198.8            |
| Asia.....                              | <sup>3</sup> 996.9        | <sup>3</sup> 1,192.6      | <sup>3</sup> 674.3 | <sup>3</sup> 392.6 | <sup>3</sup> 425.9 | <sup>3</sup> 489.3 | <sup>3</sup> 600.1 | 426.8            | 173.4            |
| Crude materials.....                   | <sup>3</sup> 655.3        | <sup>3</sup> 785.4        | <sup>3</sup> 329.6 | <sup>3</sup> 154.0 | <sup>3</sup> 205.2 | <sup>3</sup> 243.7 | <sup>3</sup> 297.8 | 278.9            | 18.8             |
| Crude foodstuffs.....                  | <sup>3</sup> 34.0         | <sup>3</sup> 37.7         | <sup>3</sup> 23.8  | <sup>3</sup> 20.0  | <sup>3</sup> 17.1  | <sup>3</sup> 23.0  | <sup>3</sup> 24.9  | 23.9             | 1.0              |
| Manufactured foodstuffs.....           | <sup>3</sup> 66.9         | <sup>3</sup> 81.6         | <sup>3</sup> 71.7  | <sup>3</sup> 71.7  | <sup>3</sup> 84.4  | <sup>3</sup> 82.6  | <sup>3</sup> 83.8  | 78.8             | 5.1              |
| Semimanufactures.....                  | <sup>3</sup> 108.7        | <sup>3</sup> 142.0        | <sup>3</sup> 70.9  | <sup>3</sup> 36.8  | <sup>3</sup> 61.5  | <sup>3</sup> 68.0  | <sup>3</sup> 108.0 | 43.9             | 84.1             |
| Finished manufactures.....             | <sup>3</sup> 131.0        | <sup>3</sup> 145.9        | <sup>3</sup> 78.4  | <sup>3</sup> 49.9  | <sup>3</sup> 57.7  | <sup>3</sup> 72.0  | <sup>3</sup> 85.6  | 1.2              | 84.3             |
| Oceania.....                           | 53.1                      | 19.1                      | 7.7                | 7.7                | 13.2               | 14.4               | 25.9               | 15.2             | 10.8             |
| Crude materials.....                   | 44.3                      | 14.8                      | 5.7                | 10.8               | 10.7               | 10.7               | 20.4               | 10.4             | 9.9              |
| Crude foodstuffs.....                  | .3                        | .2                        | .1                 | .1                 | .1                 | .1                 | .1                 | .1               | ( <sup>2</sup> ) |
| Manufactured foodstuffs.....           | 5.6                       | 2.2                       | .9                 | 1.4                | 3.1                | 4.6                | 4.6                | .2               | .2               |
| Semimanufactures.....                  | 1.7                       | .6                        | .3                 | .3                 | .1                 | .2                 | ( <sup>3</sup> )   | .1               | .6               |
| Finished manufactures.....             | 1.2                       | 1.3                       | .7                 | .6                 | .4                 | .6                 | .1                 | .1               | 9.5              |
| Africa.....                            | 71.6                      | 91.2                      | 32.9               | 24.2               | 28.9               | 33.1               | 41.4               | 31.8             | 7.7              |
| Crude materials.....                   | 46.2                      | 47.2                      | 15.6               | 9.7                | 13.5               | 16.9               | 18.9               | 11.2             | ( <sup>2</sup> ) |
| Crude foodstuffs.....                  | 10.5                      | 17.5                      | 7.9                | 9.3                | 8.5                | 9.8                | 13.9               | 13.9             | ( <sup>3</sup> ) |
| Manufactured foodstuffs.....           | .6                        | .6                        | .4                 | .3                 | .2                 | .4                 | 1.3                | 1.4              | 1.3              |
| Semimanufactures.....                  | 13.1                      | 24.3                      | 8.1                | 4.2                | 5.4                | 5.3                | 6.4                | 6.1              | .5               |
| Finished manufactures.....             | 1.1                       | 1.7                       | .9                 | .8                 | .6                 | .7                 | .8                 | .3               | .5               |

<sup>1</sup> See headnote table 515 regarding grain shipments through Canada to Europe.<sup>2</sup> Asia and Oceania.<sup>3</sup> Less than \$50,000.<sup>4</sup> General imports through 1933; "imports for consumption" thereafter.

# No. 511.—PERCENT EACH CONTINENT FURNISHES OR TAKES OF TOTAL TRADE IN EACH ECONOMIC CLASS

NOTE.—Percentages are based on data shown in table 510, except that calculations were made from the full figures

| Continent                     | 1921-1925, average | 1926-1930, average | 1932 | 1933 | 1934 | 1935 | 1921-1925, average       | 1926-1930, average | 1932 | 1933 | 1934 | 1935 |
|-------------------------------|--------------------|--------------------|------|------|------|------|--------------------------|--------------------|------|------|------|------|
|                               | Crude materials    |                    |      |      |      |      | Foodstuffs and beverages |                    |      |      |      |      |
| <b>Exports (U. S. mdse.):</b> |                    |                    |      |      |      |      |                          |                    |      |      |      |      |
| North America.....            | 14.0               | 15.4               | 14.8 | 12.9 | 10.8 | 10.3 | 23.5                     | 28.5               | 19.4 | 20.2 | 22.7 | 24.6 |
| South America.....            | 7.7                | 6.6                | 4.4  | 4.4  | 6.6  | 7.7  | 2.5                      | 4.9                | 8.6  | 3.4  | 3.1  | 3.5  |
| Europe.....                   | 73.5               | 67.6               | 57.1 | 64.4 | 55.8 | 61.5 | 68.1                     | 58.4               | 65.2 | 67.4 | 62.1 | 62.1 |
| Asia and Oceania.....         | 11.4               | 15.9               | 27.2 | 21.9 | 25.4 | 21.1 | 8.0                      | 7.2                | 8.0  | 7.8  | 10.5 | 8.0  |
| Africa.....                   | .5                 | .5                 | .5   | .4   | .8   | .4   | .8                       | 1.0                | .0   | 1.2  | 1.7  | 1.8  |
| <b>General imports:</b>       |                    |                    |      |      |      |      |                          |                    |      |      |      |      |
| North America.....            | 115.9              | 12.1               | 11.9 | 10.3 | 9.8  | 9.9  | 148.8                    | 38.4               | 27.6 | 28.3 | 33.0 | 36.7 |
| South America.....            | 10.2               | 11.5               | 13.1 | 13.8 | 12.9 | 14.3 | 24.8                     | 31.5               | 33.7 | 30.0 | 26.6 | 25.8 |
| Europe.....                   | 110.6              | 17.3               | 19.4 | 21.0 | 18.4 | 18.0 | 12.9                     | 14.2               | 13.6 | 14.3 | 17.4 | 17.5 |
| Asia and Oceania.....         | 50.7               | 55.9               | 62.9 | 51.6 | 65.0 | 54.0 | 112.1                    | 13.8               | 22.8 | 24.7 | 21.0 | 17.7 |
| Africa.....                   | 3.6                | 3.2                | 2.7  | 3.2  | 3.7  | 3.3  | 1.3                      | 2.0                | 2.3  | 2.1  | 2.0  | 2.4  |
|                               | Semimanufactures   |                    |      |      |      |      | Finished manufactures    |                    |      |      |      |      |
| <b>Exports (U. S. mdse.):</b> |                    |                    |      |      |      |      |                          |                    |      |      |      |      |
| North America.....            | 22.9               | 24.4               | 25.5 | 22.1 | 21.6 | 21.4 | 32.0                     | 29.3               | 28.3 | 25.4 | 26.4 | 27.6 |
| South America.....            | 8.6                | 9.9                | 7.1  | 8.0  | 7.0  | 7.4  | 13.7                     | 15.8               | 10.2 | 13.8 | 14.1 | 13.6 |
| Europe.....                   | 49.3               | 48.1               | 47.4 | 47.4 | 44.9 | 44.0 | 28.5                     | 31.7               | 35.7 | 34.0 | 31.1 | 30.1 |
| Asia and Oceania.....         | 18.0               | 16.4               | 18.6 | 20.8 | 23.8 | 24.0 | 22.7                     | 19.1               | 21.1 | 21.3 | 21.2 | 20.6 |
| Africa.....                   | 1.1                | 1.2                | 1.4  | 1.7  | 2.0  | 2.3  | 3.1                      | 4.2                | 4.5  | 5.5  | 7.3  | 8.2  |
| <b>General imports:</b>       |                    |                    |      |      |      |      |                          |                    |      |      |      |      |
| North America.....            | 23.5               | 24.2               | 27.4 | 22.1 | 24.2 | 22.9 | 21.8                     | 25.9               | 30.4 | 28.5 | 28.6 | 28.4 |
| South America.....            | 12.9               | 11.1               | 6.6  | 5.0  | 8.3  | 7.0  | .7                       | .6                 | .7   | .6   | 1.2  | .5   |
| Europe.....                   | 243.5              | 42.7               | 46.9 | 49.8 | 43.5 | 42.1 | 150.0                    | 56.7               | 47.7 | 52.6 | 49.3 | 49.7 |
| Asia and Oceania.....         | 117.9              | 13.9               | 17.1 | 21.2 | 22.2 | 20.4 | 118.3                    | 16.7               | 14.9 | 18.1 | 20.7 | 21.3 |
| Africa.....                   | 2.2                | 3.2                | 1.9  | 1.9  | 1.7  | 1.6  | .2                       | .2                 | .2   | .2   | .2   | .2   |

1 Revised.

# No. 512.—PERCENT EACH ECONOMIC CLASS FORMS OF TOTAL TRADE WITH EACH CONTINENT

NOTE.—Percentages are based on data shown in table 510, except that calculations were made from the full figures

| Class                         | 1921-1925, average | 1926-1930, average | 1932  | 1933  | 1934  | 1935  | 1921-1925, average | 1926-1930, average | 1932  | 1933  | 1934  | 1935  |
|-------------------------------|--------------------|--------------------|-------|-------|-------|-------|--------------------|--------------------|-------|-------|-------|-------|
|                               | North America      |                    |       |       |       |       | South America      |                    |       |       |       |       |
| <b>Exports (U. S. mdse.):</b> |                    |                    |       |       |       |       |                    |                    |       |       |       |       |
| Crude materials.....          | 100.0              | 100.0              | 100.0 | 100.0 | 100.0 | 100.0 | 100.0              | 100.0              | 100.0 | 100.0 | 100.0 | 100.0 |
| Foodstuffs 1.....             | 16.1               | 15.0               | 21.8  | 23.3  | 23.5  | 21.6  | 2.7                | 1.6                | 2.2   | 2.2   | 2.5   | 2.8   |
| Semimanufactures.....         | 23.4               | 18.3               | 13.4  | 12.6  | 11.0  | 10.3  | 8.8                | 8.8                | 16.6  | 6.1   | 4.4   | 4.4   |
| Finished manufactures.....    | 11.9               | 13.8               | 14.3  | 16.0  | 15.8  | 14.6  | 15.7               | 14.8               | 14.6  | 16.6  | 16.2  | 15.0  |
| <b>General imports:</b>       |                    |                    |       |       |       |       |                    |                    |       |       |       |       |
| Crude materials.....          | 100.0              | 100.0              | 100.0 | 100.0 | 100.0 | 100.0 | 100.0              | 100.0              | 100.0 | 100.0 | 100.0 | 100.0 |
| Foodstuffs 1.....             | 22.6               | 19.2               | 12.6  | 13.6  | 11.5  | 11.5  | 31.2               | 31.3               | 23.4  | 28.6  | 26.2  | 29.8  |
| Semimanufactures.....         | 244.5              | 30.9               | 33.2  | 37.1  | 43.8  | 46.9  | 49.0               | 52.3               | 68.2  | 63.1  | 60.6  | 59.2  |
| Finished manufactures.....    | 215.6              | 19.6               | 17.6  | 20.4  | 19.0  | 18.7  | 18.5               | 15.5               | 7.2   | 7.2   | 11.3  | 10.4  |
|                               | 217.2              | 24.3               | 36.7  | 28.9  | 25.7  | 23.0  | 1.3                | .9                 | 1.2   | 1.1   | 1.9   | .7    |
|                               | Europe             |                    |       |       |       |       | Asia and Oceania   |                    |       |       |       |       |
| <b>Exports (U. S. mdse.):</b> |                    |                    |       |       |       |       |                    |                    |       |       |       |       |
| Crude materials.....          | 100.0              | 100.0              | 100.0 | 100.0 | 100.0 | 100.0 | 100.0              | 100.0              | 100.0 | 100.0 | 100.0 | 100.0 |
| Foodstuffs 1.....             | 38.3               | 35.0               | 38.2  | 45.3  | 39.5  | 41.6  | 21.2               | 24.2               | 42.6  | 39.7  | 36.3  | 32.1  |
| Semimanufactures.....         | 30.5               | 20.0               | 20.5  | 16.3  | 15.0  | 13.3  | 7.9                | 7.2                | 5.9   | 4.9   | 5.2   | 3.8   |
| Finished manufactures.....    | 11.6               | 14.4               | 12.2  | 13.4  | 16.4  | 15.6  | 15.1               | 14.5               | 11.2  | 15.1  | 17.8  | 18.6  |
| <b>General imports:</b>       |                    |                    |       |       |       |       |                    |                    |       |       |       |       |
| Crude materials.....          | 100.0              | 100.0              | 100.0 | 100.0 | 100.0 | 100.0 | 100.0              | 100.0              | 100.0 | 100.0 | 100.0 | 100.0 |
| Foodstuffs 1.....             | 224.2              | 21.2               | 17.6  | 19.0  | 17.6  | 17.7  | 65.7               | 66.6               | 51.2  | 49.1  | 50.5  | 50.8  |
| Semimanufactures.....         | 10.2               | 10.6               | 14.2  | 12.9  | 18.7  | 19.0  | 210.1              | 10.1               | 25.0  | 23.5  | 21.6  | 18.1  |
| Finished manufactures.....    | 225.1              | 26.9               | 26.2  | 31.5  | 27.8  | 29.2  | 210.9              | 11.5               | 10.0  | 14.1  | 13.5  | 17.8  |
|                               | 240.5              | 41.3               | 41.8  | 36.6  | 35.9  | 34.1  | 213.2              | 11.8               | 13.7  | 13.3  | 14.4  | 13.8  |

1 Includes beverages.

2 Revised.

# No. 513.—PERCENTAGE DISTRIBUTION OF EXPORTS AND GENERAL IMPORTS, BY CONTINENTS

NOTE.—Percentages are based on figures shown in table 514. See headnote to that table

| Yearly average or year       | Percent of total exports |           |               |        |      |         |        | Percent of total imports |           |               |        |      |         |        |
|------------------------------|--------------------------|-----------|---------------|--------|------|---------|--------|--------------------------|-----------|---------------|--------|------|---------|--------|
|                              | North America            |           | South America | Europe | Asia | Oceania | Africa | North America            |           | South America | Europe | Asia | Oceania | Africa |
|                              | North-ern                | South-ern |               |        |      |         |        | North-ern                | South-ern |               |        |      |         |        |
| 1821.....                    | 4.4                      | 22.0      | 4.1           | 65.3   | 3.6  | 0.1     | 0.6    | 0.7                      | 21.7      | 2.9           | 64.2   | 9.8  | 0.1     | 0.7    |
| 1830.....                    | 3.9                      | 20.5      | 0.4           | 60.1   | 2.7  | (2)     | .3     | .6                       | 17.2      | 7.8           | 64.0   | 10.0 | .9      | .4     |
| 1840.....                    | 4.0                      | 13.9      | 4.6           | 74.4   | 1.3  | .8      | .6     | 1.2                      | 15.7      | 8.8           | 62.8   | 10.9 | .2      | .5     |
| 1850.....                    | 6.6                      | 9.9       | 5.4           | 75.2   | 2.1  | .1      | .7     | 3.0                      | 9.3       | 9.2           | 71.0   | 7.2  | (2)     | .4     |
| 1860.....                    | 6.6                      | 8.8       | 4.7           | 74.8   | 2.4  | 1.5     | 1.0    | 6.7                      | 12.5      | 9.9           | 61.3   | 8.3  | .3      | 1.0    |
| 1865.....                    | 10.0                     | 20.5      | 7.2           | 57.7   | 1.4  | 2.4     | .8     | 14.7                     | 19.6      | 9.7           | 48.2   | 6.1  | .5      | 1.4    |
| 1870.....                    | 5.5                      | 7.9       | 3.9           | 79.8   | 1.5  | 1.0     | .5     | 8.3                      | 17.1      | 9.9           | 55.1   | 8.7  | .4      | .6     |
| 1871-1875.....               | 0.4                      | 7.2       | 4.0           | 80.2   | 1.0  | .8      | .4     | 5.9                      | 16.6      | 11.0          | 55.6   | 9.7  | .7      | .6     |
| 1876-1880.....               | 5.0                      | 5.4       | 3.3           | 83.1   | 1.7  | 1.1     | .6     | 5.6                      | 17.6      | 13.8          | 50.3   | 11.3 | .9      | .5     |
| 1881-1885.....               | 5.4                      | 5.7       | 3.6           | 81.1   | 2.2  | 1.0     | .5     | 6.3                      | 14.4      | 11.4          | 55.1   | 10.5 | 1.7     | .6     |
| 1886-1890.....               | 5.2                      | 5.8       | 4.3           | 79.3   | 2.8  | 2.0     | .5     | 5.6                      | 13.8      | 11.5          | 56.0   | 10.4 | 2.3     | .5     |
| 1891-1895.....               | 5.5                      | 0.8       | 3.7           | 79.6   | 2.3  | 1.6     | .6     | 4.6                      | 16.3      | 14.9          | 50.6   | 10.8 | 2.1     | .6     |
| 1896-1900.....               | 6.9                      | 5.6       | 3.1           | 76.7   | 3.9  | 2.3     | 1.5    | 5.0                      | 10.3      | 13.2          | 62.6   | 14.6 | 3.1     | 1.3    |
| 1901-1905.....               | 8.6                      | 6.7       | 3.2           | 72.3   | 5.3  | 2.0     | 1.9    | 5.4                      | 13.3      | 12.5          | 61.3   | 15.4 | .9      | 1.1    |
| 1906-1910.....               | 10.2                     | 8.7       | 4.0           | 68.2   | 5.5  | 1.8     | 1.0    | 5.9                      | 13.4      | 11.7          | 51.3   | 15.2 | 1.2     | 1.2    |
| 1911-1915.....               | 14.2                     | 7.7       | 5.2           | 64.0   | 5.6  | 2.2     | 1.1    | 7.7                      | 14.5      | 12.8          | 46.8   | 15.8 | 1.1     | 1.4    |
| 1915-1920 <sup>1</sup> ..... | 12.0                     | 7.7       | 5.5           | 63.2   | 8.6  | 1.7     | 1.3    | 12.7                     | 17.5      | 17.6          | 20.3   | 27.1 | 2.1     | 2.7    |
| 1921-1925.....               | 14.3                     | 10.1      | 6.8           | 52.7   | 11.3 | 3.2     | 1.6    | 11.5                     | 14.9      | 12.2          | 30.4   | 27.3 | 1.6     | 2.1    |
| 1926-1930.....               | 17.4                     | 8.4       | 0.4           | 46.8   | 12.0 | 3.7     | 2.3    | 11.9                     | 11.4      | 13.5          | 30.0   | 29.6 | 1.3     | 2.3    |
| 1931-1935.....               | 14.8                     | 8.0       | 7.0           | 47.4   | 17.3 | 2.4     | 3.1    | 13.8                     | 10.3      | 14.3          | 30.1   | 28.7 | .9      | 1.9    |
| 1910-1914.....               | 14.8                     | 8.4       | 5.6           | 62.3   | 5.6  | 2.2     | 1.1    | 7.0                      | 13.5      | 12.2          | 49.5   | 15.3 | 1.0     | 1.3    |
| 1915-1919 <sup>4</sup> ..... | 12.0                     | 6.4       | 4.7           | 66.6   | 7.6  | 1.6     | 1.0    | 12.8                     | 17.5      | 18.5          | 20.9   | 25.6 | 2.3     | 2.4    |
| 1893.....                    | 5.8                      | 8.4       | 3.9           | 78.1   | 2.0  | 1.3     | .6     | 4.4                      | 16.8      | 11.8          | 52.9   | 11.5 | 1.9     | .7     |
| 1894.....                    | 6.6                      | 0.9       | 3.7           | 78.6   | 2.4  | 1.3     | .6     | 4.8                      | 20.7      | 15.3          | 45.1   | 11.4 | 2.2     | .5     |
| 1895.....                    | 6.7                      | 6.7       | 4.2           | 77.8   | 2.2  | 1.6     | .8     | 5.1                      | 13.2      | 15.3          | 52.4   | 11.5 | 1.7     | .8     |
| 1896.....                    | 6.0                      | 6.3       | 4.1           | 76.3   | 2.9  | 1.9     | 1.6    | 5.3                      | 11.0      | 14.0          | 53.7   | 12.1 | 2.5     | 1.4    |
| 1897.....                    | 0.3                      | 5.6       | 3.2           | 77.4   | 3.7  | 2.1     | 1.6    | 5.3                      | 8.5       | 14.0          | 56.3   | 12.0 | 2.6     | 1.2    |
| 1898.....                    | 6.0                      | 4.4       | 2.7           | 79.1   | 3.6  | 1.8     | 1.4    | 5.3                      | 9.6       | 14.9          | 49.7   | 15.7 | 3.7     | 1.2    |
| 1899.....                    | 7.3                      | 5.6       | 2.9           | 76.3   | 4.0  | 2.4     | 1.6    | 4.5                      | 11.5      | 12.4          | 50.8   | 16.0 | 3.2     | 1.5    |
| 1900.....                    | 7.0                      | 6.5       | 2.8           | 74.0   | 4.3  | 2.9     | 1.4    | 4.7                      | 10.6      | 11.0          | 51.8   | 17.2 | 3.4     | 1.3    |
| 1901.....                    | 7.3                      | 6.0       | 3.0           | 76.4   | 3.6  | 2.1     | 1.7    | 5.2                      | 12.4      | 13.4          | 52.2   | 14.8 | .8      | 1.1    |
| 1902.....                    | 8.1                      | 6.7       | 2.8           | 73.0   | 5.0  | 2.1     | 2.4    | 5.4                      | 11.3      | 13.3          | 52.6   | 15.1 | .8      | 1.5    |
| 1903.....                    | 8.9                      | 6.3       | 2.9           | 75.6   | 4.4  | 2.4     | 2.7    | 6.4                      | 13.1      | 10.5          | 53.4   | 15.5 | .9      | 1.2    |
| 1904.....                    | 9.2                      | 6.9       | 3.5           | 72.4   | 4.4  | 1.9     | 1.7    | 5.3                      | 14.7      | 12.1          | 60.3   | 15.7 | .8      | 1.0    |
| 1905.....                    | 9.4                      | 7.7       | 3.7           | 67.2   | 8.9  | 1.8     | 1.2    | 5.7                      | 14.6      | 13.6          | 48.4   | 15.6 | 1.1     | 1.0    |
| 1906.....                    | 9.2                      | 8.5       | 4.3           | 68.8   | 6.4  | 1.7     | 1.1    | 5.7                      | 13.5      | 11.4          | 51.6   | 15.7 | 1.0     | 1.0    |
| 1907.....                    | 9.0                      | 8.7       | 4.4           | 69.0   | 5.4  | 1.7     | .9     | 5.2                      | 13.2      | 11.2          | 52.1   | 15.6 | 1.3     | 1.5    |
| 1908.....                    | 9.2                      | 8.3       | 4.5           | 69.0   | 6.1  | 1.9     | 1.1    | 6.4                      | 13.6      | 10.5          | 50.9   | 16.0 | 1.2     | 1.4    |
| 1909.....                    | 10.1                     | 8.5       | 4.6           | 69.0   | 5.0  | 1.8     | 1.0    | 6.1                      | 13.2      | 12.5          | 49.0   | 15.8 | 1.3     | 1.2    |
| 1910.....                    | 12.6                     | 9.5       | 5.3           | 65.1   | 4.5  | 2.0     | 1.1    | 6.2                      | 13.5      | 12.6          | 51.8   | 13.5 | 1.3     | 1.1    |
| 1911.....                    | 13.4                     | 8.9       | 5.3           | 63.8   | 5.1  | 2.3     | 1.2    | 6.7                      | 13.3      | 12.0          | 50.3   | 15.1 | .8      | 1.8    |
| 1912.....                    | 15.1                     | 8.3       | 6.0           | 60.9   | 6.4  | 2.2     | 1.1    | 6.7                      | 13.5      | 13.0          | 49.8   | 15.0 | .8      | 1.4    |
| 1913.....                    | 17.0                     | 8.0       | 5.9           | 60.0   | 5.7  | 2.2     | 1.2    | 6.7                      | 13.2      | 12.0          | 49.2   | 16.4 | .9      | 1.5    |
| 1914.....                    | 14.8                     | 7.6       | 5.3           | 62.9   | 6.0  | 2.4     | 1.2    | 8.6                      | 14.0      | 11.8          | 47.3   | 16.1 | 1.3     | 1.0    |
| 1915.....                    | 11.1                     | 6.2       | 3.6           | 71.2   | 5.0  | 1.9     | 1.0    | 9.6                      | 18.6      | 15.6          | 35.7   | 16.2 | 1.7     | 1.5    |
| 1916 (6 mos.).....           | 11.0                     | 6.5       | 4.5           | 69.7   | 5.1  | 2.1     | 1.1    | 11.8                     | 15.4      | 18.2          | 29.3   | 21.0 | 2.0     | 1.8    |
| 1916.....                    | 11.2                     | 5.7       | 4.0           | 69.6   | 7.1  | 1.5     | 1.0    | 10.0                     | 17.5      | 17.9          | 26.5   | 23.0 | 2.5     | 2.6    |
| 1917.....                    | 13.5                     | 6.3       | 5.0           | 65.2   | 7.5  | 1.2     | .8     | 14.2                     | 15.3      | 20.3          | 18.7   | 27.8 | 1.2     | 2.5    |
| 1918.....                    | 14.6                     | 6.9       | 4.9           | 62.8   | 8.1  | 1.8     | 1.0    | 15.1                     | 17.1      | 20.2          | 10.5   | 31.0 | 3.4     | 2.8    |
| 1919.....                    | 9.5                      | 6.9       | 5.6           | 65.5   | 9.7  | 1.6     | 1.2    | 12.8                     | 16.8      | 17.6          | 10.2   | 28.4 | 2.3     | 2.9    |
| 1920.....                    | 12.0                     | 11.5      | 7.6           | 54.3   | 10.6 | 2.1     | 2.0    | 11.6                     | 19.9      | 14.4          | 23.3   | 26.5 | 1.5     | 2.8    |
| 1921.....                    | 13.4                     | 11.8      | 6.1           | 52.7   | 11.9 | 2.5     | 1.6    | 13.5                     | 16.6      | 11.8          | 30.5   | 24.6 | 1.4     | 1.6    |
| 1922.....                    | 15.2                     | 8.7       | 5.9           | 54.4   | 11.7 | 2.7     | 1.6    | 11.8                     | 14.6      | 11.6          | 31.8   | 28.6 | 1.6     | 2.1    |
| 1923.....                    | 16.3                     | 10.2      | 6.5           | 50.2   | 12.3 | 3.5     | 1.5    | 11.0                     | 15.4      | 12.3          | 30.5   | 26.9 | 1.6     | 2.3    |
| 1924.....                    | 13.8                     | 9.9       | 6.8           | 53.3   | 11.2 | 3.4     | 1.5    | 11.1                     | 10.4      | 12.9          | 30.4   | 25.8 | 1.4     | 2.0    |
| 1925.....                    | 13.4                     | 9.8       | 8.2           | 53.0   | 9.9  | 3.9     | 1.8    | 10.9                     | 12.3      | 12.3          | 29.3   | 31.2 | 1.8     | 2.2    |
| 1926.....                    | 15.5                     | 8.9       | 9.2           | 48.0   | 11.7 | 4.4     | 2.1    | 11.0                     | 11.9      | 12.8          | 29.0   | 31.6 | 1.5     | 2.2    |
| 1927.....                    | 17.3                     | 8.4       | 9.0           | 47.6   | 11.5 | 4.0     | 2.2    | 11.6                     | 12.0      | 12.4          | 30.5   | 30.0 | 1.3     | 2.2    |
| 1928.....                    | 18.1                     | 7.7       | 9.4           | 46.3   | 12.8 | 3.5     | 2.3    | 12.2                     | 11.3      | 12.9          | 30.5   | 28.6 | 1.3     | 2.2    |
| 1929.....                    | 18.3                     | 8.3       | 10.3          | 44.7   | 12.3 | 3.6     | 2.5    | 11.7                     | 10.6      | 14.5          | 30.3   | 29.1 | 1.3     | 2.5    |
| 1930.....                    | 17.5                     | 9.1       | 8.8           | 47.8   | 11.7 | 2.8     | 2.4    | 13.5                     | 11.3      | 14.2          | 29.7   | 28.0 | 1.1     | 2.2    |
| 1931.....                    | 16.7                     | 7.7       | 6.5           | 49.0   | 15.9 | 1.7     | 2.5    | 13.3                     | 11.5      | 14.7          | 30.6   | 27.4 | .9      | 1.6    |
| 1932.....                    | 14.8                     | 7.4       | 6.0           | 48.7   | 18.2 | 2.3     | 2.2    | 13.7                     | 11.9      | 15.2          | 29.4   | 27.4 | .6      | 1.8    |
| 1933.....                    | 12.8                     | 7.5       | 6.8           | 50.7   | 17.4 | 2.1     | 2.6    | 13.2                     | 8.8       | 14.0          | 31.9   | 29.4 | .9      | 1.9    |
| 1934.....                    | 14.4                     | 8.3       | 7.6           | 44.5   | 18.8 | 2.7     | 3.6    | 14.4                     | 9.7       | 13.8          | 29.6   | 29.6 | .9      | 2.0    |
| 1935.....                    | 14.4                     | 8.8       | 7.6           | 45.1   | 16.6 | 3.2     | 4.2    | 14.3                     | 9.8       | 13.7          | 29.2   | 29.5 | 1.8     | 2.0    |

<sup>1</sup> See headnote to table 514.

<sup>2</sup> Less than one-tenth of 1 percent.

<sup>3</sup> Period July 1, 1915, to Dec. 31, 1920.

<sup>4</sup> Fiscal years.

## No. 514.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL

NOTE.—All figures in thousands of dollars. For basis of dollar values, see general note, p. 427. Figures concerning averages for 1910-14 and 1915-19. The Philippine Islands are included with Asia for all years; adjusted for grain shipments to Canada which were actually in transit to Europe are shown in table 495

| Yearly average<br>or year | Exports   |                       |          |                  |                     |         |         |         |
|---------------------------|-----------|-----------------------|----------|------------------|---------------------|---------|---------|---------|
|                           | Total     | North America         |          | South<br>America | Europe <sup>1</sup> | Asia    | Oceania | Africa  |
|                           |           | Northern <sup>2</sup> | Southern |                  |                     |         |         |         |
| 1821                      | 54,496    | 2,392                 | 11,965   | 2,208            | 35,875              | 1,977   | 71      | 309     |
| 1830                      | 71,671    | 2,802                 | 14,723   | 4,586            | 47,893              | 1,906   | 27      | 234     |
| 1840                      | 123,669   | 6,090                 | 17,241   | 5,714            | 92,039              | 1,560   | 330     | 698     |
| 1850                      | 144,876   | 9,519                 | 14,284   | 7,780            | 108,638             | 3,028   | 190     | 987     |
| 1860                      | 333,576   | 22,883                | 29,273   | 15,708           | 249,425             | 8,100   | 4,962   | 3,227   |
| 1865                      | 166,029   | 16,618                | 34,003   | 12,026           | 95,744              | 2,350   | 4,016   | 1,273   |
| 1870                      | 392,772   | 21,703                | 31,100   | 15,188           | 313,316             | 6,773   | 3,873   | 1,820   |
| 1871-1875                 | 501,841   | 32,034                | 36,188   | 20,235           | 402,208             | 5,029   | 3,909   | 2,117   |
| 1876-1880                 | 676,761   | 33,714                | 36,303   | 22,087           | 562,202             | 11,236  | 7,437   | 3,782   |
| 1881-1885                 | 791,892   | 42,636                | 44,836   | 28,212           | 641,824             | 17,526  | 12,785  | 4,074   |
| 1886-1890                 | 738,379   | 38,758                | 43,053   | 32,046           | 586,681             | 20,389  | 15,070  | 3,382   |
| 1891-1895                 | 992,421   | 49,310                | 60,724   | 33,247           | 709,239             | 20,672  | 13,945  | 5,293   |
| 1896-1900                 | 1,157,318 | 70,961                | 65,375   | 35,699           | 887,401             | 45,263  | 26,338  | 17,281  |
| 1901-1905                 | 1,453,803 | 124,500               | 97,733   | 46,246           | 1,050,540           | 76,942  | 29,738  | 28,044  |
| 1906-1910                 | 1,778,097 | 180,836               | 164,743  | 52,142           | 1,212,978           | 97,240  | 32,358  | 18,400  |
| 1911-1915                 | 2,370,539 | 337,091               | 182,315  | 122,243          | 1,517,404           | 138,348 | 51,506  | 26,632  |
| 1916-1920 <sup>1</sup>    | 6,521,190 | 780,221               | 503,439  | 360,744          | 4,123,523           | 562,476 | 109,121 | 81,668  |
| 1921-1925                 | 4,597,026 | 627,381               | 444,578  | 297,116          | 2,317,944           | 498,553 | 141,426 | 69,729  |
| 1926-1930                 | 4,777,815 | 829,858               | 468,175  | 447,800          | 2,285,613           | 573,978 | 177,239 | 109,596 |
| 1931-1935                 | 2,025,195 | 300,372               | 162,435  | 141,074          | 960,000             | 350,069 | 48,868  | 62,377  |
| 1910-1914                 | 2,165,818 | 319,890               | 181,205  | 121,028          | 1,350,300           | 121,042 | 47,715  | 24,638  |
| 1915-1919 <sup>1</sup>    | 5,308,823 | 638,704               | 340,971  | 250,837          | 3,534,473           | 403,716 | 87,262  | 52,860  |
| 1898                      | 847,065   | 43,826                | 70,963   | 32,639           | 681,977             | 17,017  | 11,046  | 5,196   |
| 1894                      | 892,141   | 55,470                | 61,223   | 33,212           | 700,871             | 21,668  | 11,772  | 4,924   |
| 1895                      | 807,538   | 54,152                | 54,424   | 33,526           | 627,928             | 15,134  | 12,997  | 4,378   |
| 1896                      | 882,907   | 61,231                | 55,336   | 36,298           | 673,044             | 25,792  | 17,035  | 13,871  |
| 1897                      | 1,050,964 | 66,196                | 58,762   | 33,769           | 813,386             | 39,370  | 22,558  | 16,963  |
| 1898                      | 1,231,482 | 85,095                | 54,533   | 33,822           | 973,806             | 44,830  | 21,875  | 17,516  |
| 1899                      | 1,227,023 | 89,765                | 68,167   | 36,060           | 936,602             | 48,764  | 29,471  | 18,594  |
| 1900                      | 1,394,438 | 97,617                | 90,078   | 38,946           | 1,040,168           | 67,554  | 40,751  | 19,470  |
| 1901                      | 1,487,765 | 107,967               | 88,567   | 44,400           | 1,136,505           | 53,418  | 31,365  | 25,543  |
| 1902                      | 1,831,719 | 111,877               | 92,094   | 38,044           | 1,098,034           | 69,203  | 29,000  | 35,469  |
| 1903                      | 1,420,142 | 125,967               | 89,515   | 41,138           | 1,029,267           | 82,398  | 33,430  | 38,337  |
| 1904                      | 1,480,827 | 133,960               | 100,950  | 50,755           | 1,057,930           | 64,084  | 28,018  | 24,230  |
| 1905                      | 1,618,562 | 143,080               | 117,540  | 56,894           | 1,020,070           | 134,705 | 26,879  | 18,541  |
| 1906                      | 1,743,865 | 159,806               | 148,577  | 75,160           | 1,200,166           | 110,911 | 29,682  | 19,562  |
| 1907                      | 1,880,851 | 186,176               | 163,664  | 82,157           | 1,298,452           | 101,365 | 32,525  | 16,511  |
| 1908                      | 1,890,773 | 170,669               | 154,005  | 83,584           | 1,283,600           | 113,247 | 35,327  | 20,841  |
| 1909                      | 1,693,011 | 167,423               | 142,054  | 76,562           | 1,146,755           | 82,982  | 30,200  | 17,035  |
| 1910                      | 1,744,985 | 220,104               | 165,416  | 93,247           | 1,135,915           | 77,694  | 34,057  | 18,561  |
| 1911                      | 2,049,320 | 274,478               | 182,582  | 108,895          | 1,308,276           | 105,146 | 46,338  | 23,607  |
| 1912                      | 2,204,322 | 333,900               | 182,938  | 132,310          | 1,341,733           | 141,198 | 48,200  | 24,043  |
| 1913                      | 2,466,884 | 420,404               | 197,009  | 146,148          | 1,479,075           | 140,441 | 53,718  | 20,089  |
| 1914                      | 2,864,579 | 350,563               | 178,082  | 124,540          | 1,486,499           | 140,730 | 56,264  | 27,902  |
| 1915                      | 2,768,689 | 306,112               | 170,964  | 99,324           | 1,071,435           | 139,226 | 58,009  | 28,520  |
| 1915 (6 mos.)             | 1,852,863 | 203,476               | 119,952  | 83,555           | 1,291,914           | 94,712  | 38,254  | 21,000  |
| 1916                      | 5,482,641 | 613,416               | 311,137  | 220,267          | 3,813,278           | 387,785 | 82,797  | 54,011  |
| 1917                      | 6,233,613 | 839,305               | 422,398  | 311,893          | 4,001,729           | 469,402 | 77,402  | 51,384  |
| 1918                      | 6,149,088 | 900,248               | 425,238  | 302,710          | 3,855,698           | 498,477 | 104,519 | 59,198  |
| 1919                      | 7,920,426 | 749,950               | 545,842  | 441,748          | 5,187,666           | 771,717 | 125,585 | 97,918  |
| 1920                      | 8,228,016 | 984,818               | 944,345  | 623,917          | 4,466,091           | 871,759 | 171,605 | 165,602 |
| 1921                      | 4,485,031 | 600,434               | 529,146  | 273,325          | 2,363,899           | 532,615 | 112,766 | 72,847  |
| 1922                      | 3,831,777 | 583,451               | 332,203  | 226,075          | 2,053,357           | 445,970 | 101,945 | 55,770  |
| 1923                      | 4,167,499 | 660,507               | 425,691  | 209,318          | 2,068,415           | 511,498 | 149,423 | 60,671  |
| 1924                      | 4,590,984 | 633,876               | 450,165  | 314,252          | 2,445,300           | 514,592 | 156,505 | 70,294  |
| 1925                      | 4,909,848 | 658,640               | 479,714  | 402,606          | 2,608,760           | 486,592 | 189,489 | 89,057  |
| 1926                      | 4,808,060 | 747,685               | 423,797  | 443,507          | 2,310,144           | 564,543 | 212,705 | 101,279 |
| 1927                      | 4,865,375 | 845,307               | 407,720  | 438,159          | 2,313,782           | 559,005 | 195,714 | 107,088 |
| 1928                      | 6,128,356 | 924,172               | 397,195  | 480,815          | 2,374,916           | 654,514 | 180,033 | 116,713 |
| 1929                      | 5,240,995 | 961,473               | 433,590  | 539,310          | 2,340,848           | 643,215 | 192,022 | 130,536 |
| 1930                      | 3,843,181 | 670,652               | 348,674  | 337,509          | 1,838,375           | 447,987 | 107,719 | 92,365  |
| 1931                      | 2,424,289 | 403,732               | 187,094  | 158,691          | 1,180,885           | 386,352 | 41,574  | 59,931  |
| 1932                      | 1,611,016 | 245,736               | 119,216  | 96,589           | 784,299             | 292,423 | 36,774  | 35,974  |
| 1933                      | 1,674,964 | 214,833               | 126,028  | 114,048          | 849,778             | 292,284 | 35,109  | 42,913  |
| 1934                      | 2,132,800 | 308,015               | 178,048  | 161,701          | 949,799             | 401,349 | 57,061  | 76,615  |
| 1935                      | 2,282,874 | 329,542               | 201,789  | 174,341          | 1,029,241           | 377,940 | 73,802  | 96,219  |

<sup>1</sup> See headnote regarding grain shipped through Canada to Europe.

## IMPORTS OF MERCHANDISE DISTRIBUTED BY CONTINENTS

cover fiscal years to and including 1915; calendar years thereafter, except as noted. See headnote, table 507, Hawaiian Islands are with Oceania prior to 1901. Exports to Northern North America and to Europe of the 1935 Statistical Abstract. Such shipments were especially large in the period 1920-1929

| General imports |               |           |                  |           |           |         |         | Yearly average<br>of year |
|-----------------|---------------|-----------|------------------|-----------|-----------|---------|---------|---------------------------|
| Total           | North America |           | South<br>America | Europe    | Asia      | Oceania | Africa  |                           |
|                 | Northern      | Southern  |                  |           |           |         |         |                           |
| 54,521          | 402           | 11,816    | 1,570            | 35,000    | 5,324     | 34      | 375     | 1821.                     |
| 62,721          | 898           | 10,793    | 4,619            | 40,117    | 6,241     | 18      | 234     | 1830.                     |
| 98,269          | 1,228         | 15,421    | 8,606            | 61,721    | 10,686    | 162     | 448     | 1840.                     |
| 173,509         | 5,180         | 16,116    | 16,038           | 123,115   | 12,434    | 9       | 615     | 1850.                     |
| 355,616         | 23,730        | 44,180    | 34,929           | 216,661   | 29,239    | 1,170   | 3,706   | 1860.                     |
| 238,746         | 35,007        | 46,603    | 23,221           | 115,002   | 14,449    | 1,124   | 3,279   | 1865.                     |
| 436,968         | 50,265        | 74,435    | 42,064           | 240,187   | 37,773    | 1,612   | 2,722   | 1870.                     |
| 677,873         | 33,840        | 96,124    | 63,357           | 321,087   | 55,794    | 3,955   | 3,736   | 1871-1875.                |
| 492,670         | 27,000        | 80,046    | 68,185           | 247,520   | 55,635    | 4,619   | 2,365   | 1876-1880.                |
| 607,142         | 41,980        | 96,309    | 75,940           | 367,542   | 69,906    | 11,370  | 4,085   | 1881-1885.                |
| 717,231         | 40,230        | 98,819    | 82,427           | 401,745   | 74,439    | 16,168  | 3,406   | 1886-1890.                |
| 785,137         | 36,335        | 128,043   | 116,797          | 397,622   | 85,169    | 16,267  | 4,914   | 1891-1895.                |
| 741,619         | 37,266        | 76,007    | 97,718           | 389,843   | 107,999   | 22,781  | 9,910   | 1896-1900.                |
| 972,102         | 52,762        | 126,634   | 121,748          | 498,296   | 149,537   | 9,035   | 11,151  | 1901-1905.                |
| 1,344,838       | 79,511        | 180,192   | 157,120          | 689,838   | 205,041   | 16,601  | 16,529  | 1906-1910.                |
| 1,712,319       | 131,455       | 248,943   | 219,923          | 798,115   | 270,797   | 19,020  | 24,065  | 1911-1915.                |
| 3,358,354       | 426,337       | 558,103   | 591,295          | 1,682,298 | 910,340   | 70,134  | 90,848  | 1916-1920. <sup>1</sup>   |
| 3,450,108       | 396,069       | 514,233   | 421,336          | 1,049,494 | 942,875   | 53,994  | 71,499  | 1921-1925.                |
| 4,033,469       | 470,737       | 460,457   | 645,788          | 1,210,511 | 1,192,632 | 53,137  | 91,207  | 1926-1930.                |
| 1,713,102       | 230,164       | 177,257   | 244,160          | 515,835   | 491,387   | 16,209  | 32,088  | 1931-1935.                |
| 1,688,874       | 118,518       | 228,618   | 206,858          | 830,498   | 258,534   | 17,276  | 22,578  | 1910-1914.                |
| 2,614,657       | 321,882       | 439,019   | 466,212          | 1,225,122 | 642,479   | 59,002  | 61,842  | 1915-1919. <sup>1</sup>   |
| 800,401         | 38,254        | 145,479   | 102,208          | 458,450   | 99,316    | 16,838  | 5,857   | 1893.                     |
| 654,905         | 31,444        | 135,519   | 100,147          | 295,078   | 74,878    | 14,450  | 3,479   | 1894.                     |
| 731,970         | 37,191        | 96,724    | 112,167          | 383,646   | 83,813    | 12,720  | 6,700   | 1895.                     |
| 779,725         | 41,876        | 95,501    | 108,828          | 418,639   | 94,575    | 19,632  | 11,173  | 1896.                     |
| 704,730         | 40,863        | 95,061    | 107,389          | 430,192   | 91,678    | 20,017  | 9,530   | 1897.                     |
| 616,050         | 32,404        | 58,973    | 92,092           | 305,994   | 96,425    | 23,029  | 7,184   | 1898.                     |
| 697,145         | 31,690        | 50,460    | 86,588           | 353,885   | 111,501   | 22,588  | 10,436  | 1899.                     |
| 840,941         | 39,999        | 90,087    | 93,667           | 440,567   | 145,814   | 28,640  | 11,218  | 1900.                     |
| 823,172         | 42,935        | 102,223   | 110,367          | 429,820   | 122,099   | 6,974   | 8,954   | 1901.                     |
| 903,321         | 48,846        | 102,230   | 119,786          | 475,162   | 136,295   | 7,554   | 13,448  | 1902.                     |
| 1,026,719       | 55,609        | 134,067   | 107,428          | 547,227   | 159,075   | 9,671   | 12,682  | 1903.                     |
| 901,087         | 52,701        | 146,078   | 120,364          | 498,997   | 155,576   | 8,244   | 9,427   | 1904.                     |
| 1,117,513       | 68,667        | 163,572   | 150,796          | 540,773   | 174,641   | 12,781  | 11,844  | 1905.                     |
| 1,226,562       | 69,003        | 165,760   | 140,423          | 633,292   | 192,434   | 12,432  | 12,629  | 1906.                     |
| 1,434,421       | 74,813        | 188,763   | 160,166          | 747,291   | 223,986   | 18,275  | 21,127  | 1907.                     |
| 1,104,342       | 70,301        | 162,515   | 124,999          | 608,014   | 191,332   | 14,891  | 16,291  | 1908.                     |
| 1,311,990       | 80,467        | 173,533   | 163,879          | 654,323   | 206,982   | 17,628  | 15,109  | 1909.                     |
| 1,550,947       | 90,371        | 210,397   | 196,165          | 806,270   | 210,473   | 19,732  | 17,490  | 1910.                     |
| 1,527,226       | 102,264       | 203,233   | 182,624          | 768,108   | 230,850   | 12,874  | 27,214  | 1911.                     |
| 1,033,265       | 110,145       | 228,927   | 215,089          | 819,585   | 243,725   | 13,207  | 22,586  | 1912.                     |
| 1,813,008       | 121,764       | 240,179   | 217,735          | 892,866   | 297,505   | 16,833  | 26,425  | 1913.                     |
| 1,893,926       | 162,046       | 265,353   | 222,677          | 895,603   | 306,115   | 23,982  | 19,149  | 1914.                     |
| 1,674,170       | 161,065       | 312,026   | 261,490          | 614,365   | 271,790   | 28,502  | 24,963  | 1915.                     |
| 912,787         | 107,626       | 140,821   | 166,239          | 271,684   | 191,667   | 18,021  | 16,730  | 1915 (6 mos.).            |
| 2,391,635       | 240,161       | 418,277   | 427,610          | 693,317   | 550,866   | 59,511  | 61,893  | 1916.                     |
| 2,962,408       | 419,124       | 462,558   | 598,819          | 561,145   | 820,624   | 68,335  | 73,064  | 1917.                     |
| 3,081,213       | 457,630       | 516,955   | 610,931          | 315,121   | 939,301   | 102,737 | 85,506  | 1918.                     |
| 3,004,365       | 500,165       | 657,809   | 687,625          | 750,628   | 1,107,733 | 88,616  | 112,188 | 1919.                     |
| 5,278,481       | 614,618       | 1,048,045 | 760,999          | 1,227,843 | 1,396,677 | 80,014  | 150,285 | 1920.                     |
| 2,569,148       | 337,632       | 417,217   | 295,623          | 764,942   | 617,892   | 35,499  | 40,373  | 1921.                     |
| 3,112,747       | 366,524       | 455,930   | 358,763          | 991,203   | 826,886   | 48,517  | 64,924  | 1922.                     |
| 3,702,066       | 418,348       | 583,189   | 487,421          | 1,157,056 | 1,019,811 | 59,200  | 87,061  | 1923.                     |
| 3,096,963       | 402,047       | 593,108   | 466,074          | 1,096,087 | 930,708   | 48,945  | 72,992  | 1924.                     |
| 4,226,589       | 458,791       | 521,742   | 518,797          | 1,238,181 | 1,319,126 | 77,808  | 92,144  | 1925.                     |
| 4,430,888       | 485,503       | 526,067   | 567,979          | 1,285,863 | 1,400,701 | 68,355  | 96,420  | 1926.                     |
| 4,184,742       | 484,499       | 500,959   | 518,275          | 1,276,466 | 1,256,758 | 54,531  | 93,255  | 1927.                     |
| 4,091,444       | 499,959       | 460,743   | 569,410          | 1,248,749 | 1,188,928 | 53,450  | 90,207  | 1928.                     |
| 4,369,361       | 514,370       | 487,159   | 639,768          | 1,332,630 | 1,280,279 | 56,557  | 108,608 | 1929.                     |
| 3,080,908       | 414,355       | 347,356   | 433,518          | 908,845   | 856,496   | 32,791  | 67,547  | 1930.                     |
| 2,080,635       | 277,111       | 239,930   | 307,190          | 640,095   | 574,301   | 19,120  | 32,888  | 1931.                     |
| 1,322,774       | 181,413       | 157,107   | 200,902          | 338,963   | 362,454   | 7,091   | 24,241  | 1932.                     |
| 1,449,559       | 190,651       | 127,116   | 202,880          | 462,189   | 425,868   | 13,190  | 28,265  | 1933.                     |
| 1,655,055       | 238,498       | 160,724   | 228,958          | 489,210   | 489,775   | 14,565  | 33,326  | 1934.                     |
| 2,047,485       | 293,148       | 201,409   | 281,472          | 598,716   | 604,537   | 26,481  | 41,722  | 1935.                     |

<sup>2</sup> Period July 1, 1915, to Dec. 31, 1920.<sup>3</sup> Fiscal years ended June 30.

## No. 515.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF

NOTE.—In the case of some countries, especially those having no seaports, there is considerable indirect imports from them; for such countries the apparent balance of trade may be far from the true bal to Europe and reported as exported to Canada. Such grain shipments were especially large in the America and included in exports to Europe are given in table 495 of the 1936 Statistical Abstract.

[All figures in thousands of dollars (for basis

| Country                                    | Exports (including reexports) |                    |                    |           |           |           |           |           |
|--------------------------------------------|-------------------------------|--------------------|--------------------|-----------|-----------|-----------|-----------|-----------|
|                                            | 1910-1914, average            | 1921-1925, average | 1926-1930, average | 1931      | 1932      | 1933      | 1934      | 1935      |
| Grand total.....                           | 2,166,816                     | 4,397,027          | 4,777,314          | 2,424,289 | 1,611,016 | 1,674,994 | 2,132,800 | 2,282,374 |
| North America <sup>1</sup> .....           | 501,096                       | 1,071,959          | 1,233,033          | 590,826   | 364,862   | 340,859   | 496,068   | 531,331   |
| 1. Northern <sup>1</sup> .....             | 319,390                       | 627,382            | 829,858            | 403,732   | 245,736   | 214,833   | 303,015   | 326,642   |
| Canada <sup>1</sup> .....                  | 315,044                       | 619,017            | 819,471            | 396,355   | 241,351   | 210,651   | 302,433   | 323,194   |
| Newfoundland and Labrador.....             | 4,778                         | 8,181              | 10,066             | 7,170     | 4,167     | 3,048     | 6,343     | 6,121     |
| Miquelon and St. Pierre.....               | 68                            | 174                | 312                | 205       | 217       | 203       | 239       | 227       |
| Greenland.....                             |                               | 10                 | 9                  | 2         |           | 31        |           |           |
| 2. Southern.....                           | 181,206                       | 444,577            | 403,176            | 187,094   | 119,216   | 126,026   | 178,048   | 201,789   |
| Mexico.....                                | 53,091                        | 140,345            | 121,959            | 52,366    | 31,000    | 37,521    | 55,061    | 66,574    |
| Central America.....                       | 37,669                        | 63,738             | 78,522             | 46,639    | 30,464    | 51,461    | 37,831    | 38,059    |
| British Honduras.....                      | 1,482                         | 1,922              | 1,963              | 1,370     | 845       | 597       | 653       | 688       |
| Barbados.....                              | 3,437                         | 5,139              | 6,913              | 3,523     | 2,435     | 2,424     | 3,126     | 2,318     |
| Costa Rica.....                            | 2,834                         | 7,214              | 10,773             | 5,196     | 2,820     | 3,097     | 4,070     | 3,918     |
| Guatemala.....                             | 2,847                         | 10,312             | 9,634              | 5,980     | 4,473     | 5,030     | 5,993     | 5,633     |
| Honduras.....                              | 2,442                         | 5,284              | 6,494              | 3,565     | 1,993     | 2,096     | 2,524     | 2,434     |
| Nicaragua.....                             | 22,451                        | 22,807             | 35,441             | 23,552    | 15,609    | 15,887    | 18,335    | 20,815    |
| Panama.....                                | 2,077                         | 6,060              | 7,805              | 3,483     | 2,239     | 2,320     | 3,130     | 2,881     |
| Salvador.....                              |                               |                    |                    |           |           |           |           |           |
| West Indies and Bermuda.....               | 80,646                        | 239,494            | 208,684            | 88,050    | 56,851    | 57,054    | 85,156    | 97,577    |
| Bermuda.....                               | 1,440                         | 3,637              | 3,843              | 4,668     | 2,753     | 2,270     | 2,929     | 2,799     |
| Barbados.....                              | 1,467                         | 1,591              | 1,497              | 967       | 525       | 643       | 991       | 875       |
| Jamaica.....                               | 4,974                         | 8,537              | 8,635              | 5,562     | 2,815     | 2,648     | 3,800     | 4,030     |
| Trinidad and Tobago.....                   | 3,329                         | 6,176              | 5,705              | 2,885     | 1,651     | 2,108     | 2,821     | 3,365     |
| Other British.....                         | 2,945                         | 5,446              | 5,626              | 3,117     | 1,978     | 1,647     | 2,269     | 2,372     |
| Cuba.....                                  | 63,047                        | 181,294            | 133,245            | 46,964    | 28,755    | 25,093    | 45,323    | 60,139    |
| Dominican Republic.....                    | 4,411                         | 15,282             | 14,742             | 6,010     | 4,630     | 5,520     | 5,620     | 4,518     |
| Netherland West Indies.....                | 864                           | 3,095              | 14,621             | 9,649     | 6,476     | 10,314    | 13,443    | 14,348    |
| French West Indies.....                    | 1,633                         | 2,630              | 2,745              | 2,175     | 2,334     | 2,140     | 2,790     | 1,881     |
| Haiti, Republic of.....                    | 5,892                         | 10,910             | 10,113             | 4,822     | 4,005     | 3,595     | 3,436     | 3,250     |
| Virgin Islands of U. S. <sup>2</sup> ..... | 854                           | 1,894              | 2,020              | 1,250     | 930       | 1,076     | 1,545     |           |
| South America.....                         | 121,025                       | 297,115            | 447,860            | 156,691   | 96,589    | 114,048   | 161,701   | 174,341   |
| 3. North Coast.....                        | 13,076                        | 43,965             | 86,849             | 33,128    | 21,910    | 28,619    | 42,467    | 41,628    |
| Colombia.....                              | 5,764                         | 25,862             | 40,137             | 16,052    | 10,670    | 14,754    | 21,943    | 21,636    |
| Guiana.....                                |                               |                    |                    |           |           |           |           |           |
| British.....                               | 1,808                         | 2,094              | 1,315              | 725       | 384       | 434       | 563       | 599       |
| Surinam (Netherlands).....                 | 725                           | 963                | 1,112              | 619       | 544       | 442       | 530       | 518       |
| French.....                                | 294                           | 450                | 166                | 85        | 84        |           | 129       | 191       |
| Venezuela.....                             | 4,486                         | 14,576             | 33,129             | 15,645    | 10,229    | 13,115    | 19,281    | 18,586    |
| 4. East Coast.....                         | 54,715                        | 183,497            | 330,832            | 91,459    | 63,232    | 70,730    | 89,852    | 99,519    |
| Argentina.....                             | 47,169                        | 117,002            | 165,222            | 52,652    | 31,133    | 36,927    | 42,688    | 49,374    |
| Falkland Islands.....                      | 1                             | 4                  |                    | 107       | 1         |           | 2         | 4         |
| Brazil.....                                | 31,484                        | 59,921             | 89,377             | 28,579    | 28,600    | 29,728    | 40,375    | 43,618    |
| Paraguay.....                              | 134                           | 617                | 1,229              | 602       | 281       | 451       | 647       | 700       |
| Uruguay.....                               | 5,927                         | 15,952             | 24,750             | 9,519     | 3,217     | 3,614     | 6,140     | 6,223     |
| 5. South Coast.....                        | 23,239                        | 59,653             | 80,389             | 34,106    | 11,447    | 14,608    | 29,383    | 32,794    |
| Bolivia.....                               | 915                           | 3,649              | 5,052              | 1,775     | 2,163     | 2,629     | 5,118     | 2,829     |
| Chile.....                                 | 13,870                        | 30,132             | 46,887             | 21,462    | 3,569     | 5,321     | 12,030    | 14,943    |
| Ecuador.....                               | 2,424                         | 4,930              | 5,645              | 2,934     | 1,754     | 1,573     | 2,343     | 2,843     |
| Peru.....                                  | 6,030                         | 20,942             | 23,906             | 7,935     | 3,962     | 4,985     | 9,891     | 12,174    |

For footnotes see p. 452.





## No. 515.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MER

[All figures in

| Country                                                              | Exports (including reexports) |                           |                           |           |         |         |         |           |
|----------------------------------------------------------------------|-------------------------------|---------------------------|---------------------------|-----------|---------|---------|---------|-----------|
|                                                                      | 1910-<br>1914,<br>average     | 1921-<br>1925,<br>average | 1926-<br>1930,<br>average | 1931      | 1932    | 1933    | 1934    | 1935      |
| Europe <sup>1</sup> .....                                            | 1,850,299                     | 2,317,944                 | 2,285,613                 | 1,186,885 | 784,299 | 849,778 | 949,799 | 1,029,241 |
| 6. Northwestern and Central.....                                     | 1,232,899                     | 1,980,627                 | 1,875,271                 | 966,448   | 670,284 | 717,499 | 787,723 | 834,943   |
| Sweden.....                                                          | 10,033                        | 39,443                    | 40,298                    | 32,156    | 17,457  | 18,598  | 33,064  | 38,216    |
| Norway.....                                                          | 7,819                         | 28,081                    | 22,662                    | 12,196    | 6,916   | 7,112   | 11,232  | 13,624    |
| Denmark.....                                                         | 15,393                        | 42,615                    | 49,608                    | 20,749    | 11,996  | 11,611  | 14,507  | 12,481    |
| Iceland.....                                                         | 16                            | 290                       | 311                       | 291       | 67      | 132     | 238     | 116       |
| United Kingdom.....                                                  | 567,592                       | * 939,412                 | 837,219                   | 455,974   | 288,326 | 311,731 | 382,749 | 433,399   |
| Irish Free State.....                                                |                               | * 7,280                   | 13,896                    | 6,421     | 4,487   | 4,128   | 7,180   | 7,812     |
| Belgium.....                                                         | 53,117                        | 111,284                   | 105,640                   | 50,441    | 40,278  | 43,268  | 50,006  | 58,304    |
| France.....                                                          | 138,841                       | 265,196                   | 244,606                   | 121,820   | 111,561 | 121,710 | 115,794 | 117,013   |
| Netherlands.....                                                     | 104,675                       | 138,228                   | 131,901                   | 65,690    | 45,264  | 48,659  | 50,993  | 49,111    |
| Austria.....                                                         | * 20,581                      | 2,211                     | 4,663                     | 2,613     | 849     | 1,195   | 1,674   | 2,179     |
| Czechoslovakia.....                                                  |                               | 1,665                     | 5,387                     | 3,788     | 1,872   | 1,564   | 2,744   | 3,244     |
| Hungary.....                                                         | (e)                           | 330                       | 1,828                     | 687       |         | 259     | 494     | 351       |
| Germany.....                                                         | 304,098                       | 383,219                   | 400,364                   | 160,050   | 133,668 | 140,024 | 108,738 | 91,981    |
| Switzerland.....                                                     | 833                           | 7,198                     | 10,888                    | 9,672     | 7,300   | 7,507   | 8,425   | 7,612     |
| 7. Northeastern.....                                                 | 25,882                        | 58,267                    | 103,572                   | 113,874   | 23,226  | 28,601  | 41,456  | 57,746    |
| Estonia.....                                                         |                               | 2,081                     | 809                       | 348       | 550     | 683     | 964     | 1,437     |
| Finland.....                                                         | * 3,031                       | 10,442                    | 14,866                    | 4,865     | 2,775   | 3,462   | 5,994   | 6,108     |
| Latvia.....                                                          |                               | 3,047                     | 1,190                     | 387       | 153     | 406     | 515     | 649       |
| Lithuania.....                                                       |                               | 67                        | 220                       | 199       | 164     | 193     | 280     | 324       |
| Poland and Danzig.....                                               |                               | 10,881                    | 10,887                    | 4,639     | 7,108   | 15,114  | 18,873  | 24,486    |
| Union of Soviet Socialist Republics (Russia in Europe). <sup>7</sup> | 23,456                        | * 31,749                  | 75,600                    | 103,486   | 12,406  | 8,743   | 14,881  | 24,743    |
| 8. Southwestern.....                                                 | 96,451                        | 268,107                   | 229,473                   | 94,866    | 80,688  | 98,086  | 111,025 | 125,372   |
| Azores and Madeira.....                                              | 214                           | 937                       | 1,256                     | 325       | 107     | 156     | 255     | 414       |
| Islands.....                                                         |                               |                           |                           |           |         |         |         |           |
| Gibraltar.....                                                       | 473                           | 3,412                     | 1,001                     | 72        | 143     | 125     | 254     | 402       |
| Italy.....                                                           | 65,966                        | 185,237                   | 141,115                   | 54,815    | 49,135  | 61,240  | 64,578  | 72,416    |
| Portugal.....                                                        | 3,610                         | 8,006                     | 12,456                    | 5,683     | 4,814   | 5,808   | 7,909   | 10,837    |
| Spain.....                                                           | 26,189                        | 70,465                    | 73,644                    | 33,971    | 20,688  | 30,757  | 38,029  | 41,303    |
| 9. Southeastern.....                                                 | 5,068                         | 30,943                    | 24,296                    | 11,697    | 10,120  | 5,693   | 9,596   | 11,180    |
| Albania. <sup>8</sup> .....                                          |                               |                           |                           |           | 93      | 85      | 34      | 143       |
| Bulgaria.....                                                        | 165                           | 745                       | 623                       | 176       | 249     | 279     | 229     | 285       |
| Greece.....                                                          | 873                           | 17,163                    | 13,699                    | 7,578     | 7,764   | 2,840   | 4,650   | 6,577     |
| Malta, Gozo, and Cyprus.....                                         |                               |                           |                           |           |         |         |         |           |
| Islands.....                                                         | 378                           | 1,381                     | 1,083                     | 510       | 309     | 396     | 495     | 385       |
| Rumania.....                                                         | 1,415                         | 2,409                     | 6,436                     | 2,236     | 1,260   | 1,696   | 3,546   | 2,989     |
| Turkey in Europe. <sup>10</sup>                                      | 2,225                         | 8,058                     | <sup>11</sup> 2,945       |           |         |         |         |           |
| Yugoslavia. <sup>9</sup>                                             | <sup>12</sup> 12              | 1,198                     | 1,276                     | 1,197     | 445     | 297     | 591     | 802       |
| Asia.....                                                            | 121,042                       | 498,853                   | 573,973                   | 386,352   | 292,428 | 292,284 | 401,340 | 377,940   |
| 10. Western.....                                                     | 8,600                         | 8,047                     | 10,643                    | 6,537     | 7,035   | 8,782   | 14,864  | 18,332    |
| Aden.....                                                            | 1,345                         | 1,099                     | 497                       | 99        | 80      | 91      | 171     | 328       |
| Saudi Arabia.....                                                    |                               |                           |                           | 208       | 76      | 106     | 326     | 323       |
| Iraq.....                                                            |                               | 362                       | 1,170                     | 521       | 1,124   | 1,288   | 1,329   | 1,572     |
| Palestine.....                                                       |                               |                           |                           | 904       | 1,673   | 2,730   | 4,395   | 4,042     |
| Syria.....                                                           |                               | 3,129                     | 4,070                     | 2,035     | 1,460   | 1,835   | 2,235   | 2,373     |
| Iran.....                                                            | 132                           | 950                       | 1,805                     | 1,057     | 1,082   | 1,409   | 3,687   | 4,359     |
| Turkey in Asia. <sup>10</sup>                                        | 1,123                         | <sup>13</sup> 2,508       | 3,100                     | 1,713     | 1,539   | 1,343   | 2,722   | 4,556     |
| 11. Southern and South-eastern.....                                  | 40,618                        | 119,137                   | 180,632                   | 109,390   | 83,246  | 76,617  | 94,239  | 104,880   |
| British India.....                                                   | 10,904                        | 38,188                    | 53,512                    | 36,698    | 24,915  | 19,355  | 27,442  | 31,424    |
| Ceylon.....                                                          | <sup>14</sup> 413             | <sup>14</sup> 1,453       | 2,584                     | 1,258     | 737     | 815     | 1,266   | 1,260     |
| British Malaya.....                                                  | 2,876                         | 8,030                     | 12,649                    | 4,735     | 2,497   | 2,397   | 4,216   | 4,500     |
| Netherland India.....                                                | 3,098                         | 17,242                    | 33,850                    | 15,323    | 7,816   | 6,390   | 10,068  | 10,873    |
| French Indo-China.....                                               | 243                           | 1,079                     | 1,886                     | 967       | 1,484   | 610     | 1,636   | 1,406     |
| Philippine Islands.....                                              | 22,696                        | 51,927                    | 73,688                    | 48,383    | 44,968  | 44,782  | 47,129  | 52,640    |
| Siam.....                                                            | 481                           | 1,199                     | 2,391                     | 1,313     | 683     | 841     | 1,617   | 1,758     |
| Other Asia.....                                                      | 1                             | 19                        | 72                        | 213       | 146     | 424     | 871     | 1,020     |

For footnotes, see pp. 452 and 453.



## No. 515.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MEX

[All figures in

| Country                                                                   | Exports (including reexports) |                           |                           |         |         |         |         |         |
|---------------------------------------------------------------------------|-------------------------------|---------------------------|---------------------------|---------|---------|---------|---------|---------|
|                                                                           | 1910-<br>1914,<br>average     | 1921-<br>1925,<br>average | 1926-<br>1930,<br>average | 1931    | 1932    | 1933    | 1934    | 1935    |
| <b>Asia—Continued</b>                                                     |                               |                           |                           |         |         |         |         |         |
| 12. Eastern.....                                                          | 77,829                        | 371,669                   | 382,697                   | 270,425 | 202,148 | 206,886 | 292,241 | 254,727 |
| China.....                                                                | 21,678                        | 104,175                   | 109,021                   | 97,923  | 56,171  | 51,942  | 68,667  | 38,153  |
| Hong Kong.....                                                            | 9,137                         | 17,810                    | 18,043                    | 14,380  | 9,695   | 8,563   | 9,026   | 9,104   |
| Kwantung.....                                                             | 676                           | 6,735                     | 7,531                     | 2,176   | 1,186   | 2,691   | 3,938   | 4,188   |
| Japan.....                                                                | 45,290                        | 241,877                   | 246,036                   | 155,715 | 134,921 | 143,435 | 210,480 | 203,283 |
| Union of Soviet Socialist<br>Republics (Russia in<br>Asia) <sup>1</sup> 7 | 1,148                         | 1,072                     | 2,066                     | 231     | 175     | 254     | 130     | -----   |
| 13. Oceania.....                                                          | 47,716                        | 141,426                   | 177,239                   | 41,574  | 36,774  | 35,109  | 57,081  | 73,802  |
| Australia.....                                                            | 38,722                        | 111,273                   | 139,072                   | 27,167  | 26,817  | 26,284  | 43,229  | 57,088  |
| New Zealand.....                                                          | 7,791                         | 28,198                    | 35,841                    | 13,479  | 9,254   | 8,229   | 12,999  | 15,610  |
| British Oceania.....                                                      | 296                           | 606                       | 1,316                     | 404     | 249     | 233     | 287     | 304     |
| French Oceania.....                                                       | 754                           | 1,065                     | 1,010                     | 524     | 454     | 393     | 566     | 740     |
| Other Oceania.....                                                        | 153                           | 284                       | -----                     | -----   | -----   | -----   | -----   | -----   |
| Africa.....                                                               | 24,838                        | 69,729                    | 109,596                   | 59,961  | 55,974  | 42,916  | 76,815  | 96,219  |
| 14. Mediterranean.....                                                    | 4,914                         | 20,830                    | 27,076                    | 14,568  | 9,277   | 10,269  | 15,117  | 23,293  |
| Algeria and Tunisia.....                                                  | <sup>10</sup> 2,357           | <sup>10</sup> 7,329       | 8,273                     | 4,520   | 2,720   | 2,100   | 2,555   | 2,533   |
| Canary Islands.....                                                       | 752                           | 2,110                     | 3,042                     | 1,930   | 1,179   | 1,481   | 1,458   | 1,489   |
| Egypt.....                                                                | 1,688                         | 8,221                     | 11,084                    | 5,269   | 2,707   | 3,817   | 6,867   | 10,474  |
| Italian Africa.....                                                       | 50                            | 63                        | 56                        | 72      | 196     | 134     | 276     | 4,558   |
| Morocco.....                                                              | 51                            | 2,445                     | 3,691                     | 2,431   | 2,142   | 2,158   | 3,071   | 3,477   |
| Spanish Africa, n. e. s.....                                              | 17                            | 661                       | 920                       | 346     | 334     | 429     | 890     | 793     |
| 15. Other Africa.....                                                     | 19,724                        | 48,899                    | 82,520                    | 45,393  | 36,697  | 32,657  | 61,898  | 72,326  |
| Ethiopia.....                                                             | -----                         | 10                        | 24                        | 36      | 38      | 29      | 19      | 72      |
| Nigeria.....                                                              | 34                            | 469                       | 1,083                     | 828     | 487     | 576     | 825     | 1,093   |
| British Africa—                                                           | -----                         | -----                     | -----                     | -----   | -----   | -----   | -----   | -----   |
| West.....                                                                 | <sup>18</sup> 3,189           | 7,835                     | 11,781                    | 5,122   | 3,811   | 3,399   | 3,822   | 5,403   |
| Gold coast.....                                                           | -----                         | -----                     | <sup>19</sup> 4,780       | 2,885   | 1,691   | 1,857   | 2,072   | 3,103   |
| Nigeria.....                                                              | -----                         | -----                     | <sup>19</sup> 3,677       | 2,016   | 1,693   | 1,237   | 1,430   | 1,936   |
| Other British                                                             | -----                         | -----                     | <sup>19</sup> 2,424       | 521     | 427     | 305     | 320     | 394     |
| West Africa.....                                                          | -----                         | -----                     | -----                     | -----   | -----   | -----   | -----   | -----   |
| Union of South<br>Africa.....                                             | 12,910                        | 31,369                    | 53,108                    | 28,306  | 15,811  | 22,080  | 45,360  | 52,830  |
| Other British South<br>Africa.....                                        | -----                         | -----                     | -----                     | 300     | 171     | 375     | 910     | 761     |
| East.....                                                                 | 708                           | 2,306                     | 4,723                     | 2,092   | 1,148   | 1,041   | 1,907   | 2,544   |
| Liberia.....                                                              | 96                            | 213                       | 492                       | 177     | 107     | 97      | 233     | 358     |
| Madagascar.....                                                           | 18                            | 130                       | 409                       | 337     | 320     | 289     | 463     | 354     |
| French Africa, n. e. s.....                                               | <sup>(16)</sup> -----         | <sup>18 20</sup> 2,360    | 4,037                     | 2,868   | 2,080   | 1,697   | 2,766   | 3,593   |
| Portuguese Africa.....                                                    | 2,770                         | 4,687                     | -----                     | -----   | -----   | -----   | -----   | -----   |
| Mozambique.....                                                           | -----                         | -----                     | 5,350                     | 4,080   | 2,182   | 2,721   | 4,875   | 5,062   |
| Other.....                                                                | -----                         | -----                     | 1,513                     | 1,267   | 536     | 383     | 527     | 857     |
| Latin America (groups 2, 3,<br>4, and 5).....                             | 302,233                       | 741,692                   | 851,035                   | 345,785 | 215,806 | 240,074 | 339,750 | 378,130 |
| Far East (groups 11, 12, 13).....                                         | 166,158                       | 632,232                   | 740,569                   | 421,389 | 322,167 | 318,611 | 443,552 | 433,410 |

<sup>1</sup> See headnote.<sup>2</sup> Average, 1911-1914.<sup>3</sup> Treated as a customs district of the United States beginning Jan. 1, 1925. For trade of Virgin Islands with the United States and with foreign countries in 1935, see table 532.<sup>4</sup> Irish Free State is included in United Kingdom prior to 1925.<sup>5</sup> 1925 only.<sup>6</sup> Figures given under Austria are for Austria-Hungary.<sup>7</sup> Soviet Russia in Asia included with Soviet Russia in Europe beginning 1935.<sup>8</sup> Includes Ukraine for 1921-1924.<sup>9</sup> Albania included with Yugoslavia prior to 1932.<sup>10</sup> Turkey in Europe included with Turkey in Asia beginning 1928.

## CHANDISE, BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES—Continued

thousands of dollars]

| Imports                   |                           |                           |         |         |         |         |                   | Country                                                                                 |
|---------------------------|---------------------------|---------------------------|---------|---------|---------|---------|-------------------|-----------------------------------------------------------------------------------------|
| 1910-<br>1914,<br>average | 1921-<br>1925,<br>average | 1920-<br>1926,<br>average | 1931    | 1932    | 1933    | 1934    | 1935              |                                                                                         |
|                           |                           |                           |         |         |         |         |                   | Asia—Continued                                                                          |
| 126,208                   | 496,575                   | 536,541                   | 280,755 | 165,978 | 172,277 | 170,463 | 231,351           | 12. Eastern.                                                                            |
| 35,323                    | 142,035                   | 140,506                   | 66,759  | 26,177  | 37,807  | 43,933  | 64,200            | China.                                                                                  |
| 3,054                     | 15,937                    | 12,002                    | 5,829   | 4,277   | 3,939   | 5,280   | 8,937             | Hong Kong.                                                                              |
| 98                        | 2,739                     | 3,302                     | 1,223   | 904     | 1,347   | 1,577   | 5,312             | Kwantung.                                                                               |
| 84,999                    | 335,384                   | 379,632                   | 206,349 | 134,011 | 128,418 | 119,251 | 152,902           | Japan.                                                                                  |
| 1,734                     | 480                       | 977                       | 595     | 607     | 766     | 422     | -----             | Union of Soviet Socialist<br>Republics (Russia in<br>Asia <sup>12</sup> ). <sup>7</sup> |
| 17,276                    | 53,994                    | 53,137                    | 19,120  | 7,691   | 13,190  | 14,565  | 26,481            | 13. Oceania.                                                                            |
| 12,312                    | 37,534                    | 33,072                    | 12,504  | 4,643   | 7,680   | 8,518   | 14,553            | Australia.                                                                              |
| 3,758                     | 13,821                    | 16,632                    | 4,433   | 2,158   | 4,793   | 5,592   | 10,359            | New Zealand.                                                                            |
| 118                       | 864                       | 1,556                     | 835     | 451     | 302     | 111     | 175               | British Oceania.                                                                        |
| 1,048                     | 1,439                     | 1,877                     | 1,348   | 438     | 415     | 343     | 1,294             | French Oceania.                                                                         |
| 40                        | 288                       | -----                     | -----   | -----   | -----   | -----   | -----             | Other Oceania.                                                                          |
| 22,573                    | 71,499                    | 91,207                    | 32,888  | 24,241  | 28,285  | 33,328  | 41,729            | Africa.                                                                                 |
| 18,096                    | 36,232                    | 36,027                    | 8,963   | 6,783   | 8,432   | 11,891  | 13,151            | 14. Mediterranean.                                                                      |
| <sup>16</sup> 733         | <sup>16</sup> 2,096       | 4,229                     | 1,818   | 1,211   | 1,326   | 1,764   | 3,026             | Algeria and Tunisia.                                                                    |
| 139                       | 249                       | 581                       | 256     | 191     | 187     | 248     | 228               | Canary Islands.                                                                         |
| 16,887                    | 33,471                    | 30,092                    | 4,017   | 4,849   | 6,128   | 8,954   | 8,911             | Egypt.                                                                                  |
| 106                       | 21                        | 35                        | 110     | 54      | 118     | 213     | 214               | Italian Africa.                                                                         |
| 232                       | 394                       | 1,089                     | 762     | 472     | 653     | 699     | 772               | Morocco.                                                                                |
| -----                     | ( <sup>17</sup> )         | 1                         | -----   | 6       | 10      | 12      | ( <sup>17</sup> ) | Spanish Africa, n. e. s.                                                                |
| 4,477                     | 35,267                    | 55,181                    | 25,925  | 17,457  | 19,843  | 21,436  | 28,571            | 15. Other Africa.                                                                       |
| 1                         | 2                         | 1,916                     | 41      | 229     | 181     | 522     | 499               | Ethiopia.                                                                               |
| 7                         | 909                       | 1,813                     | 2,576   | 1,204   | 1,614   | 1,600   | 2,416             | Belgian Congo.                                                                          |
| <sup>18</sup> 749         | 12,843                    | 23,245                    | 12,476  | 8,932   | 9,264   | 9,200   | 13,905            | British Africa—                                                                         |
| -----                     | -----                     | <sup>19</sup> 4,780       | 6,238   | 5,631   | 5,818   | 5,317   | 8,497             | West.                                                                                   |
| -----                     | -----                     | <sup>19</sup> 3,677       | 6,021   | 3,157   | 3,326   | 3,633   | 5,086             | Gold coast.                                                                             |
| -----                     | -----                     | <sup>19</sup> 2,424       | 217     | 144     | 120     | 250     | 322               | Nigeria.                                                                                |
| 2,463                     | 9,292                     | 10,875                    | 4,404   | 2,302   | 3,895   | 2,859   | 3,850             | Other British                                                                           |
| -----                     | -----                     | -----                     | 86      | 108     | 215     | 356     | 411               | West Africa.                                                                            |
| 942                       | 1,750                     | 2,410                     | 1,325   | 1,843   | 1,630   | 2,515   | 2,442             | Union of South                                                                          |
| 2                         | 29                        | 180                       | 29      | 5       | 11      | 39      | 179               | Africa.                                                                                 |
| 33                        | 207                       | 248                       | 143     | 96      | 133     | 343     | 422               | Other British South                                                                     |
| ( <sup>16</sup> )         | <sup>16</sup> 775         | 1,817                     | 2,296   | 1,343   | 845     | 1,260   | 2,577             | Africa.                                                                                 |
| 280                       | 9,615                     | -----                     | -----   | -----   | -----   | -----   | 1,871             | East.                                                                                   |
| -----                     | -----                     | 4,311                     | 2,501   | 1,282   | 1,857   | 2,512   | 1,723             | Liberia.                                                                                |
| -----                     | -----                     | 90                        | 48      | 113     | 198     | 232     | 148               | Madagascar.                                                                             |
| 435,476                   | 935,569                   | 1,006,245                 | 547,120 | 358,009 | 389,396 | 389,682 | 482,881           | French Africa, n. e. s.                                                                 |
| 282,233                   | 975,594                   | 1,214,783                 | 574,248 | 358,428 | 422,524 | 488,753 | 612,555           | Portuguese Africa.                                                                      |
|                           |                           |                           |         |         |         |         |                   | Mozambique.                                                                             |
|                           |                           |                           |         |         |         |         |                   | Other.                                                                                  |
|                           |                           |                           |         |         |         |         |                   | Latin America (groups 2, 3,<br>4, and 5).                                               |
|                           |                           |                           |         |         |         |         |                   | Far East (groups 11, 12, 13).                                                           |

<sup>11</sup> Average for years 1926 and 1927. See note 10.<sup>12</sup> Serbia and Montenegro.<sup>13</sup> Includes Greece in Asia and Armenia and Kurdistan for 1921-1924.<sup>14</sup> Other British East Indies prior to 1922.<sup>15</sup> Includes Far Eastern Republic reported separately for 1921-1924.<sup>16</sup> Figures given under Algeria and Tunisia include French Africa, n. e. s., for years prior to 1922.<sup>17</sup> Less than \$500.<sup>18</sup> Includes Kamerun.<sup>19</sup> 2-year average, 1929 and 1930.<sup>20</sup> Average, 1922-1925.

## No. 516.—FREE AND DUTIABLE IMPORTS BY PRINCIPAL COUNTRIES

NOTE.—Figures represent general imports in 1933, imports for consumption thereafter

[All figures except percentages in thousands of dollars]

| Country                             | 1933    |          |               | 1934    |          |               | 1935      |          |               |
|-------------------------------------|---------|----------|---------------|---------|----------|---------------|-----------|----------|---------------|
|                                     | Free    | Dutiable | Per cent free | Free    | Dutiable | Per cent free | Free      | Dutiable | Per cent free |
| Grand total.....                    | 878,100 | 571,459  | 60.6          | 881,161 | 644,842  | 60.6          | 1,205,987 | 832,918  | 59.1          |
| Northern North America.....         | 134,020 | 56,631   | 70.3          | 152,742 | 80,850   | 65.4          | 179,775   | 113,182  | 61.3          |
| Canada.....                         | 120,927 | 55,482   | 70.1          | 148,504 | 78,750   | 66.3          | 174,415   | 11,097   | 90.0          |
| Newfoundland and Labrador.....      | 3,939   | 815      | 82.9          | 4,031   | 1,211    | 76.9          | 4,904     | 1,200    | 80.4          |
| Southern North America.....         | 50,085  | 77,091   | 39.4          | 64,067  | 93,596   | 40.6          | 78,366    | 130,548  | 37.5          |
| Mexico.....                         | 16,704  | 14,012   | 54.4          | 21,906  | 13,040   | 62.7          | 26,792    | 15,192   | 63.8          |
| Central American countries.....     | 22,208  | 405      | 98.2          | 23,187  | 612      | 97.4          | 28,547    | 601      | 97.9          |
| Cuba.....                           | 4,540   | 53,958   | 7.8           | 6,021   | 72,740   | 7.6           | 6,749     | 104,001  | 6.0           |
| Other West Indies and Bermudas..... | 6,573   | 8,716    | 43.0          | 12,944  | 7,203    | 64.2          | 16,280    | 10,155   | 61.6          |
| South America.....                  | 144,871 | 57,609   | 71.5          | 178,228 | 48,738   | 78.5          | 191,972   | 86,855   | 68.3          |
| Argentina.....                      | 7,178   | 26,663   | 21.2          | 10,521  | 18,914   | 35.7          | 12,427    | 51,420   | 10.5          |
| Bolivia.....                        | 55      | 50       | 52.4          | 76      | 19       | 80.0          | 205       | 11       | 94.9          |
| Brazil.....                         | 79,559  | 3,059    | 96.3          | 87,828  | 4,147    | 95.6          | 90,974    | 8,281    | 91.6          |
| Chile.....                          | 7,356   | 4,147    | 63.9          | 20,174  | 1,440    | 93.3          | 22,370    | 2,357    | 90.6          |
| Colombia.....                       | 42,213  | 5,424    | 88.6          | 43,703  | 3,202    | 93.1          | 49,455    | 626      | 98.9          |
| Ecuador.....                        | 901     | 987      | 47.7          | 2,283   | 825      | 73.5          | 2,837     | 480      | 80.0          |
| Peru.....                           | 1,190   | 4,282    | 21.8          | 5,211   | 499      | 91.3          | 5,702     | 1,031    | 84.7          |
| Uruguay.....                        | 602     | 3,171    | 16.0          | 734     | 3,954    | 15.7          | 712       | 6,170    | 10.3          |
| Venezuela.....                      | 4,707   | 8,744    | 35.0          | 7,487   | 14,188   | 34.5          | 7,002     | 14,453   | 32.6          |
| Europe.....                         | 180,235 | 281,954  | 39.0          | 173,754 | 307,451  | 36.1          | 225,781   | 385,022  | 38.2          |
| Belgium.....                        | 6,186   | 16,977   | 26.7          | 8,395   | 18,060   | 31.7          | 10,859    | 28,525   | 27.6          |
| Czechoslovakia.....                 | 1,349   | 13,302   | 9.2           | 1,389   | 16,278   | 7.9           | 1,954     | 18,682   | 9.5           |
| Denmark.....                        | 339     | 1,447    | 19.0          | 301     | 1,528    | 16.6          | 1,094     | 2,199    | 32.2          |
| France.....                         | 14,490  | 35,212   | 29.2          | 16,909  | 40,422   | 29.5          | 19,796    | 38,782   | 33.8          |
| Germany.....                        | 21,034  | 50,251   | 28.1          | 20,263  | 48,587   | 20.4          | 23,433    | 54,903   | 29.9          |
| Greece.....                         | 1,107   | 4,880    | 18.5          | 1,144   | 7,566    | 13.1          | 1,388     | 7,758    | 15.2          |
| Italy.....                          | 9,754   | 28,817   | 25.3          | 4,982   | 31,777   | 13.6          | 5,539     | 32,103   | 14.7          |
| Netherlands.....                    | 15,088  | 15,861   | 48.7          | 10,033  | 17,946   | 35.9          | 14,345    | 24,980   | 36.5          |
| Norway.....                         | 6,493   | 6,967    | 49.3          | 8,015   | 8,487    | 48.6          | 8,731     | 8,760    | 40.0          |
| Spain.....                          | 5,187   | 6,161    | 45.7          | 5,188   | 6,359    | 44.9          | 8,058     | 9,078    | 46.4          |
| Sweden.....                         | 4,897   | 8,894    | 35.7          | 5,944   | 12,001   | 33.0          | 6,655     | 13,037   | 29.3          |
| Switzerland.....                    | 26,343  | 4,029    | 85.1          | 28,518  | 5,494    | 83.8          | 34,155    | 7,070    | 82.8          |
| United Kingdom.....                 | 1,080   | 13,471   | 7.4           | 1,253   | 13,652   | 8.2           | 1,673     | 14,524   | 6.8           |
|                                     | 52,378  | 58,840   | 47.1          | 44,944  | 66,325   | 40.4          | 67,692    | 84,035   | 44.0          |
| Asia.....                           | 340,638 | 85,232   | 80.0          | 388,674 | 100,561  | 79.4          | 481,209   | 118,914  | 80.3          |
| British India.....                  | 14,406  | 29,353   | 32.9          | 18,491  | 36,392   | 33.7          | 25,076    | 30,017   | 40.4          |
| British Malaya.....                 | 59,702  | 210      | 99.6          | 105,132 | 221      | 99.8          | 131,420   | 230      | 99.8          |
| Ceylon.....                         | 6,746   | 288      | 96.2          | 11,239  | 319      | 97.2          | 10,981    | 387      | 96.6          |
| China.....                          | 23,974  | 13,833   | 63.4          | 29,220  | 14,028   | 67.6          | 42,021    | 20,778   | 65.9          |
| Netherland India.....               | 31,731  | 1,345    | 95.9          | 40,355  | 1,792    | 95.7          | 48,366    | 1,820    | 96.3          |
| Hong Kong.....                      | 2,473   | 1,466    | 62.8          | 3,084   | 2,026    | 60.3          | 6,197     | 2,516    | 71.1          |
| Japan.....                          | 102,413 | 20,005   | 79.7          | 84,094  | 33,869   | 71.3          | 107,301   | 44,097   | 70.2          |
| Philippine Islands.....             | 93,047  | 1        | 100.0         | 88,569  | 1        | 100.0         | 96,945    | 28       | 99.9          |
| Oceania.....                        | 9,308   | 3,882    | 70.8          | 10,696  | 3,751    | 74.0          | 17,529    | 8,420    | 67.5          |
| Australia.....                      | 5,124   | 2,556    | 66.7          | 5,966   | 2,646    | 68.3          | 10,157    | 4,340    | 70.1          |
| New Zealand.....                    | 3,480   | 1,313    | 72.6          | 4,321   | 1,070    | 80.1          | 5,987     | 3,999    | 66.9          |
| Africa.....                         | 19,205  | 9,060    | 67.9          | 22,981  | 10,076   | 69.5          | 31,375    | 9,977    | 75.9          |
| British South Africa.....           | 3,223   | 887      | 78.4          | 2,773   | 410      | 87.1          | 3,668     | 541      | 87.1          |
| British West Africa.....            | 8,831   | 424      | 95.3          | 8,077   | 985      | 89.1          | 12,431    | 1,200    | 90.0          |
| Egypt.....                          | 724     | 5,404    | 11.8          | 837     | 7,740    | 9.8           | 1,834     | 6,011    | 21.9          |

1 Includes Russia in Asia beginning 1935.

# No. 517.—EXPORTS (INCLUDING REEXPORTS) AND IMPORTS OF MERCHANDISE, AND DUTIES COLLECTED, BY CUSTOMS DISTRICTS

NOTE.—“Duties collected” are as reported to the Treasury Department by collectors, subject in certain cases to subsequent refund as well as drawback. These figures are somewhat higher than duties as calculated on the basis of imports for consumption as shown in table 505

[All figures in thousands of dollars]

| Customs district                  | Exports, domestic and foreign |             |             | Imports <sup>1</sup> |             |             | Duties collected    |
|-----------------------------------|-------------------------------|-------------|-------------|----------------------|-------------|-------------|---------------------|
|                                   | 1933                          | 1934        | 1935        | 1933                 | 1934        | 1935        | 1935                |
| Total.....                        | 1, 674, 994                   | 2, 132, 800 | 2, 282, 874 | 1, 448, 569          | 1, 636, 003 | 2, 038, 905 | 385, 765            |
| North Atlantic coast.....         | 572, 319                      | 810, 684    | 884, 112    | 950, 154             | 1, 049, 965 | 1, 898, 228 | 228, 174            |
| Maine and New Hampshire.....      | 5, 402                        | 6, 440      | 7, 259      | 13, 393              | 14, 495     | 16, 841     | 596                 |
| Massachusetts.....                | 11, 963                       | 16, 671     | 24, 575     | 93, 185              | 97, 615     | 110, 533    | 24, 321             |
| Rhode Island.....                 | 108                           | 104         | 186         | 2, 623               | 3, 337      | 3, 858      | 1, 420              |
| Connecticut.....                  | 10                            | 10          | 10          | 1, 806               | 1, 961      | 2, 130      | 760                 |
| New York.....                     | 506, 982                      | 733, 875    | 790, 336    | 745, 256             | 834, 159    | 1, 033, 124 | 176, 930            |
| Philadelphia.....                 | 47, 848                       | 54, 595     | 61, 756     | 91, 012              | 98, 398     | 119, 742    | 23, 645             |
| South Atlantic coast.....         | 147, 335                      | 207, 987    | 220, 448    | 87, 382              | 108, 514    | 121, 875    | 32, 047             |
| Maryland.....                     | 25, 583                       | 40, 043     | 35, 841     | 45, 933              | 52, 229     | 54, 867     | 10, 185             |
| Virginia.....                     | 76, 298                       | 119, 235    | 122, 579    | 17, 104              | 24, 443     | 29, 201     | 6, 714              |
| North Carolina.....               | 5, 730                        | 11, 126     | 16, 786     | 7, 624               | 12, 579     | 12, 510     | 10, 058             |
| South Carolina.....               | 13, 400                       | 10, 425     | 15, 758     | 3, 741               | 4, 747      | 5, 112      | 403                 |
| Georgia.....                      | 23, 735                       | 23, 216     | 27, 503     | 6, 833               | 7, 754      | 12, 754     | 2, 539              |
| Puerto Rico.....                  | 2, 449                        | 2, 723      | 1, 915      | 5, 147               | 6, 762      | 6, 595      | <sup>2</sup> 2, 148 |
| Virgin Islands <sup>3</sup> ..... |                               |             | 65          |                      |             | 837         | ( <sup>4</sup> )    |
| Gulf coast.....                   | 502, 051                      | 510, 009    | 533, 642    | 100, 781             | 113, 365    | 152, 988    | 21, 782             |
| Florida.....                      | 29, 869                       | 34, 356     | 36, 486     | 10, 303              | 11, 933     | 14, 171     | 2, 162              |
| Mobile.....                       | 25, 893                       | 28, 191     | 30, 577     | 3, 437               | 3, 826      | 6, 392      | 872                 |
| New Orleans.....                  | 120, 756                      | 146, 156    | 161, 934    | 75, 447              | 79, 863     | 105, 663    | 14, 316             |
| Batavia.....                      | 44, 321                       | 49, 253     | 54, 586     | 761                  | 1, 467      | 1, 666      | 227                 |
| Galveston.....                    | 275, 182                      | 262, 063    | 249, 779    | 10, 813              | 16, 276     | 25, 097     | 4, 395              |
| Mexican border.....               | 41, 852                       | 47, 783     | 57, 004     | 4, 031               | 6, 359      | 11, 239     | 5, 354              |
| San Antonio.....                  | 36, 400                       | 39, 049     | 46, 118     | 1, 660               | 4, 219      | 6, 105      | 2, 360              |
| El Paso.....                      | 3, 141                        | 5, 576      | 7, 409      | 838                  | 1, 246      | 2, 165      | 1, 066              |
| Arizona.....                      | 2, 311                        | 3, 158      | 3, 477      | 1, 533               | 894         | 2, 969      | 1, 028              |
| Pacific coast.....                | 197, 666                      | 259, 414    | 280, 079    | 121, 083             | 122, 805    | 170, 219    | 26, 304             |
| Washington.....                   | 37, 326                       | 53, 740     | 49, 539     | 23, 302              | 23, 367     | 33, 777     | 4, 187              |
| Oregon.....                       | 14, 738                       | 22, 297     | 17, 521     | 4, 892               | 4, 812      | 8, 325      | 1, 405              |
| San Francisco.....                | 84, 512                       | 91, 686     | 108, 393    | 55, 514              | 54, 976     | 71, 669     | 10, 977             |
| Los Angeles.....                  | 58, 111                       | 86, 261     | 98, 393     | 25, 814              | 31, 837     | 48, 254     | 7, 816              |
| San Diego.....                    | 2, 137                        | 3, 702      | 4, 632      | 1, 197               | 1, 781      | 2, 312      | 285                 |
| Alaska.....                       | 166                           | 323         | 292         | 181                  | 271         | 254         | 7                   |
| Hawaii.....                       | 676                           | 1, 316      | 1, 338      | 5, 233               | 5, 761      | 5, 628      | 1, 626              |
| Northern border.....              | 209, 853                      | 297, 532    | 307, 586    | 175, 740             | 216, 964    | 273, 475    | 37, 326             |
| Vermont.....                      | 16, 032                       | 22, 693     | 25, 046     | 14, 966              | 17, 653     | 22, 330     | 1, 911              |
| St. Lawrence.....                 | 21, 187                       | 28, 543     | 25, 803     | 28, 760              | 27, 321     | 28, 493     | 1, 181              |
| Rochester.....                    | 4, 751                        | 6, 968      | 5, 299      | 2, 349               | 3, 122      | 3, 841      | 1, 207              |
| Buffalo.....                      | 50, 825                       | 64, 839     | 69, 805     | 40, 800              | 48, 927     | 75, 043     | 10, 358             |
| Ohio.....                         | 14, 738                       | 23, 082     | 21, 252     | 7, 580               | 10, 213     | 13, 107     | 2, 612              |
| Michigan.....                     | 82, 058                       | 124, 358    | 129, 243    | 40, 537              | 48, 407     | 54, 009     | 3, 956              |
| Chicago.....                      | 5, 398                        | 4, 405      | 3, 932      | 24, 929              | 30, 397     | 38, 564     | 11, 756             |
| Wisconsin.....                    | 1, 156                        | 1, 023      | 403         | 4, 815               | 7, 012      | 8, 553      | 1, 221              |
| Duluth and Superior.....          | 1, 724                        | 3, 592      | 4, 831      | 6, 097               | 14, 543     | 14, 199     | 1, 786              |
| Dakota.....                       | 9, 630                        | 14, 930     | 16, 865     | 7, 105               | 8, 646      | 14, 524     | 1, 213              |
| Montana and Idaho.....            | 2, 163                        | 4, 100      | 5, 105      | 802                  | 728         | 753         | 125                 |
| Interior.....                     |                               | 11          | 3           | 9, 408               | 18, 080     | 22, 881     | 14, 738             |
| Pittsburgh.....                   |                               |             |             | 1, 911               | 4, 168      | 5, 650      | 4, 000              |
| Kentucky.....                     |                               |             |             | 769                  | 1, 572      | 2, 063      | 890                 |
| Tennessee.....                    |                               |             |             | 149                  | 199         | 302         | 119                 |
| Indiana.....                      |                               |             |             | 707                  | 4, 615      | 5, 699      | 5, 890              |
| Iowa.....                         |                               |             |             | 64                   | 76          | 58          | 26                  |
| Omaha.....                        |                               |             |             | 355                  | 1, 172      | 604         | 251                 |
| St. Louis.....                    |                               |             |             | 3, 812               | 3, 978      | 4, 450      | 1, 807              |
| Minnesota.....                    |                               | 11          | 3           | 1, 202               | 1, 676      | 3, 688      | 1, 595              |
| Colorado.....                     |                               |             |             | 432                  | 544         | 333         | 201                 |
| Utah and Nevada.....              |                               |             |             | 17                   | 30          | 34          | 19                  |
| Parcel post.....                  | <sup>5</sup> 4, 118           |             |             |                      |             |             |                     |

<sup>1</sup> General imports in 1933; imports for consumption thereafter.

<sup>2</sup> Total duties collected. This amount less the cost of collection is turned into the island treasury.

<sup>3</sup> Treated as a customs district in import and export statistics beginning Jan. 1, 1935.

<sup>4</sup> Duties collected are paid into the island treasury and are not included in the United States customs statistics.

<sup>5</sup> Figures cover the period January-June 1933; data are not available during the period July 1, 1933-Dec. 31, 1935, inclusive. Parcel-post export statistics resumed Jan. 1, 1935.

# No. 518.—EXPORTS (INCLUDING REEXPORTS) AND IMPORTS OF MERCHANDISE, BY GROUPS OF CUSTOMS DISTRICTS

NOTE.—All figures in thousands of dollars. For basis of dollar values, except export figures for 1885 and 1870-78, see general note, p. 427. Export figures for those years represent mixed gold and currency values and hence do not agree with the specie values given for total exports in other tables. Figures cover fiscal years to and including 1915, calendar years beginning 1916. Import data are "general imports" through 1933; "imports for consumption" thereafter. Exports and imports of the interior districts, a small percentage of the total, are not included in this table

| Year or<br>yearly<br>average | Atlantic coast |           | Gulf coast |         | Mexican<br>border |         | Pacific coast |         | Northern<br>border |         |
|------------------------------|----------------|-----------|------------|---------|-------------------|---------|---------------|---------|--------------------|---------|
|                              | Exports        | Imports   | Exports    | Imports | Exports           | Imports | Exports       | Imports | Exports            | Imports |
| 1860-----                    | 160,216        | 304,577   | 153,680    | 22,303  | 1,012             | 528     | 4,981         | 7,372   | 13,688             | 18,836  |
| 1865-----                    | 257,459        | 193,741   | 3,622      | 1,470   |                   |         | 10,905        | 15,948  | 16,228             | 27,680  |
| 1870-----                    | 293,440        | 370,614   | 146,020    | 16,606  | 2,213             | 959     | 14,647        | 16,241  | 16,043             | 31,939  |
| 1871-1875----                | 390,886        | 501,968   | 123,677    | 20,099  | 2,719             | 1,440   | 21,681        | 26,039  | 22,318             | 22,828  |
| 1876-1880----                | 533,477        | 425,404   | 107,452    | 12,430  | 3,114             | 1,707   | 33,466        | 30,326  | 25,028             | 22,703  |
| 1881-1885----                | 589,552        | 572,760   | 114,719    | 13,834  | 4,431             | 2,200   | 50,742        | 40,285  | 32,649             | 37,141  |
| 1886-1890----                | 548,775        | 594,176   | 112,611    | 14,204  | 3,640             | 6,413   | 42,352        | 46,455  | 31,000             | 48,514  |
| 1891-1895----                | 655,100        | 651,233   | 140,229    | 21,407  | 3,597             | 9,619   | 44,260        | 46,683  | 44,236             | 48,246  |
| 1896-1900----                | 813,189        | 611,207   | 188,587    | 18,356  | 15,051            | 4,579   | 60,712        | 49,627  | 79,727             | 50,247  |
| 1901-1905----                | 923,383        | 776,744   | 297,581    | 37,652  | 25,364            | 12,931  | 81,029        | 55,747  | 126,276            | 76,141  |
| 1906-1910----                | 1,058,433      | 1,052,156 | 408,656    | 60,901  | 33,074            | 10,980  | 86,229        | 82,813  | 192,242            | 112,757 |
| 1911-1915----                | 1,364,246      | 1,278,963 | 513,960    | 100,153 | 22,785            | 24,708  | 135,718       | 128,019 | 333,493            | 159,878 |
| 1915-1920 <sup>1</sup> ----  | 4,234,998      | 2,245,780 | 946,590    | 185,341 | 49,361            | 41,471  | 449,006       | 429,557 | 840,306            | 432,186 |
| 1921-1925----                | 2,207,289      | 2,296,418 | 1,083,592  | 233,228 | 73,826            | 17,117  | 374,062       | 421,082 | 653,791            | 456,922 |
| 1926-1930----                | 2,224,224      | 2,676,493 | 1,082,472  | 275,442 | 62,006            | 30,008  | 526,059       | 485,671 | 825,639            | 635,040 |
| 1931-1935----                | 935,052        | 1,195,993 | 602,979    | 119,062 | 45,478            | 8,662   | 248,645       | 147,815 | 287,559            | 220,029 |
| 1893-----                    | 624,278        | 717,360   | 125,592    | 24,682  | 12,152            | 13,826  | 42,230        | 48,315  | 43,413             | 52,023  |
| 1894-----                    | 670,266        | 537,464   | 126,788    | 20,681  | 7,345             | 8,229   | 34,569        | 41,241  | 63,143             | 41,693  |
| 1895-----                    | 590,398        | 613,737   | 122,138    | 16,709  | 8,955             | 2,435   | 30,061        | 40,290  | 49,901             | 51,017  |
| 1896-----                    | 635,842        | 645,204   | 131,320    | 17,548  | 10,984            | 3,687   | 44,071        | 49,174  | 60,390             | 50,153  |
| 1897-----                    | 733,205        | 639,407   | 181,259    | 10,991  | 13,999            | 4,135   | 58,925        | 43,908  | 63,596             | 60,066  |
| 1898-----                    | 862,326        | 602,146   | 201,848    | 13,003  | 12,135            | 5,065   | 74,183        | 50,264  | 80,081             | 39,478  |
| 1899-----                    | 870,765        | 576,169   | 194,390    | 17,483  | 15,820            | 4,632   | 56,204        | 45,873  | 89,404             | 45,588  |
| 1900-----                    | 953,589        | 693,113   | 234,108    | 23,693  | 22,320            | 5,378   | 70,175        | 58,916  | 104,267            | 50,943  |
| 1901-----                    | 1,002,841      | 670,622   | 285,465    | 28,670  | 21,147            | 10,142  | 69,534        | 48,203  | 107,939            | 57,120  |
| 1902-----                    | 895,445        | 724,371   | 263,079    | 31,077  | 24,231            | 13,704  | 67,515        | 54,301  | 111,441            | 67,756  |
| 1903-----                    | 904,172        | 821,252   | 265,621    | 38,378  | 25,936            | 13,377  | 79,253        | 66,305  | 125,760            | 82,054  |
| 1904-----                    | 897,105        | 779,237   | 334,795    | 43,924  | 29,261            | 12,450  | 65,723        | 67,499  | 132,482            | 83,744  |
| 1905-----                    | 917,350        | 858,239   | 319,544    | 48,210  | 26,245            | 14,981  | 108,122       | 62,257  | 152,300            | 90,080  |
| 1906-----                    | 1,061,778      | 974,563   | 368,723    | 53,984  | 34,925            | 16,945  | 101,770       | 66,324  | 176,665            | 97,928  |
| 1907-----                    | 1,079,770      | 1,133,032 | 489,278    | 62,908  | 41,101            | 18,001  | 92,030        | 91,140  | 198,674            | 109,172 |
| 1908-----                    | 1,165,761      | 907,185   | 598,552    | 59,341  | 33,101            | 10,869  | 94,207        | 81,982  | 181,147            | 114,874 |
| 1909-----                    | 976,963        | 1,018,847 | 499,631    | 59,589  | 27,136            | 16,178  | 69,949        | 85,962  | 179,329            | 112,600 |
| 1910-----                    | 1,018,144      | 1,227,155 | 599,100    | 68,705  | 29,106            | 22,911  | 73,189        | 88,657  | 225,368            | 129,123 |
| 1911-----                    | 1,166,469      | 1,163,540 | 487,929    | 82,148  | 30,397            | 20,364  | 94,261        | 102,703 | 269,890            | 137,724 |
| 1912-----                    | 1,262,679      | 1,288,101 | 453,974    | 92,245  | 27,194            | 22,512  | 127,642       | 111,488 | 322,371            | 187,882 |
| 1913-----                    | 1,348,811      | 1,376,850 | 543,077    | 103,612 | 24,903            | 27,060  | 148,856       | 128,895 | 401,998            | 153,613 |
| 1914-----                    | 1,304,109      | 1,374,621 | 556,388    | 120,372 | 16,630            | 32,803  | 130,243       | 138,161 | 341,183            | 205,273 |
| 1915-----                    | 1,789,189      | 2,212,656 | 608,433    | 102,388 | 24,801            | 20,801  | 173,683       | 158,853 | 332,020            | 164,597 |
| 1915 (6 mos.)--              | 1,303,840      | 638,241   | 223,556    | 44,396  | 9,766             | 13,024  | 97,319        | 105,067 | 218,381            | 105,393 |
| 1916-----                    | 3,826,421      | 1,654,404 | 624,381    | 114,268 | 23,501            | 42,970  | 337,920       | 294,973 | 670,418            | 268,982 |
| 1917-----                    | 4,287,541      | 1,798,340 | 603,341    | 144,478 | 48,420            | 46,144  | 380,024       | 539,336 | 844,136            | 404,861 |
| 1918-----                    | 3,758,942      | 1,829,544 | 776,176    | 156,390 | 47,556            | 52,414  | 538,987       | 568,663 | 1,027,428          | 409,011 |
| 1919-----                    | 5,211,140      | 2,629,614 | 1,236,148  | 220,298 | 58,021            | 35,195  | 599,000       | 463,127 | 817,116            | 529,496 |
| 1920-----                    | 4,904,606      | 3,801,648 | 1,683,476  | 339,513 | 84,220            | 38,345  | 511,233       | 391,458 | 1,044,482          | 665,789 |
| 1921-----                    | 2,378,557      | 1,723,488 | 1,076,736  | 158,231 | 103,543           | 10,113  | 311,606       | 190,308 | 614,591            | 408,411 |
| 1922-----                    | 1,938,344      | 2,024,214 | 914,469    | 188,420 | 57,012            | 11,300  | 312,357       | 430,152 | 609,598            | 440,266 |
| 1923-----                    | 2,070,261      | 2,534,277 | 981,854    | 237,670 | 59,664            | 20,155  | 371,672       | 480,679 | 674,231            | 486,843 |
| 1924-----                    | 2,245,602      | 2,367,723 | 1,194,452  | 281,881 | 73,263            | 20,343  | 447,311       | 477,302 | 698,946            | 441,717 |
| 1925-----                    | 2,403,680      | 2,839,389 | 1,295,444  | 300,038 | 75,759            | 23,673  | 427,475       | 526,969 | 681,437            | 507,873 |
| 1926-----                    | 2,308,548      | 2,953,131 | 1,120,944  | 325,614 | 72,831            | 26,317  | 518,888       | 548,102 | 750,473            | 543,498 |
| 1927-----                    | 2,297,143      | 2,774,503 | 1,106,918  | 285,373 | 77,120            | 27,623  | 500,125       | 510,569 | 856,284            | 555,002 |
| 1928-----                    | 2,280,374      | 2,677,130 | 1,227,757  | 284,676 | 95,464            | 30,394  | 561,007       | 504,695 | 924,741            | 504,114 |
| 1929-----                    | 2,424,282      | 2,931,459 | 1,240,328  | 283,941 | 115,668           | 39,595  | 505,015       | 523,543 | 930,771            | 585,417 |
| 1930-----                    | 1,800,794      | 2,041,245 | 822,412    | 197,706 | 101,953           | 26,087  | 449,280       | 343,446 | 645,123            | 427,172 |
| 1931-----                    | 1,167,773      | 1,461,408 | 502,108    | 139,074 | 47,959            | 13,887  | 303,038       | 194,948 | 389,335            | 264,791 |
| 1932-----                    | 965,222        | 914,158   | 467,055    | 98,621  | 32,794            | 7,827   | 203,026       | 130,018 | 328,689            | 168,175 |
| 1933-----                    | 719,634        | 1,037,539 | 502,061    | 100,761 | 41,852            | 4,031   | 197,666       | 121,083 | 200,653            | 176,740 |
| 1934-----                    | 1,018,051      | 1,158,479 | 510,099    | 113,365 | 47,783            | 6,358   | 259,414       | 122,805 | 297,932            | 216,964 |
| 1935-----                    | 1,104,560      | 1,408,103 | 533,642    | 152,988 | 57,004            | 11,239  | 280,079       | 170,219 | 307,636            | 273,475 |

<sup>1</sup> Period July 1, 1915, to Dec. 31, 1920.

# No. 519.—EXPORTS (INCLUDING REEXPORTS) AND IMPORTS OF MERCHANDISE, BY PRINCIPAL CUSTOMS DISTRICTS

NOTE.—All figures in thousands of dollars. For basis of dollar values, except export figures for 1865 and 1870-78, see general note, p. 427. Export figures for those years represent mixed gold and currency values. Figures cover fiscal years to and including 1916; thereafter, calendar years. Import data are "general imports" through 1933; "imports for consumption" thereafter. Areas of districts were rearranged July 1, 1913. Prior to that date some of the districts were more restricted. However, in most cases this change only slightly affects the comparability of the figures. Prior to 1914 the statistics given in the table for Buffalo include the (former) districts of Buffalo Creek and Niagara; those for Michigan include the (former) districts of Superior, Huron, and Detroit; and those for Massachusetts and Maryland were the former districts of Boston and Baltimore, respectively.

| Year or yearly average | Massachusetts |          | New York    |             | Philadelphia |          | Maryland |          | Georgia  |          |
|------------------------|---------------|----------|-------------|-------------|--------------|----------|----------|----------|----------|----------|
|                        | Ex-ports      | Im-ports | Exports     | Imports     | Ex-ports     | Im-ports | Ex-ports | Im-ports | Ex-ports | Im-ports |
| 1860.....              | 12, 748       | 30, 334  | 80, 048     | 281, 310    | 5, 827       | 14, 612  | 8, 940   | 9, 781   | 18, 352  | 782      |
| 1865.....              | 10, 162       | 24, 390  | 202, 509    | 162, 249    | 11, 053      | 7, 038   | 12, 141  | 4, 816   | .....    | .....    |
| 1870.....              | 14, 826       | 47, 484  | 196, 615    | 281, 049    | 16, 928      | 14, 483  | 14, 511  | 19, 512  | 29, 747  | 1, 002   |
| 1871-1875.....         | 25, 334       | 59, 155  | 267, 564    | 383, 499    | 24, 907      | 22, 809  | 21, 631  | 27, 966  | 80, 749  | 807      |
| 1876-1880.....         | 47, 545       | 45, 732  | 321, 999    | 331, 362    | 45, 503      | 24, 360  | 50, 007  | 19, 098  | 20, 591  | 484      |
| 1881-1885.....         | 64, 752       | 64, 684  | 357, 502    | 453, 943    | 39, 145      | 32, 807  | 51, 007  | 13, 801  | 22, 191  | 702      |
| 1886-1890.....         | 61, 519       | 62, 591  | 322, 039    | 467, 009    | 33, 042      | 44, 150  | 51, 657  | 12, 868  | 22, 619  | 354      |
| 1891-1895.....         | 83, 827       | 68, 510  | 380, 521    | 503, 284    | 43, 432      | 57, 617  | 75, 026  | 14, 873  | 25, 020  | 387      |
| 1896-1900.....         | 110, 896      | 60, 026  | 433, 950    | 477, 123    | 56, 495      | 43, 284  | 98, 725  | 12, 390  | 27, 214  | 877      |
| 1901-1905.....         | 102, 378      | 80, 132  | 511, 464    | 597, 139    | 73, 688      | 53, 972  | 88, 505  | 22, 211  | 51, 684  | 933      |
| 1906-1910.....         | 88, 467       | 113, 207 | 639, 080    | 798, 313    | 88, 842      | 74, 278  | 91, 931  | 30, 252  | 60, 781  | 2, 352   |
| 1911-1915.....         | 70, 794       | 141, 012 | 913, 312    | 975, 410    | 74, 238      | 80, 261  | 107, 095 | 30, 196  | 64, 022  | 4, 882   |
| 1916-1920.....         | 217, 236      | 273, 049 | 2, 912, 529 | 1, 793, 482 | 415, 261     | 144, 849 | 320, 396 | 42, 282  | 139, 812 | 16, 745  |
| 1921-1925.....         | 55, 559       | 257, 227 | 1, 611, 328 | 1, 678, 784 | 117, 833     | 182, 657 | 113, 996 | 77, 089  | 71, 832  | 19, 714  |
| 1926-1930.....         | 40, 006       | 207, 496 | 1, 689, 191 | 1, 967, 949 | 100, 408     | 205, 098 | 93, 543  | 109, 108 | 73, 099  | 17, 814  |
| 1931-1935.....         | 10, 045       | 95, 799  | 678, 453    | 806, 790    | 55, 671      | 100, 712 | 32, 214  | 55, 312  | 24, 657  | 9, 320   |
| 1893.....              | 85, 400       | 70, 358  | 347, 306    | 543, 559    | 49, 402      | 66, 122  | 71, 507  | 16, 151  | 19, 840  | 338      |
| 1894.....              | 83, 972       | 53, 309  | 369, 146    | 415, 796    | 40, 501      | 53, 727  | 78, 422  | 11, 979  | 25, 527  | 353      |
| 1895.....              | 85, 505       | 66, 899  | 325, 580    | 477, 741    | 35, 043      | 48, 803  | 61, 939  | 12, 261  | 20, 524  | 426      |
| 1896.....              | 95, 851       | 70, 180  | 354, 275    | 499, 933    | 39, 567      | 43, 841  | 66, 399  | 13, 477  | 21, 409  | 274      |
| 1897.....              | 100, 867      | 90, 178  | 391, 680    | 480, 604    | 47, 305      | 43, 078  | 85, 993  | 11, 371  | 23, 443  | 416      |
| 1898.....              | 117, 532      | 61, 476  | 445, 510    | 402, 281    | 56, 244      | 31, 420  | 118, 846 | 8, 907   | 28, 938  | 392      |
| 1899.....              | 128, 037      | 52, 095  | 459, 444    | 465, 560    | 60, 950      | 41, 228  | 107, 156 | 9, 161   | 24, 030  | 376      |
| 1900.....              | 112, 196      | 72, 196  | 518, 834    | 537, 237    | 78, 406      | 51, 896  | 115, 630 | 19, 045  | 38, 252  | 480      |
| 1901.....              | 143, 708      | 61, 462  | 529, 593    | 627, 280    | 79, 354      | 43, 043  | 106, 239 | 18, 899  | 46, 739  | 645      |
| 1902.....              | 102, 404      | 71, 921  | 490, 322    | 559, 931    | 80, 383      | 47, 750  | 80, 533  | 22, 325  | 41, 525  | 572      |
| 1903.....              | 88, 126       | 96, 311  | 505, 330    | 618, 706    | 73, 532      | 59, 995  | 81, 704  | 27, 803  | 54, 141  | 1, 037   |
| 1904.....              | 80, 846       | 80, 668  | 506, 803    | 600, 171    | 71, 393      | 53, 890  | 82, 836  | 20, 346  | 53, 770  | 924      |
| 1905.....              | 87, 804       | 100, 318 | 524, 726    | 679, 629    | 63, 278      | 60, 181  | 91, 215  | 21, 131  | 62, 245  | 1, 439   |
| 1906.....              | 98, 740       | 106, 442 | 607, 180    | 734, 351    | 82, 564      | 70, 801  | 109, 225 | 30, 085  | 64, 840  | 1, 503   |
| 1907.....              | 100, 872      | 124, 433 | 627, 950    | 803, 697    | 94, 832      | 79, 870  | 104, 809 | 37, 774  | 63, 040  | 2, 204   |
| 1908.....              | 90, 051       | 93, 679  | 701, 093    | 688, 216    | 109, 261     | 63, 432  | 98, 989  | 28, 477  | 61, 695  | 2, 044   |
| 1909.....              | 79, 158       | 112, 473 | 607, 239    | 779, 309    | 84, 258      | 68, 884  | 77, 551  | 24, 022  | 50, 900  | 2, 152   |
| 1910.....              | 70, 517       | 129, 006 | 661, 986    | 935, 991    | 73, 266      | 88, 403  | 77, 382  | 29, 901  | 63, 428  | 3, 865   |
| 1911.....              | 71, 534       | 116, 597 | 772, 552    | 881, 593    | 69, 956      | 83, 627  | 85, 121  | 32, 174  | 72, 076  | 5, 297   |
| 1912.....              | 69, 692       | 129, 293 | 817, 946    | 976, 744    | 69, 070      | 85, 038  | 92, 211  | 26, 438  | 104, 287 | 5, 130   |
| 1913.....              | 60, 553       | 140, 599 | 917, 936    | 1, 048, 321 | 76, 315      | 93, 210  | 110, 474 | 32, 895  | 58, 235  | 4, 492   |
| 1914.....              | 65, 715       | 169, 916 | 804, 646    | 1, 040, 381 | 65, 183      | 96, 483  | 109, 690 | 34, 489  | 110, 695 | 6, 270   |
| 1915.....              | 107, 470      | 162, 654 | 1, 193, 581 | 931, 011    | 90, 668      | 72, 948  | 131, 978 | 24, 983  | 74, 919  | 3, 251   |
| 1916 (6 mos.).....     | 53, 707       | 81, 345  | 1, 026, 310 | 498, 617    | 77, 689      | 31, 420  | 57, 647  | 11, 938  | 20, 262  | 859      |
| 1916.....              | 183, 963      | 202, 990 | 2, 700, 403 | 1, 257, 185 | 317, 134     | 111, 411 | 291, 168 | 38, 942  | 68, 638  | 1, 684   |
| 1917.....              | 208, 532      | 229, 040 | 2, 901, 138 | 1, 361, 662 | 502, 224     | 102, 244 | 377, 376 | 36, 963  | 107, 777 | 4, 888   |
| 1918.....              | 221, 315      | 295, 915 | 2, 560, 887 | 1, 294, 415 | 425, 072     | 115, 011 | 300, 717 | 35, 983  | 111, 391 | 15, 001  |
| 1919.....              | 334, 487      | 299, 365 | 3, 456, 329 | 2, 064, 654 | 519, 564     | 153, 719 | 353, 713 | 38, 900  | 258, 682 | 15, 399  |
| 1920.....              | 192, 802      | 392, 763 | 3, 283, 873 | 2, 892, 621 | 442, 250     | 182, 879 | 381, 557 | 69, 824  | 102, 014 | 54, 267  |
| 1921.....              | 60, 251       | 194, 922 | 1, 730, 256 | 1, 332, 265 | 130, 672     | 122, 302 | 142, 810 | 41, 124  | 64, 124  | 9, 986   |
| 1922.....              | 50, 545       | 238, 507 | 1, 375, 398 | 1, 484, 685 | 126, 477     | 154, 332 | 124, 941 | 60, 069  | 67, 873  | 14, 072  |
| 1923.....              | 52, 159       | 307, 288 | 1, 518, 852 | 1, 797, 820 | 105, 507     | 219, 710 | 93, 436  | 51, 836  | 51, 483  | 28, 928  |
| 1924.....              | 57, 340       | 253, 852 | 1, 637, 698 | 1, 680, 003 | 106, 444     | 202, 597 | 100, 172 | 100, 494 | 77, 337  | 22, 666  |
| 1925.....              | 47, 494       | 321, 597 | 1, 774, 436 | 2, 074, 149 | 119, 064     | 215, 343 | 108, 614 | 94, 906  | 98, 534  | 22, 917  |
| 1926.....              | 41, 283       | 305, 879 | 1, 632, 538 | 2, 224, 904 | 97, 005      | 165, 823 | 129, 348 | 106, 241 | 104, 694 | 19, 490  |
| 1927.....              | 42, 181       | 288, 409 | 1, 726, 110 | 2, 042, 783 | 90, 911      | 204, 500 | 101, 323 | 108, 967 | 97, 228  | 18, 056  |
| 1928.....              | 45, 470       | 278, 512 | 1, 769, 904 | 1, 950, 058 | 83, 424      | 215, 692 | 98, 974  | 110, 026 | 60, 199  | 18, 394  |
| 1929.....              | 40, 763       | 290, 394 | 1, 903, 095 | 2, 152, 716 | 123, 862     | 243, 547 | 84, 231  | 116, 669 | 67, 912  | 18, 698  |
| 1930.....              | 33, 633       | 176, 199 | 1, 384, 309 | 1, 460, 227 | 101, 830     | 165, 928 | 53, 540  | 103, 736 | 45, 568  | 14, 435  |
| 1931.....              | 26, 052       | 105, 103 | 888, 707    | 1, 062, 350 | 74, 302      | 115, 296 | 34, 440  | 77, 389  | 28, 472  | 12, 556  |
| 1932.....              | 10, 936       | 72, 561  | 492, 355    | 666, 082    | 39, 856      | 79, 113  | 24, 563  | 46, 141  | 20, 309  | 6, 600   |
| 1933.....              | 11, 968       | 93, 185  | 506, 082    | 748, 235    | 47, 848      | 91, 012  | 25, 583  | 45, 933  | 23, 785  | 6, 933   |
| 1934.....              | 15, 671       | 97, 615  | 738, 875    | 834, 159    | 54, 595      | 98, 395  | 40, 643  | 52, 229  | 23, 216  | 7, 754   |
| 1935.....              | 24, 575       | 110, 533 | 790, 336    | 1, 033, 126 | 81, 756      | 119, 742 | 35, 841  | 54, 887  | 27, 503  | 12, 764  |

\*Period July 1, 1915, to Dec. 31, 1920.



# No. 519.—EXPORTS (INCLUDING REEXPORTS) AND IMPORTS OF MERCHANDISE, BY PRINCIPAL CUSTOMS DISTRICTS—Continued

[All figures in thousands of dollars]

| Year or yearly average       | New Orleans |         | Galveston |         | Buffalo |         | Chicago |         | Michigan |         |
|------------------------------|-------------|---------|-----------|---------|---------|---------|---------|---------|----------|---------|
|                              | Exports     | Imports | Exports   | Imports | Exports | Imports | Exports | Imports | Exports  | Imports |
| 1860.....                    | 108,165     | 20,636  | 5,772     | 538     | 3,049   | 4,850   | 1,165   | 60      | 3,827    | 961     |
| 1865.....                    | 3,582       | 1,464   |           |         | 991     | 7,118   | 4,590   | 311     | 2,877    | 1,441   |
| 1870.....                    | 107,587     | 14,377  | 14,874    | 509     | 353     | 9,275   | 2,613   | 736     | 3,116    | 1,736   |
| 1871-1875.....               | 90,675      | 16,694  | 15,768    | 1,612   | 789     | 7,145   | 5,053   | 911     | 6,314    | 2,461   |
| 1876-1880.....               | 78,894      | 9,796   | 15,214    | 1,155   | 578     | 5,979   | 3,389   | 474     | 9,915    | 2,994   |
| 1881-1885.....               | 86,165      | 10,683  | 21,011    | 1,982   | 412     | 8,304   | 3,223   | 2,717   | 13,969   | 5,136   |
| 1886-1890.....               | 87,059      | 11,707  | 18,319    | 663     | 493     | 9,925   | 2,013   | 12,260  | 15,664   | 5,375   |
| 1891-1895.....               | 93,628      | 15,583  | 36,707    | 776     | 4,673   | 7,069   | 3,054   | 15,853  | 16,729   | 6,081   |
| 1896-1900.....               | 99,832      | 13,833  | 65,432    | 1,385   | 15,077  | 6,030   | 4,790   | 12,936  | 26,018   | 6,609   |
| 1901-1905.....               | 147,174     | 28,215  | 114,840   | 2,055   | 30,760  | 8,465   | 5,043   | 18,150  | 39,045   | 7,973   |
| 1906-1910.....               | 153,171     | 45,945  | 185,524   | 4,717   | 47,483  | 12,562  | 4,504   | 24,769  | 62,736   | 13,426  |
| 1911-1915.....               | 179,038     | 78,668  | 241,264   | 7,611   | 82,712  | 24,321  | 10,841  | 32,000  | 102,300  | 20,907  |
| 1915-1920 <sup>1</sup> ..... | 428,107     | 149,070 | 345,984   | 15,930  | 108,686 | 88,161  | 21,379  | 40,133  | 294,375  | 61,899  |
| 1921-1925.....               | 391,842     | 167,731 | 523,904   | 30,066  | 162,006 | 77,517  | 27,681  | 46,066  | 211,729  | 76,859  |
| 1926-1930.....               | 363,633     | 201,068 | 548,254   | 31,698  | 200,103 | 136,663 | 11,866  | 48,814  | 292,545  | 93,297  |
| 1931-1935.....               | 141,734     | 84,747  | 266,712   | 15,581  | 71,650  | 52,786  | 4,288   | 28,959  | 113,119  | 47,588  |
| 1891.....                    | 109,107     | 20,267  | 33,772    | 648     | 732     | 8,809   | 2,340   | 15,303  | 16,510   | 5,938   |
| 1892.....                    | 131,253     | 18,910  | 35,386    | 1,317   | 730     | 7,688   | 3,678   | 14,976  | 17,928   | 5,297   |
| 1893.....                    | 77,838      | 21,790  | 37,476    | 863     | 3,022   | 7,511   | 4,084   | 18,448  | 15,903   | 6,977   |
| 1894.....                    | 81,529      | 18,088  | 35,012    | 871     | 9,246   | 4,478   | 3,610   | 15,460  | 10,700   | 6,284   |
| 1895.....                    | 68,413      | 13,582  | 41,887    | 680     | 9,698   | 8,868   | 1,558   | 15,053  | 10,904   | 5,916   |
| 1896.....                    | 80,987      | 13,471  | 36,397    | 803     | 10,799  | 5,968   | 1,293   | 15,546  | 22,928   | 6,850   |
| 1897.....                    | 101,494     | 10,619  | 58,198    | 1,779   | 10,818  | 7,189   | 2,810   | 11,526  | 22,273   | 6,381   |
| 1898.....                    | 112,827     | 9,664   | 68,429    | 1,166   | 14,571  | 5,386   | 7,489   | 10,141  | 23,906   | 5,002   |
| 1899.....                    | 87,993      | 11,918  | 78,477    | 2,921   | 14,989  | 5,449   | 7,075   | 12,134  | 25,725   | 4,657   |
| 1900.....                    | 115,859     | 17,491  | 85,668    | 1,464   | 24,206  | 6,959   | 5,212   | 15,310  | 32,569   | 6,353   |
| 1901.....                    | 152,777     | 20,462  | 101,867   | 954     | 23,629  | 6,726   | 10,030  | 14,532  | 33,742   | 8,232   |
| 1902.....                    | 134,487     | 23,763  | 96,722    | 969     | 25,121  | 8,233   | 6,093   | 16,861  | 34,735   | 7,630   |
| 1903.....                    | 149,073     | 25,881  | 104,121   | 1,511   | 28,696  | 8,973   | 4,551   | 20,122  | 40,328   | 8,566   |
| 1904.....                    | 148,695     | 34,037  | 145,316   | 1,848   | 35,601  | 7,980   | 2,322   | 21,088  | 41,589   | 8,480   |
| 1905.....                    | 150,937     | 33,933  | 126,182   | 4,902   | 40,755  | 10,413  | 3,221   | 18,145  | 44,738   | 8,937   |
| 1906.....                    | 150,479     | 39,465  | 166,318   | 5,019   | 44,207  | 10,132  | 2,581   | 22,210  | 57,760   | 10,998  |
| 1907.....                    | 170,562     | 46,047  | 237,306   | 7,029   | 48,750  | 11,744  | 4,013   | 25,017  | 64,965   | 11,516  |
| 1908.....                    | 169,456     | 42,786  | 101,352   | 5,694   | 46,460  | 11,316  | 4,925   | 26,172  | 61,108   | 14,537  |
| 1909.....                    | 144,982     | 45,713  | 189,464   | 3,365   | 42,891  | 13,065  | 4,775   | 23,871  | 50,161   | 14,172  |
| 1910.....                    | 140,377     | 55,712  | 173,179   | 2,488   | 55,109  | 16,553  | 6,629   | 20,761  | 69,794   | 15,909  |
| 1911.....                    | 172,835     | 66,722  | 220,506   | 3,531   | 67,279  | 18,973  | 6,916   | 30,586  | 81,898   | 17,031  |
| 1912.....                    | 146,161     | 75,090  | 218,146   | 4,310   | 81,543  | 20,506  | 7,665   | 28,749  | 96,941   | 15,815  |
| 1913.....                    | 169,980     | 82,899  | 281,458   | 7,821   | 103,103 | 20,405  | 4,869   | 32,537  | 112,041  | 19,687  |
| 1914.....                    | 193,840     | 89,933  | 255,768   | 12,245  | 87,670  | 30,306  | 5,688   | 35,631  | 102,573  | 26,347  |
| 1915.....                    | 209,373     | 79,745  | 230,392   | 10,148  | 73,969  | 31,416  | 23,565  | 26,498  | 117,747  | 24,956  |
| 1915 (6 mos.).....           | 91,583      | 35,976  | 92,370    | 2,814   | 50,015  | 20,129  | 7,835   | 14,018  | 84,822   | 14,225  |
| 1916.....                    | 266,662     | 92,041  | 252,545   | 8,373   | 184,619 | 41,421  | 3,990   | 29,006  | 222,663  | 32,575  |
| 1917.....                    | 320,891     | 116,249 | 220,229   | 13,979  | 212,820 | 105,612 | 4,419   | 27,008  | 279,143  | 54,311  |
| 1918.....                    | 399,097     | 124,258 | 280,834   | 14,013  | 208,340 | 99,915  | 69,019  | 40,301  | 379,188  | 67,231  |
| 1919.....                    | 563,073     | 177,286 | 467,183   | 17,704  | 199,051 | 99,378  | 6,524   | 45,804  | 597,029  | 74,896  |
| 1920.....                    | 712,380     | 274,073 | 640,253   | 30,730  | 237,980 | 121,436 | 25,800  | 64,504  | 356,220  | 107,351 |
| 1921.....                    | 423,043     | 110,283 | 452,911   | 18,858  | 154,169 | 59,241  | 45,230  | 41,491  | 177,901  | 63,052  |
| 1922.....                    | 353,282     | 129,756 | 417,142   | 21,109  | 146,021 | 70,253  | 35,506  | 40,614  | 205,877  | 65,442  |
| 1923.....                    | 301,416     | 171,620 | 530,540   | 32,962  | 178,818 | 70,316  | 13,997  | 45,555  | 226,590  | 90,019  |
| 1924.....                    | 411,691     | 205,674 | 679,609   | 41,487  | 156,256 | 72,247  | 26,415  | 45,739  | 195,962  | 81,537  |
| 1925.....                    | 467,279     | 221,023 | 639,418   | 35,862  | 177,764 | 116,490 | 14,259  | 50,630  | 262,274  | 84,247  |
| 1926.....                    | 413,793     | 238,805 | 533,825   | 38,906  | 191,676 | 125,668 | 17,843  | 50,478  | 272,375  | 101,862 |
| 1927.....                    | 370,607     | 211,684 | 554,893   | 35,883  | 191,904 | 137,936 | 17,718  | 51,585  | 276,907  | 91,314  |
| 1928.....                    | 375,837     | 211,783 | 682,340   | 30,801  | 223,938 | 144,028 | 9,002   | 50,381  | 328,439  | 92,009  |
| 1929.....                    | 384,570     | 208,431 | 573,567   | 30,635  | 239,803 | 157,380 | 8,173   | 52,383  | 342,648  | 108,433 |
| 1930.....                    | 273,358     | 137,040 | 396,640   | 21,767  | 170,193 | 117,402 | 6,560   | 39,542  | 239,358  | 76,959  |
| 1931.....                    | 145,626     | 96,209  | 262,088   | 14,948  | 105,508 | 61,527  | 2,729   | 29,660  | 144,860  | 56,832  |
| 1932.....                    | 123,169     | 66,553  | 244,509   | 10,773  | 67,274  | 37,627  | 4,975   | 21,238  | 85,076   | 38,096  |
| 1933.....                    | 126,786     | 75,447  | 275,182   | 10,813  | 50,825  | 40,800  | 5,398   | 24,029  | 82,058   | 40,537  |
| 1934.....                    | 146,156     | 79,863  | 252,053   | 16,278  | 64,839  | 48,927  | 4,405   | 30,367  | 124,358  | 48,407  |
| 1935.....                    | 161,934     | 105,663 | 249,779   | 25,097  | 69,805  | 75,043  | 3,932   | 38,564  | 129,243  | 54,069  |

<sup>1</sup>Period July 1, 1915, to Dec. 31, 1920.

**No. 519.—EXPORTS (INCLUDING REEXPORTS) AND IMPORTS OF MERCHANDISE, BY PRINCIPAL CUSTOMS DISTRICTS—Continued**

| Year or yearly average | San Francisco |          | Washington |          | Year or yearly average | San Francisco |          | Washington |          |
|------------------------|---------------|----------|------------|----------|------------------------|---------------|----------|------------|----------|
|                        | Ex-ports      | Im-ports | Ex-ports   | Im-ports |                        | Ex-ports      | Im-ports | Ex-ports   | Im-ports |
| 1800                   | 4,368         | 7,367    | -----      | -----    | 1908                   | 28,000        | 48,261   | 44,033     | 22,209   |
| 1805                   | 9,988         | 16,802   | 633        | 12       | 1909                   | 31,069        | 49,998   | 26,788     | 26,960   |
| 1870                   | 18,992        | 16,983   | 428        | 35       | 1910                   | 31,181        | 49,361   | 30,121     | 28,910   |
| 1871-1875              | 19,476        | 26,469   | 497        | 30       | 1911                   | 40,625        | 53,885   | 39,361     | 36,855   |
| 1876-1880              | 27,718        | 29,798   | 486        | 38       | 1912                   | 49,250        | 59,235   | 63,746     | 39,011   |
| 1881-1885              | 41,740        | 39,109   | 1,647      | 109      | 1913                   | 66,021        | 62,502   | 62,548     | 51,474   |
| 1886-1890              | 83,036        | 44,344   | 2,708      | 417      | 1914                   | 68,375        | 67,111   | 55,012     | 55,392   |
| 1891-1895              | 32,865        | 43,567   | 6,027      | 1,068    | 1915                   | 81,501        | 76,068   | 67,888     | 68,467   |
| 1896-1900              | 30,607        | 40,443   | 13,948     | 6,399    | 1915 (6 mos.)          | 41,807        | 42,290   | 46,161     | 55,933   |
| 1901-1905              | 37,751        | 38,189   | 30,708     | 9,907    | 1916                   | 126,759       | 117,128  | 200,448    | 161,780  |
| 1906-1910              | 32,758        | 49,228   | 38,567     | 23,409   | 1917                   | 175,136       | 231,979  | 196,932    | 239,078  |
| 1911-1915              | 60,154        | 63,760   | 57,711     | 50,200   | 1918                   | 214,695       | 245,519  | 296,166    | 300,354  |
| 1915-1920 <sup>1</sup> | 186,317       | 197,013  | 232,702    | 206,862  | 1919                   | 240,518       | 238,027  | 292,274    | 195,919  |
| 1921-1925              | 158,275       | 155,500  | 110,361    | 214,213  | 1920                   | 225,828       | 211,928  | 192,880    | 134,079  |
| 1926-1930              | 183,236       | 195,361  | 136,886    | 212,134  | 1921                   | 129,111       | 97,129   | 90,327     | 58,539   |
| 1931-1935              | 95,950        | 65,233   | 48,974     | 35,216   | 1922                   | 145,099       | 170,815  | 90,071     | 218,218  |
| 1899                   | 81,144        | 45,261   | 5,098      | 840      | 1923                   | 160,432       | 166,685  | 116,088    | 262,156  |
| 1894                   | 24,903        | 38,147   | 4,942      | 1,230    | 1924                   | 173,442       | 148,335  | 134,760    | 270,284  |
| 1895                   | 24,878        | 30,270   | 5,805      | 2,222    | 1925                   | 183,292       | 196,537  | 120,557    | 261,870  |
| 1896                   | 31,583        | 41,400   | 6,855      | 5,484    | 1926                   | 186,773       | 210,139  | 147,570    | 261,880  |
| 1897                   | 39,648        | 34,376   | 11,865     | 7,066    | 1927                   | 174,555       | 199,999  | 129,513    | 239,284  |
| 1898                   | 41,224        | 42,823   | 17,019     | 5,068    | 1928                   | 201,265       | 198,275  | 150,817    | 229,024  |
| 1899                   | 30,216        | 35,747   | 15,200     | 7,240    | 1929                   | 206,018       | 212,678  | 153,874    | 216,774  |
| 1900                   | 40,868        | 47,870   | 17,908     | 7,149    | 1930                   | 147,668       | 155,564  | 102,655    | 113,708  |
| 1901                   | 34,697        | 35,162   | 20,679     | 6,721    | 1931                   | 112,257       | 85,776   | 67,269     | 55,344   |
| 1902                   | 38,184        | 35,103   | 38,789     | 11,971   | 1932                   | 82,908        | 58,228   | 30,996     | 35,280   |
| 1903                   | 33,503        | 36,454   | 32,500     | 12,177   | 1933                   | 84,512        | 55,514   | 37,328     | 28,302   |
| 1904                   | 32,647        | 37,643   | 22,730     | 11,286   | 1934                   | 91,686        | 54,976   | 63,740     | 23,267   |
| 1905                   | 49,924        | 48,676   | 43,843     | 7,378    | 1935                   | 108,393       | 71,669   | 49,539     | 33,777   |
| 1906                   | 39,916        | 44,433   | 49,235     | 13,614   |                        |               |          |            |          |
| 1907                   | 33,027        | 54,085   | 43,659     | 25,363   |                        |               |          |            |          |

<sup>1</sup> Period July 1, 1915, to Dec. 31, 1920.

**No. 520.—IMPORTED DUTIABLE MERCHANDISE ENTERED FOR CONSUMPTION: BY TARIFF SCHEDULES**

NOTE.—All money figures in thousands of dollars (for basis of dollar values, see general note, p. 427). Data cover fiscal years through 1913, calendar thereafter. Articles on which countervailing and antidumping duties are assessed are included. Percents represent average ad valorem rate or ratio of duties to values of dutiable merchandise.

| Year            | Schedule 1.—Chemicals, oils, and paints |        |          | Schedule 2.—Earths, earthenware, and glassware |        |          | Schedule 3.—Metals, and manufactures of |        |          |
|-----------------|-----------------------------------------|--------|----------|------------------------------------------------|--------|----------|-----------------------------------------|--------|----------|
|                 | Values                                  | Duties | Per cent | Values                                         | Duties | Per cent | Values                                  | Duties | Per cent |
| 1910            | 42,022                                  | 11,072 | 26.41    | 24,774                                         | 12,468 | 50.33    | 66,961                                  | 22,333 | 33.35    |
| 1911            | 48,869                                  | 12,564 | 25.71    | 24,496                                         | 12,669 | 51.72    | 58,767                                  | 18,869 | 32.11    |
| 1912            | 47,236                                  | 12,240 | 25.91    | 21,094                                         | 11,156 | 50.72    | 50,492                                  | 17,348 | 34.35    |
| 1913            | 49,387                                  | 13,017 | 26.36    | 23,032                                         | 11,385 | 49.50    | 64,300                                  | 20,514 | 31.90    |
| 1914            | 60,314                                  | 13,100 | 21.72    | 25,122                                         | 10,187 | 40.39    | 50,743                                  | 12,900 | 24.02    |
| 1915            | 54,098                                  | 11,222 | 20.74    | 18,142                                         | 9,855  | 37.61    | 51,836                                  | 6,990  | 11.96    |
| 1916            | 52,806                                  | 9,309  | 17.63    | 13,024                                         | 4,677  | 35.91    | 33,245                                  | 6,309  | 18.98    |
| 1917            | 65,614                                  | 12,056 | 18.37    | 13,531                                         | 4,614  | 34.10    | 33,914                                  | 7,038  | 20.75    |
| 1918            | 65,762                                  | 10,507 | 15.98    | 13,444                                         | 4,707  | 35.01    | 33,227                                  | 6,813  | 20.51    |
| 1918 (6 months) | 27,216                                  | 4,308  | 15.83    | 5,783                                          | 2,065  | 35.71    | 16,622                                  | 3,451  | 20.76    |
| 1919            | 108,151                                 | 13,922 | 12.87    | 14,938                                         | 5,009  | 33.55    | 43,156                                  | 8,672  | 20.08    |
| 1920            | 120,320                                 | 15,335 | 12.75    | 30,257                                         | 9,241  | 30.54    | 63,337                                  | 16,677 | 26.01    |
| 1921            | 64,753                                  | 14,144 | 21.84    | 28,591                                         | 9,864  | 34.50    | 62,793                                  | 13,672 | 21.77    |
| 1922            | 88,471                                  | 22,102 | 24.98    | 40,526                                         | 14,001 | 34.56    | 82,105                                  | 20,468 | 24.93    |
| 1923            | 90,123                                  | 20,989 | 23.95    | 60,182                                         | 23,526 | 39.09    | 103,307                                 | 35,013 | 33.89    |
| 1924            | 77,015                                  | 24,492 | 31.80    | 54,481                                         | 22,098 | 40.56    | 96,768                                  | 35,240 | 36.21    |
| 1925            | 93,746                                  | 27,465 | 29.30    | 58,391                                         | 24,529 | 43.60    | 113,684                                 | 38,961 | 34.27    |
| 1926            | 98,328                                  | 28,681 | 29.17    | 61,089                                         | 28,908 | 47.32    | 147,010                                 | 48,528 | 33.01    |
| 1927            | 98,312                                  | 27,997 | 28.48    | 58,280                                         | 28,217 | 48.43    | 135,408                                 | 47,179 | 34.84    |
| 1928            | 92,633                                  | 28,011 | 30.24    | 63,321                                         | 25,895 | 40.81    | 131,921                                 | 46,251 | 35.06    |
| 1929            | 110,452                                 | 33,910 | 30.70    | 65,304                                         | 27,014 | 41.50    | 154,022                                 | 54,664 | 35.48    |
| 1930            | 73,337                                  | 25,859 | 35.26    | 41,646                                         | 20,524 | 49.28    | 97,214                                  | 36,367 | 37.41    |
| 1931            | 62,913                                  | 20,279 | 32.32    | 25,694                                         | 13,421 | 52.23    | 58,518                                  | 23,062 | 39.41    |
| 1932            | 36,437                                  | 16,041 | 44.02    | 16,285                                         | 8,326  | 50.47    | 32,810                                  | 12,355 | 37.66    |
| 1933            | 42,296                                  | 18,286 | 43.23    | 16,444                                         | 9,012  | 54.80    | 45,116                                  | 17,081 | 37.86    |
| 1934            | 46,438                                  | 17,375 | 37.24    | 19,106                                         | 10,675 | 55.61    | 67,802                                  | 20,234 | 35.09    |
| 1935            | 67,263                                  | 23,308 | 42.09    | 22,866                                         | 11,866 | 51.89    | 71,394                                  | 23,841 | 33.39    |

# No. 520.—IMPORTED DUTIABLE MERCHANDISE ENTERED FOR CONSUMPTION : By TARIFF SCHEDULES—Continued

[All figures except percentages in thousands of dollars]

| Year                 | Schedule 4.—Wood,<br>and manufactures of               |        |             | Schedule 5.—Sugar,<br>molasses, and manu-<br>factures of |         |             | Schedule 6.—Tobacco,<br>and manufactures of     |        |             |
|----------------------|--------------------------------------------------------|--------|-------------|----------------------------------------------------------|---------|-------------|-------------------------------------------------|--------|-------------|
|                      | Values                                                 | Duties | Per<br>cent | Values                                                   | Duties  | Per<br>cent | Values                                          | Duties | Per<br>cent |
| 1910.....            | 27,489                                                 | 3,185  | 11.59       | 101,587                                                  | 53,105  | 52.28       | 29,581                                          | 24,124 | 81.55       |
| 1911.....            | 24,710                                                 | 2,960  | 11.98       | 97,877                                                   | 52,809  | 53.95       | 29,788                                          | 26,160 | 87.82       |
| 1912.....            | 24,415                                                 | 3,043  | 12.40       | 105,745                                                  | 50,951  | 48.18       | 31,110                                          | 25,672 | 82.18       |
| 1913.....            | 27,851                                                 | 3,408  | 12.24       | 91,448                                                   | 53,482  | 58.48       | 32,438                                          | 26,748 | 82.40       |
| 1914.....            | 12,182                                                 | 1,619  | 13.29       | 108,255                                                  | 61,870  | 57.15       | 32,332                                          | 26,892 | 83.17       |
| 1915.....            | 4,457                                                  | 709    | 15.90       | 167,571                                                  | 49,008  | 31.48       | 29,499                                          | 24,876 | 84.33       |
| 1916.....            | 4,583                                                  | 600    | 14.40       | 205,512                                                  | 55,876  | 27.19       | 30,195                                          | 27,581 | 91.34       |
| 1917.....            | 5,207                                                  | 756    | 14.52       | 243,354                                                  | 55,471  | 22.79       | 37,300                                          | 29,837 | 79.99       |
| 1918.....            | 4,412                                                  | 636    | 14.41       | 240,380                                                  | 49,093  | 20.42       | 31,903                                          | 21,901 | 68.76       |
| 1918 (6 months)..... | 1,675                                                  | 218    | 12.99       | 87,180                                                   | 18,250  | 20.93       | 20,809                                          | 12,270 | 60.42       |
| 1919.....            | 6,090                                                  | 852    | 13.99       | 387,283                                                  | 68,609  | 17.72       | 51,609                                          | 27,653 | 53.41       |
| 1920.....            | 13,367                                                 | 1,970  | 14.81       | 926,467                                                  | 79,536  | 8.58        | 63,816                                          | 33,695 | 52.80       |
| 1921.....            | 9,894                                                  | 1,546  | 15.63       | 233,451                                                  | 71,325  | 30.55       | 66,614                                          | 35,950 | 53.97       |
| 1922.....            | 13,174                                                 | 2,373  | 18.02       | 232,941                                                  | 147,999 | 63.62       | 62,415                                          | 31,789 | 50.93       |
| 1923.....            | 18,230                                                 | 4,001  | 21.95       | 353,873                                                  | 128,064 | 36.19       | 64,881                                          | 35,831 | 55.22       |
| 1924.....            | 18,115                                                 | 4,161  | 22.97       | 337,802                                                  | 135,906 | 40.23       | 67,830                                          | 38,941 | 57.26       |
| 1925.....            | 18,570                                                 | 4,164  | 22.42       | 221,347                                                  | 139,103 | 62.84       | 69,943                                          | 35,428 | 50.65       |
| 1926.....            | 18,004                                                 | 4,807  | 23.92       | 205,060                                                  | 146,591 | 71.28       | 70,789                                          | 38,076 | 53.79       |
| 1927.....            | 19,879                                                 | 4,535  | 22.81       | 222,703                                                  | 131,199 | 58.01       | 68,632                                          | 40,016 | 58.31       |
| 1928.....            | 16,017                                                 | 4,191  | 24.77       | 174,760                                                  | 118,572 | 67.85       | 62,319                                          | 39,315 | 63.09       |
| 1929.....            | 17,411                                                 | 4,301  | 24.70       | 166,232                                                  | 131,190 | 83.97       | 60,116                                          | 39,105 | 65.05       |
| 1930.....            | 17,140                                                 | 3,557  | 20.75       | 116,844                                                  | 116,809 | 99.97       | 56,152                                          | 40,141 | 71.49       |
| 1931.....            | 12,743                                                 | 2,389  | 18.73       | 74,819                                                   | 99,631  | 133.16      | 43,201                                          | 32,310 | 74.78       |
| 1932.....            | 7,518                                                  | 1,687  | 22.44       | 45,762                                                   | 76,061  | 166.21      | 27,314                                          | 22,481 | 82.31       |
| 1933.....            | 15,449                                                 | 3,129  | 20.26       | 44,540                                                   | 67,408  | 151.34      | 24,754                                          | 21,642 | 87.02       |
| 1934.....            | 11,156                                                 | 2,357  | 21.13       | 64,945                                                   | 43,706  | 67.30       | 25,235                                          | 22,480 | 89.10       |
| 1935.....            | 14,723                                                 | 3,070  | 20.85       | 95,016                                                   | 40,048  | 42.15       | 25,898                                          | 22,015 | 85.11       |
| Year                 | Schedule 7.—Agricultural<br>products and<br>provisions |        |             | Schedule 8.—Spirits,<br>wines, and other be-<br>verages  |         |             | Schedule 9.—Cotton<br>manufactures <sup>1</sup> |        |             |
|                      | Values                                                 | Duties | Per<br>cent | Values                                                   | Duties  | Per<br>cent | Values                                          | Duties | Per<br>cent |
| 1910.....            | 84,878                                                 | 25,161 | 29.64       | 25,316                                                   | 18,114  | 71.55       | 28,311                                          | 13,619 | 48.11       |
| 1911.....            | 105,974                                                | 28,744 | 27.12       | 20,355                                                   | 17,299  | 84.99       | 29,204                                          | 12,326 | 42.19       |
| 1912.....            | 117,711                                                | 34,146 | 29.01       | 20,731                                                   | 17,410  | 83.98       | 24,358                                          | 11,086 | 45.51       |
| 1913.....            | 99,798                                                 | 27,755 | 27.81       | 22,372                                                   | 19,478  | 87.05       | 25,037                                          | 11,032 | 44.14       |
| 1914.....            | 122,305                                                | 24,817 | 20.29       | 21,764                                                   | 19,675  | 90.40       | 32,520                                          | 9,260  | 28.47       |
| 1915.....            | 87,673                                                 | 18,036 | 20.57       | 14,393                                                   | 13,405  | 93.14       | 24,065                                          | 6,442  | 26.81       |
| 1916.....            | 94,635                                                 | 16,104 | 17.08       | 17,330                                                   | 15,551  | 89.73       | 24,245                                          | 5,909  | 24.62       |
| 1917.....            | 132,718                                                | 17,916 | 13.50       | 18,612                                                   | 13,586  | 73.00       | 36,417                                          | 8,260  | 22.68       |
| 1918.....            | 125,360                                                | 14,695 | 11.64       | 10,563                                                   | 7,038   | 66.63       | 30,947                                          | 6,872  | 22.21       |
| 1918 (6 months)..... | 49,322                                                 | 5,647  | 11.25       | 3,109                                                    | 1,628   | 52.36       | 13,622                                          | 3,106  | 22.80       |
| 1919.....            | 161,168                                                | 15,803 | 9.80        | 2,338                                                    | 1,194   | 51.08       | 33,220                                          | 7,716  | 23.23       |
| 1920.....            | 253,569                                                | 24,521 | 9.70        | 2,543                                                    | 1,157   | 45.52       | 59,275                                          | 21,185 | 35.74       |
| 1921.....            | 156,497                                                | 25,206 | 16.75       | 3,197                                                    | 1,515   | 47.87       | 58,414                                          | 15,242 | 26.09       |
| 1922.....            | 199,479                                                | 42,505 | 21.31       | 2,657                                                    | 1,111   | 41.83       | 73,335                                          | 20,017 | 27.34       |
| 1923.....            | 236,976                                                | 61,878 | 25.98       | 1,371                                                    | 613     | 44.67       | 68,207                                          | 21,946 | 32.18       |
| 1924.....            | 235,198                                                | 60,093 | 25.55       | 1,065                                                    | 431     | 40.47       | 59,981                                          | 18,083 | 30.16       |
| 1925.....            | 259,917                                                | 60,568 | 23.80       | 1,161                                                    | 492     | 42.88       | 49,999                                          | 15,347 | 30.69       |
| 1926.....            | 270,063                                                | 64,373 | 23.84       | 1,150                                                    | 450     | 39.13       | 39,842                                          | 13,666 | 34.30       |
| 1927.....            | 284,253                                                | 64,072 | 22.54       | 1,350                                                    | 405     | 34.44       | 40,461                                          | 14,561 | 36.09       |
| 1928.....            | 282,375                                                | 64,140 | 22.71       | 1,346                                                    | 483     | 35.88       | 42,466                                          | 15,681 | 36.93       |
| 1929.....            | 297,161                                                | 68,055 | 22.90       | 1,571                                                    | 544     | 34.63       | 42,855                                          | 15,627 | 36.40       |
| 1930.....            | 213,035                                                | 59,595 | 27.97       | 1,363                                                    | 430     | 31.55       | 33,282                                          | 13,457 | 40.43       |
| 1931.....            | 134,337                                                | 55,613 | 42.14       | 1,273                                                    | 376     | 29.63       | 28,663                                          | 13,595 | 47.44       |
| 1932.....            | 90,660                                                 | 43,418 | 47.80       | 1,149                                                    | 418     | 36.38       | 19,249                                          | 9,168  | 47.63       |
| 1933.....            | 103,941                                                | 46,189 | 44.44       | 9,179                                                    | 7,414   | 80.78       | 22,660                                          | 10,845 | 47.86       |
| 1934.....            | 138,787                                                | 53,418 | 38.49       | 50,202                                                   | 42,103  | 83.87       | 23,892                                          | 10,814 | 45.26       |
| 1935.....            | 216,043                                                | 87,049 | 40.29       | 42,455                                                   | 39,033  | 91.94       | 27,166                                          | 10,855 | 39.90       |

<sup>1</sup> Laces, embroideries, etc., of cotton, flax, wool, silk, and rayon are included in Schedule 15, beginning 1914.

# No. 520.—IMPORTED DUTIABLE MERCHANDISE ENTERED FOR CONSUMPTION: BY TARIFF SCHEDULES—Continued

[All figures except percentages in thousands of dollars]

| Year                 | Schedule 10.—Flax,<br>hemp, and jute, and<br>manufactures of <sup>1</sup>                    |        |             | Schedule 11.—Wool,<br>and manufactures of <sup>1</sup> |        |             | Schedule 12.—Silks and<br>manufactures of <sup>1</sup> |        |             |
|----------------------|----------------------------------------------------------------------------------------------|--------|-------------|--------------------------------------------------------|--------|-------------|--------------------------------------------------------|--------|-------------|
|                      | Values                                                                                       | Duties | Per<br>cent | Values                                                 | Duties | Per<br>cent | Values                                                 | Duties | Per<br>cent |
| 1910.....            | 106,375                                                                                      | 49,735 | 46.75       | 70,745                                                 | 41,905 | 59.23       | 32,295                                                 | 17,024 | 52.71       |
| 1911.....            | 99,402                                                                                       | 47,053 | 47.34       | 49,395                                                 | 28,933 | 59.89       | 30,994                                                 | 16,553 | 51.80       |
| 1912.....            | 108,098                                                                                      | 49,062 | 45.14       | 48,361                                                 | 27,072 | 55.98       | 26,572                                                 | 13,595 | 51.54       |
| 1913.....            | 116,587                                                                                      | 48,912 | 41.95       | 45,336                                                 | 25,333 | 56.98       | 29,224                                                 | 14,812 | 50.98       |
| 1914.....            | 56,471                                                                                       | 19,913 | 35.26       | 39,265                                                 | 16,957 | 43.19       | 34,040                                                 | 15,377 | 45.17       |
| 1915.....            | 80,051                                                                                       | 8,795  | 29.27       | 30,438                                                 | 9,912  | 32.56       | 23,098                                                 | 9,810  | 42.47       |
| 1916.....            | 80,944                                                                                       | 8,619  | 27.85       | 18,353                                                 | 6,129  | 33.39       | 28,305                                                 | 11,928 | 42.14       |
| 1917.....            | 29,130                                                                                       | 8,209  | 28.19       | 21,194                                                 | 7,081  | 33.43       | 35,124                                                 | 14,555 | 41.72       |
| 1918.....            | 26,587                                                                                       | 7,200  | 27.08       | 27,048                                                 | 8,956  | 33.11       | 24,474                                                 | 10,067 | 41.13       |
| 1918 (6 months)..... | 10,873                                                                                       | 2,682  | 24.67       | 9,827                                                  | 2,962  | 30.14       | 10,749                                                 | 4,308  | 40.07       |
| 1919.....            | 27,187                                                                                       | 6,553  | 24.10       | 15,128                                                 | 5,699  | 31.42       | 49,684                                                 | 20,276 | 40.81       |
| 1920.....            | 52,926                                                                                       | 13,362 | 25.25       | 49,800                                                 | 16,720 | 33.57       | 55,793                                                 | 21,773 | 39.02       |
| 1921.....            | 36,828                                                                                       | 10,118 | 27.47       | 52,410                                                 | 18,307 | 34.95       | 45,055                                                 | 18,576 | 41.23       |
| 1922.....            | 93,505                                                                                       | 15,999 | 25.19       | 79,950                                                 | 43,225 | 60.31       | 36,653                                                 | 16,622 | 45.35       |
| 1923.....            | 121,126                                                                                      | 24,532 | 20.34       | 102,015                                                | 91,466 | 89.65       | 40,794                                                 | 21,992 | 53.18       |
| 1924.....            | 117,210                                                                                      | 20,121 | 22.28       | 123,904                                                | 62,682 | 50.51       | 33,234                                                 | 17,629 | 53.05       |
| 1925.....            | 143,723                                                                                      | 25,084 | 17.87       | 162,458                                                | 71,019 | 43.71       | 40,304                                                 | 21,888 | 54.07       |
| 1926.....            | 145,168                                                                                      | 26,737 | 18.42       | 148,187                                                | 73,965 | 49.91       | 44,138                                                 | 24,074 | 54.54       |
| 1927.....            | 126,524                                                                                      | 26,525 | 20.96       | 127,707                                                | 67,219 | 52.64       | 51,293                                                 | 28,815 | 56.18       |
| 1928.....            | 135,769                                                                                      | 25,085 | 18.48       | 115,181                                                | 57,172 | 49.64       | 48,739                                                 | 27,810 | 57.06       |
| 1929.....            | 126,409                                                                                      | 24,000 | 19.01       | 121,635                                                | 61,815 | 50.82       | 47,156                                                 | 27,349 | 58.00       |
| 1930.....            | 95,570                                                                                       | 20,571 | 21.52       | 70,357                                                 | 40,877 | 58.10       | 23,073                                                 | 13,418 | 58.16       |
| 1931.....            | 67,780                                                                                       | 15,927 | 23.65       | 32,339                                                 | 24,483 | 75.70       | 13,395                                                 | 7,936  | 59.24       |
| 1932.....            | 37,473                                                                                       | 11,052 | 31.09       | 15,771                                                 | 13,270 | 84.14       | 4,653                                                  | 2,771  | 59.43       |
| 1933.....            | 47,120                                                                                       | 12,959 | 27.60       | 22,500                                                 | 20,539 | 90.64       | 4,938                                                  | 2,927  | 59.28       |
| 1934.....            | 53,547                                                                                       | 13,271 | 24.78       | 21,645                                                 | 17,187 | 79.39       | 4,450                                                  | 2,573  | 57.82       |
| 1935.....            | 62,449                                                                                       | 15,088 | 24.16       | 23,765                                                 | 23,458 | 81.55       | 6,044                                                  | 3,559  | 58.88       |
| Year                 | Schedule 13.—Rayon,<br>and other synthetic<br>textiles and manufac-<br>tures of <sup>1</sup> |        |             | Schedule 14.—Papers<br>and books                       |        |             | Schedule 15.—Sundries <sup>1</sup>                     |        |             |
|                      | Values                                                                                       | Duties | Per<br>cent | Values                                                 | Duties | Per<br>cent | Values                                                 | Duties | Per<br>cent |
| 1910.....            | —                                                                                            | —      | —           | 24,833                                                 | 5,285  | 21.28       | 120,594                                                | 29,134 | 24.16       |
| 1911.....            | —                                                                                            | —      | —           | 26,111                                                 | 5,646  | 21.62       | 109,050                                                | 27,448 | 25.17       |
| 1912.....            | —                                                                                            | —      | —           | 22,828                                                 | 4,887  | 21.41       | 108,953                                                | 26,932 | 24.72       |
| 1913.....            | —                                                                                            | —      | —           | 24,869                                                 | 5,091  | 20.46       | 128,018                                                | 30,759 | 24.03       |
| 1914.....            | —                                                                                            | —      | —           | 13,999                                                 | 3,114  | 22.25       | 144,588                                                | 48,539 | 33.67       |
| 1915.....            | —                                                                                            | —      | —           | 9,386                                                  | 1,989  | 21.19       | 100,817                                                | 37,159 | 36.86       |
| 1916.....            | —                                                                                            | —      | —           | 6,491                                                  | 1,268  | 19.38       | 128,485                                                | 39,496 | 31.98       |
| 1917.....            | —                                                                                            | —      | —           | 8,036                                                  | 1,682  | 20.92       | 134,558                                                | 40,286 | 29.94       |
| 1918.....            | —                                                                                            | —      | —           | 6,368                                                  | 1,185  | 18.60       | 106,803                                                | 30,568 | 28.62       |
| 1919 (6 months)..... | —                                                                                            | —      | —           | 2,769                                                  | 460    | 16.87       | 44,035                                                 | 12,653 | 28.73       |
| 1919.....            | —                                                                                            | —      | —           | 6,797                                                  | 1,106  | 16.27       | 206,447                                                | 54,433 | 26.37       |
| 1920.....            | —                                                                                            | —      | —           | 10,488                                                 | 1,749  | 16.68       | 233,908                                                | 68,704 | 29.37       |
| 1921.....            | —                                                                                            | —      | —           | 8,902                                                  | 1,672  | 18.78       | 165,192                                                | 54,232 | 32.82       |
| 1922.....            | —                                                                                            | —      | —           | 12,806                                                 | 2,776  | 21.67       | 197,513                                                | 65,370 | 33.09       |
| 1923.....            | —                                                                                            | —      | —           | 19,217                                                 | 4,667  | 24.29       | 326,319                                                | 86,647 | 26.29       |
| 1924.....            | —                                                                                            | —      | —           | 18,729                                                 | 4,813  | 25.70       | 215,546                                                | 84,095 | 40.17       |
| 1925.....            | —                                                                                            | —      | —           | 18,682                                                 | 4,416  | 23.60       | 217,279                                                | 83,288 | 38.33       |
| 1926.....            | —                                                                                            | —      | —           | 21,463                                                 | 5,241  | 24.42       | 229,078                                                | 86,448 | 37.74       |
| 1927.....            | —                                                                                            | —      | —           | 22,138                                                 | 5,417  | 24.47       | 228,117                                                | 88,624 | 39.10       |
| 1928.....            | —                                                                                            | —      | —           | 25,010                                                 | 7,881  | 30.42       | 215,667                                                | 81,810 | 37.94       |
| 1929.....            | —                                                                                            | —      | —           | 24,089                                                 | 6,099  | 25.32       | 241,030                                                | 90,509 | 37.55       |
| 1930.....            | —                                                                                            | —      | —           | 19,428                                                 | 5,024  | 25.86       | 174,513                                                | 65,156 | 37.34       |
| 1931.....            | 3,854                                                                                        | 2,377  | 61.67       | 12,927                                                 | 3,361  | 25.99       | 144,310                                                | 55,011 | 38.12       |
| 1932.....            | 2,084                                                                                        | 1,250  | 59.98       | 8,187                                                  | 2,133  | 26.06       | 95,189                                                 | 38,518 | 40.46       |
| 1933.....            | 3,432                                                                                        | 1,722  | 50.18       | 8,497                                                  | 2,221  | 26.14       | 118,432                                                | 42,405 | 35.81       |
| 1934.....            | 1,270                                                                                        | 808    | 63.62       | 9,482                                                  | 2,348  | 24.65       | 117,794                                                | 41,547 | 35.27       |
| 1935.....            | 1,751                                                                                        | 833    | 47.57       | 11,119                                                 | 2,682  | 24.12       | 139,996                                                | 46,536 | 33.53       |

<sup>1</sup> Laces, embroideries, etc., of cotton, flax, wool, silk, and rayon are included in Schedule 15, beginning 1914.

<sup>2</sup> Schedules 12 and 13 prior to 1931.

## No. 521.—VALUE OF PRINCIPAL ARTICLES

NOTE.—For basis of dollar values except export figures for 1865 and 1870-78, see general note p. 427. Export through 1840, and June 30, 1860, through 1915; calendar years thereafter. In some

[All figures in thou

| Year or yearly average     | Meat products | Animal fats and oils <sup>1</sup> | Leather  | Rye (including flour) | Wheat (including flour) | Oil cake and oil-cake meal | Fruits and nuts | Rubber and manufactures | Naval stores, gums, and resins | Tobacco, unmanufactured |
|----------------------------|---------------|-----------------------------------|----------|-----------------------|-------------------------|----------------------------|-----------------|-------------------------|--------------------------------|-------------------------|
| 1821                       |               |                                   |          |                       | 4, 470                  |                            |                 |                         | 315                            | 5, 649                  |
| 1830                       |               |                                   |          |                       | 6, 132                  |                            | 24              |                         | 358                            | 5, 586                  |
| 1840                       |               |                                   |          |                       | 11, 779                 |                            | 55              |                         | 606                            | 9, 884                  |
| 1850                       |               |                                   |          |                       | 7, 742                  |                            | 25              |                         | 1, 372                         | 9, 951                  |
| 1860                       | 8, 080        | 6, 200                            | 693      |                       | 10, 525                 | 1, 609                     | 206             | 241                     | 3, 886                         | 15, 907                 |
| 1865                       | 20, 696       | 14, 473                           | 669      | 169                   | 46, 905                 | 2, 267                     | 415             | 291                     | 843                            | 41, 625                 |
| 1870                       | 11, 630       | 9, 909                            | 111      | 217                   | 98, 341                 | 3, 419                     | 543             | 186                     | 3, 277                         | 21, 100                 |
| 1871-1875                  | 33, 937       | 26, 773                           | 3, 785   | 710                   | 82, 188                 | 4, 195                     | 1, 138          | 212                     | 5, 192                         | 24, 475                 |
| 1876-1880                  | 66, 660       | 35, 490                           | 7, 256   | 2, 194                | 133, 946                | 5, 268                     | 1, 831          | 262                     | 4, 511                         | 23, 580                 |
| 1881-1885                  | 69, 344       | 37, 492                           | 7, 374   | 2, 185                | 157, 600                | 6, 551                     | 2, 893          | 560                     | 6, 364                         | 19, 407                 |
| 1886-1890                  | 59, 734       | 35, 198                           | 9, 167   | 380                   | 106, 331                | 7, 143                     | 3, 724          | 857                     | 6, 009                         | 23, 085                 |
| 1891-1895                  | 82, 184       | 51, 133                           | 11, 931  | 2, 870                | 147, 211                | 8, 565                     | 4, 075          | 1, 450                  | 7, 536                         | 22, 896                 |
| 1896-1900                  | 100, 858      | 63, 369                           | 18, 703  | 4, 078                | 148, 176                | 12, 300                    | 8, 394          | 2, 280                  | 9, 934                         | 25, 269                 |
| 1901-1905                  | 110, 948      | 70, 933                           | 24, 019  | 1, 311                | 131, 029                | 19, 470                    | 14, 778         | 4, 605                  | 13, 898                        | 29, 891                 |
| 1906-1910                  | 93, 563       | 87, 326                           | 31, 234  | 989                   | 117, 768                | 23, 472                    | 16, 531         | 7, 831                  | 19, 438                        | 33, 180                 |
| 1911-1915                  | 81, 316       | 83, 806                           | 44, 658  | 3, 613                | 172, 788                | 25, 570                    | 31, 865         | 13, 362                 | 21, 852                        | 45, 064                 |
| 1916-1920 <sup>2</sup>     | 401, 251      | 166, 868                          | 110, 215 | 52, 009               | 612, 963                | 21, 978                    | 61, 501         | 46, 430                 | 20, 417                        | 139, 509                |
| 1921-1925                  | 139, 833      | 144, 085                          | 44, 287  | 39, 475               | 321, 864                | 24, 695                    | 82, 869         | 39, 003                 | 22, 579                        | 164, 696                |
| 1926-1930                  | 77, 988       | 116, 071                          | 47, 481  | 14, 787               | 230, 647                | 24, 392                    | 122, 234        | 67, 366                 | 30, 266                        | 144, 549                |
| 1931-1935                  | 28, 724       | 36, 987                           | 17, 120  | 139                   | 38, 237                 | 7, 613                     | 84, 708         | 22, 961                 | 14, 317                        | 103, 742                |
| 1893                       | 80, 842       | 50, 967                           | 10, 695  | 1, 013                | 169, 029                | 9, 699                     | 3, 919          | 1, 609                  | 7, 287                         | 22, 892                 |
| 1894                       | 81, 698       | 57, 811                           | 12, 779  | 136                   | 128, 679                | 8, 807                     | 2, 424          | 1, 472                  | 6, 791                         | 24, 086                 |
| 1895                       | 82, 369       | 47, 534                           | 13, 640  | 17                    | 95, 458                 | 7, 166                     | 4, 972          | 1, 517                  | 7, 420                         | 25, 799                 |
| 1896                       | 82, 387       | 46, 719                           | 17, 765  | 456                   | 91, 735                 | 7, 950                     | 5, 679          | 1, 969                  | 8, 844                         | 24, 671                 |
| 1897                       | 89, 017       | 42, 590                           | 16, 431  | 3, 676                | 115, 835                | 9, 611                     | 7, 739          | 1, 927                  | 9, 215                         | 24, 711                 |
| 1898                       | 105, 984      | 54, 771                           | 17, 766  | 8, 838                | 214, 948                | 12, 582                    | 9, 013          | 2, 058                  | 9, 155                         | 22, 172                 |
| 1899                       | 110, 410      | 60, 579                           | 19, 725  | 5, 951                | 177, 363                | 14, 549                    | 7, 897          | 2, 321                  | 9, 983                         | 25, 467                 |
| 1900                       | 116, 494      | 62, 187                           | 21, 707  | 1, 487                | 140, 998                | 16, 806                    | 11, 643         | 3, 124                  | 12, 474                        | 29, 422                 |
| 1901                       | 123, 867      | 68, 226                           | 21, 321  | 1, 333                | 166, 231                | 18, 724                    | 10, 827         | 3, 659                  | 12, 687                        | 27, 656                 |
| 1902                       | 122, 912      | 72, 985                           | 22, 350  | 1, 590                | 178, 537                | 10, 943                    | 8, 719          | 4, 032                  | 11, 734                        | 27, 104                 |
| 1903                       | 106, 199      | 72, 258                           | 20, 514  | 3, 157                | 161, 552                | 19, 839                    | 18, 068         | 4, 674                  | 12, 919                        | 35, 231                 |
| 1904                       | 108, 229      | 71, 040                           | 24, 852  | 452                   | 104, 745                | 17, 069                    | 20, 079         | 5, 149                  | 16, 145                        | 28, 641                 |
| 1905                       | 99, 935       | 70, 188                           | 26, 058  | 21                    | 44, 082                 | 21, 777                    | 15, 007         | 5, 509                  | 16, 107                        | 29, 801                 |
| 1906                       | 114, 670      | 92, 110                           | 26, 317  | 925                   | 87, 864                 | 23, 992                    | 15, 274         | 6, 544                  | 20, 076                        | 28, 808                 |
| 1907                       | 107, 571      | 92, 078                           | 32, 058  | 573                   | 122, 390                | 20, 416                    | 17, 588         | 7, 429                  | 21, 687                        | 33, 377                 |
| 1908                       | 102, 045      | 94, 076                           | 26, 970  | 2, 201                | 163, 907                | 21, 867                    | 14, 339         | 7, 574                  | 21, 642                        | 34, 727                 |
| 1909                       | 81, 773       | 86, 575                           | 30, 413  | 1, 064                | 119, 252                | 25, 836                    | 16, 568         | 7, 433                  | 15, 101                        | 30, 903                 |
| 1910                       | 61, 758       | 71, 769                           | 37, 414  | 184                   | 95, 428                 | 19, 251                    | 18, 886         | 10, 176                 | 18, 682                        | 33, 112                 |
| 1911                       | 66, 391       | 85, 665                           | 37, 200  | 27                    | 71, 427                 | 19, 631                    | 24, 498         | 12, 453                 | 25, 023                        | 39, 255                 |
| 1912                       | 71, 874       | 85, 512                           | 41, 798  | 22                    | 79, 477                 | 25, 229                    | 30, 064         | 12, 823                 | 28, 755                        | 43, 252                 |
| 1913                       | 68, 018       | 88, 573                           | 42, 384  | 1, 282                | 142, 208                | 29, 444                    | 37, 079         | 14, 326                 | 29, 471                        | 49, 354                 |
| 1914                       | 68, 443       | 80, 562                           | 36, 669  | 1, 586                | 142, 408                | 21, 668                    | 31, 850         | 12, 441                 | 19, 882                        | 55, 994                 |
| 1915                       | 131, 850      | 78, 720                           | 65, 229  | 15, 150               | 428, 422                | 28, 879                    | 34, 933         | 14, 768                 | 11, 127                        | 44, 494                 |
| 1916 (6 mos.) <sup>2</sup> | 90, 466       | 33, 808                           | 42, 079  | 7, 556                | 146, 718                | 14, 978                    | 22, 549         | 15, 841                 | 5, 430                         | 30, 454                 |
| 1916                       | 198, 000      | 85, 002                           | 100, 498 | 19, 380               | 313, 240                | 33, 263                    | 33, 345         | 38, 934                 | 16, 289                        | 62, 833                 |
| 1917                       | 273, 908      | 99, 666                           | 80, 817  | 27, 960               | 384, 272                | 15, 810                    | 35, 332         | 34, 788                 | 14, 401                        | 45, 574                 |
| 1918                       | 667, 527      | 131, 421                          | 55, 127  | 31, 065               | 505, 266                | 2, 785                     | 32, 373         | 31, 501                 | 10, 286                        | 122, 918                |
| 1919                       | 597, 707      | 326, 290                          | 218, 784 | 74, 211               | 650, 351                | 36, 041                    | 126, 265        | 53, 866                 | 31, 434                        | 250, 989                |
| 1920                       | 279, 270      | 191, 587                          | 108, 876 | 125, 878              | 821, 448                | 18, 012                    | 84, 390         | 36, 437                 | 34, 503                        | 245, 532                |
| 1921                       | 157, 122      | 140, 406                          | 31, 787  | 44, 589               | 550, 752                | 24, 489                    | 70, 157         | 30, 788                 | 11, 449                        | 205, 133                |
| 1922                       | 140, 175      | 116, 263                          | 45, 471  | 46, 075               | 291, 821                | 19, 893                    | 75, 854         | 34, 009                 | 18, 510                        | 145, 489                |
| 1923                       | 153, 677      | 157, 505                          | 42, 834  | 26, 021               | 204, 641                | 19, 831                    | 68, 619         | 36, 972                 | 24, 820                        | 153, 439                |
| 1924                       | 121, 156      | 157, 994                          | 49, 188  | 40, 204               | 328, 324                | 27, 500                    | 97, 689         | 40, 622                 | 25, 309                        | 164, 130                |
| 1925                       | 127, 033      | 148, 257                          | 52, 155  | 37, 484               | 233, 784                | 31, 666                    | 102, 015        | 52, 630                 | 31, 809                        | 153, 787                |
| 1926                       | 105, 837      | 134, 626                          | 49, 815  | 12, 379               | 284, 872                | 26, 468                    | 111, 797        | 60, 733                 | 36, 865                        | 138, 919                |
| 1927                       | 71, 011       | 115, 679                          | 54, 003  | 39, 913               | 324, 836                | 30, 186                    | 121, 665        | 70, 691                 | 34, 335                        | 136, 087                |
| 1928                       | 67, 722       | 118, 891                          | 65, 178  | 17, 567               | 193, 743                | 27, 198                    | 129, 324        | 69, 545                 | 26, 433                        | 154, 465                |
| 1929                       | 78, 756       | 123, 609                          | 42, 943  | 3, 698                | 192, 292                | 28, 414                    | 137, 467        | 76, 953                 | 30, 998                        | 146, 083                |
| 1930                       | 65, 612       | 87, 612                           | 35, 468  | 278                   | 157, 494                | 9, 706                     | 110, 918        | 58, 906                 | 22, 698                        | 145, 609                |
| 1931                       | 35, 653       | 60, 377                           | 25, 612  | 101                   | 84, 227                 | 11, 181                    | 109, 329        | 36, 711                 | 14, 304                        | 119, 780                |
| 1932                       | 18, 967       | 37, 819                           | 13, 150  | 560                   | 51, 144                 | 6, 715                     | 77, 320         | 16, 364                 | 11, 587                        | 66, 901                 |
| 1933                       | 25, 607       | 40, 327                           | 13, 779  | 18, 592               | 8, 646                  | 69, 657                    | 17, 820         | 14, 714                 | 82, 924                        | 82, 924                 |
| 1934                       | 35, 168       | 31, 333                           | 15, 807  | 5                     | 27, 085                 | 6, 948                     | 74, 210         | 21, 761                 | 14, 480                        | 125, 064                |
| 1935                       | 28, 323       | 15, 078                           | 17, 253  | 5                     | 15, 138                 | 5, 577                     | 93, 475         | 22, 147                 | 10, 489                        | 134, 043                |

<sup>1</sup> Excludes "lard compounds" beginning 1921; now classified as "vegetable cooking fats."

<sup>2</sup> Includes semimanufactures.

## OF UNITED STATES MERCHANDISE EXPORTED

figures for those years are mixed gold and currency values. Figures are for fiscal years ended Sept. 30, cases blanks represent entire absence of trade; in other cases the item was not segregated

[units of dollars]

| Cotton,<br>unmanu-<br>factured | Cotton<br>manu-<br>factures <sup>1</sup> | Saw-<br>mill<br>prod-<br>ucts | Other<br>wood<br>manu-<br>factures | Coal<br>and<br>coke | Petro-<br>leum<br>and<br>prod-<br>ucts | Iron<br>and<br>steel-<br>mill<br>prod-<br>ucts | Copper<br>and<br>manu-<br>factures | Ma-<br>chinery,<br>all<br>classes | Auto-<br>mobiles<br>includ-<br>ing en-<br>gines<br>and<br>parts | Year or yearly<br>average   |
|--------------------------------|------------------------------------------|-------------------------------|------------------------------------|---------------------|----------------------------------------|------------------------------------------------|------------------------------------|-----------------------------------|-----------------------------------------------------------------|-----------------------------|
| 20, 157                        |                                          | 1, 513                        |                                    |                     |                                        |                                                | 27                                 |                                   |                                                                 | 1821.                       |
| 29, 675                        | 1, 318                                   | 1, 650                        | 426                                |                     |                                        |                                                | 37                                 |                                   |                                                                 | 1830.                       |
| 63, 870                        | 3, 550                                   | 2, 072                        | 921                                |                     |                                        |                                                | 87                                 |                                   |                                                                 | 1840.                       |
| 71, 985                        | 4, 734                                   | 2, 545                        | 2, 278                             |                     |                                        |                                                | 105                                |                                   |                                                                 | 1850.                       |
| 191, 807                       | 10, 935                                  | 3, 884                        | 6, 148                             |                     |                                        |                                                | 1, 694                             |                                   |                                                                 | 1860.                       |
| 6, 830                         | 3, 452                                   | 7, 020                        | 11, 261                            | 1, 371              | 15, 784                                | 1, 190                                         | 1, 545                             | 7, 222                            |                                                                 | 1865.                       |
| 227, 028                       | 3, 787                                   | 4, 660                        | 7, 886                             | 1, 306              | 32, 669                                | 539                                            | 1, 042                             | 5, 793                            |                                                                 | 1870.                       |
| 205, 024                       | 3, 196                                   | 6, 749                        | 0, 108                             | 2, 638              | 36, 912                                | 1, 115                                         | 749                                | 8, 373                            |                                                                 | 1871-1875.                  |
| 183, 530                       | 10, 047                                  | 7, 840                        | 7, 924                             | 2, 474              | 43, 803                                | 1, 185                                         | 2, 564                             | 8, 357                            |                                                                 | 1876-1880.                  |
| 218, 703                       | 12, 093                                  | 11, 796                       | 9, 847                             | 4, 077              | 47, 755                                | 1, 322                                         | 3, 961                             | 13, 552                           |                                                                 | 1881-1885.                  |
| 224, 614                       | 12, 423                                  | 13, 376                       | 8, 846                             | 5, 747              | 51, 151                                | 1, 922                                         | 7, 309                             | 13, 662                           |                                                                 | 1886-1890.                  |
| 230, 743                       | 13, 354                                  | 14, 782                       | 9, 694                             | 10, 184             | 49, 344                                | 3, 241                                         | 14, 302                            | 22, 061                           |                                                                 | 1891-1895.                  |
| 220, 894                       | 20, 494                                  | 22, 390                       | 13, 863                            | 14, 005             | 68, 766                                | 20, 438                                        | 36, 745                            | 50, 125                           |                                                                 | 1896-1900.                  |
| 335, 443                       | 31, 393                                  | 34, 447                       | 17, 413                            | 26, 121             | 82, 260                                | 32, 759                                        | 54, 942                            | 77, 958                           |                                                                 | 1901-1905.                  |
| 347, 582                       | 35, 141                                  | 50, 754                       | 21, 075                            | 38, 825             | 103, 803                               | 64, 297                                        | 92, 334                            | 113, 933                          | 8, 292                                                          | 1906-1910.                  |
| 537, 044                       | 52, 525                                  | 61, 379                       | 24, 687                            | 68, 648             | 137, 058                               | 96, 313                                        | 123, 656                           | 158, 897                          | 35, 805                                                         | 1911-1915.                  |
| 768, 351                       | 214, 697                                 | 60, 030                       | 36, 556                            | 151, 590            | 347, 396                               | 491, 191                                       | 208, 909                           | 354, 216                          | 157, 775                                                        | 1916-1920. <sup>2</sup>     |
| 804, 086                       | 133, 052                                 | 85, 078                       | 30, 846                            | 131, 112            | 405, 051                               | 166, 776                                       | 120, 761                           | 320, 348                          | 177, 164                                                        | 1921-1925.                  |
| 755, 674                       | 124, 079                                 | 100, 571                      | 36, 857                            | 121, 800            | 524, 364                               | 170, 666                                       | 149, 999                           | 489, 720                          | 406, 194                                                        | 1926-1930.                  |
| 360, 530                       | 46, 423                                  | 37, 501                       | 13, 605                            | 51, 678             | 231, 352                               | 62, 931                                        | 39, 920                            | 212, 947                          | 146, 503                                                        | 1931-1935.                  |
| 188, 771                       | 11, 809                                  | 14, 851                       | 9, 499                             | 10, 185             | 40, 658                                | 3, 358                                         | 9, 117                             | 21, 809                           |                                                                 | 1893.                       |
| 120, 859                       | 14, 341                                  | 14, 403                       | 10, 561                            | 12, 093             | 45, 320                                | 3, 340                                         | 22, 133                            | 21, 687                           |                                                                 | 1894.                       |
| 204, 901                       | 13, 790                                  | 14, 989                       | 10, 313                            | 11, 445             | 50, 230                                | 3, 446                                         | 15, 578                            | 24, 224                           |                                                                 | 1895.                       |
| 190, 056                       | 10, 837                                  | 17, 315                       | 11, 836                            | 11, 146             | 66, 790                                | 4, 692                                         | 21, 754                            | 29, 313                           |                                                                 | 1896.                       |
| 230, 891                       | 21, 038                                  | 22, 038                       | 13, 042                            | 11, 556             | 67, 592                                | 10, 782                                        | 33, 651                            | 37, 738                           |                                                                 | 1897.                       |
| 230, 442                       | 17, 024                                  | 20, 393                       | 13, 393                            | 12, 293             | 62, 156                                | 18, 973                                        | 33, 005                            | 44, 438                           |                                                                 | 1898.                       |
| 210, 090                       | 23, 567                                  | 23, 591                       | 13, 039                            | 14, 294             | 63, 078                                | 20, 207                                        | 36, 424                            | 61, 117                           |                                                                 | 1899.                       |
| 242, 089                       | 24, 003                                  | 28, 614                       | 16, 506                            | 20, 737             | 84, 214                                | 38, 534                                        | 58, 862                            | 78, 020                           |                                                                 | 1900.                       |
| 315, 105                       | 20, 272                                  | 32, 370                       | 15, 415                            | 23, 751             | 77, 970                                | 40, 455                                        | 44, 614                            | 73, 459                           |                                                                 | 1901.                       |
| 291, 598                       | 32, 108                                  | 27, 546                       | 16, 330                            | 22, 486             | 81, 162                                | 25, 886                                        | 43, 820                            | 67, 510                           | 949                                                             | 1902.                       |
| 317, 005                       | 32, 216                                  | 33, 681                       | 19, 110                            | 23, 119             | 76, 665                                | 21, 418                                        | 40, 595                            | 76, 202                           | 1, 207                                                          | 1903.                       |
| 372, 049                       | 22, 404                                  | 42, 106                       | 18, 256                            | 30, 044             | 87, 920                                | 30, 532                                        | 58, 119                            | 83, 841                           | 1, 896                                                          | 1904.                       |
| 381, 399                       | 49, 680                                  | 36, 533                       | 17, 956                            | 31, 387             | 87, 582                                | 45, 402                                        | 87, 564                            | 88, 748                           | 2, 481                                                          | 1905.                       |
| 401, 000                       | 52, 044                                  | 44, 116                       | 20, 511                            | 30, 652             | 92, 850                                | 51, 183                                        | 83, 179                            | 108, 379                          | 3, 497                                                          | 1906.                       |
| 481, 278                       | 32, 305                                  | 58, 237                       | 20, 969                            | 37, 741             | 93, 837                                | 55, 451                                        | 96, 601                            | 125, 255                          | 5, 502                                                          | 1907.                       |
| 437, 788                       | 25, 178                                  | 53, 839                       | 22, 825                            | 42, 074             | 112, 857                               | 67, 820                                        | 105, 873                           | 120, 581                          | 5, 278                                                          | 1908.                       |
| 417, 391                       | 31, 870                                  | 44, 213                       | 19, 879                            | 40, 069             | 112, 446                               | 46, 630                                        | 86, 708                            | 98, 983                           | 5, 992                                                          | 1909.                       |
| 450, 447                       | 33, 397                                  | 53, 368                       | 21, 193                            | 43, 690             | 100, 977                               | 60, 403                                        | 89, 309                            | 116, 718                          | 11, 190                                                         | 1910.                       |
| 585, 319                       | 40, 852                                  | 62, 947                       | 24, 384                            | 48, 314             | 105, 494                               | 78, 790                                        | 104, 908                           | 151, 205                          | 15, 509                                                         | 1911.                       |
| 505, 849                       | 50, 770                                  | 66, 811                       | 25, 667                            | 55, 687             | 122, 789                               | 102, 385                                       | 117, 083                           | 160, 645                          | 26, 435                                                         | 1912.                       |
| 647, 837                       | 51, 510                                  | 76, 955                       | 30, 704                            | 68, 416             | 149, 256                               | 124, 222                                       | 143, 124                           | 194, 738                          | 32, 982                                                         | 1913.                       |
| 610, 475                       | 49, 249                                  | 70, 095                       | 26, 326                            | 62, 711             | 161, 086                               | 90, 920                                        | 151, 472                           | 167, 909                          | 34, 591                                                         | 1914.                       |
| 876, 218                       | 70, 247                                  | 30, 085                       | 16, 296                            | 58, 211             | 146, 668                               | 85, 247                                        | 101, 690                           | 119, 990                          | 69, 510                                                         | 1915.                       |
| 157, 548                       | 48, 714                                  | 19, 086                       | 9, 959                             | 37, 236             | 83, 264                                | 100, 894                                       | 70, 033                            | 94, 935                           | 53, 647                                                         | 1915 (6 mos.). <sup>4</sup> |
| 545, 220                       | 127, 052                                 | 33, 061                       | 20, 818                            | 72, 500             | 220, 089                               | 375, 975                                       | 236, 595                           | 278, 071                          | 122, 064                                                        | 1916.                       |
| 575, 304                       | 167, 267                                 | 40, 302                       | 26, 602                            | 118, 956            | 273, 906                               | 644, 924                                       | 362, 871                           | 355, 658                          | 124, 476                                                        | 1917.                       |
| 674, 123                       | 179, 106                                 | 54, 121                       | 28, 095                            | 119, 742            | 369, 542                               | 632, 219                                       | 260, 732                           | 269, 661                          | 100, 889                                                        | 1918.                       |
| 1, 137, 371                    | 270, 235                                 | 76, 884                       | 51, 239                            | 125, 505            | 374, 530                               | 449, 939                                       | 130, 790                           | 361, 900                          | 156, 426                                                        | 1919.                       |
| 1, 136, 409                    | 308, 455                                 | 110, 013                      | 64, 347                            | 359, 895            | 589, 348                               | 497, 601                                       | 141, 717                           | 587, 671                          | 308, 922                                                        | 1920.                       |
| 534, 242                       | 115, 539                                 | 52, 532                       | 28, 040                            | 170, 988            | 399, 871                               | 236, 126                                       | 97, 898                            | 408, 465                          | 83, 749                                                         | 1921.                       |
| 673, 250                       | 136, 679                                 | 67, 890                       | 24, 458                            | 95, 562             | 344, 255                               | 135, 218                                       | 103, 874                           | 239, 943                          | 103, 202                                                        | 1922.                       |
| 807, 103                       | 136, 188                                 | 103, 378                      | 33, 347                            | 166, 014            | 365, 625                               | 167, 065                                       | 129, 220                           | 281, 562                          | 170, 612                                                        | 1923.                       |
| 950, 581                       | 130, 687                                 | 101, 999                      | 32, 243                            | 115, 966            | 442, 554                               | 150, 369                                       | 166, 646                           | 310, 576                          | 209, 872                                                        | 1924.                       |
| 1, 059, 751                    | 148, 167                                 | 99, 589                       | 36, 109                            | 107, 035            | 472, 952                               | 144, 102                                       | 161, 166                           | 367, 206                          | 318, 388                                                        | 1925.                       |
| 814, 420                       | 128, 768                                 | 97, 444                       | 37, 884                            | 263, 884            | 554, 534                               | 174, 101                                       | 141, 204                           | 399, 541                          | 320, 179                                                        | 1926.                       |
| 828, 306                       | 133, 186                                 | 107, 574                      | 38, 089                            | 109, 687            | 485, 093                               | 160, 547                                       | 150, 214                           | 434, 033                          | 388, 528                                                        | 1927.                       |
| 920, 008                       | 134, 642                                 | 108, 798                      | 37, 525                            | 99, 515             | 525, 853                               | 179, 647                                       | 169, 831                           | 492, 697                          | 501, 594                                                        | 1928.                       |
| 770, 830                       | 135, 115                                 | 110, 637                      | 40, 938                            | 108, 151            | 561, 191                               | 200, 143                                       | 183, 404                           | 606, 789                          | 541, 396                                                        | 1929.                       |
| 496, 798                       | 88, 684                                  | 78, 402                       | 28, 849                            | 89, 762             | 494, 339                               | 138, 893                                       | 105, 342                           | 515, 540                          | 279, 127                                                        | 1930.                       |
| 325, 667                       | 60, 070                                  | 45, 070                       | 19, 177                            | 84, 542             | 270, 500                               | 63, 188                                        | 54, 748                            | 316, 831                          | 148, 125                                                        | 1931.                       |
| 545, 164                       | 45, 524                                  | 26, 251                       | 9, 784                             | 44, 543             | 208, 891                               | 23, 855                                        | 21, 237                            | 131, 663                          | 76, 255                                                         | 1932.                       |
| 398, 212                       | 39, 351                                  | 32, 275                       | 11, 676                            | 40, 409             | 200, 016                               | 45, 531                                        | 24, 818                            | 132, 528                          | 90, 680                                                         | 1933.                       |
| 372, 755                       | 43, 461                                  | 42, 777                       | 13, 704                            | 59, 884             | 227, 537                               | 88, 678                                        | 49, 765                            | 218, 556                          | 190, 216                                                        | 1934.                       |
| 390, 898                       | 38, 708                                  | 41, 103                       | 14, 234                            | 52, 014             | 250, 327                               | 88, 405                                        | 43, 933                            | 265, 355                          | 227, 280                                                        | 1935.                       |

<sup>2</sup> Average for period July 1, 1915, to Dec. 31, 1920.

<sup>4</sup> July to December.

## No. 522.—VALUE OF PRINCIPAL COMMODITIES

NOTE.—For basis of dollar values, see general note, p. 427. Figures represent "general imports" through ended Sept. 30 through 1840, and June 30, 1850, through 1915; calendar years thereafter.

[All figures in thou

| Year or yearly average     | Hides and skins | Furs, and manufactures <sup>1</sup> | Fruits and nuts | Vegetable oils, expressed, and fats | Coffee  | Sugar <sup>2</sup> | Rubber, crude | Tobacco, unmanufactured | Cotton manufactures <sup>3</sup> | Burlaps |
|----------------------------|-----------------|-------------------------------------|-----------------|-------------------------------------|---------|--------------------|---------------|-------------------------|----------------------------------|---------|
| 1821                       | 893             | 224                                 | 181             | 4,490                               | 3,554   |                    |               |                         | 7,391                            |         |
| 1830                       | 2,410           | 306                                 | 520             | 18                                  | 4,227   | 4,631              |               |                         | 7,865                            |         |
| 1840                       | 2,766           | 423                                 | 1,405           | 263                                 | 5,546   | 5,581              |               |                         | 6,504                            |         |
| 1850                       | 4,769           | 1,014                               | 1,191           | 922                                 | 11,236  | 7,559              |               | 272                     | 20,781                           |         |
| 1860                       | 10,525          | 1,838                               | 4,804           | 1,619                               | 21,884  | 31,079             | 1,427         | 1,368                   | 33,212                           |         |
| 1866                       | 4,560           | 2,309                               | 2,265           | 634                                 | 11,242  | 27,326             | 1,223         | 562                     | 9,224                            |         |
| 1870                       | 14,402          | 2,238                               | 7,417           | 2,153                               | 24,235  | 56,924             | 3,460         | 2,634                   | 23,380                           |         |
| 1871-1875                  | 16,649          | 3,704                               | 10,987          | 1,097                               | 43,737  | 76,764             | 5,391         | 4,725                   | 31,263                           |         |
| 1876-1880                  | 18,237          | 4,080                               | 11,456          | 1,230                               | 54,011  | 73,678             | 5,968         | 4,000                   | 22,118                           |         |
| 1881-1885                  | 25,179          | 7,239                               | 17,880          | 1,697                               | 48,257  | 87,906             | 12,732        | 6,188                   | 31,739                           |         |
| 1886-1890                  | 24,373          | 7,161                               | 19,584          | 1,893                               | 62,504  | 83,614             | 13,791        | 11,170                  | 28,868                           | 4,552   |
| 1891-1895                  | 25,208          | 9,707                               | 21,322          | 3,026                               | 98,220  | 105,940            | 17,763        | 12,810                  | 29,482                           | 5,826   |
| 1896-1900                  | 39,076          | 9,224                               | 17,661          | 3,716                               | 67,830  | 88,795             | 24,506        | 11,355                  | 33,694                           | 8,021   |
| 1901-1905                  | 50,206          | 15,008                              | 23,034          | 7,350                               | 69,450  | 77,440             | 34,823        | 16,743                  | 47,839                           | 14,368  |
| 1906-1910                  | 62,519          | 21,469                              | 33,692          | 14,002                              | 73,496  | 92,286             | 60,687        | 24,905                  | 67,851                           | 22,730  |
| 1911-1915                  | 102,967         | 19,341                              | 43,033          | 26,554                              | 108,970 | 118,240            | 82,736        | 31,576                  | 63,049                           | 30,749  |
| 1916-1920 <sup>4</sup>     | 201,517         | 47,620                              | 61,755          | 84,492                              | 165,205 | 393,906            | 192,149       | 51,012                  | 66,816                           | 62,691  |
| 1921-1925                  | 93,067          | 80,562                              | 75,490          | 59,652                              | 205,792 | 295,389            | 102,922       | 44,831                  | 86,668                           | 60,406  |
| 1926-1930                  | 118,003         | 114,785                             | 84,868          | 81,040                              | 281,707 | 297,318            | 294,428       | 57,018                  | 63,627                           | 72,250  |
| 1931-1935 <sup>4</sup>     | 39,796          | 43,126                              | 48,407          | 46,012                              | 141,173 | 113,110            | 74,573        | 27,118                  | 34,472                           | 26,141  |
| 1936                       | 28,348          | 10,568                              | 23,687          | 3,646                               | 80,486  | 116,266            | 17,809        | 14,703                  | 33,638                           | 0,154   |
| 1937                       | 16,789          | 7,620                               | 15,766          | 2,641                               | 90,316  | 126,872            | 15,078        | 10,986                  | 22,440                           | 4,597   |
| 1938                       | 26,123          | 10,322                              | 17,240          | 3,822                               | 96,131  | 70,463             | 18,353        | 14,740                  | 33,297                           | 6,789   |
| 1939                       | 30,620          | 9,303                               | 19,202          | 3,064                               | 84,703  | 89,220             | 16,003        | 16,503                  | 32,463                           | 6,447   |
| 1940                       | 27,863          | 6,015                               | 17,127          | 3,487                               | 81,544  | 90,000             | 17,468        | 9,564                   | 34,601                           | 0,245   |
| 1941                       | 37,069          | 7,881                               | 14,567          | 3,358                               | 65,098  | 60,473             | 25,386        | 7,489                   | 27,420                           | 5,671   |
| 1942                       | 41,988          | 10,861                              | 18,314          | 3,609                               | 55,275  | 94,904             | 31,708        | 9,900                   | 32,265                           | 8,138   |
| 1943                       | 67,936          | 12,060                              | 19,264          | 4,462                               | 52,468  | 100,251            | 31,377        | 13,297                  | 41,441                           | 10,606  |
| 1944                       | 48,220          | 11,020                              | 19,587          | 4,688                               | 62,661  | 90,488             | 28,455        | 16,290                  | 40,436                           | 12,606  |
| 1945                       | 68,007          | 15,624                              | 21,481          | 6,620                               | 70,982  | 55,001             | 24,899        | 15,212                  | 44,066                           | 16,632  |
| 1946                       | 58,032          | 15,302                              | 23,727          | 9,487                               | 50,201  | 72,089             | 30,437        | 17,235                  | 53,209                           | 14,378  |
| 1947                       | 62,006          | 14,793                              | 24,436          | 7,829                               | 69,552  | 71,816             | 40,444        | 10,939                  | 50,370                           | 14,831  |
| 1948                       | 64,794          | 18,309                              | 25,337          | 8,119                               | 84,654  | 97,645             | 49,378        | 18,030                  | 50,102                           | 14,063  |
| 1949                       | 83,882          | 21,856                              | 28,016          | 9,088                               | 73,256  | 85,460             | 45,114        | 22,448                  | 64,389                           | 20,084  |
| 1950                       | 83,207          | 21,334                              | 35,605          | 11,690                              | 75,232  | 92,806             | 58,920        | 26,055                  | 74,747                           | 29,114  |
| 1951                       | 54,770          | 15,918                              | 36,874          | 12,369                              | 67,688  | 80,268             | 36,613        | 22,870                  | 68,826                           | 23,225  |
| 1952                       | 78,487          | 21,087                              | 30,444          | 14,622                              | 70,112  | 96,555             | 61,710        | 25,401                  | 68,232                           | 19,780  |
| 1953                       | 112,248         | 26,598                              | 36,601          | 21,639                              | 89,184  | 106,349            | 101,079       | 27,751                  | 68,053                           | 21,448  |
| 1954                       | 70,605          | 23,619                              | 39,978          | 25,071                              | 90,598  | 96,691             | 76,245        | 27,856                  | 67,004                           | 21,104  |
| 1955                       | 102,476         | 24,986                              | 42,567          | 26,167                              | 117,827 | 115,515            | 93,013        | 31,919                  | 65,176                           | 24,359  |
| 1956                       | 117,386         | 24,102                              | 41,091          | 25,191                              | 118,963 | 103,640            | 90,170        | 35,919                  | 66,097                           | 37,774  |
| 1957                       | 120,290         | 13,833                              | 61,026          | 30,650                              | 110,728 | 101,486            | 71,229        | 36,020                  | 70,723                           | 42,421  |
| 1958                       | 104,177         | 10,162                              | 40,504          | 23,699                              | 106,796 | 173,867            | 83,080        | 27,157                  | 40,768                           | 28,089  |
| 1959 (6 mos.) <sup>5</sup> | 67,679          | 8,940                               | 20,895          | 10,984                              | 54,304  | 67,425             | 58,858        | 9,384                   | 20,767                           | 15,800  |
| 1960                       | 172,603         | 21,060                              | 44,749          | 40,081                              | 118,813 | 227,319            | 159,745       | 26,866                  | 54,009                           | 39,089  |
| 1961                       | 209,730         | 29,038                              | 44,744          | 66,307                              | 122,607 | 221,990            | 233,221       | 33,472                  | 55,675                           | 53,704  |
| 1962                       | 108,044         | 34,194                              | 48,722          | 111,312                             | 96,423  | 241,890            | 146,378       | 54,080                  | 40,701                           | 80,279  |
| 1963                       | 305,610         | 76,278                              | 78,991          | 127,833                             | 261,270 | 393,171            | 215,820       | 75,146                  | 62,662                           | 66,022  |
| 1964                       | 243,878         | 92,399                              | 101,551         | 108,026                             | 262,461 | 1,016,188          | 242,796       | 81,630                  | 137,583                          | 89,369  |
| 1965                       | 67,661          | 40,526                              | 73,532          | 39,880                              | 142,809 | 235,287            | 73,773        | 54,172                  | 75,004                           | 41,377  |
| 1966                       | 107,039         | 68,614                              | 72,499          | 59,042                              | 180,854 | 251,905            | 101,843       | 66,000                  | 87,070                           | 49,256  |
| 1967                       | 118,917         | 88,562                              | 70,463          | 64,656                              | 190,232 | 380,000            | 185,060       | 67,158                  | 100,153                          | 69,972  |
| 1968                       | 75,052          | 88,259                              | 72,335          | 59,667                              | 245,828 | 383,656            | 174,231       | 75,362                  | 90,914                           | 59,305  |
| 1969                       | 96,764          | 116,765                             | 88,664          | 74,085                              | 286,235 | 243,008            | 429,705       | 71,464                  | 79,271                           | 85,028  |
| 1970                       | 96,811          | 119,650                             | 87,590          | 79,090                              | 322,746 | 232,534            | 505,818       | 60,570                  | 67,159                           | 82,238  |
| 1971                       | 112,846         | 138,025                             | 84,721          | 78,659                              | 264,275 | 258,163            | 339,859       | 74,617                  | 66,197                           | 67,249  |
| 1972                       | 160,810         | 121,711                             | 89,667          | 77,919                              | 306,644 | 207,048            | 244,565       | 65,160                  | 69,266                           | 80,087  |
| 1973                       | 137,281         | 125,853                             | 86,898          | 100,692                             | 302,397 | 209,277            | 240,966       | 53,821                  | 69,264                           | 77,377  |
| 1974                       | 92,268          | 68,686                              | 75,496          | 73,402                              | 200,472 | 129,566            | 140,642       | 40,922                  | 46,219                           | 54,300  |
| 1975                       | 60,302          | 55,860                              | 60,008          | 47,977                              | 174,904 | 112,780            | 73,803        | 37,088                  | 40,664                           | 28,767  |
| 1976                       | 22,493          | 28,495                              | 44,270          | 29,254                              | 136,812 | 96,718             | 82,638        | 23,027                  | 27,092                           | 16,906  |
| 1977                       | 45,678          | 38,109                              | 37,388          | 34,648                              | 124,137 | 107,642            | 45,868        | 21,608                  | 32,026                           | 24,430  |
| 1978                       | 45,349          | 37,447                              | 37,478          | 34,236                              | 124,137 | 104,935            | 45,868        | 24,532                  | 30,869                           | 24,181  |
| 1979                       | 35,260          | 40,664                              | 45,665          | 34,698                              | 133,154 | 117,615            | 101,573       | 25,131                  | 31,910                           | 27,628  |
| 1980                       | 45,577          | 53,161                              | 54,618          | 78,836                              | 180,860 | 133,601            | 119,082       | 25,702                  | 41,023                           | 33,029  |

<sup>1</sup> Includes fur hats beginning 1921; formerly classified as miscellaneous textile products.

<sup>2</sup> Includes sirups and maple sugar prior to Oct. 4, 1913.

<sup>3</sup> Includes semimanufactures.

<sup>4</sup> Saltpeter transferred to fertilizers from chemicals beginning 1921.

## IMPORTED INTO THE UNITED STATES

1933, "imports for consumption" thereafter, except as indicated in footnotes. Figures cover fiscal years. In some cases blanks represent entire absence of trade; in other cases the item was not segregated

[in thousands of dollars]

| Wool and mohair | Wool manufactures (including rugs, rolls, waste) | Silk, raw | Saw-mill products | Wood pulp | Paper and manufactures | Petroleum and products | Copper, including ore and manufactures | Tin, including ore | Fertilizers and materials | Year or yearly average      |
|-----------------|--------------------------------------------------|-----------|-------------------|-----------|------------------------|------------------------|----------------------------------------|--------------------|---------------------------|-----------------------------|
| 97              | 7,239                                            |           |                   |           | 58                     |                        | 233                                    | 149                |                           | 1821.                       |
| 846             | 5,901                                            | 119       |                   |           | 170                    |                        | 807                                    | 108                |                           | 1830.                       |
| 1,090           | 10,808                                           | 234       |                   |           | 70                     |                        | 1,653                                  | 229                |                           | 1840.                       |
| 4,843           | 19,621                                           | 386       |                   |           | 432                    |                        | 2,418                                  | 674                | 92                        | 1850.                       |
| 7,734           | 43,142                                           | 1,236     |                   |           | 497                    |                        | 1,630                                  | 1,158              | 526                       | 1860.                       |
| 6,743           | 21,920                                           | 1,194     |                   |           | 372                    |                        | 1,144                                  | 591                | 590                       | 1885.                       |
|                 | 34,491                                           | 3,018     |                   |           | 1,100                  |                        | 666                                    | 2,043              | 2,192                     | 1870.                       |
| 15,150          | 47,703                                           | 5,287     | 7,542             |           | 1,822                  |                        | 1,495                                  | 3,186              | 2,383                     | 1871-1875.                  |
| 10,506          | 28,482                                           | 7,545     | 4,017             |           | 1,359                  |                        | 672                                    | 2,827              | 2,251                     | 1876-1880.                  |
| 10,603          | 37,946                                           | 12,545    | 8,076             |           | 1,838                  |                        | 625                                    | 4,963              | 4,077                     | 1881-1885.                  |
| 16,459          | 48,638                                           | 19,380    | 8,608             |           | 2,325                  |                        | 470                                    | 7,095              | 4,723                     | 1886-1890.                  |
| 18,129          | 34,531                                           | 21,806    | 9,194             | 1,851     | 3,149                  |                        | 899                                    | 7,087              | 6,240                     | 1891-1895.                  |
| 26,212          | 29,490                                           | 30,514    | 7,707             | 1,107     | 2,852                  |                        | 5,866                                  | 10,604             | 7,043                     | 1896-1900.                  |
| 24,687          | 17,420                                           | 44,815    | 12,147            | 3,027     | 3,539                  |                        | 22,611                                 | 21,550             | 14,892                    | 1901-1905.                  |
| 40,132          | 21,286                                           | 66,202    | 21,112            | 7,729     | 6,708                  |                        | 38,026                                 | 30,244             | 27,048                    | 1906-1910.                  |
| 42,664          | 22,777                                           | 80,079    | 21,884            | 10,254    | 12,952                 | 8,077                  | 46,129                                 | 41,493             | 39,631                    | 1911-1915.                  |
| 170,173         | 26,852                                           | 213,960   | 45,592            | 42,814    | 47,214                 | 30,363                 | 103,805                                | 73,739             | 67,142                    | 1915-1920. <sup>a</sup>     |
| 102,369         | 64,592                                           | 348,123   | 68,410            | 67,002    | 105,239                | 90,783                 | 77,811                                 | 59,225             | 57,140                    | 1921-1925.                  |
| 78,790          | 69,295                                           | 368,232   | 50,708            | 86,044    | 151,219                | 131,901                | 108,244                                | 89,058             | 87,997                    | 1926-1930.                  |
| 18,731          | 17,114                                           | 115,054   | 14,961            | 59,544    | 95,523                 | 50,536                 | 29,682                                 | 43,837             | 28,569                    | 1931-1935. <sup>a</sup>     |
| 21,004          | 38,049                                           | 29,056    | 10,739            | 2,909     | 3,881                  |                        | 944                                    | 12,359             | 6,157                     | 1893.                       |
| 6,107           | 19,439                                           | 15,628    | 8,289             | 1,665     | 2,628                  |                        | 861                                    | 2,641              | 5,749                     | 1894.                       |
| 25,556          | 38,540                                           | 22,029    | 7,259             | 858       | 2,864                  |                        | 801                                    | 6,787              | 7,336                     | 1895.                       |
| 32,451          | 53,494                                           | 26,247    | 8,527             | 1,053     | 3,169                  |                        | 1,530                                  | 6,762              | 7,161                     | 1896.                       |
| 53,248          | 49,163                                           | 18,497    | 9,035             | 801       | 3,122                  |                        | 1,626                                  | 6,636              | 5,785                     | 1897.                       |
| 10,784          | 14,824                                           | 31,447    | 5,098             | 602       | 2,839                  |                        | 3,899                                  | 8,776              | 6,811                     | 1898.                       |
| 8,323           | 13,833                                           | 31,827    | 6,015             | 672       | 2,392                  |                        | 6,817                                  | 11,843             | 5,949                     | 1899.                       |
| 20,261          | 10,164                                           | 44,560    | 9,829             | 2,406     | 2,890                  |                        | 15,490                                 | 19,104             | 9,509                     | 1900.                       |
| 12,530          | 14,585                                           | 29,354    | 8,636             | 1,586     | 3,055                  |                        | 20,582                                 | 19,806             | 11,525                    | 1901.                       |
| 17,712          | 17,384                                           | 41,714    | 12,015            | 2,059     | 3,170                  |                        | 25,063                                 | 19,482             | 11,741                    | 1902.                       |
| 22,153          | 19,546                                           | 49,003    | 13,922            | 3,368     | 3,483                  |                        | 20,891                                 | 23,619             | 15,087                    | 1903.                       |
| 24,814          | 17,734                                           | 44,402    | 12,027            | 3,068     | 21,632                 |                        | 21,632                                 | 21,486             | 16,812                    | 1904.                       |
| 46,226          | 17,894                                           | 59,543    | 14,137            | 4,501     | 4,117                  |                        | 24,835                                 | 23,378             | 19,294                    | 1905.                       |
| 89,093          | 23,081                                           | 52,856    | 19,367            | 4,585     | 4,793                  |                        | 32,563                                 | 30,938             | 22,761                    | 1906.                       |
| 41,594          | 22,821                                           | 70,230    | 20,959            | 6,849     | 6,759                  |                        | 47,725                                 | 38,117             | 25,968                    | 1907.                       |
| 33,665          | 19,888                                           | 63,660    | 20,257            | 7,313     | 7,312                  | 584                    | 31,520                                 | 25,295             | 24,237                    | 1908.                       |
| 45,172          | 18,102                                           | 78,831    | 20,900            | 8,629     | 7,183                  | 556                    | 38,078                                 | 26,007             | 20,616                    | 1909.                       |
| 51,221          | 23,632                                           | 65,425    | 24,079            | 11,768    | 7,491                  | 962                    | 40,245                                 | 30,870             | 35,820                    | 1910.                       |
| 33,228          | 18,670                                           | 72,714    | 20,761            | 13,980    | 8,224                  | 2,578                  | 39,682                                 | 37,936             | 41,553                    | 1911.                       |
| 33,078          | 14,913                                           | 67,173    | 19,794            | 14,219    | 7,273                  | 4,006                  | 45,217                                 | 46,214             | 38,900                    | 1912.                       |
| 35,580          | 16,318                                           | 82,148    | 23,098            | 16,165    | 12,169                 | 9,721                  | 59,580                                 | 53,113             | 41,383                    | 1913.                       |
| 35,191          | 34,294                                           | 87,828    | 22,312            | 17,023    | 18,244                 | 13,998                 | 54,606                                 | 39,422             | 46,381                    | 1914.                       |
| 68,243          | 29,791                                           | 80,532    | 22,453            | 19,881    | 18,849                 | 10,087                 | 31,661                                 | 30,778             | 30,139                    | 1915.                       |
| 43,363          | 7,461                                            | 63,302    | 16,231            | 8,567     | 9,858                  | 5,985                  | 27,992                                 | 21,422             | 15,550                    | 1915 (6 mos.). <sup>1</sup> |
| 125,524         | 16,471                                           | 144,767   | 30,497            | 20,986    | 24,611                 | 14,398                 | 95,335                                 | 55,836             | 43,859                    | 1916.                       |
| 171,587         | 29,343                                           | 184,283   | 35,094            | 41,979    | 42,081                 | 21,243                 | 137,787                                | 68,372             | 66,731                    | 1917.                       |
| 251,773         | 22,809                                           | 180,210   | 41,960            | 31,477    | 48,214                 | 26,232                 | 133,525                                | 104,689            | 95,995                    | 1918.                       |
| 216,765         | 19,486                                           | 329,339   | 50,314            | 37,048    | 54,452                 | 32,414                 | 86,271                                 | 62,762             | 31,894                    | 1919.                       |
| 126,972         | 58,116                                           | 284,891   | 76,057            | 89,418    | 80,510                 | 66,724                 | 90,019                                 | 92,582             | 114,850                   | 1920.                       |
| 60,482          | 51,218                                           | 259,054   | 44,492            | 39,396    | 38,309                 | 77,715                 | 45,785                                 | 22,319             | 31,278                    | 1921.                       |
| 86,546          | 50,414                                           | 395,787   | 63,844            | 63,292    | 35,334                 | 88,485                 | 66,829                                 | 46,302             | 45,265                    | 1922.                       |
| 129,711         | 68,118                                           | 391,068   | 82,622            | 74,744    | 115,659                | 78,713                 | 95,888                                 | 63,261             | 64,050                    | 1923.                       |
| 93,151          | 69,310                                           | 327,582   | 72,942            | 75,743    | 117,673                | 101,357                | 96,184                                 | 69,024             | 66,586                    | 1924.                       |
| 141,957         | 75,900                                           | 396,286   | 78,150            | 81,834    | 119,201                | 107,694                | 84,270                                 | 95,219             | 78,520                    | 1925.                       |
| 106,721         | 70,667                                           | 392,760   | 74,579            | 91,231    | 139,499                | 124,556                | 99,742                                 | 104,980            | 69,766                    | 1926.                       |
| 82,933          | 78,775                                           | 390,365   | 64,004            | 85,842    | 149,365                | 113,434                | 84,963                                 | 100,944            | 59,070                    | 1927.                       |
| 79,801          | 78,391                                           | 367,997   | 54,885            | 85,464    | 156,407                | 132,842                | 98,187                                 | 87,052             | 78,494                    | 1928.                       |
| 87,344          | 78,501                                           | 427,126   | 54,160            | 88,573    | 163,365                | 143,568                | 153,710                                | 91,905             | 72,886                    | 1929.                       |
| 37,092          | 40,142                                           | 262,918   | 35,859            | 81,109    | 147,461                | 145,116                | 104,616                                | 60,411             | 59,771                    | 1930.                       |
| 22,372          | 22,905                                           | 191,290   | 20,319            | 60,887    | 125,628                | 92,743                 | 48,744                                 | 36,731             | 45,441                    | 1931.                       |
| 6,029           | 12,699                                           | 113,832   | 10,913            | 46,903    | 94,135                 | 60,630                 | 23,735                                 | 16,478             | 18,689                    | 1932.                       |
| 21,457          | 16,273                                           | 102,536   | 12,282            | 67,369    | 77,447                 | 25,887                 | 17,554                                 | 51,199             | 24,674                    | 1933.                       |
| 18,547          | 15,861                                           | 108,536   | 18,251            | 67,869    | 77,894                 | 25,693                 | 14,834                                 | 51,252             | 24,674                    | 1933. <sup>a</sup>          |
| 16,784          | 14,632                                           | 71,764    | 11,772            | 61,825    | 38,520                 | 36,521                 | 27,786                                 | 44,802             | 26,029                    | 1934.                       |
| 29,925          | 19,740                                           | 95,797    | 19,551            | 70,735    | 93,444                 | 37,346                 | 33,213                                 | 69,921             | 28,561                    | 1935.                       |

<sup>1</sup> Average for period July 1, 1915, to Dec. 31, 1920.

<sup>a</sup> "General imports" through 1932; "Imports for consumption" thereafter.

<sup>1</sup> July to December.

<sup>a</sup> Imports for consumption; see headnote.



## No. 523.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES

NOTE.—See general note, p. 427. Data are for calendar years. Figures for 1926-30 are annual averages. For a number of items data are not shown separately for all years from 1926-30, and for this reason many averages for 2, 3, and 4 years are shown in the table. Averages shown for group totals, however, always cover 5 years. In some cases the detail does not add to the total because of the different periods covered by the averages. Blanks indicate no data or data not shown separately.

| Group and article                                | Quantity  |         |         |         |         |         | Value in thousands of dollars |           |           |           |           |           |
|--------------------------------------------------|-----------|---------|---------|---------|---------|---------|-------------------------------|-----------|-----------|-----------|-----------|-----------|
|                                                  | 1926-1930 | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931      | 1932      | 1933      | 1934      | 1935      |
| Total exports of domestic merchandise            |           |         |         |         |         |         | 4,687,788                     | 2,377,982 | 1,576,161 | 1,647,220 | 2,100,135 | 2,243,081 |
| GROUP 00.—ANIMALS AND ANIMAL PRODUCTS,<br>EDIBLE |           |         |         |         |         |         |                               |           |           |           |           |           |
| Total                                            |           |         |         |         |         |         | 233,340                       | 117,393   | 69,474    | 75,389    | 82,379    | 60,723    |
| A. Animals, edible                               |           |         |         |         |         |         |                               |           |           |           |           |           |
| Cattle for breeding.....number                   | 5,552     | 2,377   | 1,656   | 1,443   | 1,647   | 1,711   | 1,981                         | 546       | 388       | 383       | 527       | 503       |
| Other cattle.....do                              | 7,885     | 1,727   | 1,958   | 1,469   | 8,321   | 1,637   | 622                           | 320       | 129       | 136       | 170       | 212       |
| Hogs (swine).....do                              | 32,636    | 1,228   | 11,078  | 14,207  | 3,052   | 303     | 319                           | 79        | 87        | 56        | 194       | 69        |
| Sheep and goats.....do                           | 12,233    | 2,436   | 4,123   | 676     | 6,265   | 13,420  | 658                           | 20        | 112       | 143       | 45        | 12        |
| Poultry, live.....1,000 lbs.                     | 523       | 165     | 50      | 50      | 49      | 61      | 180                           | 31        | 9         | 13        | 89        | 182       |
|                                                  |           |         |         |         |         |         | 302                           | 96        | 31        | 36        | 29        | 38        |
| B. Meat products.....do                          | 425,286   | 253,305 | 191,013 | 231,439 | 251,393 | 155,347 | 77,988                        | 35,653    | 18,967    | 25,507    | 35,168    | 28,323    |
| Beef and veal—                                   |           |         |         |         |         |         |                               |           |           |           |           |           |
| Fresh or frozen.....do                           | 2,408     | 2,083   | 1,633   | 2,898   | 5,460   | 4,838   | 503                           | 444       | 293       | 370       | 735       | 843       |
| Pickled or cured.....do                          | 13,876    | 13,022  | 9,868   | 12,734  | 13,940  | 5,662   | 1,591                         | 929       | 620       | 707       | 824       | 536       |
| Horse meat, pickled or cured.....do              |           | 7,421   | 4,021   | 2,695   | 2,008   | 1,331   |                               | 563       | 264       | 204       | 199       | 138       |
| Pork:                                            |           |         |         |         |         |         |                               |           |           |           |           |           |
| Carcases, fresh or frozen.....do                 | 2,420     | 224     | 131     | 698     | 1,535   | 79      | 370                           | 26        | 11        | 57        | 136       | 13        |
| Loins and other fresh pork.....do                | 10,845    | 9,323   | 8,002   | 13,712  | 35,223  | 10,129  | 1,966                         | 1,344     | 698       | 1,330     | 3,905     | 1,365     |
| Hams and shoulders, cured.....do                 | 135,289   | 84,885  | 65,213  | 78,579  | 65,104  | 55,380  | 28,478                        | 13,078    | 6,737     | 8,663     | 9,625     | 10,278    |
| Bacon.....do                                     | 119,990   | 36,692  | 18,173  | 20,397  | 18,182  | 5,868   | 19,231                        | 4,351     | 1,340     | 1,530     | 1,667     | 962       |
| Cumberland and Wiltshire sides.....do            | 10,853    | 1,716   | 784     | 1,193   | 439     | 443     | 2,038                         | 219       | 62        | 114       | 58        | 79        |
| Other pork, pickled or salted.....do             | 33,427    | 15,789  | 15,259  | 16,608  | 18,385  | 8,276   | 4,860                         | 1,576     | 1,031     | 1,044     | 1,356     | 968       |
| Mutton and lamb.....do                           | 1,044     | 550     | 259     | 321     | 594     | 592     | 230                           | 108       | 42        | 47        | 98        | 109       |
| Sausage, not canned.....do                       | 3,307     | 2,618   | 2,037   | 2,632   | 2,450   | 1,530   | 1,115                         | 638       | 366       | 453       | 458       | 327       |
| Canned meats.....do                              | 16,418    | 15,842  | 11,420  | 13,499  | 16,362  | 12,564  | 5,752                         | 5,025     | 2,358     | 2,982     | 5,298     | 4,305     |
| Beef.....do                                      | 2,323     | 1,478   | 1,003   | 1,202   | 2,484   | 2,110   | 838                           | 481       | 244       | 289       | 811       | 710       |
| Pork.....do                                      | 8,865     | 11,246  | 8,713   | 10,847  | 11,675  | 8,505   | 3,813                         | 3,852     | 1,795     | 2,414     | 4,026     | 3,114     |
| Sausage.....do                                   | 2,634     | 1,006   | 910     | 922     | 1,371   | 1,029   | 817                           | 251       | 191       | 192       | 311       | 269       |
| Other canned meat.....do                         | 2,596     | 1,612   | 794     | 528     | 833     | 920     | 785                           | 441       | 128       | 87        | 150       | 212       |
| Poultry and game, fresh.....do                   | 3,318     | 2,757   | 1,258   | 2,429   | 2,300   | 1,718   | 1,015                         | 736       | 277       | 412       | 431       | 401       |
| Other meats (including edible offal).....do      | 39,157    | 35,215  | 28,038  | 31,854  | 32,111  | 18,309  | 4,260                         | 3,196     | 1,931     | 2,274     | 3,018     | 2,145     |
| Sausage casings:                                 |           |         |         |         |         |         |                               |           |           |           |           |           |
| Hog casings.....do                               |           | 11,004  | 9,701   | 11,882  | 11,229  | 5,708   |                               | 2,004     | 1,567     | 2,851     | 4,187     | 3,300     |
| Beef casings.....do                              |           | 12,701  | 13,621  | 18,301  | 24,824  | 21,797  |                               | 1,094     | 1,121     | 2,155     | 2,673     | 1,896     |
| Other casings.....do                             |           | 1,961   | 1,689   | 1,006   | 1,248   | 1,123   | 6,578                         | 323       | 240       | 309       | 499       | 659       |
| C. Animal oils and fats, edible                  |           |         |         |         |         |         |                               |           |           |           |           |           |
| Oleo oil.....do                                  | 835,263   | 643,595 | 612,187 | 640,054 | 473,555 | 111,914 | 109,210                       | 56,631    | 35,686    | 37,456    | 28,899    | 13,663    |
| Oleo stock.....do                                | 72,691    | 47,823  | 42,409  | 53,783  | 20,713  | 9,251   | 8,607                         | 3,309     | 2,481     | 1,837     | 1,321     | 1,068     |
|                                                  | 9,346     | 7,924   | 7,075   | 8,633   | 5,979   | 3,378   | 1,059                         | 539       | 394       | 483       | 409       | 387       |

|                                                                        |         |         |         |         |         |        |        |        |        |        |        |        |
|------------------------------------------------------------------------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| Tallow.....do.....                                                     | 5,977   | 2,665   | 2,511   | 6,839   | 7,347   | 536    | 507    | 171    | 113    | 319    | 336    | 61     |
| Lard, including neutral lard—                                          |         |         |         |         |         |        |        |        |        |        |        |        |
| Lard.....do.....                                                       | 722,360 | 568,708 | 546,202 | 579,132 | 431,237 | 96,355 | 95,660 | 51,069 | 31,885 | 34,098 | 26,096 | 11,870 |
| Neutral lard.....do.....                                               | 18,867  | 9,688   | 5,951   | 5,107   | 3,654   | 1,005  | 2,671  | 929    | 386    | 334    | 242    | 136    |
| Oleo stearin.....do.....                                               | 5,153   | 6,842   | 7,534   | 6,273   | 4,255   | 1,261  | 565    | 540    | 364    | 306    | 256    | 129    |
| Oleomargarine of animal or vegetable fats<br>1,000 lbs.....            | 900     | 547     | 474     | 288     | 369     | 128    | 141    | 74     | 53     | 30     | 39     | 17     |
| D. Dairy products.....                                                 |         |         |         |         |         |        | 17,447 | 11,024 | 6,072  | 4,021  | 5,195  | 4,530  |
| Milk and cream:                                                        |         |         |         |         |         |        |        |        |        |        |        |        |
| Fresh and sterilized.....1,000 gals.....                               | 124     | 101     | 86      | 36      | 59      | 91     | 77     | 70     | 33     | 27     | 50     | 59     |
| Condensed (sweetened).....1,000 lbs.....                               | 36,669  | 19,324  | 11,502  | 4,725   | 8,202   | 4,890  | 5,791  | 3,306  | 1,789  | 569    | 1,014  | 606    |
| Evaporated (unsweetened).....do.....                                   | 70,086  | 55,761  | 39,305  | 32,365  | 37,963  | 32,227 | 7,075  | 4,609  | 2,626  | 1,940  | 2,335  | 2,139  |
| Dried.....do.....                                                      | 4,314   | 12,790  | 3,558   | 2,450   | 3,120   | 2,742  | 1,114  | 1,538  | 692    | 571    | 623    | 619    |
| Butter.....do.....                                                     | 4,080   | 1,984   | 1,605   | 1,191   | 1,220   | 958    | 1,877  | 637    | 391    | 280    | 314    | 247    |
| Cheese.....do.....                                                     | 2,904   | 1,673   | 1,408   | 1,281   | 1,377   | 1,152  | 836    | 375    | 238    | 236    | 269    | 254    |
| Infants' foods, malted milk, etc.....do.....                           | 2,389   | 1,698   | 1,450   | 1,452   | 1,707   | 2,048  | 677    | 490    | 383    | 397    | 539    | 605    |
| E. Fish.....                                                           |         |         |         |         |         |        | 19,941 | 11,880 | 7,657  | 7,376  | 12,003 | 12,876 |
| Fresh—                                                                 |         |         |         |         |         |        |        |        |        |        |        |        |
| Salmon.....1,000 lbs.....                                              | 3,305   | 3,989   | 5,299   | 5,754   | 7,928   | 3,125  | 523    | 534    | 484    | 545    | 765    | 382    |
| Other.....do.....                                                      | 4,664   | 5,075   | 3,628   | 2,744   | 2,848   | 2,020  | 444    | 421    | 202    | 207    | 225    | 173    |
| Shellfish, not canned—                                                 |         |         |         |         |         |        |        |        |        |        |        |        |
| Oysters, fresh in the shell.....do.....                                |         |         |         | 2,902   | 3,293   | 3,854  |        |        |        | 97     | 109    | 110    |
| Oysters, fresh, shucked, frozen, or in<br>ice.....1,000 lbs.....       |         |         |         | 1,265   | 1,535   | 1,650  |        |        |        | 152    | 185    | 212    |
| Shrimp, fresh, frozen, or in ice.....do.....                           | 7,323   | 9,035   | 6,972   | 1,853   | 1,522   | 3,373  | 1,094  | 1,034  | 632    | 177    | 157    | 382    |
| Shrimp, dried.....do.....                                              |         |         |         | 1,647   | 1,648   | 1,813  |        |        |        | 266    | 269    | 308    |
| Other shellfish, fresh, frozen, in ice, or<br>dried.....1,000 lbs..... |         |         |         | 129     | 225     | 210    |        |        |        | 14     | 21     | 26     |
| Fish, salted, smoked, or dry-cured—                                    |         |         |         |         |         |        |        |        |        |        |        |        |
| Salmon.....do.....                                                     | 2,866   | 3,636   | 1,470   | 779     | 514     | 891    | 656    | 375    | 157    | 108    | 73     | 136    |
| Cod.....do.....                                                        | 3,181   | 1,021   | 890     | 647     | 589     | 401    | 357    | 109    | 94     | 58     | 69     | 43     |
| Other.....do.....                                                      | 5,575   | 3,086   | 1,865   | 990     | 1,043   | 842    | 432    | 206    | 103    | 47     | 66     | 72     |
| Fish, pickled—                                                         |         |         |         |         |         |        |        |        |        |        |        |        |
| Salmon.....barrels of 200 lbs.....                                     | 10,014  | 4,718   | 9,666   | 9,709   | 7,754   | 7,247  | 517    | 198    | 281    | 268    | 296    | 249    |
| Other.....do.....                                                      | 6,478   | 13,738  | 6,424   | 5,440   | 2,740   | 6,171  | 89     | 85     | 57     | 43     | 30     | 68     |
| Fish, canned—                                                          |         |         |         |         |         |        |        |        |        |        |        |        |
| Salmon.....1,000 lbs.....                                              | 40,193  | 24,222  | 32,610  | 26,539  | 49,066  | 45,312 | 7,003  | 4,040  | 3,585  | 3,290  | 6,676  | 6,918  |
| Sardines.....do.....                                                   | 91,625  | 53,247  | 26,645  | 25,641  | 33,146  | 45,454 | 7,205  | 3,446  | 1,542  | 1,387  | 1,937  | 2,724  |
| Mackerel.....do.....                                                   | 2,596   | 1,650   | 1,409   | 1,969   | 4,704   | 2,258  | 191    | 111    | 79     | 93     | 219    | 113    |
| Shellfish.....do.....                                                  | 4,135   | 3,126   | 2,234   | 3,482   | 4,010   | 4,518  | 857    | 565    | 321    | 513    | 652    | 712    |
| Other canned fish.....do.....                                          | 4,834   | 783     | 469     | 320     | 1,278   | 1,043  | 534    | 119    | 67     | 47     | 185    | 157    |
| Other fish products.....do.....                                        | 2,917   | 1,373   | 222     | 316     | 255     | 240    | 192    | 137    | 52     | 63     | 78     | 92     |
| F. Other edible animal products.....                                   |         |         |         |         |         |        | 6,772  | 2,158  | 725    | 646    | 789    | 829    |
| Eggs, in the shell.....1,000 doz.....                                  | 21,237  | 7,684   | 2,319   | 1,866   | 1,928   | 1,812  | 6,139  | 1,742  | 504    | 384    | 465    | 538    |
| Eggs and yolks, frozen, dried, canned, 1,000 lbs.....                  | 443     | 255     | 44      | 49      | 79      | 99     | 78     | 36     | 7      | 7      | 13     | 16     |
| Meat extracts and bouillon cubes.....do.....                           | 177     | 106     | 56      | 81      | 161     | 120    | 370    | 240    | 113    | 142    | 172    | 172    |
| Gelatin.....do.....                                                    | 273     | 227     | 182     | 193     | 229     | 194    | 187    | 140    | 101    | 113    | 138    | 102    |

<sup>1</sup> Sheep only prior to 1933.<sup>2</sup> 1930 only.

| Group and article                                                            | Quantity  |         |         |         |         |         | Value in thousands of dollars |         |         |         |         |         |
|------------------------------------------------------------------------------|-----------|---------|---------|---------|---------|---------|-------------------------------|---------|---------|---------|---------|---------|
|                                                                              | 1926-1930 | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931    | 1932    | 1933    | 1934    | 1935    |
| <b>GROUP 0.—ANIMALS AND ANIMAL PRODUCTS,<br/>INEDIBLE</b>                    |           |         |         |         |         |         |                               |         |         |         |         |         |
| <b>Total</b>                                                                 |           |         |         |         |         |         | 119, 117                      | 61, 836 | 38, 255 | 38, 883 | 50, 772 | 47, 263 |
| <b>A. Hides and skins, raw, except furs</b> .....1,000 lbs.                  | 51, 846   | 35, 592 | 43, 405 | 27, 497 | 52, 078 | 42, 310 | 9, 022                        | 3, 068  | 2, 240  | 2, 049  | 4, 304  | 4, 151  |
| Cattle hides.....do.                                                         | 31, 028   | 22, 426 | 26, 608 | 17, 209 | 35, 273 | 22, 639 | 4, 695                        | 1, 685  | 1, 229  | 1, 028  | 2, 490  | 2, 003  |
| Calf and kip skins.....do.                                                   | 10, 319   | 4, 694  | 6, 656  | 5, 075  | 10, 874 | 10, 920 | 2, 361                        | 611     | 491     | 506     | 1, 204  | 1, 311  |
| Sheep and goat skins.....do.                                                 | 1, 925    | 1, 909  | 2, 345  | 1, 703  | 1, 807  | 2, 397  | 561                           | 235     | 187     | 192     | 221     | 338     |
| Other hides and skins (including flesh and<br>pickled splits).....1,000 lbs. | 8, 374    | 6, 503  | 6, 795  | 3, 510  | 4, 124  | 6, 353  | 1, 406                        | 537     | 363     | 323     | 389     | 500     |
| <b>B. Leather</b>                                                            |           |         |         |         |         |         | 47, 481                       | 25, 612 | 13, 150 | 13, 779 | 15, 807 | 17, 253 |
| Upper leather (except patent)—                                               |           |         |         |         |         |         |                               |         |         |         |         |         |
| Cattle, side upper—                                                          |           |         |         |         |         |         |                               |         |         |         |         |         |
| Grain.....1,000 sq. ft.                                                      | 12, 682   | 6, 857  | 4, 972  | 6, 073  | 7, 366  | 9, 412  | 3, 476                        | 1, 293  | 761     | 1, 012  | 1, 388  | 1, 586  |
| Black.....do.                                                                | 2, 504    | 1, 980  | 1, 170  | 1, 324  | 2, 079  | 3, 133  | 654                           | 229     | 150     | 194     | 328     | 440     |
| Other.....do.                                                                | 10, 188   | 6, 477  | 3, 802  | 4, 749  | 5, 287  | 6, 259  | 2, 821                        | 1, 064  | 611     | 819     | 1, 060  | 1, 147  |
| Finished splits.....do.                                                      | 3, 912    | 2, 355  | 2, 200  | 1, 340  | 2, 033  | 1, 989  | 623                           | 234     | 160     | 105     | 227     | 224     |
| Wax and rough splits.....1,000 lbs.                                          | 2, 911    | 1, 370  | 454     | 344     | 365     | 462     | 1, 278                        | 453     | 117     | 111     | 120     | 137     |
| Calf and kip.....1,000 sq. ft.                                               | 25, 593   | 9, 399  | 6, 235  | 6, 827  | 8, 983  | 10, 567 | 8, 794                        | 2, 409  | 1, 107  | 1, 293  | 1, 990  | 2, 133  |
| Black grain.....do.                                                          | 5, 192    | 2, 209  | 1, 871  | 2, 441  | 3, 657  | 4, 709  | 1, 831                        | 539     | 315     | 458     | 783     | 944     |
| Other grain.....do.                                                          | 20, 400   | 6, 708  | 3, 989  | 4, 387  | 5, 326  | 5, 798  | 6, 962                        | 1, 738  | 710     | 835     | 1, 207  | 1, 239  |
| Suede.....do.                                                                |           | 487     | 876     |         |         |         |                               | 132     | 82      |         |         |         |
| Sheep and lamb.....do.                                                       | 7, 769    | 3, 494  | 4, 107  | 3, 997  | 5, 206  | 5, 087  | 1, 005                        | 682     | 282     | 225     | 451     | 453     |
| Goat and kid upper leather (including<br>glazed kid).....1,000 sq. ft.       | 46, 984   | 35, 068 | 22, 486 | 20, 467 | 21, 058 | 26, 364 | 13, 787                       | 8, 733  | 4, 362  | 4, 341  | 4, 913  | 6, 120  |
| Black.....do.                                                                | 20, 243   | 16, 448 | 9, 278  | 9, 836  | 9, 934  | 11, 071 | 5, 697                        | 3, 990  | 1, 730  | 2, 127  | 2, 346  | 2, 620  |
| Other.....do.                                                                | 26, 741   | 18, 620 | 13, 188 | 10, 631 | 11, 123 | 15, 793 | 8, 090                        | 4, 733  | 2, 632  | 2, 214  | 2, 568  | 3, 500  |
| Horse and colt.....do.                                                       | 622       | 262     | 291     | 241     | 405     | 313     | 160                           | 59      | 65      | 64      | 92      | 84      |
| Other upper leather.....do.                                                  | 2, 171    | 1, 849  | 1, 164  | 763     | 751     | 989     | 627                           | 314     | 212     | 156     | 163     | 212     |
| Patent upper leather—                                                        |           |         |         |         |         |         |                               |         |         |         |         |         |
| Patent side upper leather.....do.                                            | 27, 243   | 34, 391 | 27, 235 | 27, 325 | 19, 492 | 20, 636 | 8, 600                        | 6, 720  | 4, 140  | 4, 274  | 3, 249  | 3, 264  |
| Goat and kid.....do.                                                         | 2, 468    | 1, 249  | 222     | 406     | 176     | 379     | 1, 118                        | 456     | 72      | 127     | 62      | 119     |
| Horse and colt.....do.                                                       | 918       | 354     | 139     | 24      | 13      |         | 353                           | 97      | 28      | 6       | 4       | 20      |
| Other.....do.                                                                | 1, 007    | 373     | 815     | 111     | 144     | 110     | 321                           | 70      | 55      | 18      | 27      |         |
| Sole leather.....1,000 lbs.                                                  | 10, 276   | 8, 723  | 2, 139  | 1, 688  | 3, 743  | 3, 865  | 3, 041                        | 1, 536  | 341     | 310     | 655     | 631     |
| Bonds, backs, sides.....do.                                                  | 3, 687    | 2, 087  | 542     | 404     | 728     | 561     | 1, 550                        | 607     | 141     | 116     | 205     | 142     |
| Other (including offal).....do.                                              | 5, 722    | 5, 809  | 1, 439  | 929     | 2, 741  | 2, 883  | 1, 178                        | 668     | 149     | 100     | 363     | 342     |
| Out soles.....do.                                                            | 868       | 827     | 163     | 264     | 274     | 440     | 314                           | 291     | 51      | 93      | 87      | 146     |

|                                                                                                |        |        |        |        |        |        |        |        |        |        |        |        |  |  |  |
|------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| Glove leather—                                                                                 |        |        |        |        |        |        |        |        |        |        |        |        |  |  |  |
| Sheep and lamb.....1,000 sq. ft.                                                               | 1,022  | 432    | 100    | 87     | 226    | 452    | 165    | 52     | 12     | 12     | 29     | 61     |  |  |  |
| Other glove leather.....do                                                                     | 5,090  | 2,654  | 1,843  | 1,802  | 2,458  | 2,544  | 936    | 645    | 507    | 527    | 731    | 653    |  |  |  |
| Other leather—                                                                                 |        |        |        |        |        |        |        |        |        |        |        |        |  |  |  |
| Harness, collar, and saddle.....1,000 lbs.                                                     | 104    | 48     | 25     | 18     | 41     | 125    | 53     | 19     | 9      | 9      | 16     | 39     |  |  |  |
| Upholstery and automobile.....1,000 sq. ft.                                                    | 2,635  | 1,085  | 512    | 742    | 1,639  | 2,315  | 488    | 188    | 75     | 97     | 251    | 333    |  |  |  |
| Fancy leather.....do                                                                           | 695    | 473    | 206    | 232    | 855    | 672    | 182    | 126    | 35     | 65     | 269    | 183    |  |  |  |
| Case, bag, and strap.....do                                                                    | 488    | 341    | 211    | 151    | 300    | 188    | 147    | 80     | 45     | 35     | 88     | 50     |  |  |  |
| Reptilian leather.....1,000 lbs.                                                               | 201    | 208    | 144    | 167    | 138    | 42     | 1,005  | 748    | 426    | 624    | 553    | 141    |  |  |  |
| Other leather and tanned skins.....do                                                          | 8,704  | 5,288  | 3,850  | 3,253  | 4,216  |        | 2,135  | 701    | 381    | 376    | 527    | 710    |  |  |  |
| <b>C. Leather manufactures</b>                                                                 |        |        |        |        |        |        | 16,935 | 7,012  | 3,181  | 2,962  | 3,858  | 4,576  |  |  |  |
| Leather footwear—                                                                              |        |        |        |        |        |        |        |        |        |        |        |        |  |  |  |
| Boots and shoes.....1,000 pairs                                                                | 4,689  | 1,780  | 847    | 746    | 861    | 912    | 10,999 | 3,934  | 1,552  | 1,318  | 1,772  | 1,982  |  |  |  |
| Men's and boys'.....do                                                                         | 1,989  | 568    | 288    | 248    | 301    | 324    | 5,810  | 1,483  | 688    | 511    | 720    | 765    |  |  |  |
| Women's.....do                                                                                 | 1,805  | 978    | 427    | 384    | 442    | 470    | 4,332  | 2,169  | 798    | 707    | 939    | 1,112  |  |  |  |
| Children's.....do                                                                              | 795    | 234    | 132    | 114    | 117    | 118    | 857    | 242    | 116    | 100    | 113    | 115    |  |  |  |
| Slippers.....do                                                                                | 375    | 501    | 231    | 71     | 121    | 146    | 387    | 354    | 130    | 48     | 95     | 101    |  |  |  |
| Athletic shoes, sandals, overgaiters, leggings,<br>puttees, and other footwear.....1,000 pairs | 66     | 40     | 22     | 18     | 20     | 20     | 106    | 64     | 28     | 20     | 80     | 81     |  |  |  |
| Leather gloves.....doz. prs.                                                                   | 17,009 | 15,300 | 14,084 | 20,628 | 5,004  | 5,478  | 160    | 125    | 41     | 56     | 40     | 45     |  |  |  |
| Harness and saddles.....number                                                                 | 53,294 | 8,577  | 6,183  | 6,357  | 15,433 | 13,168 | 308    | 61     | 31     | 39     | 39     | 35     |  |  |  |
| Traveling bags and suitcases.....do                                                            |        |        |        |        |        |        | 185    | 52     | 25     | 30     | 57     | 61     |  |  |  |
| Pocketbooks, handbags, cigarette, key, pass,<br>and similar leather cases.....1,000 pieces     | 470    | 184    | 247    | 495    | 986    | 1,199  | 450    | 171    | 105    | 205    | 451    | 615    |  |  |  |
| Leather belting, new.....1,000 lbs.                                                            | 1,204  | 581    | 408    | 514    | 600    | 690    | 1,854  | 824    | 512    | 630    | 729    | 835    |  |  |  |
| Leather welting.....do                                                                         |        |        |        |        |        |        | 2,487  | 1,427  | 757    | 116    | 114    | 195    |  |  |  |
| Other leather manufactures.....do                                                              |        |        |        |        |        |        |        |        |        | 501    | 631    | 685    |  |  |  |
| <b>D. Furs and manufactures</b>                                                                |        |        |        |        |        |        | 31,347 | 19,322 | 13,473 | 15,268 | 21,117 | 16,792 |  |  |  |
| Undressed.....1,000 pieces                                                                     | 16,835 | 19,561 | 16,981 | 18,358 | 17,511 | 12,652 | 25,819 | 14,882 | 11,176 | 13,495 | 18,628 | 14,013 |  |  |  |
| Fox.....do                                                                                     | 107    | 79     | 98     | 187    | 148    | 191    | 2,044  | 1,311  | 1,026  | 2,698  | 2,618  | 2,132  |  |  |  |
| Muskrat.....do                                                                                 | 4,117  | 7,033  | 5,880  | 7,910  | 6,910  | 3,433  | 4,150  | 3,249  | 2,759  | 3,042  | 4,995  | 2,602  |  |  |  |
| Raccoon.....do                                                                                 | 57     | 49     | 13     | 35     | 65     | 81     | 363    | 213    | 44     | 109    | 269    | 322    |  |  |  |
| Skunk and civet cat.....do                                                                     | 2,627  | 1,915  | 2,071  | 1,894  | 2,037  | 2,474  | 5,570  | 2,625  | 2,280  | 1,739  | 2,398  | 2,578  |  |  |  |
| Opossum.....do                                                                                 | 5,194  | 5,033  | 5,254  | 5,581  | 6,038  | 4,160  | 6,038  | 3,108  | 2,936  | 2,936  | 4,431  | 2,698  |  |  |  |
| Other undressed furs.....do                                                                    | 4,733  | 5,452  | 2,665  | 2,751  | 2,312  | 2,322  | 7,654  | 4,376  | 2,081  | 2,972  | 3,918  | 3,711  |  |  |  |
| Dressed on the skin—                                                                           |        |        |        |        |        |        |        |        |        |        |        |        |  |  |  |
| Fox.....do                                                                                     | 27     | 12     | 4      | 3      | 6      | 8      | 576    | 200    | 44     | 58     | 177    | 173    |  |  |  |
| Muskrat.....do                                                                                 | 59     | 219    | 37     | 29     | 27     | 19     | 63     | 77     | 14     | 12     | 19     | 12     |  |  |  |
| Opossum.....do                                                                                 | 97     | 64     | 38     | 2      | 2      | 5      | 134    | 38     | 22     | 2      | 5      | 2      |  |  |  |
| Fur-seal.....do                                                                                |        |        |        | 5      | 2      | 11     |        |        |        | 47     | 42     | 105    |  |  |  |
| Other dressed furs.....do                                                                      | 1,848  | 1,333  | 828    | 715    | 1,401  | 923    | 2,871  | 1,608  | 863    | 624    | 1,138  | 991    |  |  |  |
| Fur wearing apparel (except fur felt hats)<br>.....number                                      | 5,302  | 5,335  | 1,857  | 1,531  | 1,849  | 1,871  | 194    | 133    | 35     | 34     | 37     | 42     |  |  |  |
| Fur waste, pieces, and damaged skins.....1,000 lbs.                                            | 1,448  | 1,711  |        |        |        |        | 1,345  | 2,065  | 1,100  | 897    | 921    | 1,030  |  |  |  |
| Other fur manufactures.....do                                                                  |        |        |        |        |        |        | 344    | 329    | 222    | 97     | 152    | 205    |  |  |  |
| <b>E. Animal oils and greases, inedible</b> .....1,000 lbs.                                    | 78,336 | 84,539 | 64,208 | 81,806 | 68,628 | 24,966 | 8,905  | 3,895  | 2,258  | 3,034  | 2,828  | 1,855  |  |  |  |
| Neat's-foot oil.....do                                                                         | 1,295  | 1,022  | 803    | 1,079  | 1,151  | 887    | 217    | 142    | 92     | 126    | 136    | 121    |  |  |  |
| Other inedible animal oils.....do                                                              | 916    | 1,144  | 1,928  | 1,833  | 1,267  | 4,047  | 94     | 74     | 105    | 101    | 90     | 180    |  |  |  |

| Group and article                                           | Quantity  |         |         |         |        |         | Value in thousands of dollars |         |         |         |         |         |
|-------------------------------------------------------------|-----------|---------|---------|---------|--------|---------|-------------------------------|---------|---------|---------|---------|---------|
|                                                             | 1926-1930 | 1931    | 1932    | 1933    | 1934   | 1935    | 1926-1930                     | 1931    | 1932    | 1933    | 1934    | 1935    |
| <b>GROUP 0.—ANIMALS, ETC., INEDIBLE—Contd.</b>              |           |         |         |         |        |         |                               |         |         |         |         |         |
| <b>E. Animal oils and greases, inedible—Continued.</b>      |           |         |         |         |        |         |                               |         |         |         |         |         |
| Fish oils.....1,000 lbs.....                                | 1,049     | 1,792   | 1,722   | 5,849   | 6,364  | 3,276   | 134                           | 149     | 125     | 163     | 194     | 270     |
| Grease stearin.....do.....                                  | 2,438     | 3,850   | 1,428   | 942     | 623    | 1,092   | 233                           | 228     | 74      | 50      | 34      | 63      |
| Oleic acid, or red oil.....do.....                          | 2,931     | 1,068   | 876     | 1,587   | 2,837  | 513     | 263                           | 68      | 37      | 80      | 172     | 35      |
| Stearic acid.....do.....                                    | 1,491     | 367     | 511     | 462     | 676    | 419     | 176                           | 35      | 42      | 38      | 61      | 45      |
| Other animal greases, and fats.....do.....                  | 68,215    | 75,236  | 56,940  | 70,054  | 55,708 | 14,731  | 5,378                         | 3,199   | 1,733   | 2,476   | 2,141   | 972     |
| <b>F. Other inedible animals and animal products.....</b>   |           |         |         |         |        |         |                               |         |         |         |         |         |
| Animals.....                                                |           |         |         |         |        |         | 7,336                         | 2,925   | 1,954   | 1,792   | 2,759   | 2,806   |
| Horses for breeding.....number.....                         | 569       | 117     | 107     | 141     | 116    | 203     | 3,770                         | 1,031   | 546     | 647     | 1,290   | 1,539   |
| Other horses.....do.....                                    | 10,746    | 2,944   | 2,068   | 486     | 1,675  | 3,595   | 248                           | 113     | 44      | 65      | 50      | 102     |
| Mules, asses, burros.....do.....                            | 16,994    | 3,667   | 1,408   | 2,652   | 3,701  | 2,503   | 516                           | 324     | 165     | 90      | 326     | 618     |
| Fur animals.....do.....                                     | 9,484     | 5,295   | 658     | 343     | 1,173  | 220     | 1,908                         | 358     | 167     | 329     | 589     | 535     |
| Other live animals.....do.....                              |           |         |         |         |        |         | 634                           | 57      | 19      | 17      | 6       | 3       |
| Feathers, crude, not dressed.....1,000 lbs.....             | 7,353     | 7,642   | 6,067   | 6,176   | 7,483  | 6,588   | 671                           | 179     | 151     | 146     | 320     | 281     |
| Feathers, dressed, and manufactures of.....do.....          |           |         |         |         |        |         | 698                           | 472     | 306     | 221     | 400     | 266     |
| Glue of animal origin.....1,000 lbs.....                    | 2,449     | 1,233   | 940     | 760     | 896    | 986     | 177                           | 121     | 54      | 56      | 66      | 65      |
| Sponges.....do.....                                         | 110       | 68      | 62      | 72      | 83     | 78      | 421                           | 248     | 151     | 139     | 153     | 164     |
| Other animal products, inedible.....do.....                 |           |         |         |         |        |         | 159                           | 85      | 67      | 63      | 93      | 89      |
|                                                             |           |         |         |         |        |         | 2,110                         | 968     | 830     | 664     | 757     | 683     |
| <b>GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES</b>       |           |         |         |         |        |         |                               |         |         |         |         |         |
| Total.....                                                  |           |         |         |         |        |         | 520,457                       | 257,004 | 173,063 | 137,585 | 144,329 | 155,239 |
| <b>A. Grains and preparations.....</b>                      |           |         |         |         |        |         |                               |         |         |         |         |         |
| Barley.....                                                 |           |         |         |         |        |         | 318,570                       | 106,045 | 66,917  | 31,540  | 39,406  | 28,922  |
| Grain.....1,000 bus. of 48 lbs.....                         | 28,527    | 7,851   | 7,043   | 7,142   | 5,447  | 7,507   | 24,383                        | 5,390   | 2,869   | 3,379   | 3,404   | 4,374   |
| Malt.....1,000 bus. of 34 lbs.....                          | 2,982     | 892     | 239     | 290     | 173    | 28      | 3,074                         | 563     | 213     | 212     | 203     | 41      |
| Buckwheat.....1,000 bus. of 48 lbs.....                     | 186       | 341     | 300     | 5       | 58     | 34      | 195                           | 228     | 165     | 3       | 40      | 22      |
| Corn.....                                                   |           |         |         |         |        |         |                               |         |         |         |         |         |
| Grain.....1,000 bus. of 56 lbs.....                         | 20,481    | 2,700   | 7,836   | 5,365   | 2,987  | 177     | 19,537                        | 1,860   | 2,315   | 2,653   | 2,269   | 266     |
| Meal.....1,000 bbls. of 196 lbs.....                        | 330       | 178     | 150     | 142     | 131    | 101     | 1,611                         | 677     | 398     | 392     | 498     | 478     |
| Hominy and corn grits.....1,000 lbs.....                    | 17,078    | 9,422   | 11,895  | 10,650  | 9,822  | 9,036   | 353                           | 156     | 141     | 138     | 173     | 214     |
| Corn breakfast foods ready to eat.....do.....               | 7,279     | 2,329   | 1,207   | 1,267   | 1,600  | 1,949   | 559                           | 218     | 123     | 147     | 208     | 260     |
| Oats.....                                                   |           |         |         |         |        |         |                               |         |         |         |         |         |
| Grain.....1,000 bus. of 32 lbs.....                         | 8,032     | 2,121   | 3,486   | 1,476   | 141    | 568     | 4,066                         | 532     | 762     | 395     | 82      | 251     |
| Oatmeal, flaked and rolled oats.....do.....                 |           |         |         |         |        |         |                               |         |         |         |         |         |
| In bulk (sacks or bags).....1,000 lbs.....                  | 82,298    | 24,936  | 10,629  | 3,530   | 1,305  | 1,062   | 4,277                         | 495     | 191     | 74      | 42      | 38      |
| In packages (cases or cartons).....do.....                  |           | 19,752  | 13,536  | 15,427  | 13,738 | 11,576  |                               | 1,813   | 1,093   | 1,193   | 1,126   | 1,089   |
| Rice.....                                                   |           |         |         |         |        |         |                               |         |         |         |         |         |
| Paddy or rough rice.....do.....                             | 226,777   | 208,681 | 196,735 | 13,160  | 9,552  | 4,926   | 8,962                         | 6,477   | 4,341   | 144     | 178     | 83      |
| Milled rice, including brown.....do.....                    |           |         |         | 107,064 | 76,956 | 161,307 |                               |         |         | 2,864   | 2,625   | 4,936   |
| Screenings, flour, meal, and broken rice.....1,000 lbs..... | 63,430    | 85,491  | 60,457  | 11,520  | 121    | 495     | 1,791                         | 873     | 637     | 108     | 5       | 15      |



| Group and article                                  | Quantity  |         |         |         |         |         | Value in thousands of dollars |         |        |        |        |        |
|----------------------------------------------------|-----------|---------|---------|---------|---------|---------|-------------------------------|---------|--------|--------|--------|--------|
|                                                    | 1926-1930 | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931    | 1932   | 1933   | 1934   | 1935   |
| <b>GROUP 1.—VEGETABLE FOOD PRODUCTS, ETC.—CON.</b> |           |         |         |         |         |         |                               |         |        |        |        |        |
| <b>O. Vegetables and preparations—Continued.</b>   |           |         |         |         |         |         |                               |         |        |        |        |        |
| Pickles.....1,000 lbs.                             | 3,361     | 1,685   | 1,157   | 1,069   | 1,375   | 1,766   | 309                           | 199     | 115    | 111    | 153    | 200    |
| Ketchup and other tomato sauces.....do             | 8,898     | 4,955   | 2,618   | 2,508   | 2,932   | 3,472   | 1,209                         | 499     | 232    | 205    | 290    | 304    |
| Other sauces and relishes.....do                   | 3,152     | 1,967   | 1,477   | 1,368   | 1,736   | 2,054   | 670                           | 398     | 245    | 231    | 326    | 367    |
| Vinegar.....1,000 gals.                            | 279       | 345     | 214     | 199     | 270     | 169     | 151                           | 160     | 66     | 62     | 80     | 64     |
| Yeast.....1,000 lbs.                               | 3,538     | 3,094   | 2,889   | 2,790   | 3,201   | 3,445   | 664                           | 560     | 498    | 487    | 541    | 577    |
| Other vegetable preparations.....do                |           |         |         |         |         |         | 367                           | 253     | 139    | 162    | 190    | 210    |
| <b>D. Fruits and nuts</b>                          |           |         |         |         |         |         | 122,234                       | 109,329 | 77,380 | 69,657 | 74,210 | 93,475 |
| <b>Fruits and preparations</b>                     |           |         |         |         |         |         | 120,781                       | 108,191 | 76,532 | 67,643 | 72,117 | 91,634 |
| <b>Subtropical fruits—</b>                         |           |         |         |         |         |         |                               |         |        |        |        |        |
| Grapefruit.....1,000 boxes                         | 744       | 1,341   | 1,022   | 988     | 959     | 991     | 3,060                         | 3,961   | 2,396  | 2,181  | 2,177  | 2,143  |
| Lemons.....do                                      | 265       | 258     | 218     | 168     | 227     | 546     | 1,842                         | 1,107   | 819    | 628    | 897    | 1,871  |
| Oranges.....do                                     | 3,336     | 4,849   | 3,129   | 3,399   | 3,318   | 5,468   | 14,135                        | 13,255  | 7,112  | 6,665  | 2,227  | 13,622 |
| Pineapples.....boxes                               | 50,862    | 53,043  | 28,125  | 15,230  | 26,760  | 22,300  | 162                           | 155     | 61     | 38     | 72     | 66     |
| <b>Other fresh fruits—</b>                         |           |         |         |         |         |         |                               |         |        |        |        |        |
| Apples in boxes.....1,000 boxes                    | 8,102     | 9,966   | 10,220  | 7,224   | 7,355   | 6,973   | 17,418                        | 17,608  | 13,102 | 8,318  | 10,187 | 9,999  |
| Apples in baskets.....1,000 baskets                |           |         | 310     | 286     | 417     | 948     |                               |         | 499    | 414    | 698    | 1,926  |
| Apples in barrels.....1,000 bbls                   | 2,602     | 2,806   | 2,130   | 1,173   | 766     | 1,282   | 12,408                        | 11,552  | 8,818  | 4,365  | 3,116  | 5,352  |
| Berries.....1,000 lbs                              | 11,226    | 7,089   | 6,164   | 7,200   | 7,399   | 6,924   | 1,163                         | 742     | 438    | 411    | 567    | 589    |
| Grapes.....do                                      | 55,082    | 23,876  | 23,837  | 27,226  | 35,136  | 37,680  | 2,121                         | 1,461   | 1,060  | 979    | 1,541  | 1,604  |
| Pears.....do                                       | 77,493    | 103,416 | 112,607 | 105,210 | 107,145 | 122,765 | 4,515                         | 4,510   | 3,994  | 3,696  | 4,082  | 4,814  |
| Peaches.....do                                     | 17,411    | 10,897  | 3,603   | 2,782   | 5,146   | 9,898   | 666                           | 339     | 106    | 95     | 170    | 301    |
| Melons.....do                                      |           |         |         |         |         | 22,295  |                               |         |        |        |        | 286    |
| Other fresh fruits.....do                          |           |         |         |         |         |         | 1,909                         | 1,559   | 701    | 622    | 978    | 897    |
| <b>Dried and evaporated fruits.....1,000 lbs.</b>  | 459,829   | 502,942 | 420,340 | 396,790 | 337,793 | 403,930 | 33,279                        | 28,934  | 19,502 | 21,762 | 21,691 | 23,900 |
| Dried fruits for salads.....do                     | 10,044    | 16,720  | 14,521  | 12,873  | 10,807  | 15,741  | 722                           | 995     | 677    | 725    | 787    | 938    |
| Pears.....do                                       | 5,594     | 7,444   | 5,870   | 6,960   | 6,468   | 7,322   | 586                           | 575     | 332    | 477    | 494    | 571    |
| Raisins.....do                                     | 163,551   | 135,754 | 115,454 | 91,214  | 92,248  | 109,620 | 10,170                        | 7,925   | 5,665  | 3,923  | 4,647  | 5,247  |
| Apples.....do                                      | 31,781    | 36,361  | 31,629  | 39,969  | 24,736  | 34,719  | 3,663                         | 3,144   | 2,008  | 3,047  | 2,279  | 2,943  |
| Apricots.....do                                    | 20,880    | 36,547  | 33,138  | 35,836  | 19,090  | 27,651  | 3,345                         | 3,840   | 2,449  | 3,381  | 2,722  | 3,908  |
| Peaches.....do                                     | 7,217     | 9,392   | 7,331   | 7,254   | 6,832   | 6,077   | 766                           | 762     | 429    | 492    | 586    | 522    |
| Prunes.....do                                      | 217,523   | 257,800 | 210,204 | 193,089 | 171,251 | 197,723 | 13,575                        | 11,521  | 7,783  | 9,352  | 9,809  | 9,411  |
| Other.....do                                       | 14,747    | 2,915   | 2,193   | 9,596   | 6,421   | 5,172   | 1,480                         | 172     | 106    | 360    | 366    | 380    |
| <b>Canned fruits.....do</b>                        | 267,510   | 282,219 | 284,266 | 286,251 | 236,881 | 323,481 | 25,654                        | 22,423  | 17,595 | 17,132 | 17,304 | 23,818 |
| Grapefruit.....do                                  |           | 8,295   | 6,919   | 23,207  | 28,161  | 31,030  |                               | 623     |        | 1,230  |        | 1,799  |
| Berries.....do                                     | 9,810     | 7,768   | 5,361   | 5,446   | 4,819   | 5,744   | 1,054                         | 789     | 382    | 377    | 388    | 444    |
| Apples and apple sauce.....do                      | 17,651    | 13,694  | 19,560  | 12,342  | 10,677  | 19,998  | 866                           | 846     | 779    | 476    | 677    | 847    |
| Apricots.....do                                    | 28,086    | 22,636  | 24,315  | 22,943  | 12,691  | 23,169  | 2,682                         | 1,711   | 1,513  | 1,387  | 1,778  | 1,778  |
| Cherries.....do                                    | 1,880     | 855     | 597     | 805     | 1,413   | 1,438   | 304                           | 117     | 66     | 92     | 183    | 169    |
| Prunes.....do                                      | 2,644     | 1,219   | 1,057   | 828     | 1,347   | 839     | 105                           | 85      | 73     | 83     | 97     | 97     |
| Peaches.....do                                     | 80,501    | 76,891  | 82,997  | 73,983  | 59,461  | 83,902  | 7,040                         | 5,467   | 4,323  | 4,166  | 3,923  | 5,823  |
| Pears.....do                                       | 60,872    | 86,279  | 72,337  | 70,749  | 63,710  | 88,423  | 6,195                         | 6,214   | 4,726  | 4,369  | 4,391  | 6,282  |

|                                                                                       |               |               |               |               |               |               |               |              |              |              |              |              |
|---------------------------------------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|
| Pineapples.....do.....                                                                | 43,090        | 24,473        | 17,389        | 20,424        | 20,386        | 21,982        | 4,049         | 2,053        | 1,240        | 1,567        | 1,632        | 1,786        |
| Fruits for salad.....do.....                                                          | 31,108        | 33,811        | 32,173        | 33,628        | 33,787        | 41,804        | 4,620         | 4,248        | 3,367        | 3,243        | 3,471        | 4,468        |
| Other canned fruits.....do.....                                                       | 12,494        | 2,438         | 1,633         | 1,891         | 2,938         | 3,769         | 1,391         | 238          | 133          | 162          | 242          | 334          |
| Preserved fruits, jellies, and jams.....do.....                                       | 2,064         | 808           | 531           | 567           | 764           | 999           | 390           | 157          | 91           | 90           | 114          | 149          |
| Other fruit preparations.....do.....                                                  | 23,061        | 5,760         | 4,135         | 500           | 1,378         | 1,253         | 2,659         | 428          | 310          | 247          | 296          | 294          |
| <b>Nuts.....do.....</b>                                                               | <b>10,494</b> | <b>13,077</b> | <b>13,297</b> | <b>23,423</b> | <b>17,907</b> | <b>17,790</b> | <b>1,453</b>  | <b>1,138</b> | <b>738</b>   | <b>2,014</b> | <b>2,092</b> | <b>1,841</b> |
| Peanuts.....do.....                                                                   | 4,464         | 1,842         | 7,107         | 1,426         | 616           | 226           | 383           | 139          | 202          | 66           | 44           | 27           |
| Pecans.....do.....                                                                    |               |               |               |               |               | 363           |               |              |              |              |              | 114          |
| Walnuts.....do.....                                                                   |               |               |               |               |               | 11,762        | 1,069         | 999          | 584          | 1,948        | 2,049        | 1,193        |
| Other nuts.....do.....                                                                | 6,031         | 10,235        | 6,190         | 20,997        | 17,292        | 5,439         |               |              |              |              |              | 508          |
| <b>E. Vegetable oils and fats, edible.....do.....</b>                                 | <b>33,938</b> | <b>31,241</b> | <b>22,450</b> | <b>18,183</b> | <b>18,161</b> | <b>18,475</b> | <b>4,297</b>  | <b>2,654</b> | <b>1,463</b> | <b>1,308</b> | <b>1,567</b> | <b>1,765</b> |
| Coconut oil, edible.....do.....                                                       |               | 2,781         | 1,977         | 819           | 1,248         | 1,080         |               | 209          | 107          | 50           | 74           | 82           |
| Cottonseed oil, refined.....do.....                                                   | 11,876        | 12,945        | 10,913        | 9,292         | 6,187         | 3,655         | 1,313         | 1,162        | 650          | 581          | 444          | 438          |
| Soybean oil.....do.....                                                               | 5,416         | 4,551         | 2,647         | 1,569         | 2,040         | 4,111         | 562           | 410          | 123          | 97           | 132          | 268          |
| Corn oil.....do.....                                                                  | 580           | 776           | 960           | 1,026         | 1,314         | 833           | 81            | 102          | 63           | 66           | 86           | 72           |
| Cocoa butter.....do.....                                                              | 846           | 457           | 355           | 2,120         | 4,348         | 4,990         | 265           | 80           | 101          | 243          | 528          | 642          |
| Cooking fats, other than lard.....do.....                                             | 12,349        | 5,994         | 3,498         | 2,602         | 2,181         | 1,219         | 1,643         | 704          | 301          | 226          | 222          | 173          |
| Other edible vegetable oils and fats.....do.....                                      | 7,588         | 3,837         | 1,600         | 736           | 845           | 687           | 7,642         | 287          | 118          | 64           | 81           | 90           |
| <b>F. Cocoa and coffee.....do.....</b>                                                | <b>19,091</b> | <b>11,061</b> | <b>7,766</b>  | <b>10,021</b> | <b>12,503</b> | <b>11,834</b> | <b>5,527</b>  | <b>2,655</b> | <b>1,704</b> | <b>1,947</b> | <b>2,516</b> | <b>2,250</b> |
| Cocoa, powdered.....do.....                                                           | 2,623         | 2,130         | 1,618         | 1,520         | 1,699         | 1,938         | 365           | 270          | 192          | 186          | 200          | 224          |
| Chocolate, including sweetened.....do.....                                            | 936           | 705           | 473           | 526           | 898           | 1,155         | 214           | 128          | 76           | 74           | 116          | 153          |
| Coffee, green.....do.....                                                             | 12,209        | 5,391         | 3,504         | 5,634         | 6,942         | 5,370         | 3,431         | 1,081        | 512          | 830          | 1,149        | 751          |
| Coffee, roasted.....do.....                                                           | 2,164         | 1,550         | 1,293         | 1,479         | 2,184         | 2,284         | 758           | 504          | 335          | 334          | 505          | 522          |
| Coffee extracts and substitutes.....do.....                                           | 1,169         | 1,015         | 875           | 863           | 880           | 1,037         | 709           | 672          | 589          | 623          | 648          | 600          |
| <b>G. Spices and food flavors.....do.....</b>                                         |               |               |               |               |               |               | <b>724</b>    | <b>396</b>   | <b>273</b>   | <b>269</b>   | <b>350</b>   | <b>390</b>   |
| Spices.....1,000 lbs.....                                                             | 1,850         | 1,203         | 883           | 858           | 1,181         | 1,276         | 261           | 152          | 114          | 121          | 173          | 183          |
| Flavoring extracts.....1,000 gals.....                                                |               | 32            | 20            | 18            | 23            | 30            | 463           | 244          | 169          | 149          | 177          | 207          |
| <b>H. Sugar and related products.....do.....</b>                                      |               |               |               |               |               |               | <b>18,052</b> | <b>7,423</b> | <b>4,468</b> | <b>4,785</b> | <b>7,557</b> | <b>8,618</b> |
| Sugar, refined.....1,000 lbs.....                                                     | 214,102       | 105,155       | 98,008        | 100,992       | 272,816       | 227,911       | 7,268         | 2,228        | 1,551        | 1,617        | 4,015        | 5,334        |
| Molasses.....1,000 gals.....                                                          | 7,950         | 6,919         | 640           | 3,193         | 6,731         | 8,103         | 722           | 371          | 81           | 172          | 282          | 299          |
| Confectionery.....do.....                                                             |               |               |               |               |               |               |               |              |              |              |              |              |
| Chocolate.....1,000 lbs.....                                                          | 1,993         | 1,152         | 905           | 895           | 1,302         | 1,503         | 582           | 294          | 208          | 205          | 278          | 326          |
| Other.....do.....                                                                     | 11,390        | 6,579         | 3,949         | 4,494         | 4,735         | 1,939         | 916           | 514          | 568          | 634          | 681          | 681          |
| Chewing gum.....do.....                                                               | 3,826         | 2,790         | 1,527         | 2,312         | 2,703         | 1,624         | 1,120         | 621          | 580          | 844          | 916          | 916          |
| Honey.....do.....                                                                     | 8,585         | 4,183         | 4,720         | 6,158         | 1,950         | 1,580         | 765           | 303          | 262          | 358          | 149          | 118          |
| Glucose (corn sirup).....do.....                                                      | 119,088       | 62,239        | 42,945        | 44,313        | 39,091        | 24,421        | 4,065         | 1,855        | 1,053        | 1,074        | 1,053        | 669          |
| Grape sugar (corn sugar).....do.....                                                  | 6,965         | 2,516         | 1,842         | 2,994         | 4,425         | 3,942         | 245           | 92           | 64           | 103          | 167          | 166          |
| Sirup, including maple.....1,000 gals.....                                            | 2,829         | 811           | 525           | 675           | 518           | 377           | 842           | 234          | 114          | 111          | 136          | 109          |
| <b>I. Beverages.....do.....</b>                                                       |               |               |               |               |               |               | <b>1,810</b>  | <b>1,215</b> | <b>801</b>   | <b>778</b>   | <b>1,218</b> | <b>1,694</b> |
| Malt extract and sirup.....1,000 lbs.....                                             | 3,488         | 2,220         | 968           | 813           | 908           | 844           | 390           | 259          | 111          | 64           | 81           | 72           |
| Distilled liquors.....1,000 pf. gals.....                                             | 191           | 31            | 14            | 8             | 8             | 36            | 87            | 16           | 7            | 3            | 18           | 81           |
| Mineral waters, natural and artificial.....1,000 gals.....                            | 201           | 108           | 70            | 62            | 66            | 77            | 179           | 95           | 60           | 52           | 52           | 80           |
| Fruit juices, sirups, and flavors for soda fountain <sup>1</sup> .....1,000 gals..... | 362           | 336           | 400           | 618           | 1,090         | 1,476         | 620           | 505          | 540          | 547          | 850          | 1,202        |
| Other beverages <sup>2</sup> .....do.....                                             | 487           | 261           | 75            | 116           | 323           | 364           | 706           | 338          | 83           | 107          | 214          | 280          |

<sup>1</sup> 1930 only.<sup>2</sup> Average for years 1929 and 1930.<sup>3</sup> Average for years 1927-30.<sup>4</sup> "Fruit juices" are included with "Other beverages" for 1926 to 1929.



| Group and article                                                 | Quantity  |        |        |        |        |        | Value in thousands of dollars |         |         |         |         |         |
|-------------------------------------------------------------------|-----------|--------|--------|--------|--------|--------|-------------------------------|---------|---------|---------|---------|---------|
|                                                                   | 1926-1930 | 1931   | 1932   | 1933   | 1934   | 1935   | 1926-1930                     | 1931    | 1932    | 1933    | 1934    | 1935    |
| GROUP 2.—VEGETABLE PRODUCTS, INEDIBLE, EXCEPT FIBERS AND WOOD     |           |        |        |        |        |        |                               |         |         |         |         |         |
| Total                                                             |           |        |        |        |        |        | 280,407                       | 186,357 | 114,520 | 135,629 | 183,890 | 195,607 |
| A. Rubber and manufactures                                        |           |        |        |        |        |        |                               |         |         |         |         |         |
| Rubber, reclaimed 1,000 lbs.                                      | 20,507    | 15,626 | 7,921  | 8,022  | 10,509 | 12,055 | 87,366                        | 36,711  | 16,384  | 17,820  | 21,761  | 23,147  |
| Rubber, scrap and old do.                                         | 43,150    | 53,258 | 49,112 | 48,900 | 51,498 | 57,600 | 1,598                         | 724     | 312     | 305     | 493     | 584     |
| Rubberized automobile cloth 1,000 sq. yds.                        | * 1,615   | 908    | 506    | 730    | 826    | 538    | 2,089                         | 1,129   | 781     | 751     | 1,078   | 1,159   |
| Other rubberized piece goods and hospital sheeting 1,000 sq. yds. | 1,687     | 1,229  | 665    | 618    | 778    | 1,104  | * 811                         | 394     | 206     | 302     | 416     | 263     |
| Rubber footwear—                                                  |           |        |        |        |        |        |                               |         |         |         |         |         |
| Boots 1,000 pairs                                                 | 1,126     | 720    | 112    | 72     | 56     | 86     | 2,495                         | 1,547   | 228     | 137     | 137     | 189     |
| Shoes do.                                                         | 2,283     | 875    | 216    | 160    | 219    | 162    | 2,418                         | 717     | 139     | 75      | 117     | 88      |
| Canvas shoes with rubber soles do.                                | 5,415     | 1,414  | 333    | 274    | 264    | 475    | 3,716                         | 888     | 174     | 134     | 167     | 229     |
| Rubber soles 1,000 doz. prs.                                      | * 1,473   | 88     | 23     | 20     | 35     | 30     | 1,496                         | 225     | 51      | 39      | 58      | 50      |
| Rubber heels do.                                                  |           | 767    | 329    | 370    | 385    | 451    |                               | 489     | 192     | 189     | 204     | 257     |
| Rubber soling and top lift sheets 1,000 lbs.                      |           |        |        |        |        | 307    |                               |         |         |         |         | 68      |
| Rubber water bottles and fountain syringes 1,000 pieces           | 383       | 394    | 220    | 198    | 222    | 224    | 239                           | 182     | 74      | 70      | 85      | 77      |
| Rubber gloves doz. pairs                                          | 96,610    | 90,278 | 55,191 | 66,178 | 59,121 | 62,309 | 277                           | 221     | 118     | 131     | 129     | 132     |
| Other druggists' rubber sundries                                  |           |        |        |        |        |        | 422                           | 332     | 273     | 295     | 358     | 332     |
| Rubber balloons 1,000 gross                                       | * 688     | 657    | 294    | 249    | 249    | 251    | 943                           | 594     | 245     | 218     | 220     | 218     |
| Rubber toys and balls                                             |           |        |        |        |        |        |                               | 109     | 43      | 44      | 66      | 96      |
| Bathing caps 1,000 dozens                                         | 162       | 115    | 45     | 71     | 93     | 53     | 356                           | 226     | 80      | 115     | 162     | 90      |
| Rubber bands 1,000 lbs.                                           | 925       | 508    | 280    | 261    | 255    | 220    | 597                           | 180     | 82      | 73      | 85      | 76      |
| Rubber erasers do.                                                |           | 401    | 262    | 337    | 332    | 359    |                               | 239     | 162     | 184     | 185     | 199     |
| Hard-rubber goods—                                                |           |        |        |        |        |        |                               |         |         |         |         |         |
| Electrical hard-rubber goods do.                                  | 1,388     | 1,325  | 1,024  | 1,025  | 1,291  | 1,785  | 271                           | 145     | 102     | 100     | 132     | 170     |
| Other hard-rubber goods                                           |           |        |        |        |        |        | 388                           | 228     | 103     | 115     | 151     | 232     |
| Tires—                                                            |           |        |        |        |        |        |                               |         |         |         |         |         |
| Casings, automobile thousands.                                    | 2,387     | 1,771  | 908    | 1,058  | 1,111  | 903    | 30,092                        | 18,093  | 7,777   | 9,016   | 10,514  | 9,812   |
| Truck and bus do.                                                 | * 870     | 398    | 187    | 211    | 310    | 175    | * 8,808                       | 7,575   | 3,001   | 3,323   | 4,942   | 3,287   |
| Other automobile do.                                              | * 2,280   | 1,373  | 721    | 847    | 801    | 729    | * 21,815                      | 10,518  | 4,776   | 5,693   | 6,573   | 6,525   |
| Tubes, automobile do.                                             | 1,581     | 1,151  | 574    | 664    | 771    | 634    | 3,232                         | 1,641   | 601     | 692     | 863     | 921     |
| Other casings and tubes do.                                       | 99        | 89     | 32     | 26     | 48     | 45     | 272                           | 205     | 73      | 58      | 127     | 169     |
| Solid tires—                                                      |           |        |        |        |        |        |                               |         |         |         |         |         |
| For automobiles and motor trucks number                           | 64,148    | 11,898 | 7,820  | 6,839  | 9,262  | 4,939  | 2,049                         | 375     | 194     | 183     | 225     | 146     |
| Other 1,000 lbs.                                                  | 1,664     | 1,701  | 1,817  | 1,118  | 1,458  | 1,100  | 378                           | 223     | 163     | 122     | 183     | 153     |
| Tire sundries and repair materials                                |           |        |        |        |        |        | 1,609                         | 815     | 492     | 369     | 381     | 438     |
| Rubber and friction tape 1,000 lbs.                               | 1,492     | 1,122  | 636    | 599    | 550    | 582    | 438                           | 296     | 147     | 132     | 148     | 169     |

|                                                               |        |        |         |        |        |        |        |        |        |        |        |        |
|---------------------------------------------------------------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Rubber belting.....do.....                                    | 4,808  | 3,191  | 1,486   | 1,793  | 2,438  | 2,640  | 2,675  | 1,382  | 823    | 783    | 1,143  | 1,272  |
| Rubber hose.....do.....                                       | 7,438  | 4,753  | 2,591   | 3,064  | 4,348  | 4,043  | 2,678  | 1,388  | 677    | 826    | 1,248  | 1,246  |
| Rubber packing.....do.....                                    | 2,351  | 1,275  | 956     | 1,018  | 1,100  | 1,561  | 1,096  | 525    | 351    | 396    | 442    | 543    |
| Rubber thread.....do.....                                     | 1,583  | 1,586  | 1,249   | 1,448  | 1,121  | 1,155  | 1,792  | 1,206  | 733    | 762    | 670    | 714    |
| Other rubber manufactures.....do.....                         |        |        |         |        |        |        | 2,631  | 1,612  | 961    | 988    | 1,232  | 1,583  |
| <b>B. Naval stores, gums, and resins</b> .....do.....         |        |        |         |        |        |        | 30,266 | 14,304 | 11,587 | 14,714 | 14,489 | 16,489 |
| Naval stores—                                                 |        |        |         |        |        |        |        |        |        |        |        |        |
| Rosin.....1,000 bbls. <sup>1</sup>                            | 1,270  | 1,061  | 1,098   | 1,213  | 1,025  | 1,195  | 20,008 | 8,059  | 6,255  | 7,864  | 8,394  | 9,994  |
| Gum rosin.....do.....                                         | 1,105  | 907    | 938     | 994    | 794    | 918    | 17,596 | 6,923  | 5,345  | 6,540  | 6,615  | 7,794  |
| Wood rosin.....do.....                                        | 165    | 154    | 160     | 219    | 231    | 276    | 2,412  | 1,136  | 910    | 1,324  | 1,778  | 2,200  |
| Gum spirits of turpentine.....1,000 gals                      | 14,271 | 12,214 | 10,940  | 13,388 | 9,789  | 10,380 | 8,392  | 4,813  | 4,410  | 5,781  | 4,755  | 4,895  |
| Wood turpentine.....do.....                                   | 824    | 692    | 529     | 851    | 893    | 945    | 298    | 229    | 343    | 403    | 430    | 430    |
| Tar and pitch of wood.....barrels <sup>1</sup>                | 19,964 | 9,564  | 5,855   | 6,913  | 9,052  | 9,688  | 218    | 92     | 56     | 65     | 98     | 97     |
| Other gums and resins.....1,000 lbs                           | 4,253  | 4,440  | 3,582   | 4,248  | 5,090  | 6,193  | 1,188  | 1,043  | 636    | 662    | 840    | 1,073  |
| <b>C. Drugs, herbs, leaves, and roots, crude</b> .....do..... |        |        |         |        |        |        | 3,841  | 2,413  | 1,198  | 1,267  | 1,650  | 1,195  |
| Ginseng.....1,000 lbs                                         | 194    | 265    | 171     | 233    | 232    | 167    | 2,421  | 1,922  | 853    | 844    | 1,203  | 618    |
| Other crude vegetable drugs.....do.....                       | 4,880  | 3,837  | 3,681   | 4,366  | 3,437  | 4,608  | 919    | 491    | 340    | 423    | 446    | 677    |
| <b>D. Oilseeds</b> .....do.....                               | 2,875  | 13,896 | 250,295 | 23,792 | 5,800  | 92,863 | 140    | 232    | 2,398  | 246    | 128    | 1,473  |
| <b>E. Vegetable oils</b> .....do.....                         |        |        |         |        |        |        | 8,208  | 4,323  | 4,241  | 3,946  | 3,878  | 4,083  |
| Expressed oil and fats, inedible—                             |        |        |         |        |        |        |        |        |        |        |        |        |
| Coconut oil.....1,000 lbs                                     | 23,132 | 15,307 | 21,581  | 25,350 | 23,795 | 11,179 | 1,907  | 761    | 780    | 795    | 733    | 475    |
| Cotton seed oil, crude.....do.....                            | 31,115 | 9,733  | 44,855  | 29,143 | 8,679  | 160    | 2,581  | 562    | 1,445  | 778    | 352    | 16     |
| Linseed oil.....do.....                                       | 2,171  | 1,094  | 842     | 828    | 653    | 986    | 257    | 111    | 60     | 76     | 60     | 101    |
| Vegetable soap stock.....do.....                              | 10,955 | 24,894 | 18,303  | 18,609 | 17,274 | 14,964 | 647    | 1,052  | 563    | 496    | 564    | 688    |
| Other expressed oils and fats.....do.....                     | 7,495  | 4,534  | 1,808   | 1,333  | 2,469  | 2,214  | 788    | 846    | 82     | 72     | 119    | 154    |
| Essential or distilled oils—                                  |        |        |         |        |        |        |        |        |        |        |        |        |
| Peppermint.....do.....                                        | 183    | 230    | 262     | 235    | 238    | 338    | 701    | 438    | 455    | 567    | 679    | 865    |
| Citrus oils <sup>10</sup> .....do.....                        | * 36   | 12     | 72      | 76     | 109    | 337    | * 110  | 28     | 64     | 64     | 93     | 283    |
| Pine.....1,000 gals                                           | * 413  | 391    | 435     | 841    | 926    | 1,101  | * 215  | 224    | 246    | 471    | 502    | 582    |
| Spearmint.....1,000 lbs                                       |        |        | 19      | 26     | 38     | 25     |        |        | 25     | 30     | 57     | 44     |
| Other.....do.....                                             | 2,786  | 1,363  | 1,106   | 1,128  | 1,391  | 2,146  | 1,197  | 782    | 521    | 596    | 712    | 905    |
| <b>F. Dyeing and tanning materials</b> .....do.....           |        |        |         |        |        |        | 2,138  | 1,553  | 1,441  | 1,630  | 1,924  | 1,967  |
| Dye extracts—                                                 |        |        |         |        |        |        |        |        |        |        |        |        |
| Logwood extracts (Include hematine crystals)                  |        |        |         |        |        |        |        |        |        |        |        |        |
| .....1,000 lbs                                                | 2,111  | 1,602  | 960     | 932    | 970    | 1,021  | 213    | 165    | 103    | 105    | 126    | 129    |
| Other dye extracts.....do.....                                | 695    | 551    | 587     | 599    | 344    | 444    | 87     | 44     | 44     | 58     | 37     | 49     |
| Tanning extracts—                                             |        |        |         |        |        |        |        |        |        |        |        |        |
| Chestnut.....do.....                                          | 5,949  | 1,634  | 4,026   | 4,385  | 5,161  | 5,931  | 183    | 59     | 92     | 132    | 166    | 172    |
| Other (vegetable and chemical).....do.....                    | 31,598 | 29,089 | 33,299  | 34,466 | 36,010 | 35,244 | 1,651  | 1,285  | 1,202  | 1,334  | 1,694  | 1,617  |

<sup>1</sup> Average for years 1928-30.<sup>10</sup> Average for years 1929 and 1930.<sup>7</sup> Average for years 1927-30.<sup>9</sup> Of 500 pounds.<sup>10</sup> "Orange oil" prior to 1932.

| Group and article                                                    | Quantity  |          |          |          |          |          | Value in thousands of dollars |          |         |         |          |          |
|----------------------------------------------------------------------|-----------|----------|----------|----------|----------|----------|-------------------------------|----------|---------|---------|----------|----------|
|                                                                      | 1926-1930 | 1931     | 1932     | 1933     | 1934     | 1935     | 1926-1930                     | 1931     | 1932    | 1933    | 1934     | 1935     |
| <b>GROUP 2. VEGETABLE PRODUCTS, INEDIBLE—Contd.</b>                  |           |          |          |          |          |          |                               |          |         |         |          |          |
| <b>G. Seeds, except oilseeds.....</b> 1,000 lbs.                     | 28, 743   | 20, 468  | 18, 885  | 15, 382  | 16, 559  | 11, 848  | 3, 488                        | 2, 307   | 1, 468  | 1, 692  | 2, 473   | 1, 595   |
| Field and garden seeds.....                                          |           |          |          |          |          |          |                               |          |         |         |          |          |
| Alfalfa.....do.....                                                  | 915       | 218      | 1, 565   | 1, 199   | 959      | 509      | 189                           | 43       | 159     | 123     | 124      | 71       |
| Red clover.....do.....                                               | 676       | 670      | 268      | 3, 025   | 1, 092   | 311      | 144                           | 99       | 22      | 399     | 159      | 48       |
| Other clover.....do.....                                             | 698       | 257      | 319      | 134      | 1, 769   | 775      | 133                           | 52       | 32      | 13      | 346      | 155      |
| Timothy.....do.....                                                  | 13, 520   | 10, 476  | 10, 891  | 5, 009   | 3, 698   | 3, 425   | 880                           | 736      | 432     | 231     | 308      | 164      |
| Other grass seeds.....do.....                                        | 6, 284    | 5, 190   | 3, 509   | 3, 957   | 5, 306   | 4, 420   | 974                           | 643      | 266     | 361     | 730      | 497      |
| Other field seeds.....do.....                                        | 2, 931    | 1, 297   | 964      | 473      | 1, 319   | 702      | 254                           | 56       | 43      | 12      | 61       | 46       |
| Vegetable and flower seeds.....do.....                               | 3, 719    | 2, 360   | 1, 340   | 1, 584   | 2, 416   | 1, 705   | 914                           | 680      | 534     | 504     | 748      | 614      |
| <b>H. Nursery and greenhouse stock.....</b>                          |           |          |          |          |          |          | 678                           | 392      | 283     | 156     | 274      | 319      |
| Flowers, cut.....do.....                                             |           |          |          |          |          |          | 171                           | 105      | 66      | 38      | 47       | 58       |
| Fruit stock, cuttings, or seedlings.....thousands.....               | 2, 713    | 1, 055   | 457      | 425      | 821      | 587      | 165                           | 87       | 53      | 42      | 79       | 74       |
| All other nursery or greenhouse stock, plants, and bulbs.....do..... |           |          |          |          |          |          | 340                           | 200      | 104     | 77      | 149      | 187      |
| <b>I. Tobacco and manufactures.....</b>                              |           |          |          |          |          |          | 168, 311                      | 119, 488 | 72, 810 | 89, 585 | 133, 088 | 143, 026 |
| Tobacco, unmanufactured.....1,000 lbs.                               | 545, 676  | 524, 470 | 411, 159 | 438, 936 | 440, 866 | 396, 330 | 144, 549                      | 110, 780 | 65, 901 | 82, 924 | 125, 064 | 134, 043 |
| Leaf tobacco.....do.....                                             | 535, 348  | 503, 545 | 387, 766 | 420, 418 | 418, 983 | 381, 182 | 144, 115                      | 109, 628 | 64, 982 | 82, 094 | 124, 259 | 133, 660 |
| Bright flue-cured.....do.....                                        | 366, 638  | 388, 252 | 255, 311 | 297, 941 | 305, 984 | 289, 609 | 114, 217                      | 88, 993  | 49, 161 | 67, 656 | 109, 410 | 119, 183 |
| Burley.....do.....                                                   | 9, 215    | 8, 919   | 12, 342  | 10, 611  | 16, 384  | 8, 844   | 1, 650                        | 1, 588   | 1, 386  | 1, 339  | 2, 106   | 1, 665   |
| Dark-fired Kentucky and Tenn.....do.....                             | 100, 217  | 67, 971  | 79, 393  | 76, 574  | 65, 421  | 52, 574  | 16, 004                       | 10, 081  | 6, 848  | 6, 964  | 6, 941   | 6, 819   |
| Dark Virginia.....do.....                                            | 20, 173   | 11, 430  | 14, 370  | 11, 936  | 11, 431  | 9, 456   | 4, 735                        | 2, 564   | 2, 505  | 1, 873  | 2, 105   | 2, 195   |
| Maryland and Ohio export.....do.....                                 | 13, 175   | 7, 549   | 10, 169  | 9, 186   | 7, 103   | 4, 690   | 2, 358                        | 2, 323   | 2, 343  | 2, 084  | 1, 455   | 1, 153   |
| Green River.....do.....                                              |           | 5, 347   | 4, 389   | 2, 542   | 2, 244   | 3, 601   |                               | 1, 459   | 709     | 306     | 391      | 637      |
| One-stucker leaf.....do.....                                         | 13, 831   | 1, 477   | 997      | 1, 116   | 1, 062   | 1, 154   |                               | 162      | 118     | 98      | 86       | 106      |
| Black fat, water baler, dark African.....do.....                     | 7 3, 962  | 8, 673   | 9, 977   | 8, 578   | 7, 802   | 10, 432  | 7 836                         | 1, 673   | 1, 587  | 1, 225  | 1, 221   | 1, 709   |
| Cigar leaf.....do.....                                               | 2, 075    | 3, 794   | 696      | 1, 894   | 1, 483   | 752      | 640                           | 725      | 273     | 535     | 621      | 378      |
| Other leaf tobacco.....do.....                                       | 6, 856    | 133      | 122      | 40       | 69       | 70       | 1, 328                        | 60       | 52      | 15      | 25       | 24       |
| Stems, trimmings, and scrap tobacco.....do.....                      | 10, 327   | 20, 025  | 23, 393  | 18, 518  | 21, 883  | 15, 148  | 433                           | 1, 152   | 919     | 830     | 805      | 374      |
| <b>Tobacco manufactures.....</b>                                     |           |          |          |          |          |          | 18, 762                       | 8, 709   | 6, 908  | 6, 671  | 8, 024   | 8, 983   |
| Cigar sand cheroots.....thousands.....                               |           |          |          |          |          | 5, 364   |                               |          |         |         |          | 404      |
| Cigarettes.....millions.....                                         | 8, 344    | 2, 968   | 2, 417   | 2, 495   | 3, 301   | 3, 900   | 16, 137                       | 6, 751   | 5, 329  | 4, 895  | 6, 144   | 7, 262   |
| Chewing tobacco, plug and other.....1,000 lbs.                       | 3, 624    | 2, 604   | 2, 000   | 1, 645   | 1, 625   | 1, 578   | 1, 774                        | 1, 114   | 843     | 676     | 630      | 597      |
| Smoking tobacco (including cigar cuttings).....1,000 lbs.            | 1, 128    | 1, 046   | 854      | 875      | 1, 078   | 1, 072   | 727                           | 775      | 605     | 558     | 670      | 660      |
| Other tobacco manufactures.....do.....                               | 264       | 80       | 62       | 130      | 176      | 142      | 124                           | 69       | 121     | 541     | 581      | 70       |

|                                           |                |           |           |           |                  |                  |                  |         |         |         |         |         |         |
|-------------------------------------------|----------------|-----------|-----------|-----------|------------------|------------------|------------------|---------|---------|---------|---------|---------|---------|
| J. Miscellaneous vegetable products       |                |           |           |           |                  |                  | 11,478           | 4,693   | 2,776   | 4,562   | 4,225   | 3,212   |         |
| Starch—                                   |                |           |           |           |                  |                  |                  |         |         |         |         |         |         |
| Cornstarch and corn flour                 | 1,000 lbs.     | 214,430   | 87,719    | 52,052    | 58,834           | 64,215           | 38,980           | 7,165   | 2,787   | 1,400   | 1,558   | 1,914   | 1,362   |
| Other starch                              | do.            | 8,232     | 1,607     | 794       | 616              | 484              | 690              | 289     | 85      | 44      | 34      | 30      | 38      |
| Broom corn                                | tons           | 4,283     | 4,033     | 3,355     | 3,385            | 2,367            | 2,003            | 556     | 310     | 199     | 304     | 413     | 273     |
| Brooms                                    | dozens         | 17,718    | 14,697    | 8,208     | 7,490            | 7,800            | 6,307            | 91      | 57      | 30      | 28      | 34      | 31      |
| Hops                                      | 1,000 lbs.     | 10,051    | 3,797     | 3,007     | 6,727            | 6,003            | 6,221            | 2,242   | 591     | 598     | 2,288   | 1,371   | 992     |
| Other inedible vegetable products         |                |           |           |           |                  |                  |                  | 1,063   | 767     | 463     | 350     | 462     | 516     |
| GROUP 3.—TEXTILES                         |                |           |           |           |                  |                  |                  |         |         |         |         |         |         |
| Total                                     |                |           |           |           |                  |                  | 954,918          | 423,757 | 408,804 | 455,771 | 440,256 | 456,186 |         |
| A. Cotton, unmanufactured                 |                |           |           |           |                  |                  |                  |         |         |         |         |         |         |
|                                           | 1,000 bales    | 8,287     | 6,858     | 8,059     | 8,532            | 5,943            | 6,093            | 765,874 | 325,667 | 345,164 | 398,212 | 372,755 | 390,598 |
|                                           | 1,000 lbs.     | 4,328,362 | 3,986,956 | 4,803,148 | 4,523,430        | 3,148,634        | 3,233,836        |         |         |         |         |         |         |
| Raw cotton, except linters                | 1,000 bales    | 8,112     | 6,851     | 8,916     | 8,353            | 5,753            | 5,861            | 759,965 | 323,795 | 343,182 | 395,168 | 367,165 | 383,398 |
|                                           | 1,000 lbs.     | 4,227,832 | 3,602,989 | 4,714,631 | 4,411,597        | 3,028,802        | 3,084,719        |         |         |         |         |         |         |
| Long staple (1½ inches or over)           |                |           |           |           |                  |                  |                  |         |         |         |         |         |         |
| American-Egyptian (Pima)                  | 1,000 bales    | 4         | 1         | 1         | (1) <sup>1</sup> | (1) <sup>1</sup> | (1) <sup>1</sup> | 671     | 67      | 37      | 41      | 54      | 29      |
|                                           | 1,000 lbs.     | 2,088     | 336       | 240       | 228              | 222              | 162              |         |         |         |         |         |         |
| Other                                     | 1,000 bales    | 878       | 161       | 221       | 195              | 90               | 49               | 89,318  | 8,963   | 8,793   | 9,676   | 5,847   | 3,341   |
|                                           | 1,000 lbs.     | 458,897   | 83,225    | 115,945   | 102,080          | 46,951           | 25,780           |         |         |         |         |         |         |
| Upland, (under 1½ inches)                 | 1,000 bales    | 7,232     | 6,869     | 8,065     | 8,153            | 5,663            | 5,311            | 670,399 | 314,766 | 334,352 | 385,551 | 361,264 | 380,028 |
|                                           | 1,000 lbs.     | 3,768,101 | 3,519,428 | 4,508,445 | 4,309,289        | 2,981,629        | 3,058,778        |         |         |         |         |         |         |
|                                           | 1,000 bales    | 175       | 105       | 143       | 179              | 189              | 230              | 5,690   | 1,873   | 1,982   | 3,044   | 5,590   | 7,499   |
| Linters                                   | 1,000 lbs.     | 100,530   | 63,967    | 88,517    | 111,833          | 119,832          | 149,115          |         |         |         |         |         |         |
| B. Cotton semimanufactures                |                |           |           |           |                  |                  |                  |         |         |         |         |         |         |
|                                           | do.            | 107,562   | 67,991    | 106,854   | 93,479           | 109,460          | 100,343          | 21,237  | 9,815   | 9,276   | 7,508   | 9,488   | 9,030   |
| Cotton pulp                               | do.            |           |           | 36,821    | 25,513           | 26,919           | 26,285           |         |         | 2,101   | 1,407   | 2,038   | 2,180   |
| Cotton-mill waste                         | do.            | 68,157    | 44,296    | 45,113    | 42,923           | 53,797           | 36,334           | 6,561   | 2,897   | 2,167   | 2,232   | 3,503   | 2,303   |
| Cotton rags, except paper stock           | do.            | 16,207    | 8,996     | 8,754     | 12,598           | 20,027           | 19,588           | 1,145   | 638     | 430     | 511     | 931     | 971     |
| Cotton batting, carded cotton, and roving | 1,000 lbs.     | 389       | 427       | 154       | 464              | 1,089            | 1,138            | 71      | 62      | 22      | 57      | 150     | 166     |
| Card strips and comb waste                | do.            |           |           |           |                  |                  | 10,705           |         |         |         |         |         |         |
| Cotton yarn—                              |                |           |           |           |                  |                  |                  |         |         |         |         |         |         |
| Carded yarn, not combed                   | do.            | 13,507    | 6,773     | 9,743     | 8,402            | 4,744            | 4,141            | 4,585   | 1,492   | 1,648   | 1,571   | 1,315   | 1,144   |
| Combed yarn                               | do.            | 11,458    | 7,499     | 5,770     | 3,579            | 2,884            | 2,162            | 8,903   | 4,725   | 2,908   | 1,729   | 1,549   | 1,133   |
| Mercoerized                               | do.            | 10,102    | 6,477     | 5,135     | 2,095            | 1,860            | 1,383            | 8,445   | 4,353   | 2,693   | 1,133   | 1,198   | 842     |
| Not mercoerized                           | do.            | 1,911     | 1,022     | 635       | 1,484            | 1,024            | 769              | 761     | 372     | 215     | 596     | 351     | 291     |
| C. Cotton manufactures                    |                |           |           |           |                  |                  | 102,842          | 50,255  | 36,248  | 31,845  | 33,975  | 29,678  |         |
| Cotton thread and cordage—                |                |           |           |           |                  |                  |                  |         |         |         |         |         |         |
| Sewing thread                             | 1,000 lbs.     | 1,113     | 868       | 940       | 857              | 698              | 873              | 1,136   | 830     | 694     | 670     | 584     | 703     |
| Crochet, darning, and embroidery cotton   | 1,000 lbs.     | 104       | 22        | 9         | 17               | 20               | 26               | 125     | 32      | 13      | 17      | 21      | 22      |
| Twine and cordage                         | do.            | 4,266     | 2,512     | 2,318     | 2,474            | 2,691            | 2,213            | 1,629   | 763     | 537     | 619     | 856     | 730     |
| Cotton cloth, duck, and tire fabric       |                |           |           |           |                  |                  |                  |         |         |         |         |         |         |
|                                           | 1,000 sq. yds. | 521,180   | 366,959   | 375,447   | 302,042          | 226,306          | 186,566          | 72,288  | 36,783  | 27,357  | 23,511  | 24,666  | 20,036  |
| Tire fabric—                              |                |           |           |           |                  |                  |                  |         |         |         |         |         |         |
| Cord                                      | do.            | 2,980     | 685       | 889       | 423              | 917              | 547              | 1,296   | 222     | 229     | 151     | 311     | 179     |
| Other                                     | do.            | 1,265     | 594       | 557       | 479              | 524              | 767              | 1,413   | 151     | 63      | 120     | 155     | 222     |

<sup>1</sup> Average for years 1923-30.<sup>11</sup> Cornstarch only prior to July 1, 1927; prior to that date corn flour was included with corn meal.<sup>6</sup> Average for years 1929 and 1930.<sup>7</sup> Average for years 1927-30.<sup>12</sup> Less than 500.

| Group and article                                                | Quantity  |         |         |         |         |         | Value in thousands of dollars |        |        |        |        |        |
|------------------------------------------------------------------|-----------|---------|---------|---------|---------|---------|-------------------------------|--------|--------|--------|--------|--------|
|                                                                  | 1926-1930 | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931   | 1932   | 1933   | 1934   | 1935   |
| <b>GROUP 3. TEXTILES—Continued</b>                               |           |         |         |         |         |         |                               |        |        |        |        |        |
| <b>C. Cotton manufactures—Continued.</b>                         |           |         |         |         |         |         |                               |        |        |        |        |        |
| Cotton cloth, duck, and tire fabric—Contd.                       |           |         |         |         |         |         |                               |        |        |        |        |        |
| Cotton duck—1,000 sq. yds.                                       | 13,048    | 8,149   | 6,196   | 5,360   | 5,277   | 4,742   | 4,391                         | 1,838  | 895    | 1,000  | 1,296  | 1,260  |
| Heavy filter, paper dryer, hose, and belting duck—1,000 sq. yds. | 586       | 452     | 382     | 455     | 368     | 349     | 372                           | 257    | 112    | 150    | 126    | 148    |
| Unbleached (gray).....do                                         | 9,679     | 6,025   | 4,902   | 4,258   | 4,079   | 3,661   | 3,201                         | 1,199  | 710    | 701    | 935    | 897    |
| Ounce.....do                                                     | 7 5,290   | 3,294   | 3,635   | 3,116   | 2,614   | 1,844   | 7 1,449                       | 645    | 446    | 396    | 467    | 328    |
| Numbered.....do                                                  | 7 4,518   | 2,731   | 1,267   | 1,142   | 1,465   | 1,816   | 7 1,699                       | 654    | 264    | 304    | 468    | 669    |
| Bleached.....do                                                  | 1,724     | 1,138   | 559     | 377     | 375     | 277     | 540                           | 231    | 93     | 80     | 99     | 82     |
| Colored.....do                                                   | 1,293     | 534     | 353     | 269     | 454     | 456     | 427                           | 151    | 80     | 69     | 136    | 133    |
| Cotton cloth.....do                                              | 503,888   | 357,529 | 367,806 | 295,780 | 219,580 | 179,508 | 66,188                        | 33,573 | 26,072 | 22,240 | 22,894 | 18,374 |
| Unbleached (gray).....do                                         | 122,034   | 97,721  | 101,263 | 85,428  | 54,413  | 44,455  | 11,178                        | 5,886  | 4,556  | 4,265  | 3,945  | 3,208  |
| Drills and twills.....do                                         | 5 11,649  | 7,803   | 7,156   | 5,829   | 4,065   | 4,160   | 5 1,405                       | 631    | 453    | 403    | 404    | 406    |
| Sheetings, 40 inches and under.....do                            | 5 71,526  | 62,799  | 70,757  | 60,363  | 34,037  | 24,190  | 5 6,030                       | 3,467  | 2,968  | 2,707  | 2,134  | 1,530  |
| Sheetings over 40 inches.....do                                  | 5 1,476   | 566     | 594     | 717     | 516     | 1,182   | 5 163                         | 47     | 41     | 39     | 44     | 83     |
| Osnaburgs.....do                                                 | 5 19,970  | 16,772  | 14,937  | 14,978  | 12,925  | 12,894  | 5 1,976                       | 1,133  | 829    | 952    | 1,136  | 1,012  |
| All other.....do                                                 | 5 16,993  | 9,781   | 7,819   | 3,541   | 2,870   | 2,029   | 5 1,121                       | 608    | 265    | 165    | 227    | 177    |
| Bleached.....do                                                  | 87,023    | 54,434  | 51,419  | 40,336  | 40,553  | 39,023  | 10,199                        | 4,921  | 3,592  | 3,139  | 4,263  | 3,971  |
| Drills and twills.....do                                         | 5 4,085   | 2,441   | 2,387   | 2,714   | 2,947   | 2,695   | 5 618                         | 336    | 236    | 313    | 442    | 410    |
| Pajama checks.....do                                             | 5 8,833   | 4,059   | 4,490   | 2,789   | 719     | 519     | 5 879                         | 303    | 273    | 162    | 72     | 53     |
| Sheetings—                                                       |           |         |         |         |         |         |                               |        |        |        |        |        |
| 40 inches wide and under.....do                                  | 5 25,104  | 13,551  | 20,003  | 15,110  | 12,025  | 9,318   | 5 2,784                       | 1,087  | 1,215  | 1,039  | 1,103  | 849    |
| Over 40 inches wide.....do                                       | 5 8,654   | 3,021   | 2,191   | 3,103   | 5,732   | 6,262   | 5 1,141                       | 332    | 195    | 274    | 603    | 624    |
| All other bleached.....do                                        | 5 29,919  | 31,362  | 22,348  | 16,619  | 19,129  | 20,230  | 5 3,350                       | 2,863  | 1,673  | 1,352  | 2,043  | 2,034  |
| Colored.....do                                                   | 294,831   | 205,374 | 215,124 | 170,017 | 124,625 | 96,030  | 44,811                        | 22,766 | 17,924 | 14,835 | 14,687 | 11,196 |
| Voiles.....do                                                    | 5 50,645  | 41,157  | 37,227  | 29,326  | 14,254  | 5,649   | 5 7,139                       | 4,390  | 3,054  | 2,566  | 1,577  | 610    |
| Percales and prints—                                             |           |         |         |         |         |         |                               |        |        |        |        |        |
| 32 inches and narrower.....do                                    | 5 27,291  | 13,775  | 13,845  | 5,847   | 1,130   | 732     | 5 2,795                       | 1,076  | 967    | 399    | 124    | 69     |
| Over 32 inches wide.....do                                       | 5 11,770  | 11,756  | 15,799  | 14,264  | 11,659  | 8,151   | 5 1,549                       | 1,230  | 1,300  | 1,199  | 1,355  | 862    |
| Flannels and flannelettes.....do                                 | 5 3,887   | 1,785   | 2,411   | 1,333   | 914     | 1,292   | 5 576                         | 214    | 177    | 111    | 112    | 150    |
| Khaki and fustians.....do                                        | 5 4,190   | 3,304   | 4,020   | 2,959   | 2,729   | 3,211   | 5 828                         | 532    | 546    | 423    | 553    | 645    |
| Denims.....do                                                    | 5 10,238  | 17,577  | 17,339  | 11,808  | 8,849   | 8,460   | 5 2,845                       | 2,050  | 1,561  | 1,217  | 1,171  | 1,016  |
| Suitings (drills, etc.).....do                                   | 5 26,049  | 17,766  | 13,965  | 13,180  | 13,340  | 9,405   | 5 4,241                       | 2,314  | 1,413  | 1,344  | 1,848  | 1,309  |
| Ginghams.....do                                                  | 5 11,169  | 4,228   | 3,833   | 1,459   | 857     | 701     | 5 1,196                       | 347    | 235    | 99     | 82     | 73     |
| Chambrays.....do                                                 | 5 15,345  | 15,485  | 16,167  | 13,048  | 10,982  | 8,601   | 5 1,608                       | 1,217  | 1,015  | 819    | 973    | 700    |
| All other printed fabrics—                                       |           |         |         |         |         |         |                               |        |        |        |        |        |
| 7½ and more yds. per lb.....do                                   | 41,327    | 19,271  | 28,085  | 16,766  | 14,226  | 9,636   | 6,899                         | 2,364  | 2,420  | 1,572  | 1,724  | 1,165  |
| Less than 7½ yds. per lb.....do                                  |           | 17,777  | 16,970  | 18,058  | 14,344  | 10,504  |                               | 1,974  | 1,447  | 1,563  | 1,612  | 1,205  |

|                                                                                                             |                         |             |         |         |         |         |         |            |        |        |        |        |        |
|-------------------------------------------------------------------------------------------------------------|-------------------------|-------------|---------|---------|---------|---------|---------|------------|--------|--------|--------|--------|--------|
| All other piece-dyed fabrics—<br>5 and more yds. per lb. . . . .                                            | do. . . . .             | { 45, 227 { | 13, 632 | 24, 436 | 26, 530 | 20, 188 | 18, 813 | { 9, 247 { | 1, 883 | 1, 719 | 1, 950 | 1, 963 | 1, 894 |
| Less than 5 yds. per lb. . . . .                                                                            | do. . . . .             |             | 8, 790  | 10, 167 | 8, 286  | 6, 631  | 5, 795  |            | 978    | 930    | 803    | 882    | 705    |
| All other yarn-dyed fabrics . . . . .                                                                       | do. . . . .             |             | 18, 558 | 8, 977  | 5, 582  | 3, 237  | 3, 534  |            | 2, 811 | 989    | 695    | 511    | 436    |
| Cotton and rayon mixtures (cotton<br>chief value) . . . . .                                                 | 1,000 sq. yds. . . . .  | { 15, 060 { | 5, 094  | 2, 799  | 1, 513  | 1, 310  | 1, 547  | { 4, 209 { | 1, 208 | 445    | 264    | 256    | 278    |
| Cotton and silk mixtures (cotton chief<br>value) . . . . .                                                  | 1,000 sq. yds. . . . .  |             |         |         |         | 57      | 74      |            |        |        |        |        | 7      |
| Other cotton fabrics—                                                                                       |                         |             |         |         |         |         |         |            |        |        |        |        |        |
| Blankets . . . . .                                                                                          | 1,000 lbs. . . . .      | 1, 453      | 652     | 765     | 606     | 606     | 845     | 834        | 288    | 260    | 218    | 287    | 379    |
| Damasks . . . . .                                                                                           | 1,000 sq. yds. . . . .  | 549         | 307     | 310     | 369     | 485     | 445     | 161        | 64     | 51     | 58     | 97     | 85     |
| Pile fabrics, plushes, velveteens, and cordu-<br>roy . . . . .                                              | 1,000 sq. yds. . . . .  | 507         | 448     | 326     | 194     | 263     | 297     | 441        | 234    | 144    | 111    | 183    | 210    |
| Tapestries and other upholstery goods . . . . .                                                             | do. . . . .             | 214         | 55      | 41      | 41      | 99      | 324     | 196        | 57     | 25     | 26     | 55     | 141    |
| Cotton fabrics sold by the pound . . . . .                                                                  | 1,000 lbs. . . . .      | 6, 303      | 8, 243  | 8, 604  | 7, 687  | 5, 302  | 4, 952  | 2, 367     | 2, 081 | 1, 716 | 1, 309 | 1, 066 | 1, 053 |
| Cotton wearing apparel                                                                                      |                         |             |         |         |         |         |         | 14, 722    | 6, 174 | 3, 087 | 2, 634 | 3, 063 | 2, 925 |
| Knit goods—                                                                                                 |                         |             |         |         |         |         |         |            |        |        |        |        |        |
| Gloves . . . . .                                                                                            | doz. prs. . . . .       | 119, 845    | 79, 961 | 37, 810 | 40, 897 | 39, 762 | 38, 862 | 209        | 112    | 48     | 46     | 64     | 68     |
| Hosiery . . . . .                                                                                           | 1,000 doz. prs. . . . . | 3, 798      | 1, 122  | 709     | 413     | 246     | 214     | 6, 513     | 1, 687 | 878    | 511    | 401    | 328    |
| Women's . . . . .                                                                                           | do. . . . .             | 1, 678      | 593     | 338     | 188     | 86      | 56      | 2, 980     | 908    | 427    | 242    | 143    | 87     |
| Children's . . . . .                                                                                        | do. . . . .             | 673         | 260     | 193     | 110     | 58      | 52      | 1, 035     | 358    | 217    | 116    | 84     | 65     |
| Men's socks . . . . .                                                                                       | do. . . . .             | 954         | 289     | 178     | 116     | 103     | 105     | 1, 603     | 421    | 234    | 153    | 174    | 175    |
| Underwear . . . . .                                                                                         | 1,000 doz. . . . .      | 625         | 301     | 164     | 155     | 115     | 123     | 2, 353     | 881    | 329    | 333    | 338    | 358    |
| Sweaters, shawls, and other knit outer-<br>wear . . . . .                                                   | 1,000 pcs. . . . .      | 484         | 178     | 102     | 93      | 107     | 153     | 398        | 102    | 52     | 47     | 63     | 78     |
| Other wearing apparel—                                                                                      |                         |             |         |         |         |         |         |            |        |        |        |        |        |
| Collars and cuffs . . . . .                                                                                 | 1,000 doz. . . . .      | 273         | 55      | 35      | 30      | 22      | 31      | 402        | 76     | 35     | 21     | 18     | 28     |
| Overalls, breeches, pants . . . . .                                                                         | doz. . . . .            | 31, 670     | 39, 020 | 25, 118 | 23, 735 | 18, 954 | 17, 553 | 389        | 370    | 183    | 185    | 191    | 164    |
| Underwear, not knit . . . . .                                                                               | 1,000 doz. . . . .      | 139         | 66      | 37      | 41      | 32      | 28      | 646        | 276    | 130    | 111    | 127    | 105    |
| Shirts . . . . .                                                                                            | do. . . . .             | 204         | 180     | 142     | 127     | 95      | 70      | 1, 978     | 1, 455 | 868    | 736    | 777    | 648    |
| Dresses, skirts, and waists . . . . .                                                                       | 1,000 pcs. . . . .      | 430         | 848     | 419     | 562     | 850     | 948     | 426        | 657    | 277    | 327    | 667    | 770    |
| Other cotton clothing . . . . .                                                                             |                         |             |         |         |         |         |         | 1, 402     | 558    | 297    | 318    | 417    | 377    |
| Other cotton manufactures—                                                                                  |                         |             |         |         |         |         |         |            |        |        |        |        |        |
| Handkerchiefs . . . . .                                                                                     | 1,000 doz. . . . .      | 212         | 83      | 87      | 69      | 84      | 125     | 141        | 56     | 50     | 47     | 60     | 91     |
| Laces, embroideries, and lace window cur-<br>tains . . . . .                                                | 1,000 yds. . . . .      | 5, 553      | 1, 574  | 1, 183  | 1, 528  | 1, 287  | 1, 941  | 206        | 86     | 48     | 61     | 74     | 96     |
| Woven belting for machinery . . . . .                                                                       | 1,000 lbs. . . . .      | 450         | 179     | 134     | 146     | 170     | 270     | 283        | 97     | 60     | 68     | 89     | 137    |
| Cotton bags . . . . .                                                                                       | do. . . . .             | 6, 723      | 4, 232  | 4, 422  | 5, 454  | 4, 525  | 4, 478  | 1, 495     | 961    | 799    | 1, 134 | 1, 195 | 1, 221 |
| Quilts, comforts, counterpanes, etc. number<br>Bed sheets, pillow, bolster, and mattress<br>cases . . . . . | doz. . . . .            | 141, 982    | 93, 571 | 70, 618 | 64, 350 | 72, 159 | 69, 690 | 210        | 115    | 156    | 61     | 101    | 110    |
| Towels, bath mats, wash cloths . . . . .                                                                    | 1,000 doz. . . . .      | 27, 803     | 16, 972 | 13, 615 | 14, 065 | 13, 399 | 18, 467 | 209        | 84     | 61     | 87     | 80     | 92     |
| Towels, bath mats, wash cloths . . . . .                                                                    | 1,000 doz. . . . .      | 633         | 389     | 158     | 107     | 121     | 122     | 1, 009     | 500    | 189    | 136    | 169    | 230    |
| Other cotton manufactures                                                                                   |                         |             |         |         |         |         |         | 5, 410     | 2, 050 | 1, 101 | 1, 097 | 1, 340 | 1, 416 |
| D. Jute manufactures.                                                                                       |                         |             |         |         |         |         |         | 8, 984     | 3, 194 | 1, 389 | 1, 101 | 1, 198 | 1, 261 |
| Jute yarn, cordage, and twine . . . . .                                                                     | 1,000 lbs. . . . .      | 998         | 535     | 193     | 157     | 176     | 226     | 171        | 67     | 25     | 20     | 25     | 33     |
| Bags of jute . . . . .                                                                                      | do. . . . .             | 33, 378     | 30, 821 | 17, 223 | 12, 585 | 12, 980 | 15, 777 | 3, 328     | 3, 036 | 1, 290 | 1, 030 | 1, 070 | 1, 117 |
| Other jute manufactures . . . . .                                                                           | do. . . . .             | 3, 692      | 1, 183  | 1, 064  | 480     | 1, 491  | 1, 885  | 385        | 91     | 74     | 50     | 101    | 112    |

<sup>b</sup> Average for years 1929 and 1930.

<sup>7</sup> Average for years 1927-30.

| Group and article                                              | Quantity  |        |        |        |        |        | Value in thousands of dollars |       |       |       |       |       |
|----------------------------------------------------------------|-----------|--------|--------|--------|--------|--------|-------------------------------|-------|-------|-------|-------|-------|
|                                                                | 1929-1930 | 1931   | 1932   | 1933   | 1934   | 1935   | 1929-1930                     | 1931  | 1932  | 1933  | 1934  | 1935  |
| <b>GROUP 3.—TEXTILES—Continued</b>                             |           |        |        |        |        |        |                               |       |       |       |       |       |
| <b>E. Flax, hemp, and ramie manufactures</b>                   |           |        |        |        |        |        | 523                           | 262   | 102   | 105   | 243   | 308   |
| <b>F. Other vegetable fiber manufactures</b>                   |           |        |        |        |        |        | 5,900                         | 4,385 | 1,014 | 650   | 987   | 983   |
| Cordage, except of cotton or jute—                             |           |        |        |        |        |        |                               |       |       |       |       |       |
| Blender twine.....1,000 lbs                                    | 22,817    | 10,026 | 11,900 | 6,016  | 6,703  | 6,065  | 2,652                         | 707   | 686   | 307   | 426   | 402   |
| Manila cordage.....do                                          | 4,465     | 2,026  | 1,151  | 1,372  | 1,624  | 2,120  | 858                           | 314   | 147   | 172   | 210   | 260   |
| Sisal or henequen cordage.....do                               | 1,695     | 136    | 73     | 67     | 79     | 52     | 302                           | 16    | 7     | 6     | 8     | 5     |
| Other cordage.....do                                           | 492       | 190    | 103    | 150    | 134    | 266    | 91                            | 26    | 15    | 29    | 13    | 40    |
| Oakum.....do                                                   | 2,012     | 1,069  | 566    | 832    | 1,002  | 1,338  | 171                           | 82    | 48    | 63    | 79    | 99    |
| Other vegetable fiber, straw, or grass manufactures            |           |        |        |        |        |        | 1,925                         | 3,240 | 111   | 74    | 136   | 166   |
| <b>I. Wool, mohair, and Angora rabbit hair, unmanufactured</b> |           |        |        |        |        |        |                               |       |       |       |       |       |
| .....1,000 lbs                                                 | 300       | 274    | 179    | 19     | 119    | 20     | 121                           | 70    | 32    | 13    | 33    | 6     |
| <b>J. Wool semimanufactures</b>                                |           |        |        |        |        |        |                               |       |       |       |       |       |
| .....do                                                        | 13,309    | 8,088  | 9,173  | 6,770  | 6,728  | 2,981  | 1,189                         | 513   | 393   | 315   | 416   | 918   |
| Wool rugs.....do                                               | 12,544    | 7,595  | 8,781  | 6,306  | 6,080  | 2,634  | 906                           | 382   | 308   | 261   | 348   | 160   |
| Wool nolls and waste.....do                                    | 706       | 401    | 324    | 453    | 642    | 332    | 144                           | 48    | 31    | 42    | 57    | 30    |
| Wool yarns.....do                                              | 59        | 72     | 68     | 11     | 7      | 16     | 89                            | 83    | 54    | 13    | 10    | 18    |
| <b>K. Wool manufactures</b>                                    |           |        |        |        |        |        | 4,437                         | 2,484 | 833   | 1,081 | 1,216 | 1,570 |
| Fabrics wholly or chiefly of wool—                             |           |        |        |        |        |        |                               |       |       |       |       |       |
| Wool cloth and dress goods.....1,000 lbs                       | 323       | 158    | 56     | 47     | 121    | 183    | 621                           | 300   | 77    | 74    | 169   | 207   |
| .....1,000 yds                                                 | 471       | 194    | 69     | 68     | 152    | 157    |                               |       |       |       |       |       |
| Mohair cloth.....1,000 lbs                                     | 60        | 25     | 17     | 30     | 52     | 89     |                               |       |       |       |       |       |
| Other wool fabrics.....1,000 yds                               | 107       | 41     | 26     | 30     | 61     | 83     | 173                           | 106   | 30    | 35    | 69    | 109   |
| .....1,000 lbs                                                 | 49        | 18     | 9      | 15     | 14     | 17     | 76                            | 26    | 9     | 20    | 21    | 23    |
| Carpets and rugs of wool.....sq. yds                           | 115,071   | 36,545 | 18,021 | 32,741 | 71,927 | 85,312 | 439                           | 154   | 61    | 83    | 221   | 254   |
| Wool felts.....1,000 lbs                                       | 271       | 73     | 30     | 32     | 64     | 38     | 348                           | 109   | 47    | 45    | 72    | 49    |
| Wool wearing apparel—                                          |           |        |        |        |        |        |                               |       |       |       |       |       |
| Knitted bathing suits.....dozen                                | 26,993    | 25,808 | 4,136  | 2,753  | 3,654  | 5,682  | 828                           | 780   | 97    | 59    | 67    | 94    |
| Other knit goods.....do                                        |           |        |        |        |        |        | 366                           | 139   | 36    | 114   | 101   | 130   |
| Men's and boys' overcoats, suits, pants, 1,000 pieces          | 148       | 54     | 20     | 47     | 18     | 50     | 601                           | 282   | 94    | 141   | 85    | 165   |
| Women's and children's wool clothing, 1,000 pieces             | 50        | 43     | 40     | 49     | 34     | 29     | 414                           | 285   | 167   | 213   | 205   | 175   |
| Other wool or mohair manufactures                              |           |        |        |        |        |        | 645                           | 303   | 175   | 298   | 205   | 364   |
| <b>L. Hair and manufactures</b>                                |           |        |        |        |        |        | 2,468                         | 1,252 | 903   | 1,476 | 2,182 | 2,238 |
| Hair, unmanufactured—                                          |           |        |        |        |        |        |                               |       |       |       |       |       |
| Cattle.....do                                                  | 8,109     | 2,859  | 3,557  | 9,636  | 8,039  | 9,630  | 810                           | 210   | 158   | 418   | 544   | 638   |
| Other.....do                                                   | 11,013    | 12,216 | 8,928  | 13,514 | 16,242 | 15,291 | 1,355                         | 915   | 648   | 936   | 1,518 | 1,495 |
| Hair manufactures.....do                                       | 1,049     | 298    | 237    | 691    | 351    | 381    | 302                           | 127   | 97    | 122   | 99    | 104   |

|                                                |                  |            |          |         |         |         | 17,293  | 9,562   | 4,647 | 4,878 | 5,176 | 5,605 |
|------------------------------------------------|------------------|------------|----------|---------|---------|---------|---------|---------|-------|-------|-------|-------|
| <b>N. Silk manufactures</b>                    |                  |            |          |         |         |         |         |         |       |       |       |       |
| Tram, organzine, hard twists, and spun silk    | 151,454          | 196,994    | 219,090  | 326,914 | 244,077 | 326,830 | 813     | 738     | 680   | 878   | 661   | 846   |
| Sewing, embroidery, and crochet silk           | 76,540           | 53,471     | 18,429   | 7,098   | 7,466   | 30,253  | 567     | 261     | 89    | 38    | 25    | 94    |
| Fabrics wholly or chiefly of silk—             |                  |            |          |         |         |         |         |         |       |       |       |       |
| Satins and other for shoes                     | 1,000 yds.       | 3,498      | 132      | 65      | 44      | 28      | 30      | 257     | 114   | 76    | 56    | 55    |
| Other broad silks                              | do               |            | 2,462    | 1,609   | 1,473   | 1,033   | 1,033   | 2,108   | 903   | 734   | 840   | 597   |
| Velvets, plushes, and chenilles                | do               |            | 125      | 21      | 20      | 73      | 150     | 101     | 23    | 39    | 93    | 172   |
| Silk and velvet ribbons                        | do               | 3,087      | 1,519    | 1,669   | 1,507   | 1,834   | 2,410   | 172     | 60    | 41    | 47    | 74    |
| Silk wearing apparel—                          |                  |            |          |         |         |         |         |         |       |       |       |       |
| Underwear                                      | number           | 68,167     | 44,645   | 31,145  | 45,913  | 123,171 | 153,557 | 134     | 68    | 41    | 48    | 132   |
| Dresses, skirts, waists, and blouses           | do               | 186,775    | 198,097  | 115,044 | 179,133 | 208,373 | 196,546 | 1,627   | 1,304 | 544   | 729   | 1,006 |
| Hosiery                                        | 1,000 doz. pairs | 835        | 416      | 250     | 245     | 221     | 282     | 8,531   | 3,449 | 1,530 | 1,346 | 1,369 |
| Women's seamless                               | do               | 5 65       | 30       | 15      | 13      | 20      | 23      | 5 520   | 171   | 67    | 51    | 77    |
| Women's full fashioned                         | do               | 5 618      | 342      | 210     | 203     | 183     | 243     | 5 7,328 | 3,080 | 1,374 | 1,221 | 1,537 |
| Children's                                     | do               | 5 11       | 3        | 4       | 2       | 1       |         | 5 41    | 12    | 6     | 3     | 5     |
| Men's socks                                    | do               | 5 119      | 41       | 21      | 23      | 16      | 16      | 5 657   | 186   | 83    | 71    | 61    |
| Other silk wearing apparel                     | do               |            |          |         |         |         |         | 538     | 233   | 86    | 79    | 103   |
| Other silk manufactures                        |                  |            |          |         |         |         | 1,281   | 904     | 496   | 864   | 831   | 823   |
| <b>O. Rayon and other synthetic textiles</b>   |                  |            |          |         |         |         | 6,908   | 3,849   | 2,493 | 2,486 | 4,031 | 4,967 |
| Yarn                                           | 1,000 lbs.       | 313        | 314      | 653     | 1,110   | 2,509   | 2,187   | 442     | 251   | 429   | 1,323 | 1,159 |
| Embroidery, crochet, and knitting thread       | 1,000 lbs.       | 5 15       | 7        | 4       | 2       | 1       | 2       | 5 43    | 14    | 7     | 3     | 3     |
| Tapestry and drapery fabrics                   | 1,000 sq. yds.   | 5 73       | 34       | 17      | 16      | 95      | 33      | 5 66    | 26    | 10    | 18    | 27    |
| Woven dress and piece goods                    | do               | 5 14 4,626 | 14 5,763 | 3,260   | 2,769   | 2,905   | 6,049   | 5 2,152 | 2,065 | 972   | 798   | 1,153 |
| Knit dress and piece goods                     | 1,000 lbs.       |            |          | 21      | 14      | 31      | 40      |         |       | 31    | 17    | 38    |
| Rayon dresses, skirts, waists, and blouses     |                  |            |          |         |         |         |         |         |       |       |       |       |
| Hosiery                                        | 1,000 doz. pairs | 1,036      | 311      | 200     | 140     | 121     | 339     | 3,418   | 749   | 332   | 252   | 253   |
| Women's                                        | do               | 5 459      | 154      | 101     | 71      | 57      | 47      | 5 1,577 | 399   | 220   | 187   | 126   |
| Children's                                     | do               | 5 100      | 27       | 20      | 10      | 7       | 7       | 5 225   | 52    | 30    | 12    | 10    |
| Men's socks                                    | do               | 5 559      | 130      | 79      | 69      | 57      | 66      | 5 1,008 | 298   | 132   | 103   | 117   |
| Knit underwear                                 | dozens           | 32,241     | 56,530   | 41,566  | 44,977  | 47,280  | 64,726  | 248     | 268   | 166   | 153   | 179   |
| Ribbons, braids, fringes, and narrow trimmings | 1,000 yds.       | 5 3,528    | 2,832    | 1,996   | 2,755   | 2,945   | 6,239   | 5 111   | 78    | 52    | 66    | 83    |
| Other synthetic textile manufactures           | do               |            |          |         |         |         |         | 1,377   | 398   | 444   | 612   | 903   |
| <b>P. Miscellaneous textile products</b>       |                  |            |          |         |         |         | 22,388  | 12,449  | 6,410 | 6,101 | 6,662 | 9,426 |
| Linooleum                                      | 1,000 sq. yds.   | 1,192      | 386      | 68      | 78      | 118     | 168     | 809     | 241   | 52    | 55    | 88    |
| Felt base floor coverings                      | do               | 4,225      | 2,671    | 813     | 926     | 1,580   | 2,456   | 1,542   | 787   | 191   | 219   | 399   |
| Oilcloth                                       | do               | 10,085     | 8,058    | 5,278   | 4,835   | 6,088   | 7,013   | 2,214   | 1,205 | 684   | 623   | 923   |
| Window-shade and book cloth                    | do               | 3,042      | 2,196    | 1,454   | 1,845   | 1,387   | 1,352   | 333     | 185   | 235   | 201   | 1,041 |
| Waterproofed auto cloth                        | do               | 1,837      | 241      | 112     |         |         |         | 887     | 130   | 63    |       |       |
| Pyroxylin leather cloth                        | do               |            | 1,281    | 674     |         | 1,063   | 1,194   |         | 644   | 251   | 329   | 393   |
| Other leather cloth                            | do               | 5,162      | 1,268    | 772     | 1,114   | 1,509   | 1,743   | 2,964   | 613   | 282   | 382   | 575   |
| Waterproofed outer garments                    | thousands        | 371        | 320      | 65      | 49      | 134     | 160     | 768     | 594   | 123   | 94    | 211   |

<sup>6</sup> Average for years 1922-30. <sup>7</sup> Average for years 1927-30. <sup>12</sup> Velvet and plush ribbons included with "Velvets, plushes, and chenilles", prior to 1931. <sup>14</sup> 1,000 square yards.



| Group and article                                               | Quantity  |         |        |        |        |        | Value in thousands of dollars |        |        |        |        |        |
|-----------------------------------------------------------------|-----------|---------|--------|--------|--------|--------|-------------------------------|--------|--------|--------|--------|--------|
|                                                                 | 1926-1930 | 1931    | 1932   | 1933   | 1934   | 1935   | 1926-1930                     | 1931   | 1932   | 1933   | 1934   | 1935   |
| <b>GROUP 3.—TEXTILES—Continued</b>                              |           |         |        |        |        |        |                               |        |        |        |        |        |
| <b>P. Miscellaneous textile products—Continued.</b>             |           |         |        |        |        |        |                               |        |        |        |        |        |
| Corsets, brassières, and girdles.....1,000 pieces               | 1,361     | 1,074   | 557    | 558    | 1,032  | 1,292  | 1,845                         | 1,291  | 665    | 566    | 1,103  | 1,130  |
| Pajamas, nightshirts, and gowns.....dozens                      | 15,173    | 18,500  | 10,385 | 8,899  | 7,955  | 9,819  | 167                           | 158    | 73     | 63     | 75     | 88     |
| Hats of straw or fiber and materials                            |           |         |        |        |        |        | 516                           | 498    | 204    | 138    | 231    | 242    |
| Hat braid of straw or other fiber.....1,000 yds.                | 8,194     | 4,757   | 8,107  | 1,987  | 5,063  | 9,347  | 95                            | 107    | 53     | 22     | 43     | 28     |
| Hats of straw, palm leaf, etc.....1,000 hats                    | 599       | 621     | 253    | 288    | 350    | 304    | 419                           | 391    | 181    | 116    | 188    | 214    |
| Hats and caps, except straw or other fiber                      |           |         |        |        |        |        |                               |        |        |        |        |        |
| Men's and boys' fur-felt hats.....thousands                     | 381       | 166     | 97     | 67     | 53     | 56     | 1,744                         | 659    | 324    | 186    | 134    | 143    |
| Women's and children's fur-felt hats.....do                     | 64        | 62      | 22     | 31     | 19     | 32     | 189                           | 130    | 45     | 34     | 46     | 64     |
| Wool-felt hats.....do                                           | 271       | 145     | 68     | 89     | 106    | 77     | 289                           | 146    | 52     | 56     | 69     | 85     |
| Other hats and caps.....do                                      | 1,039     | 747     | 479    | 644    | 705    | 604    | 776                           | 358    | 194    | 236    | 305    | 317    |
| Hat trimmings, artificial flowers, etc.                         |           |         |        |        |        |        | 373                           | 167    | 87     | 83     | 132    | 168    |
| Mattresses, cotton, kapok, moss, hair number                    | 25,248    | 15,984  | 9,464  | 6,009  | 8,138  | 10,314 | 173                           | 97     | 52     | 50     | 86     | 114    |
| Absorbent cotton, gauze, and sterilized bandages.....1,000 lbs. | 3,410     | 3,080   | 2,963  | 2,161  | 2,246  | 2,367  | 2,278                         | 1,512  | 1,273  | 992    | 1,118  | 1,166  |
| Elastic webbing.....1,000 yds.                                  | 31,681    | 19,175  | 15,815 | 10,296 | 15,828 | 18,782 | 1,278                         | 675    | 379    | 353    | 638    | 793    |
| Garters and arm bands.....1,000 doz. prs.                       | 623       | 121     | 47     | 41     | 37     | 29     | 775                           | 196    | 74     | 50     | 62     | 46     |
| Suspenders and braces.....dozens                                | 25,649    | 7,339   | 4,413  | 5,227  | 9,653  | 11,864 | 87                            | 25     | 14     | 15     | 38     | 42     |
| Other textile manufactures                                      |           |         |        |        |        |        | 2,730                         | 1,900  | 1,153  | 1,336  | 1,858  | 1,768  |
| <b>GROUP 4.—WOOD AND PAPER</b>                                  |           |         |        |        |        |        |                               |        |        |        |        |        |
| Total                                                           |           |         |        |        |        |        | 188,694                       | 97,537 | 57,500 | 66,145 | 90,007 | 92,281 |
| <b>A. Wood unmanufactured</b>                                   |           |         |        |        |        |        |                               |        |        |        |        |        |
| Logs and hewn timber—                                           |           |         |        |        |        |        | 12,841                        | 6,311  | 2,990  | 3,389  | 5,955  | 5,982  |
| Hardwoods.....1,000 ft. b. m.                                   | 16,358    | 19,149  | 18,565 | 18,043 | 16,805 | 16,383 | 1,160                         | 769    | 523    | 488    | 846    | 996    |
| Ash and hickory.....do                                          | 4,931     | 3,608   | 3,566  | 2,702  | 3,313  | 3,338  | 295                           | 183    | 184    | 143    | 188    | 175    |
| Walnut.....do                                                   | 1,680     | 387     | 246    | 332    | 243    | 887    | 356                           | 151    | 65     | 87     | 101    | 237    |
| Other hard woods.....do                                         | 10,358    | 15,254  | 14,753 | 15,009 | 13,249 | 12,158 | 647                           | 435    | 274    | 258    | 577    | 584    |
| Softwoods—                                                      |           |         |        |        |        |        |                               |        |        |        |        |        |
| Southern pine.....do                                            | 6,352     | 762     | 371    | 151    | 401    | 116    | 263                           | 30     | 9      | 6      | 17     | 5      |
| Douglas fir.....do                                              | 39,258    | 23,135  | 9,870  | 38,491 | 82,282 | 85,953 | 567                           | 258    | 117    | 414    | 917    | 759    |
| Cedar.....do                                                    | 175,861   | 115,972 | 34,943 | 38,599 | 46,602 | 47,917 | 4,027                         | 2,162  | 606    | 654    | 773    | 793    |
| Hemlock.....do                                                  |           | 63,477  | 54,767 | 54,044 | 63,361 | 89,690 |                               | 638    | 470    | 476    | 501    | 704    |
| Other soft woods.....do                                         | 98,625    | 43,916  | 18,967 | 19,034 | 31,701 | 47,623 | 1,371                         | 449    | 188    | 199    | 361    | 450    |
| Railroad ties.....thousands                                     | 3,637     | 2,132   | 1,093  | 2,013  | 3,255  | 2,623  | 3,323                         | 1,367  | 573    | 833    | 1,773  | 1,522  |
| Hardwood.....do                                                 | 291       | 43      | 35     | 6      | 11     | 70     | 271                           | 46     |        | 8      | 12     | 78     |
| Softwood.....do                                                 | 2,529     | 1,640   | 845    | 1,761  | 2,604  | 2,088  | 1,938                         | 657    | 291    | 567    | 1,075  | 909    |
| Cresototed or otherwise preserved.....do                        | 817       | 649     | 213    | 287    | 640    | 465    | 1,114                         | 664    | 235    | 287    | 685    | 536    |

|                                                   |                 |           |           |         |         |           |         |         |        |        |        |        |        |
|---------------------------------------------------|-----------------|-----------|-----------|---------|---------|-----------|---------|---------|--------|--------|--------|--------|--------|
| Piling.....                                       | 1,000 lin. ft.  | 5,389     | 3,213     | 3,747   | 2,041   | 5,134     | 4,213   | 1,349   | 351    | 411    | 252    | 665    | 609    |
| Telegraph, trolley, and electric-light poles      | number          | 112,177   | 33,157    | 18,912  | 9,141   | 15,960    | 14,614  | 579     | 197    | 35     | 29     | 100    | 59     |
| Firewood and other unmfr'd.....                   | 1,000 cu. ft.   | 2,838     | 2,173     | 1,334   | 850     | 1,849     | 1,933   | 201     | 90     | 60     | 28     | 82     | 86     |
| <b>B. Wood, semimanufactures—sawmill products</b> |                 |           |           |         |         |           |         | 100,571 | 45,070 | 26,281 | 32,375 | 42,777 | 41,103 |
| Sawed timber.....                                 | 1,000 ft. b. m. | 689,323   | 407,290   | 295,409 | 319,782 | 314,707   | 319,492 | 17,685  | 7,510  | 4,322  | 4,980  | 7,037  | 7,015  |
| Softwoods—                                        |                 |           |           |         |         |           |         |         |        |        |        |        |        |
| Southern pine.....                                | do              | 145,719   | 88,243    | 66,022  | 76,510  | 88,534    | 88,135  | 6,256   | 3,274  | 2,020  | 2,443  | 3,946  | 3,941  |
| Douglas fir.....                                  | do              | 505,683   | 302,939   | 222,532 | 239,491 | 221,462   | 224,794 | 10,150  | 3,861  | 2,077  | 2,362  | 2,871  | 2,816  |
| Cedar.....                                        | do              | 7,440     | 203       | 1,010   | 807     | 607       | 1,336   | 274     | 9      | 53     | 44     | 28     | 69     |
| Hemlock.....                                      | do              |           | 10,354    | 1,094   | 483     | 601       | 2,050   |         | 172    | 20     | 8      | 8      | 23     |
| Other softwoods.....                              | do              | 24,327    | 2,498     | 1,403   | 470     | 621       | 1,515   | 616     | 58     | 35     | 25     | 26     | 71     |
| Hardwoods.....                                    | do              | 1,573     | 864       | 352     | 285     | 433       | 419     | 103     | 45     | 19     | 13     | 18     | 22     |
| Cresosoted or otherwise preserved—                |                 |           |           |         |         |           |         |         |        |        |        |        |        |
| Southern pine.....                                | do              | 3,371     | 1,379     | 1,789   | 1,586   | 1,800     | 895     | 223     | 66     | 85     | 80     | 106    | 54     |
| Other sawed timber.....                           | do              | 1,209     | 810       | 257     | 130     | 599       | 348     | 63      | 26     | 13     | 5      | 33     | 18     |
| Boards, planks, and scantling.....                | do              | 2,129,848 | 1,238,854 | 836,731 | 948,274 | 1,015,486 | 970,034 | 82,171  | 37,285 | 21,874 | 27,244 | 35,667 | 34,082 |
| Softwoods.....                                    | do              | 1,714,385 | 921,301   | 603,099 | 662,763 | 741,035   | 676,431 | 54,703  | 21,105 | 12,275 | 14,688 | 20,699 | 19,216 |
| Cypress.....                                      | do              | 8,815     | 4,479     | 2,547   | 3,764   | 4,611     | 4,643   | 517     | 221    | 122    | 179    | 254    | 242    |
| Douglas fir.....                                  | do              | 739,142   | 481,294   | 273,126 | 335,013 | 369,940   | 296,445 | 16,157  | 7,366  | 3,505  | 4,814  | 6,595  | 5,545  |
| Rough.....                                        | do              | 684,348   | 410,930   | 241,237 | 301,968 | 322,505   | 267,833 | 14,645  | 6,233  | 3,080  | 4,327  | 5,721  | 4,902  |
| Dressed.....                                      | do              | 54,793    | 70,364    | 31,889  | 33,045  | 47,435    | 28,482  | 1,512   | 1,133  | 425    | 487    | 874    | 640    |
| Southern pine.....                                | do              | 636,171   | 310,130   | 262,554 | 263,823 | 293,601   | 288,230 | 26,789  | 10,125 | 6,843  | 7,860  | 11,151 | 10,145 |
| Rough.....                                        | do              | 553,836   | 272,666   | 230,894 | 228,790 | 251,043   | 250,652 | 23,332  | 8,908  | 5,985  | 6,805  | 9,607  | 8,809  |
| Dressed.....                                      | do              | 82,535    | 37,464    | 31,660  | 35,033  | 42,558    | 37,578  | 3,457   | 1,217  | 858    | 1,056  | 1,544  | 1,336  |
| White, western, and sugar pine.....               | do              | 34,402    | 24,079    | 14,353  | 17,358  | 26,408    | 36,463  | 1,958   | 916    | 519    | 663    | 1,101  | 1,440  |
| Cedar.....                                        | do              | 7,17,801  | 9,074     | 4,267   | 5,023   | 5,278     | 3,874   | 7,870   | 459    | 106    | 187    | 244    | 196    |
| Redwood.....                                      | do              | 62,798    | 6,999     | 8,219   | 14,185  | 18,611    | 19,550  | 2,957   | 347    | 311    | 435    | 793    | 901    |
| Spruce.....                                       | do              | 26,455    | 12,033    | 8,301   | 7,613   | 8,410     | 11,090  | 1,212   | 540    | 451    | 302    | 388    | 530    |
| Hemlock.....                                      | do              | 186,451   | 71,020    | 29,287  | 16,825  | 11,936    | 16,098  | 3,729   | 1,094  | 354    | 181    | 168    | 218    |
| Other softwoods.....                              | do              | 16,910    | 2,193     | 145     | 154     | 180       | 38      | 381     | 66     | 3      | 8      | 1      | 1      |
| Hardwoods.....                                    | do              | 415,459   | 317,555   | 233,632 | 285,511 | 274,450   | 293,603 | 27,407  | 16,182 | 9,599  | 12,556 | 14,968 | 14,816 |
| Ash.....                                          | do              | 30,744    | 30,043    | 27,849  | 35,995  | 44,381    | 36,813  | 2,102   | 1,555  | 1,046  | 1,441  | 2,276  | 1,581  |
| Birch, beech, maple.....                          | do              | 9,114     | 3,355     | 1,425   | 1,204   | 1,574     | 1,913   | 581     | 174    | 65     | 59     | 92     | 121    |
| Chestnut.....                                     | do              | 9,352     | 5,908     | 2,312   | 2,332   | 3,931     | 2,321   | 4,498   | 264    | 103    | 65     | 156    | 97     |
| Cottonwood.....                                   | do              | 4,4,419   | 1,764     | 1,114   | 1,564   | 1,856     | 1,874   | 5,238   | 76     | 47     | 75     | 84     | 75     |
| Gum.....                                          | do              | 55,430    | 39,656    | 28,776  | 36,996  | 33,000    | 33,642  | 2,700   | 1,433  | 842    | 1,142  | 1,363  | 1,187  |
| Red and sap.....                                  | do              | 7,45,624  | 33,551    | 22,960  | 25,917  | 23,833    | 22,935  | 7,273   | 1,246  | 680    | 845    | 1,023  | 869    |
| Pupelo and black.....                             | do              | 7,5,904   | 6,005     | 5,810   | 11,079  | 9,167     | 10,604  | 7,234   | 187    | 156    | 297    | 341    | 328    |
| Hickory.....                                      | do              | 4,061     | 1,871     | 1,866   | 2,969   | 3,879     | 4,020   | 387     | 187    | 182    | 237    | 349    | 395    |
| Oak.....                                          | do              | 208,742   | 175,848   | 127,888 | 143,717 | 130,032   | 141,070 | 13,027  | 8,354  | 5,009  | 6,563  | 6,356  | 6,745  |
| Poplar.....                                       | do              | 34,839    | 21,073    | 16,205  | 21,979  | 23,903    | 26,654  | 2,174   | 972    | 616    | 1,123  | 1,187  | 1,187  |

<sup>1</sup> Average for years 1923-30.

<sup>2</sup> Average for years 1929 and 1930.

<sup>3</sup> Average for years 1927-30.

| Group and article                                 | Quantity    |            |           |         |         |         | Value in thousands of dollars |         |        |         |         |         |
|---------------------------------------------------|-------------|------------|-----------|---------|---------|---------|-------------------------------|---------|--------|---------|---------|---------|
|                                                   | 1926-1930   | 1931       | 1932      | 1933    | 1934    | 1935    | 1926-1930                     | 1931    | 1932   | 1933    | 1934    | 1935    |
| <b>GROUP 4.—WOOD AND PAPER—Continued</b>          |             |            |           |         |         |         |                               |         |        |         |         |         |
| <b>B. Wood, semimanufactures, etc.—Continued.</b> |             |            |           |         |         |         |                               |         |        |         |         |         |
| <b>Boards, planks, and scantling—Continued.</b>   |             |            |           |         |         |         |                               |         |        |         |         |         |
| <b>Hardwoods—Continued.</b>                       |             |            |           |         |         |         |                               |         |        |         |         |         |
| Walnut.....1,000 ft. b. m.                        | 11, 128     | 8, 792     | 5, 476    | 5, 684  | 6, 783  | 6, 830  | 1, 417                        | 784     | 414    | 438     | 631     | 656     |
| Mahogany.....do.                                  | 15, 964     | 7, 534     | 3, 285    | 3, 043  | 3, 038  | 3, 942  | 2, 341                        | 939     | 392    | 390     | 523     | 635     |
| Magnolia.....do.                                  |             | 4, 551     | 4, 866    | 7, 600  | 6, 989  | 7, 384  |                               | 187     | 167    | 297     | 358     | 342     |
| Wagon-oak planks.....do.                          | 7, 850      | 5, 944     | 4, 450    | 5, 832  | 10, 032 | 11, 992 |                               | 482     | 323    | 202     | 568     | 647     |
| Small dimension stock.....do.                     | 4, 032      | 6, 723     | 4, 984    | 6, 600  | 9, 416  | 8, 164  |                               | 436     | 651    | 361     | 463     | 775     |
| Other hardwoods.....do.                           | 21, 531     | 5, 086     | 3, 067    | 3, 951  | 5, 469  | 7, 084  | 1, 180                        | 282     | 153    | 175     | 292     | 376     |
| Other sawed lumber.....do.                        | 5, 541      | 2, 424     | 890       |         |         |         | 245                           | 117     | 38     |         |         |         |
| Lath.....thousands                                | 36, 443     | 22, 436    | 11, 387   | 10, 164 | 6, 623  | 4, 808  | 163                           | 46      | 21     | 14      | 12      | 15      |
| Shingles.....squares                              | 16 102, 535 | 15 50, 764 | 15 8, 059 | 15, 408 | 17, 274 | 10, 851 | 308                           | 111     | 26     | 37      | 61      | 41      |
| <b>C. Wood manufactures</b>                       |             |            |           |         |         |         | 36, 857                       | 19, 177 | 9, 784 | 11, 579 | 13, 704 | 14, 234 |
| <b>Cooperage</b>                                  |             |            |           |         |         |         | 9, 373                        | 4, 136  | 2, 354 | 2, 831  | 3, 543  | 4, 558  |
| Staves.....thousands                              | 74, 549     | 38, 943    | 29, 988   | 31, 817 | 32, 250 | 29, 012 | 4, 246                        | 1, 892  | 1, 150 | 1, 619  | 2, 037  | 1, 556  |
| Tight staves.....do.                              | 31, 283     | 18, 276    | 17, 447   | 20, 709 | 22, 312 | 21, 239 | 3, 635                        | 1, 674  | 1, 043 | 1, 517  | 1, 915  | 1, 447  |
| Slack staves.....do.                              | 43, 266     | 20, 667    | 12, 541   | 11, 108 | 9, 938  | 7, 772  | 612                           | 218     | 107    | 102     | 123     | 108     |
| Heading.....1,000 sets                            | 3, 733      | 2, 237     | 1, 603    | 1, 219  | 1, 282  | 1, 261  | 748                           | 327     | 268    | 295     | 361     | 363     |
| Tight heading.....do.                             | 1, 377      | 733        | 779       | 800     | 945     | 991     | 554                           | 240     | 221    | 266     | 326     | 338     |
| Slack heading.....do.                             | 2, 355      | 1, 504     | 824       | 419     | 337     | 270     | 194                           | 87      | 47     | 30      | 35      | 25      |
| <b>Cooperage shooks—</b>                          |             |            |           |         |         |         |                               |         |        |         |         |         |
| Tight.....do.                                     | 1, 631      | 617        | 314       | 425     | 362     | 948     | 3, 179                        | 1, 531  | 749    | 741     | 734     | 1, 918  |
| Slack.....do.                                     | 693         | 428        | 161       | 154     | 335     | 261     | 426                           | 237     | 80     | 73      | 166     | 146     |
| Tight empty barrels, casks, hogsheads             |             |            |           |         |         |         |                               |         |        |         |         |         |
| thousands                                         | 333         | 139        | 58        | 56      | 133     | 368     | 774                           | 249     | 107    | 102     | 244     | 575     |
| <b>Box shooks—</b>                                |             |            |           |         |         |         |                               |         |        |         |         |         |
| Southern pine.....1,000 bd. ft.                   | 13, 037     | 10, 172    | 7, 079    | 1, 740  | 404     | 2, 704  | 827                           | 433     | 237    | 58      | 20      | 116     |
| Hemlock.....do.                                   | 59, 233     | 14, 351    | 5, 537    | 2, 084  | 7, 591  | 4, 959  | 1, 721                        | 410     | 142    | 33      | 161     | 110     |
| Spruce.....do.                                    | 3, 156      | 1, 169     | 776       |         |         |         | 111                           | 39      | 33     |         |         |         |
| Gum.....do.                                       | 5, 084      | 1, 968     | 903       | 997     | 1, 293  | 1, 447  | 5 276                         | 88      | 39     | 43      | 67      | 77      |
| Other.....do.                                     | 21, 868     | 10, 934    | 3, 006    | 1, 306  | 1, 683  | 2, 770  | 1, 009                        | 440     | 84     | 43      | 77      | 107     |
| Veneers.....1,000 sq. ft.                         | 79, 805     | 54, 335    | 32, 934   | 23, 363 | 37, 261 | 50, 448 | 2, 087                        | 1, 147  | 557    | 461     | 723     | 832     |
| Veneer packages for fruit and vegetables          |             |            |           |         |         |         | 5 100                         | 44      | 51     | 144     | 295     | 263     |
| Plywood.....1,000 sq. ft.                         | 27, 059     | 33, 531    | 31, 736   | 68, 114 | 61, 422 | 40, 845 | 1, 200                        | 1, 085  | 755    | 1, 590  | 1, 700  | 1, 295  |
| Hardwood flooring.....1,000 ft. b. m.             | 12, 475     | 13, 892    | 5, 654    | 7, 079  | 7, 569  | 11, 988 | 846                           | 801     | 299    | 418     | 566     | 796     |
| Doors.....thousands                               | 1, 914      | 1, 987     | 1, 010    | 2, 092  | 1, 476  | 547     | 3, 411                        | 2, 719  | 1, 023 | 2, 015  | 1, 678  | 672     |
| Sash and blinds.....do.                           | 87          | 55         | 27        | 19      | 13      | 24      | 181                           | 100     | 48     | 38      | 36      | 53      |
| Trimnings and moldings n. e. s. 1,000 lin. ft.    | 9, 164      | 8, 272     | 5, 601    | 3, 555  | 4, 000  | 4, 456  | 267                           | 171     | 80     | 57      | 70      | 91      |
| Other millwork and house fixtures                 |             |            |           |         |         |         | 5 300                         | 160     | 52     | 44      | 45      | 103     |
| Cane and reed manufactures, n. e. s.              |             |            |           |         |         |         | 239                           | 56      | 35     |         |         |         |



| Group and article                                                                                       | Quantity  |        |        |        |        |        | Value in thousands of dollars |         |         |         |         |         |
|---------------------------------------------------------------------------------------------------------|-----------|--------|--------|--------|--------|--------|-------------------------------|---------|---------|---------|---------|---------|
|                                                                                                         | 1926-1930 | 1931   | 1932   | 1933   | 1934   | 1935   | 1926-1930                     | 1931    | 1932    | 1933    | 1934    | 1935    |
| <b>GROUP 4.—WOOD AND PAPER—Continued</b>                                                                |           |        |        |        |        |        |                               |         |         |         |         |         |
| <b>F. Paper and manufactures—Continued.</b>                                                             |           |        |        |        |        |        |                               |         |         |         |         |         |
| Filing folders, index cards, and other office forms.....1,000 lbs.                                      | 1,324     | 1,300  | 972    | 843    | 877    | 869    | 456                           | 438     | 311     | 272     | 307     | 290     |
| Papeteries (fancy writing paper).....do                                                                 | 734       | 273    | 193    | 128    | 186    | 249    | 190                           | 70      | 45      | 29      | 45      | 56      |
| Other writing paper.....do                                                                              | 19,705    | 14,665 | 12,529 | 13,527 | 18,514 | 24,493 | 2,288                         | 1,309   | 859     | 884     | 1,265   | 1,653   |
| Paper hangings (wall paper).....1,000 rolls                                                             | 3,227     | 2,363  | 766    | 781    | 800    | 1,002  | 573                           | 288     | 80      | 64      | 89      | 106     |
| Paper bags.....1,000 lbs.                                                                               | 11,049    | 11,894 | 8,571  | 10,948 | 13,457 | 13,682 | 940                           | 827     | 485     | 530     | 744     | 753     |
| Boxes and cartons.....do                                                                                | 24,562    | 14,482 | 11,180 | 6,929  | 9,763  | 10,894 | 1,645                         | 932     | 628     | 444     | 634     | 667     |
| Envelopes.....do                                                                                        | 2,459     | 1,546  | 1,063  | 921    | 877    | 856    | 423                           | 237     | 149     | 129     | 146     | 144     |
| Vulcanized fiber sheets, strips, rods, and tubes.....1,000 lbs.                                         | 5,172     | 3,454  | 2,246  | 2,801  | 3,546  | 3,677  | 1,387                         | 962     | 666     | 727     | 951     | 1,006   |
| Cash-register and adding-machine paper.....do                                                           | 3,524     | 8,798  | 4,898  | 2,571  | 3,196  | 3,483  | 347                           | 666     | 355     | 203     | 246     | 262     |
| Other paper and paper products.....do                                                                   |           |        |        |        |        |        | 5,006                         | 3,147   | 2,112   | 1,870   | 2,229   | 2,714   |
| <b>GROUP 5.—NONMETALLIC MINERALS</b>                                                                    |           |        |        |        |        |        |                               |         |         |         |         |         |
| Total.....do                                                                                            |           |        |        |        |        |        | 706,964                       | 373,914 | 277,834 | 270,820 | 321,853 | 340,012 |
| <b>A. Coal and related fuels.....1,000 tons of 2,240 lbs.</b>                                           |           |        |        |        |        |        |                               |         |         |         |         |         |
| Coal.....do                                                                                             | 22,239    | 13,088 | 9,597  | 9,562  | 11,704 | 10,883 | 121,800                       | 64,542  | 44,543  | 40,409  | 56,884  | 62,014  |
| Anthracite.....do                                                                                       | 2,973     | 1,588  | 1,164  | 924    | 1,159  | 1,436  | 32,750                        | 17,062  | 12,064  | 9,040   | 11,082  | 13,186  |
| Bituminous.....do                                                                                       | 18,349    | 10,827 | 7,870  | 8,069  | 9,704  | 8,699  | 82,308                        | 43,396  | 29,688  | 28,572  | 40,382  | 35,238  |
| Fuel or bunker coal for vessels in foreign trade (not included in exports).....1,000 tons of 2,240 lbs. | 4,563     | 1,960  | 1,204  | 1,175  | 1,179  | 1,407  | 23,126                        | 9,639   | 5,534   | 5,241   | 5,798   | 7,358   |
| Coals.....do                                                                                            | 916       | 673    | 563    | 569    | 842    | 548    | 6,743                         | 4,085   | 2,791   | 2,797   | 5,420   | 3,590   |
| <b>B. Petroleum and products.....do</b>                                                                 |           |        |        |        |        |        |                               |         |         |         |         |         |
| Petroleum, crude.....1,000 bbls. of 42 gals.                                                            | 20,062    | 25,535 | 27,391 | 36,584 | 41,127 | 51,430 | 30,236                        | 20,828  | 27,106  | 31,979  | 49,756  | 61,178  |
| Natural gasoline.....do                                                                                 |           |        | 308    | 1,657  | 1,495  | 1,645  |                               |         | 553     | 3,395   | 2,729   | 3,335   |
| Refined oils.....do                                                                                     | 119,700   | 91,009 | 69,348 | 61,419 | 64,750 | 67,832 | 464,733                       | 232,294 | 163,139 | 151,269 | 159,521 | 169,897 |
| Gasoline, naphtha, and other finished light products.....1,000 bbls. of 42 gals.                        | 52,154    | 43,787 | 33,823 | 25,996 | 21,566 | 26,955 | 244,577                       | 109,301 | 79,081  | 57,520  | 51,233  | 64,291  |
| Illuminating oil.....do                                                                                 | 19,945    | 12,534 | 10,867 | 8,764  | 9,007  | 6,462  | 84,049                        | 34,796  | 23,732  | 19,209  | 20,792  | 15,196  |
| Gas and distillate fuel oil.....do                                                                      |           |        | 8,118  | 10,232 | 13,398 | 14,645 |                               |         | 9,295   | 12,348  | 17,885  | 17,886  |
| Residual fuel oil.....do                                                                                | 37,429    | 26,588 | 9,713  | 8,223  | 12,579 | 11,395 | 42,278                        | 23,966  | 6,877   | 5,962   | 10,459  | 9,582   |
| Fuel or bunker oil for vessels in foreign trade (not included in exports).....1,000 bbls. of 42 gals.   | 50,198    | 43,714 | 38,162 | 32,272 | 29,899 | 30,304 | 62,345                        | 38,845  | 29,392  | 27,103  | 31,864  | 29,925  |
| Lubricating oil.....do                                                                                  | 10,017    | 7,994  | 6,731  | 8,117  | 7,510  | 8,354  | 91,733                        | 62,966  | 48,281  | 55,389  | 53,234  | 61,751  |
| Red and pale.....do                                                                                     | 6,241     | 4,870  | 4,145  | 4,966  | 4,664  | 5,035  | 51,436                        | 35,747  | 27,478  | 31,115  | 32,278  | 33,561  |
| Black.....do                                                                                            | 833       | 685    | 478    | 519    | 434    | 601    | 4,194                         | 2,435   | 1,648   | 1,736   | 1,834   | 2,319   |
| Cylinder.....do                                                                                         | 2,943     | 2,489  | 2,108  | 2,626  | 2,413  | 2,817  | 36,103                        | 24,804  | 19,155  | 22,534  | 24,123  | 25,871  |
| Mineral spirits (substitute for turpentine).....1,000 bbls. of 42 gals.                                 | 55        | 51     | 45     | 57     | 46     | 75     | 495                           | 408     | 277     | 327     | 284     | 404     |

|                                                                         |          |          |          |          |          |          |         |        |        |        |        |        |
|-------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|---------|--------|--------|--------|--------|--------|
| Insulating or transformer oils.....do.....                              | 86       | 48       | 47       | 32       | 38       | 34       | 1,042   | 502    | 411    | 327    | 366    | 336    |
| Light lubricating oils in small packages<br>1,000 bbls. of 42 gals..... | 14       | 7        | 4        | 4        | 7        | 12       | 560     | 334    | 185    | 186    | 269    | 451    |
| Lubricating greases.....1,000 lbs.....                                  | 104, 129 | 74, 081  | 64, 768  | 73, 362  | 83, 500  | 94, 547  | 5, 523  | 3, 542 | 2, 788 | 2, 954 | 3, 651 | 4, 002 |
| Paraffin wax.....do.....                                                | 336, 174 | 290, 484 | 235, 264 | 248, 274 | 193, 243 | 229, 864 | 15, 077 | 8, 425 | 6, 267 | 6, 979 | 7, 833 | 7, 829 |
| Unrefined.....do.....                                                   | 78, 695  | 90, 681  | 77, 605  | 96, 906  | 85, 390  | 92, 192  | 2, 935  | 2, 132 | 1, 709 | 2, 352 | 3, 093 | 2, 713 |
| Refined.....do.....                                                     | 257, 478 | 199, 908 | 157, 659 | 151, 367 | 113, 853 | 137, 673 | 12, 143 | 6, 293 | 4, 558 | 4, 627 | 4, 740 | 4, 917 |
| Petroleum asphalt.....tons of 2, 240 lbs.....                           | 341, 746 | 257, 231 | 183, 934 | 182, 171 | 199, 916 | 198, 951 | 7, 424  | 4, 941 | 3, 168 | 2, 861 | 3, 383 | 3, 371 |
| Petroleum coke.....do.....                                              | 102, 335 | 49, 979  | 79, 777  | 169, 991 | 102, 025 | 119, 228 | 1, 045  | 395    | 380    | 580    | 663    | 916    |
| Residuum including road oil<br>1,000 bbls. of 42 gals.....              | 100      | 21       |          |          |          |          | 325     | 76     |        |        |        |        |
| <b>C. Stone, sand, cement, and lime</b>                                 |          |          |          |          |          |          |         |        |        |        |        |        |
| Marble in blocks, rough or dressed.....cu. ft.....                      | 75, 805  | 32, 443  | 30, 691  | 11, 585  | 11, 475  | 13, 466  | 5, 871  | 2, 792 | 1, 532 | 1, 934 | 1, 885 | 1, 660 |
| Roofing slate.....squares.....                                          | 8, 062   | 4, 174   | 1, 792   | 1, 155   | 1, 128   | 1, 390   | 303     | 141    | 100    | 46     | 45     | 55     |
| Other building or monumental stone<br>1,000 cu. ft.....                 | 584      | 284      | 73       | 30       | 48       | 87       | 87      | 45     | 12     | 7      | 10     | 11     |
| Other manufactures of stone.....                                        |          |          |          |          |          |          | 607     | 209    | 76     | 36     | 40     | 62     |
| Sand and gravel.....1,000 tons of 2, 240 lbs.....                       | 427      | 195      | 86       | 74       | 30       | 33       | 1, 166  | 628    | 274    | 245    | 355    | 428    |
| Cement, hydraulic.....1,000 bbls. of.....                               | 851      | 480      | 375      | 680      | 566      | 479      | 637     | 418    | 212    | 55     | 42     | 26     |
| Lime.....do.....                                                        | 187      | 119      | 36       | 37       | 38       | 39       | 2, 854  | 1, 221 | 802    | 1, 488 | 1, 333 | 1, 013 |
|                                                                         |          |          |          |          |          |          | 216     | 130    | 56     | 68     | 60     | 64     |
| <b>D. Glass and glass products</b>                                      |          |          |          |          |          |          |         |        |        |        |        |        |
| Plate and window glass.....                                             |          |          |          |          |          |          | 9, 642  | 6, 897 | 4, 067 | 4, 305 | 5, 894 | 7, 410 |
| Window glass, common.....box, 50 sq. ft.....                            | 20, 364  | 8, 486   | 2, 520   |          |          |          | 116     | 41     | 15     |        |        |        |
| Plate glass unsilvered.....1,000 sq. ft.....                            | 1, 924   | 3, 708   | 2, 925   | 3, 831   | 4, 292   | 5, 279   | 610     | 1, 115 | 813    | 1, 170 | 1, 271 | 1, 497 |
| Other window and plate glass.....1,000 lbs.....                         | 4, 268   | 2, 859   | 991      | 1, 366   | 3, 217   | 4, 333   | 420     | 204    | 130    | 154    | 219    | 377    |
| Glass containers (bottles, vials, and jars).....                        |          |          |          |          |          |          | 3, 252  | 2, 087 | 1, 106 | 1, 519 | 1, 519 | 2, 105 |
| Table glassware, plain.....                                             |          |          |          |          |          |          | 1, 442  | 877    | 483    | 405    | 759    | 950    |
| Table and other glassware, cut or engraved.....                         |          |          |          |          |          |          | 136     | 80     | 36     | 19     | 36     | 46     |
| Lamp chimneys and lantern globes.....1,000 lbs.....                     | 1, 662   |          |          |          |          |          | 328     | 83     | 54     | 54     | 98     | 79     |
| Globes and shades for lighting fixtures.....do.....                     | 1, 785   |          |          |          |          |          | 637     | 410    | 203    | 154    | 218    | 271    |
| Chemical glassware.....do.....                                          | 246      | 160      | 118      | 134      | 215      | 241      | 216     | 152    | 100    | 116    | 179    | 203    |
| Glass electric insulators.....do.....                                   | 4, 037   | 1, 330   | 822      | 731      | 839      | 1, 570   | 358     | 86     | 42     | 38     | 57     | 91     |
| Other glassware.....                                                    |          |          |          |          |          |          | 2, 127  | 1, 672 | 1, 076 | 1, 079 | 1, 539 | 1, 791 |
| <b>E. Clays and clay products</b>                                       |          |          |          |          |          |          |         |        |        |        |        |        |
| Clays.....                                                              |          |          |          |          |          |          | 9, 857  | 6, 364 | 3, 253 | 3, 803 | 5, 724 | 6, 468 |
| Fire clay.....tons of 2, 240 lbs.....                                   | 52, 714  | 40, 459  | 19, 720  | 28, 957  | 32, 190  | 44, 697  | 469     | 329    | 228    | 265    | 308    | 381    |
| Other clays.....do.....                                                 | 54, 495  | 54, 812  | 52, 922  | 59, 012  | 75, 236  | 90, 646  | 898     | 916    | 827    | 970    | 1, 148 | 1, 484 |
| Pottery.....                                                            |          |          |          |          |          |          |         |        |        |        |        |        |
| China and porcelain ware.....                                           |          |          |          |          |          |          | 174     | 92     | 46     | 57     | 74     | 104    |
| Table, toilet, or kitchen ware.....                                     |          |          |          |          |          |          |         |        |        |        |        |        |
| Electrical porcelain.....                                               |          |          |          |          |          |          |         |        |        |        |        |        |
| For less than 6,600 volts.....1,000 lbs.....                            | 5, 069   | 1, 980   | 599      | 535      | 826      | 933      | 701     | 241    | 84     | 95     | 143    | 150    |
| For 6,600 volts and over.....do.....                                    | 4, 637   | 5, 835   | 1, 435   | 1, 414   | 2, 651   | 2, 886   | 772     | 907    | 205    | 166    | 313    | 352    |
| Other china and porcelain ware.....                                     |          |          |          |          |          |          | 173     | 116    | 113    | 125    | 151    | 182    |
| Water-closet sets.....                                                  |          |          |          |          |          |          | 223     | 150    | 223    | 283    | 383    | 383    |
| Other earthenware plumbing fixtures.....                                |          |          |          |          |          |          | 1, 954  | 255    | 167    | 147    | 243    | 302    |
| Other earthen, stone, and crockery ware.....                            |          |          |          |          |          |          | 846     | 216    | 96     | 142    | 161    | 184    |
| Crucibles, clay and graphite.....1,000 pieces.....                      | 542      | 350      |          |          |          |          | 119     | 66     |        |        |        |        |

\* 1930 only.

14 Of 376 pounds.

17 Of 200 pounds.

| Group and article                                                           | Quantity      |               |               |               |               |               | Value in thousands of dollars |       |       |       |       |       |
|-----------------------------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------------------------|-------|-------|-------|-------|-------|
|                                                                             | 1926-1930     | 1931          | 1932          | 1933          | 1934          | 1935          | 1926-1930                     | 1931  | 1932  | 1933  | 1934  | 1935  |
| <b>GROUP 5.—NONMETALLIC MINERALS—Continued</b>                              |               |               |               |               |               |               |                               |       |       |       |       |       |
| <b>E. Clays and clay products—Continued.</b>                                |               |               |               |               |               |               |                               |       |       |       |       |       |
| Bricks and tiles—                                                           |               |               |               |               |               |               |                               |       |       |       |       |       |
| Fire-clay bricks.....thousands                                              | 27,937        | 17,526        | 7,551         | 8,928         | 16,526        | 16,037        | 825                           | 832   | 465   | 531   | 1,005 | 1,093 |
| Other refractory bricks.....do                                              | 15,376        | 4,739         | 2,951         | 4,122         | 6,250         | 5,734         | 1,443                         | 491   | 254   | 381   | 718   | 624   |
| Other refractory shapes.....1,000 lbs                                       | 53,330        | 15,937        | 8,537         | 11,222        | 18,355        | 20,698        | 1,264                         | 476   | 286   | 393   | 717   | 743   |
| Building bricks and hollow tile.....thousands                               | 14,211        | 11,691        | 1,812         | 642           | 1,561         | 1,529         | 311                           | 320   | 48    | 18    | 31    | 32    |
| Wall and floor tiles.....1,000 sq. ft.                                      | 3,243         | 780           | 336           | 324           | 704           | 549           | 430                           | 276   | 96    | 54    | 165   | 146   |
| High-temperature cements.....1,000 lbs                                      | * 5,265       | 4,695         | 3,240         | 3,260         | 4,626         | 4,745         | * 188                         | 246   | 127   | 132   | 194   | 178   |
| Other terra-cotta and ceramic manufactures.....                             |               |               |               |               |               |               |                               | 263   | 64    | 73    | 90    | 130   |
| <b>F. Other nonmetallic minerals, except precious.....</b>                  | <b>35,349</b> | <b>22,776</b> | <b>15,675</b> | <b>20,339</b> | <b>28,634</b> | <b>22,060</b> |                               |       |       |       |       |       |
| Abrasives.....                                                              |               |               |               |               |               |               | 7,738                         | 4,583 | 2,834 | 3,521 | 4,914 | 5,131 |
| Wheels of emery and corundum.....1,000 lbs.                                 | 704           | 286           | 185           | 498           | 306           | 316           | 246                           | 115   | 84    | 213   | 113   | 116   |
| Grindstones.....do                                                          | 9,416         | 2,405         | 3,078         | 2,895         | 4,490         | 5,523         | 481                           | 105   | 86    | 89    | 144   | 149   |
| Other natural abrasives, hones, whetstones, etc.....1,000 lbs               | 8,630         | 6,976         | 5,371         | 7,120         | 8,793         | 9,637         | 396                           | 232   | 147   | 159   | 255   | 250   |
| Artificial abrasives, crude or in grains.....do                             | 14,656        | 13,232        | 9,961         | 13,386        | 22,086        | 25,586        | 940                           | 912   | 547   | 927   | 1,323 | 1,552 |
| Wheels of artificial abrasives.....do                                       | 5,530         | 3,296         | 1,816         | 1,563         | 3,050         | 3,122         | 1,992                         | 1,285 | 662   | 584   | 1,093 | 1,116 |
| Abrasive paper and cloth.....1,000 reams                                    | * 260         | 110           | 88            | 100           | 124           | 114           | 2,947                         | 1,368 | 959   | 1,143 | 1,467 | 1,380 |
| Other artificial abrasives.....1,000 lbs                                    | 6,634         | 4,100         | 1,796         | 2,196         | 3,602         | 4,307         | 736                           | 566   | 339   | 407   | 519   | 567   |
| Asbestos.....                                                               |               |               |               |               |               |               |                               |       |       |       |       |       |
| Unmanufactured.....tons of 2,240 lbs.                                       | 668           | 1,530         | 1,524         | 1,230         | 1,490         | 759           | 137                           | 122   | 95    | 89    | 94    | 88    |
| Paper, millboard, and roll board.....1,000 lbs.                             | 1,722         | 1,269         | 687           | 879           | 1,204         | 1,635         | 141                           | 126   | 61    | 63    | 96    | 131   |
| Pipe covering and cement.....do                                             | 5,619         | 2,100         | 2,453         | 1,819         | 2,779         | 2,466         | 381                           | 120   | 136   | 94    | 126   | 143   |
| Textiles, yarn, and packing.....do                                          | 1,655         | 1,271         | 904           | 1,036         | 1,239         | 1,431         | 900                           | 662   | 431   | 510   | 595   | 662   |
| Brake lining.....                                                           |               |               |               |               |               |               |                               |       |       |       |       |       |
| Molded and semimolded.....                                                  |               |               |               |               |               |               |                               |       |       |       |       |       |
| Not molded.....1,000 lin. ft.                                               |               | 3,792         | 1,560         | 1,651         | 1,641         | 1,427         | 1,147                         | 420   | 397   | 469   | 607   | 651   |
| Other manufactures, except roofing.....1,000 lbs.                           | 3,570         | 2,393         | 1,294         | 1,677         | 1,598         | 1,843         | 413                           | 720   | 289   | 256   | 255   | 281   |
| Asphalt and bitumen, natural.....                                           |               |               |               |               |               |               |                               | 249   | 134   | 109   | 147   | 190   |
| Unmanufactured.....tons of 2,240 lbs.                                       | 31,157        | 16,944        | 11,040        | 12,327        | 13,563        | 17,169        | 877                           | 531   | 449   | 554   | 579   | 710   |
| Manufactures, except roofing.....1,000 lbs.                                 | 53,239        | 29,696        | 15,368        | 13,317        | 25,124        | 16,817        | 1,079                         | 579   | 318   | 235   | 348   | 303   |
| Carbons and electrodes.....                                                 |               |               |               |               |               |               |                               |       |       |       |       |       |
| Electrodes for furnace or electrolytic work.....1,000 lbs.                  | 14,976        | 11,177        | 9,515         | 15,165        | 16,401        | 16,014        | 1,980                         | 1,427 | 1,020 | 1,478 | 1,833 | 1,896 |
| Brushes and brush stock.....do                                              |               |               | 131           | 133           | 214           | 178           |                               |       | 90    | 121   | 175   | 189   |
| All other, n. e. s.....                                                     |               |               |               |               |               |               | 993                           | 542   | 280   | 305   | 1,214 | 687   |
| Graphite, crude, refined, and mfrs.....do                                   | 3,734         | 2,376         | 1,580         | 1,828         | 2,489         | 2,960         | 438                           | 249   | 173   | 183   | 250   | 264   |
| Chalk manufactures.....do                                                   | 1,592         | 965           | 665           | 717           | 591           | 730           | 202                           | 123   | 74    | 79    | 65    | 78    |
| Gypsum.....                                                                 |               |               |               |               |               |               |                               |       |       |       |       |       |
| Crude, crushed, or ground.....tons of 2,240 lbs.                            | * 3,035       | 4,020         | 3,196         | 3,370         | 2,311         | 4,043         | * 26                          | 33    | 19    | 11    | 12    | 15    |
| Plaster board and wall board.....1,000 sq. ft.                              | * 11,969      | 6,387         | 1,982         | 1,647         | 1,896         | 1,929         | * 380                         | 158   | 46    | 36    | 43    | 42    |
| Plaster, calcined, and manufactures, n. e. s. <sup>15</sup> .....1,000 lbs. | 43,439        | 13,547        | 2,078         | 3,119         | 4,528         | 9,434         | 508                           | 197   | 72    | 72    | 79    | 128   |

|                                                                                              |         |         |         |         |           |           |         |         |        |         |         |         |
|----------------------------------------------------------------------------------------------|---------|---------|---------|---------|-----------|-----------|---------|---------|--------|---------|---------|---------|
| Mica and manufactures.....do.....                                                            | 3,955   | 5,239   | 3,099   | 3,120   | 3,502     | 2,990     | 252     | 258     | 133    | 118     | 189     | 165     |
| Sulphur—                                                                                     |         |         |         |         |           |           |         |         |        |         |         |         |
| Crude.....tons of 2,240 lbs.....                                                             | 699,957 | 407,586 | 352,610 | 522,515 | 507,115   | 402,388   | 14,312  | 8,837   | 7,179  | 9,878   | 9,365   | 7,582   |
| Refined, sublimed, and flowers.....1,000 lbs.....                                            | 32,679  | 27,198  | 16,285  | 19,629  | 22,652    | 24,452    | 538     | 432     | 266    | 317     | 398     | 419     |
| Magnesia and manufactures.....do.....                                                        | 6,214   | 2,905   | 1,220   | 1,390   | 2,554     | 1,844     | 367     | 201     | 91     | 92      | 241     | 146     |
| Salt.....do.....                                                                             | 255,134 | 197,420 | 127,162 | 210,355 | 210,731   | 224,425   | 1,104   | 775     | 478    | 627     | 616     | 550     |
| Talc, crude, in bulk.....do.....                                                             |         |         |         | 7,912   | 9,806     | 11,628    | 1,670   | 1,428   | 831    | 68      | 84      | 101     |
| Other nonmetallic mineral products.....do.....                                               |         |         |         |         |           |           |         |         |        | 1,062   | 1,611   | 1,687   |
| G. Precious stones, including pearls.....do.....                                             |         |         |         |         |           |           | 81      | 44      | 83     | 18      | 96      | 74      |
| GROUP 6.—METALS AND MANUFACTURES, EXCEPT<br>MACHINERY AND VEHICLES                           |         |         |         |         |           |           |         |         |        |         |         |         |
| Total.....                                                                                   |         |         |         |         |           |           | 463,765 | 180,903 | 84,769 | 107,306 | 189,956 | 195,595 |
| A. Iron ore.....1,000 tons of 2,240 lbs.....                                                 | 1,021   | 436     | 83      | 155     | 609       | 661       | 3,323   | 1,656   | 220    | 647     | 2,243   | 1,913   |
| B. Iron and steel semimanufactures.....                                                      |         |         |         |         |           |           | 90,192  | 32,276  | 14,617 | 25,789  | 56,901  | 60,323  |
| Pig iron, not containing alloys.....                                                         |         |         |         |         |           |           |         |         |        |         |         |         |
| Iron and steel scrap (including tin-plate scrap).....tons of 2,240 lbs.....                  | 44,182  | 6,719   | 2,324   | 2,760   | 4,096     | 4,107     | 808     | 151     | 54     | 64      | 97      | 96      |
| Steel ingots, blooms, billets, slabs, and sheet bars.....tons of 2,240 lbs.....              | 355,178 | 136,125 | 227,522 | 773,406 | 1,835,170 | 2,103,959 | 5,097   | 1,967   | 1,859  | 6,874   | 19,188  | 22,949  |
| Iron and steel bars and rods—                                                                |         |         |         |         |           |           |         |         |        |         |         |         |
| Iron bars.....1,000 lbs.....                                                                 | 9,932   | 2,278   | 1,381   | 1,509   | 2,249     | 2,688     | 353     | 96      | 43     | 55      | 84      | 110     |
| Steel bars.....do.....                                                                       | 301,216 | 95,229  | 34,428  | 49,842  | 96,230    | 117,121   | 7,969   | 2,329   | 827    | 1,131   | 2,126   | 2,631   |
| Alloy steel bars.....do.....                                                                 | 21,318  | 6,647   | 3,633   | 4,024   | 6,518     | 6,310     | 1,179   | 490     | 251    | 267     | 625     | 583     |
| Wire rods.....do.....                                                                        | 70,078  | 71,960  | 33,192  | 37,803  | 53,160    | 58,447    | 1,518   | 1,297   | 583    | 608     | 815     | 1,013   |
| Iron and steel plates, sheets, skelp, and strips—                                            |         |         |         |         |           |           |         |         |        |         |         |         |
| Boiler plate.....1,000 lbs.....                                                              | 24,488  | 1,119   | 1,832   | 1,851   | 3,503     | 3,067     | 508     | 32      | 46     | 40      | 107     | 84      |
| Other plates, not fabricated.....do.....                                                     | 307,326 | 94,019  | 21,228  | 28,961  | 76,670    | 96,117    | 7,073   | 1,878   | 478    | 592     | 1,505   | 1,894   |
| Skelp iron or steel.....do.....                                                              | 254,483 | 126,555 | 57,091  | 62,102  | 128,501   | 144,302   | 4,844   | 2,369   | 910    | 822     | 2,099   | 2,146   |
| Iron or steel sheets, galvanized.....do.....                                                 | 326,161 | 115,412 | 60,310  | 120,637 | 153,527   | 167,993   | 14,422  | 4,294   | 1,982  | 3,682   | 4,630   | 5,208   |
| Iron sheets, galvanized.....do.....                                                          | 14,038  | 9,561   | 3,164   | 2,606   | 3,194     | 4,360     | 312     | 531     | 168    | 126     | 153     | 211     |
| Steel sheets, galvanized.....do.....                                                         | 195,369 | 105,881 | 57,146  | 118,032 | 150,333   | 163,633   | 7,986   | 3,763   | 1,814  | 3,556   | 4,477   | 4,997   |
| Steel sheets, black.....do.....                                                              | 366,943 | 205,600 | 85,742  | 83,055  | 203,846   | 225,082   | 12,922  | 6,918   | 2,844  | 2,465   | 6,025   | 6,560   |
| Iron sheets, black.....do.....                                                               | 35,851  | 12,372  | 5,513   | 6,162   | 9,687     | 11,611    | 1,603   | 447     | 176    | 196     | 317     | 350     |
| Strip steel, cold rolled.....do.....                                                         | 32,284  | 19,930  | 12,450  | 17,992  | 31,744    | 45,126    | 1,258   | 740     | 500    | 624     | 1,110   | 1,502   |
| Hoop, band, and scroll iron or steel.....do.....                                             | 83,449  | 43,307  | 27,371  | 27,363  | 33,907    | 54,900    | 2,402   | 1,095   | 627    | 603     | 823     | 1,263   |
| Tin plate, terneplate, and tagger's tin.....do.....                                          | 550,948 | 189,181 | 88,710  | 213,335 | 415,618   | 301,279   | 27,888  | 7,841   | 3,273  | 7,650   | 16,873  | 13,022  |
| C. Steel-mill products—Manufactures.....                                                     |         |         |         |         |           |           | 80,475  | 30,913  | 14,338 | 18,742  | 31,777  | 28,088  |
| Structural iron and steel—                                                                   |         |         |         |         |           |           |         |         |        |         |         |         |
| Water, oil, gas, and other tanks, complete, and knocked down material for.....1,000 lbs..... | 45,898  | 27,848  | 6,837   | 6,896   | 17,589    | 19,465    | 2,887   | 1,132   | 267    | 305     | 596     | 696     |
| Structural shapes—                                                                           |         |         |         |         |           |           |         |         |        |         |         |         |
| Not fabricated.....tons of 2,240 lbs.....                                                    | 187,406 | 88,710  | 14,885  | 14,089  | 31,392    | 36,856    | 8,376   | 3,437   | 590    | 535     | 1,322   | 1,494   |
| Fabricated.....do.....                                                                       | 44,727  | 24,862  | 8,639   | 13,893  | 18,173    | 14,960    | 4,169   | 2,327   | 629    | 940     | 1,391   | 1,191   |
| Ship and tank plates, punched or shaped.....1,000 lbs.....                                   | 12,875  | 3,415   | 2,400   | 3,137   | 5,836     | 3,603     | 381     | 84      | 64     | 82      | 135     | 102     |
| Metal lath.....do.....                                                                       | 11,394  | 5,393   | 3,294   | 2,254   | 2,493     | 1,904     | 800     | 350     | 183    | 135     | 169     | 144     |
| Frames, sashes, and sheet piling.....do.....                                                 | 90,833  | 12,809  | 16,947  | 6,820   | 6,487     | 10,312    | 3,407   | 358     | 336    | 184     | 178     | 320     |

<sup>1</sup> 1930 only.    <sup>2</sup> Average for years 1923-30.<sup>3</sup> Average for years 1929 and 1930.<sup>4</sup> Average for years 1927-30.<sup>5</sup> Includes "crude, crushed, or ground" prior to Jan. 1, 1928.



| Group and article                                                                | Quantity  |        |        |        |         |        | Value in thousands of dollars |       |       |       |       |       |
|----------------------------------------------------------------------------------|-----------|--------|--------|--------|---------|--------|-------------------------------|-------|-------|-------|-------|-------|
|                                                                                  | 1926-1930 | 1931   | 1932   | 1933   | 1934    | 1935   | 1926-1930                     | 1931  | 1932  | 1933  | 1934  | 1935  |
| <b>GROUP 6.—METALS AND MANUFACTURES—Contd.</b>                                   |           |        |        |        |         |        |                               |       |       |       |       |       |
| <b>C. Steel-mill products—Manufactures—Continued.</b>                            |           |        |        |        |         |        |                               |       |       |       |       |       |
| Railway track material—                                                          |           |        |        |        |         |        |                               |       |       |       |       |       |
| Rails.....tons of 2,240 lbs..                                                    | 159,463   | 33,108 | 11,320 | 41,481 | 69,159  | 51,672 | 6,053                         | 1,289 | 428   | 1,227 | 2,121 | 1,455 |
| 50 pounds and over per yard.....do                                               | 141,336   | 25,357 | 10,408 | 37,629 | 63,505  | 47,915 | 5,399                         | 1,008 | 395   | 1,105 | 1,953 | 1,357 |
| Less than 50 pounds per yard.....do                                              | 18,126    | 7,751  | 912    | 3,852  | 5,654   | 3,757  | 654                           | 281   | 33    | 122   | 169   | 97    |
| Rail joints, splice bars, fishplates, and tie-plates.....1,000 lbs.              | 48,880    | 10,970 | 4,410  | 20,446 | 23,817  | 13,033 | 1,461                         | 378   | 121   | 478   | 596   | 324   |
| Switches, frogs, and crossings.....do                                            | 13,163    | 2,333  | 1,668  | 1,692  | 3,984   | 3,216  | 1,020                         | 270   | 96    | 94    | 263   | 235   |
| Railroad spikes.....do                                                           | 9,701     | 2,695  | 1,554  | 5,319  | 7,289   | 5,548  | 303                           | 74    | 30    | 192   | 225   | 144   |
| Railroad bolts, nuts, washers, and nut locks.....1,000 lbs.                      | 4,525     | 1,722  | 762    | 2,862  | 2,883   | 1,248  | 284                           | 155   | 43    | 174   | 162   | 68    |
| Tubular products and fittings—                                                   |           |        |        |        |         |        |                               |       |       |       |       |       |
| Boiler tubes.....do                                                              | 38,577    | 15,836 | 8,237  | 8,778  | 18,470  | 19,364 | 2,149                         | 885   | 567   | 483   | 1,085 | 1,154 |
| Casing and oil line pipe.....do                                                  | 234,593   | 49,221 | 38,694 | 87,320 | 127,930 | 53,135 | 10,377                        | 2,469 | 1,792 | 3,431 | 5,666 | 2,402 |
| Seamless black pipe, other than casing and oil-line.....1,000 lbs.               |           |        | 1,340  | 3,161  | 5,981   | 6,095  |                               |       | 95    | 195   | 323   | 365   |
| Welded black pipe.....do                                                         | 184,237   | 76,852 | 33,163 | 34,228 | 48,518  | 41,020 | 7,322                         | 2,806 | 1,157 | 1,017 | 1,621 | 1,463 |
| Welded galvanized pipe.....do                                                    | 89,705    | 58,528 | 36,024 | 45,823 | 54,873  | 40,499 | 3,863                         | 2,372 | 1,306 | 1,477 | 2,031 | 1,448 |
| Malleable iron screwed pipe fittings.....do                                      | 25,006    | 10,102 | 3,759  | 5,600  | 6,676   | 7,763  | 3,343                         | 1,401 | 485   | 666   | 955   | 1,061 |
| Cast-iron screwed pipe fittings.....do                                           | 20,564    | 4,797  | 1,684  | 2,979  | 5,916   | 4,203  | 1,725                         | 527   | 181   | 246   | 479   | 390   |
| Cast-iron pressure pipe and fittings.....do                                      | 27,299    | 29,108 | 10,580 | 14,834 | 23,105  | 24,925 | 1,173                         | 654   | 218   | 323   | 580   | 627   |
| Cast-iron soil pipe and fittings.....do                                          | 30,243    | 13,550 | 6,586  | 8,195  | 10,631  | 10,094 | 1,019                         | 481   | 102   | 232   | 376   | 291   |
| Riveted steel or iron pipe and fittings.....do                                   |           |        | 363    | 315    | 1,120   | 1,067  |                               |       | 33    | 24    | 84    | 78    |
| Wire and manufactures—                                                           |           |        |        |        |         |        |                               |       |       |       |       |       |
| Plain iron or steel wire.....do                                                  | 37,009    | 13,171 | 9,600  | 21,397 | 34,338  | 40,785 | 1,634                         | 581   | 385   | 569   | 978   | 1,067 |
| Galvanized wire.....do                                                           | 45,820    | 18,548 | 9,198  | 27,702 | 47,464  | 46,718 | 1,815                         | 463   | 212   | 639   | 1,236 | 1,147 |
| Barbed wire.....do                                                               | 115,235   | 48,068 | 37,524 | 65,060 | 80,811  | 71,597 | 3,310                         | 1,049 | 791   | 1,508 | 2,053 | 1,714 |
| Woven-wire fencing.....do                                                        | 10,678    | 6,929  | 2,220  | 2,025  | 3,073   | 4,881  | 586                           | 282   | 104   | 90    | 139   | 215   |
| Woven-wire screen cloth.....do                                                   | 4,200     | 1,938  | 1,419  | 1,619  | 2,169   | 2,330  | 885                           | 298   | 199   | 215   | 286   | 324   |
| Wire rope.....do                                                                 | 11,732    | 5,604  | 3,525  | 4,951  | 6,005   | 9,050  | 1,505                         | 666   | 410   | 508   | 716   | 956   |
| Insulated iron or steel wire and cable.....do                                    | 1,559     | 673    | 191    | 55     | 158     | 179    | 259                           | 108   | 28    | 7     | 24    | 28    |
| Other wire and manufactures.....do                                               | 20,701    | 10,392 | 4,857  | 6,382  | 10,529  | 13,307 | 2,029                         | 997   | 527   | 651   | 996   | 1,249 |
| Nails and bolts (except railroad)—                                               |           |        |        |        |         |        |                               |       |       |       |       |       |
| Cut nails.....do                                                                 | 2,189     | 307    | 354    |        |         |        | 95                            | 16    | 21    |       |       |       |
| Wire nails.....do                                                                | 25,866    | 19,797 | 16,912 | 22,958 | 29,568  | 24,956 | 801                           | 485   | 370   | 509   | 748   | 616   |
| Horseshoe nails.....do                                                           | 2,193     | 1,380  | 1,515  | 1,326  | 1,767   | 1,513  | 244                           | 147   | 160   | 135   | 186   | 164   |
| Tracks (except thumb tacks).....do                                               | 1,643     | 1,218  | 860    | 996    | 1,116   | 911    | 231                           | 143   | 101   | 117   | 134   | 105   |
| Other nails, including staples.....do                                            | 12,957    | 5,635  | 4,837  | 6,501  | 8,183   | 5,866  | 993                           | 301   | 174   | 224   | 297   | 245   |
| Bolts, machine screws, nuts, rivets, and washers, except railroad.....1,000 lbs. | 29,163    | 10,876 | 6,081  | 8,244  | 11,526  | 14,270 | 2,476                         | 1,049 | 625   | 809   | 1,340 | 1,545 |
| Castings and forgings—                                                           |           |        |        |        |         |        |                               |       |       |       |       |       |
| Iron castings.....do                                                             | 22,495    | 9,693  | 7,610  | 9,418  | 15,623  | 20,525 | 1,436                         | 689   | 374   | 422   | 667   | 798   |
| Steel castings.....do                                                            | 19,928    | 6,952  | 2,629  | 2,140  | 5,483   | 6,008  | 2,289                         | 743   | 290   | 209   | 575   | 570   |
| Car wheels and axles.....do                                                      | 38,886    | 14,149 | 5,402  | 8,884  | 16,143  | 41,238 | 1,354                         | 430   | 210   | 239   | 449   | 1,113 |

|                                                                |         |         |        |        |        |        |        |        |        |        |        |        |
|----------------------------------------------------------------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Horseshoes.....do.....                                         | 1,041   | 342     | 225    | 323    | 390    | 447    | 73     | 21     | 14     | 23     | 20     | 23     |
| Iron and steel forgings n. e. s.....do.....                    | 17,811  | 16,582  | 8,264  | 7,052  | 9,460  | 14,097 | 1,459  | 997    | 521    | 424    | 534    | 773    |
| <b>D. Iron and steel, advanced manufactures</b>                |         |         |        |        |        |        |        |        |        |        |        |        |
| Cutlery.....                                                   |         |         |        |        |        |        | 78,177 | 37,112 | 19,780 | 19,970 | 27,745 | 31,192 |
| Razors, safety.....1,000 doz.....                              | 374     | 212     | 43     | 39     | 29     | 45     | 9,687  | 2,933  | 2,129  | 1,979  | 2,102  | 2,220  |
| Safety-razor blades.....do.....                                | 10,690  | 4,449   | 3,986  | 2,360  | 1,780  | 2,475  | 6,618  | 1,593  | 1,255  | 798    | 462    | 513    |
| Scissors and shears.....do.....                                | 31,112  | 14,334  | 5,197  | 6,182  | 13,598 | 17,734 | 144    | 172    | 48     | 49     | 97     | 118    |
| Table and kitchen cutlery.....1,000 doz.....                   | 397     | 117     | 60     | 102    | 149    | 149    | 538    | 172    | 70     | 108    | 159    | 159    |
| Other cutlery and parts.....                                   |         |         |        |        |        |        | 1,526  | 759    | 689    | 921    | 1,286  | 1,263  |
| Hollow ware—                                                   |         |         |        |        |        |        |        |        |        |        |        |        |
| Tin and galvanized hollow ware.....1,000 lbs.....              | 6,495   | 4,326   | 2,229  | 2,997  | 2,798  | 3,045  | 802    | 486    | 234    | 293    | 313    | 348    |
| Tin cans, finished or unfinished.....do.....                   | 10,061  | 7,507   | 5,897  | 5,015  | 10,221 | 8,495  | 1,103  | 909    | 674    | 572    | 1,003  | 949    |
| Enameled ware of iron or steel—                                |         |         |        |        |        |        |        |        |        |        |        |        |
| Bathtubs.....number.....                                       | 18,427  | 5,914   | 3,381  | 4,981  | 8,019  | 9,647  | 641    | 189    | 92     | 124    | 204    | 241    |
| Lavatories, sinks, and other plumbing fixtures.....number..... | 52,164  | 26,605  | 17,709 | 21,723 | 22,117 | 25,466 | 601    | 262    | 141    | 156    | 171    | 198    |
| Enameled household ware.....1,000 lbs.....                     | 2,814   | 1,619   | 638    | 501    | 918    | 956    | 549    | 275    | 110    | 84     | 163    | 177    |
| Metal furniture and fixtures—                                  |         |         |        |        |        |        |        |        |        |        |        |        |
| Sheet-metal lockers and storage cabinets.....number.....       |         | 10,800  | 4,938  | 4,790  | 5,569  | 8,516  |        | 124    | 47     | 38     | 53     | 74     |
| Sheet-metal shelving and wall bins.....do.....                 |         |         |        |        |        |        |        | 131    | 49     | 24     | 24     | 44     |
| Sheet-metal filing cases, not insulated.....number.....        | 59,295  | 23,644  | 10,570 | 12,057 | 15,223 | 18,014 | 1,974  | 613    | 249    | 278    | 398    | 439    |
| Safes and insulated cabinets.....number.....                   | 18,236  | 9,554   | 4,745  | 2,983  | 4,041  | 5,604  | 976    | 572    | 273    | 163    | 242    | 320    |
| Bank and safety deposit vaults and equipment.....              |         |         |        |        |        |        | 526    | 878    | 106    | 133    | 147    | 106    |
| Other office furniture and fixtures.....                       |         |         |        |        |        |        | 941    | 417    | 178    | 166    | 259    | 251    |
| Metal beds and bed springs.....number.....                     | 169,875 | 108,076 | 51,766 | 39,137 | 50,355 | 62,990 | 1,419  | 716    | 314    | 232    | 322    | 398    |
| Other metal furniture.....                                     |         |         |        |        |        |        | 1,446  | 380    | 138    | 127    | 180    | 263    |
| Stoves and furnaces, except electric—                          |         |         |        |        |        |        |        |        |        |        |        |        |
| Coal and wood cooking stoves and ranges.....number.....        | 12,073  | 3,611   | 2,090  | 1,601  | 2,953  | 4,992  | 318    | 84     | 57     | 44     | 70     | 102    |
| Heating stoves and warm-air furnaces.....do.....               | 14,716  | 7,256   | 1,461  | 443    | 4,099  | 4,723  | 286    | 119    | 30     | 11     | 69     | 78     |
| Gas stoves, ranges, and water heaters.....do.....              | 43,061  | 17,837  | 8,392  | 6,235  | 7,889  | 9,193  | 857    | 367    | 124    | 101    | 146    | 209    |
| Kerosene cooking stoves and heaters.....do.....                | 141,164 | 82,406  | 33,449 | 19,873 | 39,616 | 51,683 | 1,942  | 747    | 266    | 155    | 202    | 344    |
| Gasoline cooking stoves and heaters.....do.....                |         |         |        |        |        |        |        |        |        |        |        |        |
| Parts of stoves, ranges, and furnaces.....1,000 lbs.....       | 4,625   | 10,114  | 5,282  | 4,406  | 6,587  | 4,819  |        | 90     | 34     | 33     | 46     | 46     |
| House-heating boilers and radiators.....                       |         |         |        |        |        |        |        | 965    | 470    | 326    | 424    | 545    |
| Oil burners and parts.....1,000 sq. ft.....                    | 3,497   | 1,710   |        |        |        |        | 1,644  | 485    | 247    | 152    | 215    | 211    |
|                                                                |         |         |        |        |        |        |        | 1,521  | 1,090  | 1,140  | 1,098  | 1,008  |
| <b>Tools</b>                                                   |         |         |        |        |        |        | 17,907 | 8,078  | 3,958  | 5,134  | 7,623  | 9,067  |
| Axes (broad and hand).....1,000 doz.....                       | 91      | 24      | 19     | 40     | 59     | 68     | 979    | 284    | 177    | 379    | 543    | 519    |
| Hack-saw blades.....1,000 gross.....                           | 253     | 180     | 117    | 149    | 136    | 137    |        | 854    | 557    | 693    | 666    | 711    |
| Shelf and hardware saws.....thousands.....                     | 476     | 274     | 180    | 375    | 370    | 425    | 1,980  | 201    | 63     | 110    | 195    | 256    |
| Other saws, except hack saws.....                              |         |         |        |        |        |        |        | 86     | 53     | 42     | 85     | 109    |
| Angers and bits, woodworking.....dozens.....                   | 83,277  | 37,976  | 11,483 | 15,830 | 28,303 | 44,121 | 271    | 124    | 36     | 51     | 93     | 132    |
| Files and rasps.....1,000 doz.....                             | 2,231   | 1,438   | 1,059  | 1,265  | 1,507  | 1,618  | 2,678  | 1,526  | 890    | 1,245  | 1,640  | 1,721  |
| Hammers and hatchets.....do.....                               | 65      | 21      | 9      | 18     | 31     | 40     | 333    | 100    | 41     | 80     | 140    | 195    |
| Hand hoes and rakes.....thousands.....                         | 319     | 126     | 111    | 162    | 270    | 178    | 131    | 199    | 36     | 55     | 98     | 64     |

\* Average for years 1928-30.

\* Average for years 1920 and 1930.

\* Average for years 1927-30.

| Group and article                                               | Quantity  |           |         |         |         |         | Value in thousands of dollars |        |        |        |        |        |
|-----------------------------------------------------------------|-----------|-----------|---------|---------|---------|---------|-------------------------------|--------|--------|--------|--------|--------|
|                                                                 | 1926-1930 | 1931      | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931   | 1932   | 1933   | 1934   | 1935   |
| <b>GROUP 6.—METALS AND MANUFACTURES—Contd.</b>                  |           |           |         |         |         |         |                               |        |        |        |        |        |
| <b>D. Iron and steel, etc.—Continued.</b>                       |           |           |         |         |         |         |                               |        |        |        |        |        |
| Tools—Continued.                                                |           |           |         |         |         |         |                               |        |        |        |        |        |
| Shovels and spades.....1,000 doz.                               | 34        | 14        | 8       | 13      | 18      | 21      | 353                           | 113    | 68     | 101    | 164    | 184    |
| Vises ".....thousands                                           | 88        | 14        | 7       | 7       | 14      | 20      | 203                           | 59     | 24     | 22     | 53     | 75     |
| Automotive wrenches.....                                        |           |           |         |         |         |         | <sup>6</sup> 315              | 173    | 101    | 117    | 274    | 325    |
| Other wrenches (except automotive).....                         |           |           |         |         |         |         | <sup>6</sup> 879              | 349    | 187    | 208    | 308    | 377    |
| Drills and reamers.....                                         |           |           |         |         |         |         | <sup>7</sup> 767              | 510    | 142    | 203    | 312    | 427    |
| 'Taps, dies, screw plates, and pipe stocks.....                 |           |           |         |         |         |         | <sup>7</sup> 1,559            | 455    | 226    | 269    | 580    | 701    |
| Mechanics' and other hand tools, n. e. s.....                   |           |           |         |         |         |         | <sup>6</sup> 2,989            | 3,113  | 1,287  | 1,540  | 2,469  | 3,290  |
| Hardware                                                        |           |           |         |         |         |         |                               |        |        |        |        |        |
| Padlocks.....1,000 doz.                                         | 109       | 73        | 30      | 38      | 80      | 98      | 8,454                         | 4,074  | 1,989  | 1,900  | 2,725  | 3,031  |
| Door locks and lock sets.....do.                                | 64        | 37        | 19      | 23      | 32      | 30      | 487                           | 216    | 61     | 100    | 233    | 274    |
| Cabinet and other locks.....do.                                 | 164       | 82        | 40      | 38      | 56      | 55      | 540                           | 339    | 170    | 144    | 228    | 247    |
| Hinges and butts, iron or steel 1,000 doz. prs.                 | 694       | 145       | 71      | 65      | 85      | 95      | 343                           | 191    | 95     | 73     | 105    | 109    |
| Other builders' hardware.....                                   |           |           |         |         |         |         | 533                           | 188    | 89     | 73     | 111    | 144    |
| Furniture hardware.....                                         |           |           |         |         |         |         | 1,671                         | 925    | 426    | 417    | 518    | 550    |
| Saddlery and harness hardware.....                              |           |           |         |         |         |         | 404                           | 205    | 73     | 84     | 121    | 155    |
| Car and marine hardware.....                                    |           |           |         |         |         |         | 194                           | 71     | 54     | 50     | 88     | 98     |
| Other hardware.....                                             |           |           |         |         |         |         | 240                           | 83     | 40     | 38     | 73     | 89     |
| Needles, hand and machine.....thousands                         | 63,120    | 47,293    | 39,085  | 26,558  | 22,972  | 21,220  | 4,042                         | 1,856  | 901    | 917    | 1,247  | 1,365  |
| Sprocket and other power transmission chains.....1,000 lbs.     | 5,710     | 2,502     | 1,588   | 1,967   | 3,044   | 3,429   | 760                           | 569    | 429    | 310    | 332    | 325    |
| Other chains.....do.                                            | 9,627     | 3,705     | 1,546   | 2,064   | 3,339   | 3,154   | 1,265                         | 687    | 413    | 486    | 723    | 787    |
| Automatic scales (except coin operated) number                  | 12,935    | 7,022     | 10,301  | 10,330  | 22,435  | 30,334  | 1,278                         | 468    | 187    | 211    | 346    | 341    |
| Other scales and balances n. e. s.....do.                       | 115,284   | 50,052    | 31,165  | 51,222  | 50,892  | 50,240  | 942                           | 551    | 194    | 245    | 300    | 312    |
| Wood screws.....1,000 gross                                     | 7,427     | 4,016     | 986     | 444     | 422     | 415     | 1,243                         | 415    | 192    | 227    | 366    | 446    |
| Metal drums and containers for oil, gas, and other liquids..... |           |           |         |         |         |         | 807                           | 487    | 188    | 73     | 49     | 52     |
| Other iron and steel manufactures.....                          |           |           |         |         |         |         | 19,443                        | 3,643  | 2,551  | 2,399  | 2,543  | 2,876  |
|                                                                 |           |           |         |         |         |         |                               | 5,098  | 2,674  | 2,654  | 4,790  | 5,362  |
| <b>E. Ferro-alloys</b>                                          |           |           |         |         |         |         |                               |        |        |        |        |        |
| Ferromanganese and spiegeleisen tons of 2,240 lbs.              | 3,907     | 1,806     | 33      | 47      | 222     | 131     | 942                           | 1,447  | 717    | 2,932  | 1,964  | 3,020  |
| Ferrotungsten, tungsten metal, and wire pounds                  | 39,795    | 1,057,754 | 140,783 | 853,912 | 704,230 | 996,974 | 109                           | 39     | 2      | 3      | 13     | 10     |
| Other ferro-alloying ores and metals 1,000 lbs.                 | 8,874     | 15,527    | 10,121  | 18,131  | 19,806  | 29,189  | 198                           | 624    | 173    | 461    | 464    | 744    |
|                                                                 |           |           |         |         |         |         | 635                           | 784    | 542    | 2,468  | 1,497  | 2,266  |
| <b>F. Nonferrous metals, except precious</b>                    |           |           |         |         |         |         |                               |        |        |        |        |        |
| Aluminum                                                        |           |           |         |         |         |         |                               |        |        |        |        |        |
| Bauxite and other ores and concentrates tons of 2,240 lbs.      | 112,133   | 88,370    | 28,474  | 21,760  | 51,415  | 82,491  | 206,701                       | 75,347 | 33,210 | 36,946 | 68,976 | 69,332 |
| Ingot, scrap, and alloys.....1,000 lbs.                         | 1,545     | 1,611     | 3,905   | 5,515   | 8,053   | 3,381   | 11,640                        | 6,164  | 2,615  | 1,975  | 3,419  | 4,258  |
| Plates, sheets, bars, strips, and rods.....do.                  | 12,905    | 3,190     | 532     | 193     | 313     | 609     | 5,091                         | 3,309  | 1,162  | 646    | 1,040  | 2,191  |
|                                                                 |           |           |         |         |         |         | 305                           | 132    | 318    | 539    | 1,142  | 486    |
|                                                                 |           |           |         |         |         |         | 3,182                         | 853    | 151    | 61     | 107    | 208    |

|                                                                                                 |         |         |         |         |         |         |         |        |        |        |        |        |
|-------------------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| Tubes, moldings, castings, and other shapes.....1,000 lbs.....                                  | 1,796   | 1,262   | 839     | 454     | 514     | 949     | 581     | 552    | 337    | 160    | 208    | 350    |
| Table, kitchen, and hospital utensils.....                                                      |         |         |         |         |         |         | 601     | 387    | 202    | 197    | 297    | 302    |
| Other aluminum manufactures.....                                                                |         |         |         |         |         |         | 1,878   | 931    | 445    | 371    | 625    | 721    |
| Copper.....1,000 lbs. <sup>20</sup>                                                             | 983,840 | 557,874 | 328,228 | 349,254 | 625,456 | 605,746 | 149,999 | 54,748 | 21,237 | 24,918 | 49,765 | 48,933 |
| Ores, concentrates, composition metal, and unrefined copper (copper content).....1,000 lbs..... | 4,458   | 300     | 32,866  | 45,428  | 32,766  | 15,350  | 572     | 24     | 1,473  | 3,230  | 2,701  | 1,079  |
| Refined copper in ingots, bars, or other forms.....1,000 lbs.....                               | 828,927 | 405,396 | 221,955 | 249,164 | 524,733 | 521,471 | 123,015 | 38,099 | 13,538 | 16,931 | 39,651 | 40,238 |
| Old and scrap copper.....do.....                                                                | 38,366  | 67,177  | 34,358  | 28,437  | 25,190  | 19,063  | 4,744   | 5,498  | 2,013  | 1,647  | 1,827  | 1,291  |
| Pipes and tubes.....do.....                                                                     | 3,218   | 2,071   | 1,196   | 802     | 1,408   | 1,216   | 834     | 415    | 213    | 134    | 298    | 245    |
| Plates and sheets.....do.....                                                                   | 7,090   | 4,537   | 1,672   | 1,133   | 9,522   | 7,177   | 1,425   | 645    | 233    | 179    | 961    | 724    |
| Rods.....do.....                                                                                | 66,162  | 58,831  | 28,104  | 15,579  | 19,544  | 28,541  | 10,467  | 6,180  | 2,204  | 1,174  | 1,745  | 2,522  |
| Wire.....do.....                                                                                | 14,325  | 6,268   | 1,889   | 2,571   | 4,216   | 3,185   | 2,521   | 805    | 197    | 247    | 417    | 327    |
| Insulated copper wire and cable—                                                                |         |         |         |         |         |         |         |        |        |        |        |        |
| Rubber-covered wire.....do.....                                                                 |         |         | 1,934   | 2,350   | 2,414   | 2,870   | 3,764   | 449    | 424    | 433    | 642    | 830    |
| Weatherproof wire.....do.....                                                                   |         |         | 1,928   | 1,340   | 1,062   | 1,041   | 1,820   | 277    | 179    | 160    | 236    | 251    |
| Telephone cable.....do.....                                                                     | 21,264  | 904     | 365     | 117     | 149     | 309     |         | 136    | 45     | 24     | 35     | 69     |
| Other insulated copper wire.....do.....                                                         |         | 8,529   | 2,128   | 2,546   | 3,387   | 3,861   |         | 1,706  | 390    | 492    | 751    | 777    |
| Other copper manufactures.....do.....                                                           |         |         |         |         |         |         | 1,238   | 517    | 237    | 278    | 501    | 570    |
| Brass and bronze.....                                                                           |         |         |         |         |         |         | 15,862  | 6,293  | 3,505  | 3,373  | 6,222  | 6,638  |
| Scrap and old.....1,000 lbs.....                                                                | 65,952  | 23,184  | 30,145  | 30,695  | 60,393  | 59,585  | 6,461   | 1,519  | 1,255  | 1,868  | 3,287  | 3,300  |
| Ingots.....do.....                                                                              |         | 1,189   | 155     | 131     | 77      | 202     |         | 105    | 11     |        | 9      | 18     |
| Bars and rods.....do.....                                                                       | 2,928   | 2,080   | 1,255   | 771     | 1,250   | 1,582   | 547     | 287    | 155    | 114    | 209    | 251    |
| Plates and sheets.....do.....                                                                   | 1,686   | 647     | 438     | 263     | 528     | 645     | 400     | 133    | 76     | 54     | 110    | 114    |
| Pipes and tubes.....do.....                                                                     | 4,236   | 3,189   | 1,545   | 855     | 708     | 905     | 1,052   | 557    | 228    | 151    | 143    | 138    |
| Pipe fittings and valves.....do.....                                                            | 3,709   | 1,859   | 827     | 943     | 1,284   | 1,456   | 2,005   | 1,014  | 486    | 479    | 720    | 818    |
| Plumbers' brass goods.....do.....                                                               | 836     | 708     | 351     | 452     | 600     | 753     | 476     | 370    | 183    | 214    | 306    | 385    |
| Wire of brass or bronze.....do.....                                                             | 1,344   | 1,335   | 233     | 240     | 417     | 375     | 439     | 815    | 51     | 50     | 99     | 97     |
| Brass wood screws.....1,000 gross.....                                                          | 556     | 306     | 76      | 42      | 65      | 69      | 152     | 66     | 21     | 14     | 21     | 20     |
| Hinges and butts of brass or bronze.....doz. prs.....                                           | 28,976  | 16,183  | 13,046  | 8,945   | 12,840  | 14,945  | 781     | 38     | 29     | 25     | 26     | 38     |
| Other hardware of brass or bronze.....do.....                                                   |         |         |         |         |         |         |         | 237    | 168    | 149    | 235    | 266    |
| Other brass and bronze manufactures.....do.....                                                 |         |         |         |         |         |         | 3,579   | 1,546  | 902    | 743    | 1,053  | 1,144  |
| Lead.....                                                                                       |         |         |         |         |         |         | 10,305  | 1,482  | 1,236  | 1,173  | 948    | 1,106  |
| In pigs, bars, etc.....1,000 lbs.....                                                           | 171,068 | 43,027  | 46,775  | 45,663  | 11,813  | 13,951  | 8,599   | 1,219  | 1,010  | 833    | 305    | 472    |
| Sheets.....do.....                                                                              |         |         | 212     | 348     | 306     | 652     |         |        | 11     | 17     | 18     | 38     |
| Pipe.....do.....                                                                                | 13,624  | 1,839   | 42      | 181     | 51      | 104     | 1,706   | 243    | 3      | 8      | 4      | 7      |
| Solder.....do.....                                                                              |         |         | 424     | 413     | 535     | 579     |         |        | 61     | 81     | 139    | 160    |
| Other lead manufactures.....do.....                                                             |         |         |         |         |         |         |         |        | 151    | 234    | 484    | 429    |
| Nickel—                                                                                         |         |         |         |         |         |         |         |        |        |        |        |        |
| Nickel, Monel metal, and alloys.....do.....                                                     | 2,353   | 1,777   | 2,059   | 1,509   | 4,576   | 3,453   | 847     | 648    | 635    | 547    | 1,505  | 1,207  |
| Manufactures.....do.....                                                                        |         |         |         |         |         |         | 950     | 438    | 432    | 505    | 739    | 1,101  |
| Tin and manufactures.....do.....                                                                |         |         |         |         |         |         | 2,155   | 186    | 162    | 818    | 677    | 777    |

<sup>6</sup> Average for years 1920 and 1930.<sup>7</sup> Average for years 1927-30.<sup>10</sup> "Vises and clamps" prior to Jan. 1, 1928.<sup>20</sup> Not including pounds of "other copper manufactures."

| Group and article                                                                                     | Quantity  |       |        |        |        |       | Value in thousands of dollars |         |         |         |         |         |
|-------------------------------------------------------------------------------------------------------|-----------|-------|--------|--------|--------|-------|-------------------------------|---------|---------|---------|---------|---------|
|                                                                                                       | 1926-1930 | 1931  | 1932   | 1933   | 1934   | 1935  | 1926-1930                     | 1931    | 1932    | 1933    | 1934    | 1935    |
| <b>GROUP 6.—METALS AND MANUFACTURES—Contd.</b>                                                        |           |       |        |        |        |       |                               |         |         |         |         |         |
| <b>F. Nonferrous metals, except precious—Continued.</b>                                               |           |       |        |        |        |       |                               |         |         |         |         |         |
| Zinc                                                                                                  |           |       |        |        |        |       | 6,564                         | 1,023   | 1,038   | 943     | 1,409   | 1,371   |
| Ore, concentrates, and dross.....1,000 lbs.                                                           | 67,708    | 792   | 356    | 1,617  | 7,242  | 922   | 1,573                         | 20      | 8       | 44      | 157     | 11      |
| Cast in slabs, plates, blocks, or pigs...do                                                           | 53,083    | 1,286 | 12,943 | 2,289  | 10,211 | 3,234 | 3,643                         | 51      | 278     | 79      | 284     | 84      |
| Rolled in sheets, strips, etc.....do                                                                  | 8,808     | 5,513 | 6,020  | 6,376  | 6,924  | 9,526 | 940                           | 491     | 453     | 468     | 569     | 765     |
| Dust.....do                                                                                           | 2,355     | 2,800 | 2,766  | 3,138  | 2,978  | 3,227 | 225                           | 204     | 189     | 234     | 234     | 238     |
| Other zinc manufactures.....do                                                                        | 2,101     | 2,046 | 1,261  | 1,343  | 1,392  | 1,581 | 263                           | 288     | 130     | 118     | 167     | 183     |
| Nickel silver, or German silver in bars, rods, or sheets.....1,000 lbs.                               | 1,307     | 410   | 237    | 330    | 531    | 663   | 318                           | 72      | 49      | 58      | 96      | 114     |
| Babbitt metal.....do                                                                                  | 1,646     | 1,005 | 752    | 824    | 977    | 1,069 | 523                           | 214     | 151     | 225     | 325     | 376     |
| Nickel chrome electric resistance wire.....do                                                         |           | 176   | 230    | 263    | 345    | 265   |                               | 253     | 251     | 285     | 373     | 325     |
| Other metal and alloys.....do                                                                         | 5,474     | 7,223 | 6,145  | 7,741  | 7,683  | 7,398 | 1,326                         | 1,682   | 921     | 1,216   | 1,424   | 1,515   |
| Plated ware, other than gold or silver.....do                                                         |           |       |        |        |        |       | 952                           | 403     | 170     | 170     | 309     | 299     |
| Type.....1,000 lbs.                                                                                   | 665       | 240   | 165    | 91     | 139    | 162   | 363                           | 121     | 67      | 60      | 78      | 85      |
| Other metal and metal composition manufactures, n. e. s.                                              |           |       |        |        |        |       | 3,887                         | 1,639   | 687     | 690     | 995     | 1,326   |
| <b>G. Precious metals, jewelry, and plated ware, except gold and silver in ore, bullion, and coin</b> |           |       |        |        |        |       | 4,457                         | 2,151   | 1,989   | 1,970   | 1,051   | 1,734   |
| Platinum—                                                                                             |           |       |        |        |        |       |                               |         |         |         |         |         |
| Ingots, sheets, wire, alloys, and scrap.....do                                                        | 8,830     | 1,209 | 20,106 | 23,686 | 1,897  | 3,271 | 741                           | 41      | 665     | 609     | 83      | 106     |
| Manufactures, except jewelry.....do                                                                   | 1,568     | 1,190 | 2,032  | 1,323  | 759    | 1,954 | 121                           | 48      | 107     | 57      | 36      | 85      |
| Jewelry                                                                                               |           |       |        |        |        |       | 1,264                         | 855     | 372     | 362     | 611     | 1,036   |
| Tableware, including cutlery—                                                                         |           |       |        |        |        |       |                               |         |         |         |         |         |
| Sterling silver                                                                                       |           |       |        |        |        |       |                               |         | 17      | 24      | 17      | 23      |
| Silver plated                                                                                         |           |       |        |        |        |       | 789                           | 247     | 74      | 82      | 105     | 136     |
| Other, including gold and pewter                                                                      |           |       |        |        |        |       |                               |         | 19      | 42      | 57      | 71      |
| Gold manufactures, n. e. s.                                                                           |           |       |        |        |        |       | 1,264                         | 861     | 641     | 142     | 91      | 142     |
| Silver manufactures, n. e. s.                                                                         |           |       |        |        |        |       | 276                           | 99      | 95      | 54      | 51      | 135     |
| <b>GROUP 7.—MACHINERY AND VEHICLES</b>                                                                |           |       |        |        |        |       | 934,545                       | 484,536 | 221,745 | 226,759 | 435,069 | 620,869 |
| Total                                                                                                 |           |       |        |        |        |       |                               |         |         |         |         |         |
| <b>A. Electrical machinery and apparatus</b>                                                          |           |       |        |        |        |       | 102,711                       | 85,941  | 43,039  | 43,660  | 66,525  | 76,088  |
| Generators—                                                                                           |           |       |        |        |        |       |                               |         |         |         |         |         |
| Direct current—                                                                                       |           |       |        |        |        |       |                               |         |         |         |         |         |
| Under 500 kilowatts.....number                                                                        | 3,367     | 899   | 293    | 167    | 233    | 388   | 1,021                         | 288     | 59      | 62      | 86      | 162     |
| 500 kilowatts and over.....do                                                                         | 80        | 7     | 2      |        |        |       | 611                           | 187     | 15      |         |         |         |
| Alternating current—                                                                                  |           |       |        |        |        |       |                               |         |         |         |         |         |
| Under 2,000 kilovolt-amperes.....do                                                                   | 308       | 234   | 100    | 97     | 200    | 472   | 239                           | 138     | 158     | 80      | 144     | 274     |
| 2,000 kilovolt-amperes and over.....do                                                                | 24        | 12    | 6      | 9      | 12     | 12    | 1,367                         | 689     | 226     | 267     | 322     |         |
| Steam turbine generator sets.....do                                                                   | 1,008     | 168   | 103    | 49     | 148    | 210   | 1,342                         | 1,024   | 109     | 746     | 267     | 259     |
| Accessories and parts for generators                                                                  |           |       |        |        |        |       | 968                           | 1,118   | 560     | 210     | 407     | 318     |

|                                                                                                       |             |          |         |         |         |          |        |        |        |        |        |        |
|-------------------------------------------------------------------------------------------------------|-------------|----------|---------|---------|---------|----------|--------|--------|--------|--------|--------|--------|
| Arc welding sets.....number.....                                                                      | 1 424       | 403      | 295     | 212     | 408     | 620      | 1 439  | 541    | 275    | 164    | 376    | 503    |
| Self-contained lighting outfits.....do.....                                                           | 4, 035      | 1, 341   | 424     | 596     | 953     | 1, 239   | 1, 129 | 339    | 115    | 137    | 209    | 285    |
| Batteries—                                                                                            |             |          |         |         |         |          |        |        |        |        |        |        |
| Flashlight batteries.....thousand cells.....                                                          | 39, 898     | 65, 690  | 47, 834 | 45, 682 | 49, 416 | 53, 098  | 2, 790 | 2, 599 | 1, 870 | 1, 552 | 1, 833 | 1, 962 |
| Radio B and C batteries (dry).....do.....                                                             |             | 6, 362   | 4, 018  | 4, 146  | 5, 949  | 7, 793   |        | 325    | 178    | 172    | 247    | 343    |
| Other batteries, n. e. s.....thousands.....                                                           | 7, 495      | 263      | 90      | 91      | 70      | 95       | 2, 157 | 110    | 87     | 70     | 69     | 111    |
| Storage batteries.....                                                                                |             |          |         |         |         |          | 3, 420 | 2, 172 | 1, 064 | 988    | 1, 589 | 1, 656 |
| 6 and 12-volt storage batteries <sup>21</sup> .....thousands.....                                     | 2 263       | 242      | 163     | 159     | 241     | 247      | 1 815  | 1, 496 | 817    | 745    | 1, 102 | 1, 111 |
| Other storage batteries.....thousand cells.....                                                       | 1 136       | 72       | 36      | 26      | 60      | 70       | 1 294  | 706    | 247    | 243    | 487    | 543    |
| No. 6 dry-cell batteries.....thousands.....                                                           | 2 439       | 1, 922   | 798     | 1, 164  | 1, 234  | 1, 196   | 1 577  | 447    | 184    | 236    | 248    | 237    |
| Transforming or converting apparatus—                                                                 |             |          |         |         |         |          |        |        |        |        |        |        |
| Power transformers, 500 kilovolt-amperes and over.....number.....                                     |             | 83       | 46      | 10      | 24      | 27       |        | 807    | 622    | 110    | 165    | 98     |
| Distribution transformers, less than 500 kilovolt-amperes.....number.....                             | 6, 401      | 2, 895   | 1, 173  | 1, 422  | 1, 855  | 1, 700   | 2, 467 | 572    | 193    | 211    | 345    | 367    |
| Instrument transformers.....do.....                                                                   | 62, 003     | 3, 820   | 1, 905  | 2, 125  | 3, 050  | 5, 305   | 1, 264 | 166    | 84     | 60     | 77     | 149    |
| Other transformers.....do.....                                                                        |             | 44, 581  | 20, 163 | 9, 051  | 15, 362 | 20, 882  |        | 491    | 219    | 115    | 188    | 263    |
| Complete battery chargers, nonrotating.....do.....                                                    |             | 4, 329   | 1, 424  | 1, 474  | 2, 155  | 3, 275   |        | 54     | 26     | 26     | 32     | 48     |
| Double current and motor generators, dynamotors, synchronous, and other converters.....number.....    | 60, 231     | 4, 736   | 2, 124  | 1, 226  | 1, 299  | 1, 757   | 1, 504 | 1, 151 | 261    | 189    | 156    | 272    |
| Transmission and distribution apparatus—                                                              |             |          |         |         |         |          |        |        |        |        |        |        |
| Switchboard panels, except telephone number.....                                                      | 4, 124      | 2, 678   |         |         |         |          | 1, 756 | 1, 712 | 819    | 137    | 280    | 322    |
| Power switches and circuit breakers over 10 amperes.....thousands.....                                | 365         | 57       |         |         |         |          | 2, 202 | 1, 282 | 502    | 548    | 522    | 954    |
| Fuses.....do.....                                                                                     | 4, 761      | 2, 289   | 1, 186  | 2, 148  | 1, 635  | 1, 632   | 422    | 186    | 80     | 84     | 117    | 123    |
| Watt-hour and other measuring meters.....number.....                                                  | 76, 951     | 68, 341  | 24, 194 | 10, 951 | 26, 941 | 51, 040  | 780    | 567    | 232    | 190    | 238    | 393    |
| Volt, watt, and ampere meters, and other recording, indicating, and testing apparatus.....number..... | 22 245, 003 |          |         |         |         |          | 2, 022 | 1, 488 | 1, 064 | 805    | 1, 248 | 1, 521 |
| Electrical indicating instruments.....do.....                                                         | 1 64, 322   | 52, 200  | 27, 446 | 71, 639 | 75, 807 | 104, 203 | 1 663  | 529    | 265    | 293    | 441    | 617    |
| Electrical recording instruments.....do.....                                                          | 1 5, 768    | 2, 829   | 2, 776  | 1, 127  | 1, 685  | 2, 730   | 1 330  | 308    | 258    | 125    | 203    | 256    |
| Other electrical testing apparatus.....do.....                                                        |             |          |         |         |         |          | 1 947  | 636    | 541    | 388    | 604    | 748    |
| Lightning arresters, choke coils, reactors, and other protective devices.....number.....              | 86, 736     |          |         |         |         |          | 813    | 607    | 336    | 310    | 345    | 498    |
| Motors, starters, and controllers—                                                                    |             |          |         |         |         |          |        |        |        |        |        |        |
| Motors 1/4 horsepower and under.....do.....                                                           |             | 112, 408 | 49, 226 | 43, 574 | 56, 241 | 63, 032  |        | 1, 436 | 493    | 404    | 532    | 540    |
| Motors over 1/4 and under 1 horsepower.....number.....                                                | 136, 572    | 13, 188  | 5, 678  | 6, 308  | 7, 816  | 8, 786   | 2, 824 | 335    | 145    | 137    | 184    | 209    |
| Stationary motors—                                                                                    |             |          |         |         |         |          |        |        |        |        |        |        |
| 1 to 200 horsepower.....do.....                                                                       | 21, 687     | 10, 459  | 3, 397  | 3, 923  | 6, 031  | 6, 821   | 3, 358 | 1, 491 | 496    | 509    | 852    | 1, 017 |
| Over 200 horsepower.....do.....                                                                       | 198         | 87       | 20      | 30      | 29      | 45       | 553    | 644    | 63     | 87     | 71     | 203    |
| Railway motors.....do.....                                                                            | 652         | 213      | 65      | 86      | 132     | 124      | 629    | 177    | 48     | 47     | 101    | 76     |
| Electric locomotives—                                                                                 |             |          |         |         |         |          |        |        |        |        |        |        |
| Railway.....do.....                                                                                   | 53          | 7        | 8       |         | 1       | 1        | 1, 022 | 169    | 787    |        |        | 53     |
| Mining and industrial.....do.....                                                                     | 117         | 80       | 89      | 57      | 94      | 96       | 613    | 440    | 136    | 194    | 364    | 546    |

<sup>1</sup> 1930 only.<sup>2</sup> Average for years 1928-30.<sup>21</sup> 6-volt storage batteries prior to 1932.<sup>22</sup> Average for years 1926 and 1927.

| Group and article                                                               | Quantity  |         |         |         |         |         | Value in thousands of dollars |        |       |       |        |        |
|---------------------------------------------------------------------------------|-----------|---------|---------|---------|---------|---------|-------------------------------|--------|-------|-------|--------|--------|
|                                                                                 | 1926-1930 | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931   | 1932  | 1933  | 1934   | 1935   |
| GROUP 7.—MACHINERY AND VEHICLES—Continued                                       |           |         |         |         |         |         |                               |        |       |       |        |        |
| A. Electrical machinery and apparatus—Continued.                                |           |         |         |         |         |         |                               |        |       |       |        |        |
| Motors, starters, and controllers—Continued.                                    |           |         |         |         |         |         |                               |        |       |       |        |        |
| Station and warehouse electric motor trucks number.....                         | 180       | 94      | 18      | 21      | 57      | 85      | 204                           | 220    | 25    | 35    | 123    | 155    |
| Starting and controlling equipment—                                             |           |         |         |         |         |         |                               |        |       |       |        |        |
| For industrial motors.....                                                      |           |         |         |         |         |         | 1,550                         | 1,256  | 479   | 403   | 711    | 823    |
| For electric railway and vehicle motors.....                                    |           |         |         |         |         |         | 210                           | 194    | 68    | 96    | 142    | 203    |
| Portable electric tools..... number.....                                        | 23,272    | 14,780  | 6,462   | 7,665   | 13,698  | 19,178  | 1,077                         | 785    | 323   | 400   | 708    | 949    |
| Accessories and parts for motors.....                                           |           |         |         |         |         |         | 2,607                         | 1,761  | 771   | 676   | 997    | 1,430  |
| Electric household refrigerators..... number.....                               | 39,256    | 55,800  | 37,719  | 60,495  | 101,366 | 119,853 | 7,084                         | 6,860  | 3,360 | 4,472 | 8,180  | 9,354  |
| Electric commercial refrigerators up to 1 ton number.....                       | 10,900    | 12,204  | 10,613  | 11,607  | 22,136  | 20,820  | 2,061                         | 1,766  | 1,372 | 1,130 | 1,917  | 1,976  |
| Parts for electric refrigerators.....                                           |           |         |         |         |         |         |                               | 3,004  | 1,963 | 2,069 | 3,475  | 3,972  |
| Electric appliances—                                                            |           |         |         |         |         |         |                               |        |       |       |        |        |
| Flashlight cases..... thousands.....                                            | 2,578     | 1,052   | 796     | 728     | 1,162   | 2,059   | 2,207                         | 530    | 300   | 264   | 513    | 696    |
| Electric fans..... number.....                                                  | 76,700    | 49,327  | 27,095  | 26,084  | 60,393  | 59,746  | 1,026                         | 434    | 223   | 170   | 336    | 359    |
| Electromechanical health exercisers..... do.....                                | 4,021     | 946     | 189     |         |         |         | 124                           | 32     | 5     |       |        |        |
| Electric lamps—                                                                 |           |         |         |         |         |         |                               |        |       |       |        |        |
| Metal filament..... thousands.....                                              | 9,454     | 6,332   | 4,251   | 5,396   | 8,891   | 10,022  | 1,426                         | 816    | 532   | 589   | 889    | 969    |
| For automobiles, flashlights, and Christmas trees..... thousands.....           | 3,110     | 3,248   | 2,242   | 2,667   | 5,127   | 5,243   | 194                           | 215    | 119   | 110   | 220    | 228    |
| Other metal filament bulbs..... do.....                                         | 5,342     | 3,084   | 2,009   | 2,729   | 3,765   | 4,779   | 1,017                         | 601    | 418   | 480   | 669    | 740    |
| Other electric lamp bulbs..... do.....                                          | 2,060     | 224     | 99      | 83      | 336     | 457     | 444                           | 90     | 44    | 37    | 83     | 94     |
| Searchlights and floodlights..... number.....                                   | 18,073    | 6,148   | 2,128   | 3,196   | 3,987   | 4,241   | 635                           | 295    | 86    | 117   | 162    | 121    |
| Motor-driven household devices—                                                 |           |         |         |         |         |         |                               |        |       |       |        |        |
| Electric washing machines..... number.....                                      | 23,328    | 15,558  | 6,710   | 3,297   | 6,083   | 12,036  | 1,566                         | 870    | 254   | 179   | 323    | 554    |
| Electric vacuum cleaners..... do.....                                           | 75,143    | 74,872  | 40,646  | 19,483  | 14,322  | 21,375  |                               | 1,184  | 377   | 210   | 230    | 334    |
| Other motor-driven devices, except tools number.....                            | 29,471    | 17,304  | 9,569   | 15,810  | 18,834  | 27,702  | 2,480                         | 451    | 176   | 209   | 321    | 434    |
| Electric flatirons..... do.....                                                 | 141,153   | 95,415  | 55,352  | 64,527  | 108,162 | 115,414 |                               | 198    | 37    | 91    | 163    | 179    |
| Domestic heating and cooking devices—                                           |           |         |         |         |         |         |                               |        |       |       |        |        |
| Electric cooking ranges..... thousands.....                                     | 7         | 6       | 2       | 2       | 3       | 4       |                               | 413    | 141   | 155   | 250    | 269    |
| Other domestic heating and cooking devices..... thousands.....                  | 295       | 207     | 118     | 117     | 137     | 194     | 1,464                         | 636    | 250   | 241   | 343    | 473    |
| Industrial electric furnaces and ovens number.....                              | 2,656     | 3,759   | 2,138   | 1,967   | 3,140   | 3,733   | 518                           | 902    | 221   | 166   | 351    | 398    |
| Therapeutic apparatus, X-ray machines, galvanic and faradic batteries, etc..... |           |         |         |         |         |         | 1,692                         | 1,123  | 641   | 667   | 1,025  | 1,416  |
| Signal and communication devices—                                               |           |         |         |         |         |         |                               |        |       |       |        |        |
| Radio apparatus—                                                                |           |         |         |         |         |         |                               |        |       |       |        |        |
| Transmitting sets and parts.....                                                |           |         |         |         |         |         | 962                           | 805    | 664   | 743   | 1,090  | 1,578  |
| Receiving sets..... number.....                                                 | 187,558   | 471,263 | 290,673 | 503,786 | 612,084 | 538,105 | 6,342                         | 14,337 | 7,322 | 9,324 | 15,338 | 15,472 |
| Radio receiving tubes..... thousands.....                                       | 990       | 2,375   | 3,769   | 5,399   | 6,682   | 6,539   | 1,450                         | 1,947  | 2,013 | 2,623 | 3,210  | 2,882  |
| Receiving-set components.....                                                   |           |         |         |         |         |         | 3,234                         | 3,888  | 2,517 | 2,784 | 4,369  | 4,674  |

|                                                   |                             |         |         |        |        |         |         |          |          |         |         |         |          |
|---------------------------------------------------|-----------------------------|---------|---------|--------|--------|---------|---------|----------|----------|---------|---------|---------|----------|
| Loud speakers.....                                | thousands.....              | \$ 232  | 231     | 138    | 120    | 145     | 200     | 3, 271   | 1, 064   | 456     | 338     | 361     | 450      |
| Other receiving-set accessories.....              |                             |         |         |        |        |         |         | 951      | 575      | 341     | 314     | 408     | 489      |
| Telegraph apparatus.....                          |                             |         |         |        |        |         |         |          | 309      | 163     | 164     | 244     | 180      |
| Telephone apparatus—                              |                             |         |         |        |        |         |         |          |          |         |         |         |          |
| Telephone instruments.....                        | number.....                 | 37, 740 | 19, 944 | 6, 871 | 6, 292 | 11, 525 | 14, 641 | 547      | 320      | 81      | 68      | 175     | 239      |
| Telephone switchboards.....                       | do.....                     | 1, 354  | 138     | 153    |        |         |         | 1, 185   | 91       | 80      |         |         |          |
| Other telephone equipment.....                    |                             |         |         |        |        |         |         | 3, 108   | 1, 467   | 669     | 731     | 1, 044  | 1, 684   |
| Bells, buzzers, annunciators, and alarms.....     |                             |         |         |        |        |         |         | 347      | 480      | 174     | 95      | 95      | 160      |
| Other electrical apparatus—                       |                             |         |         |        |        |         |         |          |          |         |         |         |          |
| Starting, lighting, and ignition equip-           |                             |         |         |        |        |         |         |          |          |         |         |         |          |
| ment (except spark plugs).....                    |                             |         |         |        |        |         |         | 1, 641   | 671      | 617     | 834     | 1, 233  | 1, 223   |
| Insulating material.....                          | 1,000 lbs.....              | 5, 554  | 2, 275  | 1, 602 | 867    | 1, 226  | 1, 161  | 1, 342   | 563      | 246     | 190     | 271     | 297      |
| Metal conduit, outlet, and switch boxes           | 1,000 lbs.....              | 13, 654 |         |        |        |         |         | 1, 258   | 584      | 307     | 343     | 450     | 540      |
| Sockets, outlets, fuel blocks, and lighting       | switches.....               | 10, 621 | 6, 972  | 3, 919 | 5, 067 | 6, 890  | 5, 708  | 1, 876   | 1, 374   | 692     | 643     | 888     | 813      |
| Electric interior lighting fixtures.....          |                             |         |         |        |        |         |         | 2, 466   | 1, 264   | 422     | 429     | 566     | 706      |
| Electric exterior lighting fixtures.....          |                             |         |         |        |        |         |         |          | 291      | 120     | 95      | 118     | 174      |
| Other wiring supplies and line material.....      |                             |         |         |        |        |         |         | 1, 318   | 886      | 382     | 321     | 537     | 663      |
| Other electrical apparatus, n. e. s.....          |                             |         |         |        |        |         |         | 9, 346   | 4, 671   | 2, 605  | 2, 238  | 3, 333  | 4, 930   |
| <b>B. Industrial machinery</b> .....              |                             |         |         |        |        |         |         | 216, 042 | 141, 835 | 58, 491 | 55, 284 | 98, 354 | 121, 784 |
| Power-generating, except electric and automo-     |                             |         |         |        |        |         |         | 25, 239  | 12, 358  | 4, 996  | 3, 846  | 6, 591  | 8, 565   |
| tive.....                                         |                             |         |         |        |        |         |         |          |          |         |         |         |          |
| Steam engines—                                    |                             |         |         |        |        |         |         |          |          |         |         |         |          |
| Stationary, except turbines.....                  | number.....                 | 392     | 55      | 26     | 38     | 53      | 55      | 463      | 37       | 50      | 66      | 66      | 91       |
| Mechanical-drive turbines.....                    | do.....                     | 87      | 61      | 33     | 15     | 23      | 27      | 533      | 268      | 309     | 21      | 31      | 62       |
| Locomotives.....                                  | do.....                     | 189     | 23      | 9      | 26     | 31      | 32      | 3, 812   | 1, 298   | 115     | 230     | 625     | 814      |
| Locomotive parts and accessories.....             |                             |         |         |        |        |         |         |          | 731      | 467     | 475     | 886     | 1, 131   |
| Other engines and parts.....                      |                             |         |         |        |        |         |         | 3, 053   | 316      | 121     | 88      | 140     | 209      |
| Steam boilers, fire tube.....                     | 1,000 sq. ft. <sup>23</sup> |         | 69      | 24     | 17     | 47      | 26      | 1, 656   | 121      | 40      | 29      | 55      | 74       |
| Steam boilers, water tube.....                    | do.....                     | 730     | 134     | 48     | 91     | 51      | 72      |          | 224      | 77      | 138     | 103     | 195      |
| Condensers, heaters, accessories.....             |                             |         |         |        |        |         |         | 777      | 408      | 221     | 91      | 241     | 213      |
| Steam specialties—injectors, gauges, safety       |                             |         |         |        |        |         |         |          |          |         |         |         |          |
| valves, steam traps, boiler-tube cleaners,        |                             |         |         |        |        |         |         | 2, 131   | 1, 079   | 675     | 507     | 972     | 1, 109   |
| etc.....                                          |                             |         |         |        |        |         |         |          |          |         |         |         |          |
| Internal-combustion engines—                      |                             |         |         |        |        |         |         |          |          |         |         |         |          |
| Stationary and portable engines—                  |                             |         |         |        |        |         |         |          |          |         |         |         |          |
| Gasoline locomotives.....                         | number.....                 | 291     | 62      | 19     | 24     | 24      | 13      | 738      | 225      | 69      | 61      | 76      | 43       |
| Diesel and semi-Diesel.....                       | do.....                     | 744     | 280     | 51     | 43     | 155     | 331     | 1, 251   | 386      | 221     | 161     | 502     | 978      |
| Other—                                            |                             |         |         |        |        |         |         |          |          |         |         |         |          |
| Not over 10 horsepower.....                       | do.....                     | 32, 357 | 7, 407  | 3, 821 | 3, 711 | 6, 311  | 10, 197 | 2, 795   | 570      | 246     | 218     | 392     | 570      |
| Over 10 horsepower.....                           | do.....                     | 3, 788  | 4, 468  | 711    | 782    | 1, 028  | 1, 410  | 2, 169   | 2, 264   | 344     | 379     | 602     | 813      |
| Marine engines, Diesel and semi-Diesel            | number.....                 | 885     | 324     | 111    | 126    | 157     | 168     | 1, 678   | 833      | 396     | 204     | 375     | 429      |
| Engine accessories and parts (carburetors).....   |                             |         |         |        |        |         |         | 3, 718   | 2, 102   | 1, 178  | 961     | 1, 356  | 1, 599   |
| Water wheels and water turbines.....              | number.....                 | 73      |         |        |        |         |         | 465      | 1, 496   | 467     | 125     | 169     | 234      |
| <b>Construction and conveying machinery</b> ..... |                             |         |         |        |        |         |         | 22, 188  | 12, 370  | 3, 828  | 2, 813  | 5, 533  | 7, 988   |
| Excavators, incl. power shovels.....              | number.....                 | 473     | 218     | 72     | 34     | 75      | 87      | 5, 845   | 3, 270   | 866     | 325     | 920     | 1, 117   |
| Excavator parts and accessories.....              |                             |         |         |        |        |         |         | 2, 037   | 1, 528   | 519     | 440     | 552     | 871      |

<sup>1</sup> 1930 only.

Average for years 1928-30.

<sup>2</sup> Average for years 1929 and 1930.<sup>3</sup> Average for years 1927-30.<sup>23</sup> Heating surface.



| Group and article                                     | Quantity  |        |        |        |        |        | Value in thousands of dollars |        |        |        |        |        |
|-------------------------------------------------------|-----------|--------|--------|--------|--------|--------|-------------------------------|--------|--------|--------|--------|--------|
|                                                       | 1926-1930 | 1931   | 1932   | 1933   | 1934   | 1935   | 1926-1930                     | 1931   | 1932   | 1933   | 1934   | 1935   |
| <b>GROUP 7.—MACHINERY AND VEHICLES—Continued</b>      |           |        |        |        |        |        |                               |        |        |        |        |        |
| <b>B. Industrial machinery—Continued.</b>             |           |        |        |        |        |        |                               |        |        |        |        |        |
| <b>Construction and conveying machinery—Con.</b>      |           |        |        |        |        |        |                               |        |        |        |        |        |
| Dredging machinery.....                               |           |        |        |        |        |        | 924                           | 772    | 424    | 178    | 407    | 765    |
| Concrete mixers..... number                           | 1,724     | 402    | 82     | 50     | 229    | 247    | 1,044                         | 261    | 73     | 38     | 125    | 132    |
| Road rollers..... do                                  | 151       | 57     | 11     | 18     | 34     | 54     | 379                           | 137    | 17     | 57     | 77     | 183    |
| Road graders..... do                                  | 1,935     | 304    | 109    | 95     | 199    | 314    | 2,241                         | 344    | 88     | 111    | 257    | 475    |
| Other road-making equipment.....                      |           |        |        |        |        |        | 2,241                         | 750    | 191    | 225    | 562    | 821    |
| Other construction equipment.....                     |           |        |        |        |        |        | 1,005                         | 426    | 168    | 116    | 277    | 375    |
| Cranes with swinging booms..... number                | 108       | 38     | 7      | 13     | 18     | 15     | 889                           | 521    | 22     | 109    | 109    | 95     |
| Other cranes..... do                                  | 278       | 70     | 22     | 29     | 34     | 44     | 1,259                         | 546    | 73     | 67     | 129    | 230    |
| Mono-rail hoists..... do                              |           | 50     | 7      | 12     | 4      | 11     |                               | 52     | 5      | 2      | 1      | 3      |
| Other hoists..... do                                  | 7,895     | 3,575  | 567    | 690    | 1,389  | 1,865  | 1,555                         | 499    | 195    | 143    | 321    | 437    |
| Derricks, except mining..... do                       |           | 16     | 12     | 7      | 8      | 24     |                               | 37     | 24     | 13     | 13     | 29     |
| Elevators, freight and passenger..... do              | 625       | 199    | 109    | 125    | 495    | 455    | 1,114                         | 603    | 357    | 190    | 644    | 579    |
| Conveyors, bucket, chain, or belt..... do             | 1,339     | 561    | 117    | 120    | 181    | 293    | 513                           | 283    | 89     | 65     | 88     | 140    |
| Other conveying equipment.....                        |           |        |        |        |        |        | 3,402                         | 2,351  | 717    | 747    | 1,051  | 1,763  |
| Mining, well, and pumping machinery.....              |           |        |        |        |        |        | 43,776                        | 26,266 | 10,566 | 18,504 | 24,214 | 28,700 |
| <b>Mining and quarrying machinery—</b>                |           |        |        |        |        |        |                               |        |        |        |        |        |
| Coal cutters..... number                              | 137       | 83     | 33     | 29     | 46     | 55     | 493                           | 249    | 114    | 89     | 183    | 220    |
| Rock drills..... do                                   | 10,559    | 5,686  | 3,301  | 3,849  | 5,381  | 6,714  | 1,829                         | 864    | 506    | 653    | 1,107  | 1,423  |
| Mine hoists and derricks..... do                      | 963       | 586    | 266    | 337    | 716    | 691    | 702                           | 838    | 171    | 221    | 447    | 511    |
| Ore crushing and sorting.....                         |           |        |        |        |        |        | 3,729                         | 2,463  | 1,030  | 983    | 1,685  | 2,440  |
| Concentrating and smelting.....                       |           |        |        |        |        |        | 970                           | 936    | 142    | 177    | 428    | 705    |
| Other mining and quarrying.....                       |           |        |        |        |        |        | 7,445                         | 4,881  | 2,118  | 2,332  | 3,645  | 4,276  |
| <b>Well and refinery machinery—</b>                   |           |        |        |        |        |        |                               |        |        |        |        |        |
| Petroleum and gas well-drilling apparatus.....        |           |        |        |        |        |        | 8,719                         | 3,557  | 1,680  | 2,692  | 6,139  | 6,745  |
| Other petroleum-well and refining machinery.....      |           |        |        |        |        |        | 10,294                        | 6,772  | 2,741  | 4,222  | 6,872  | 8,054  |
| Other well-drilling apparatus.....                    |           |        |        |        |        |        | 1,049                         | 323    | 84     | 112    | 205    | 256    |
| <b>Pumping equipment—</b>                             |           |        |        |        |        |        |                               |        |        |        |        |        |
| Centrifugal pumps..... number                         | 4,709     | 2,950  | 1,527  | 1,701  | 2,829  | 3,577  | 1,381                         | 807    | 441    | 440    | 787    | 1,093  |
| Reciprocating steam pumps <sup>1</sup> ..... do       | 5,802     | 1,636  | 857    | 910    | 1,265  | 1,598  | 1,609                         | 591    | 226    | 183    | 315    | 377    |
| Rotary pumps..... do                                  | 1,071     | 551    | 2,837  | 3,565  | 2,595  | 2,507  | 1,131                         | 91     | 82     | 97     | 108    | 127    |
| Other reciprocating power pumps <sup>2</sup> ..... do | 20,168    | 9,284  | 3,861  | 4,351  | 6,256  | 7,460  | 2,658                         | 1,358  | 425    | 427    | 846    | 959    |
| Hand and windmill pumps..... do                       | 86,975    | 24,267 | 14,748 | 19,440 | 21,556 | 25,877 | 739                           | 174    | 93     | 102    | 121    | 169    |
| Self contained water systems..... do                  |           | 487    | 401    | 424    | 604    | 587    |                               |        |        |        |        |        |
| Other pumps and parts of pumps.....                   |           |        |        |        |        |        | 2,712                         | 32     | 25     | 26     | 49     | 42     |
|                                                       |           |        |        |        |        |        |                               | 1,320  | 688    | 749    | 1,278  | 1,302  |
| <b>Power-driven metal-working machinery—</b>          |           |        |        |        |        |        |                               |        |        |        |        |        |
| Engine lathes..... number                             | 747       | 406    | 187    | 220    | 459    | 993    | 26,211                        | 36,094 | 12,024 | 8,158  | 19,435 | 27,091 |
| Turret lathes..... do                                 | 359       | 226    | 42     | 117    | 231    | 320    | 1,536                         | 1,718  | 651    | 360    | 940    | 1,369  |
| Other lathes..... do                                  | 702       | 684    | 281    | 224    | 592    | 779    | 1,018                         | 715    | 93     | 206    | 568    | 831    |
|                                                       |           |        |        |        |        |        | 1,298                         | 1,592  | 430    | 199    | 610    | 946    |

|                                                                                                                    |        |       |       |       |        |        |        |        |       |       |        |        |
|--------------------------------------------------------------------------------------------------------------------|--------|-------|-------|-------|--------|--------|--------|--------|-------|-------|--------|--------|
| Vertical boring mills and chucking machinery.....number.....                                                       | 172    | 225   | 66    | 46    | 125    | 215    | 392    | 953    | 404   | 114   | 487    | 1,061  |
| Thread-cutting and automatic screw machines.....number.....                                                        | 852    | 264   | 138   | 257   | 645    | 801    | 1,073  | 511    | 261   | 366   | 1,017  | 1,391  |
| Knee and column type milling machines.....number.....                                                              | 324    | 151   | 125   | 115   | 227    | 297    | 784    | 603    | 325   | 262   | 590    | 932    |
| Other milling machines.....do.....                                                                                 | 530    | 452   | 172   | 191   | 470    | 698    | 1,359  | 1,763  | 664   | 421   | 1,231  | 2,005  |
| Gear-cutting machines.....do.....                                                                                  | 367    | 380   | 149   | 253   | 470    | 402    | 947    | 1,003  | 679   | 607   | 1,422  | 1,441  |
| Vertical drilling machines.....do.....                                                                             | 406    | 321   | 92    | 285   | 269    | 268    | 415    | 686    | 158   | 168   | 425    | 496    |
| Radial drilling machines.....do.....                                                                               | 119    | 116   | 52    | 25    | 83     | 69     | 276    | 256    | 118   | 66    | 137    | 173    |
| Other drilling machines.....do.....                                                                                | 1,625  | 1,612 | 467   | 1,017 | 2,823  | 2,879  | 646    | 1,637  | 527   | 267   | 1,032  | 1,235  |
| Planers and shapers.....do.....                                                                                    | 455    | 304   | 85    | 62    | 128    | 212    | 723    | 808    | 194   | 104   | 206    | 577    |
| Grinding machines—                                                                                                 |        |       |       |       |        |        |        |        |       |       |        |        |
| Surface.....do.....                                                                                                | 4231   | 171   | 63    | 105   | 213    | 455    | 6324   | 515    | 131   | 206   | 356    | 934    |
| External cylindrical.....do.....                                                                                   | 699    | 401   | 132   | 109   | 277    | 233    | 1,389  | 1,397  | 349   | 291   | 774    | 889    |
| Internal.....do.....                                                                                               | 390    | 248   | 113   | 89    | 352    | 273    | 931    | 1,032  | 375   | 227   | 974    | 1,088  |
| Tool grinding, cutter grinding, and universal.....number.....                                                      | 1,054  | 789   | 348   | 454   | 905    | 1,829  | 525    | 605    | 283   | 273   | 632    | 1,236  |
| Other metal-grinding machines.....do.....                                                                          |        |       |       |       |        |        | 805    | 1,177  | 549   | 255   | 608    | 668    |
| Sheet and plate metal-working machines.....do.....                                                                 |        |       |       |       |        |        | 2,702  | 5,555  | 2,164 | 892   | 1,964  | 1,639  |
| Forging machinery.....do.....                                                                                      |        |       |       |       |        |        | 1,347  | 3,984  | 811   | 342   | 969    | 1,648  |
| Rolling-mill machinery.....do.....                                                                                 |        |       |       |       |        |        | 885    | 1,390  | 426   | 354   | 1,083  | 2,402  |
| Foundry and molding equipment.....do.....                                                                          |        |       |       |       |        |        | 1,785  | 2,284  | 343   | 443   | 446    | 984    |
| Other power-driven metal-working machinery and parts.....do.....                                                   |        |       |       |       |        |        | 4,995  | 5,250  | 2,089 | 1,735 | 2,916  | 3,066  |
| Other metal-working machinery.....do.....                                                                          |        |       |       |       |        |        | 4,172  | 4,002  | 1,844 | 1,311 | 2,345  | 2,661  |
| Pneumatic portable tools.....number.....                                                                           | 20,581 | 9,672 | 4,762 | 4,525 | 9,631  | 11,289 | 1,614  | 783    | 350   | 282   | 611    | 703    |
| Other portable and hand or foot operated metal-working machines and parts.....do.....                              |        |       |       |       |        |        | 897    | 558    | 387   | 327   | 533    | 666    |
| Chucks for machine tools.....number.....                                                                           | 18,945 | 9,074 | 5,813 | 9,927 | 15,884 | 25,464 | 239    | 129    | 38    | 57    | 110    | 171    |
| Machine-operated pipe and thread cutters, stocks, dies, taps, and other machine-operated cutting tools.....do..... |        |       |       |       |        |        |        | 1,307  | 744   | 320   | 844    | 736    |
| Other metal-working tools.....do.....                                                                              |        |       |       |       |        |        | 1,422  | 1,225  | 325   | 225   | 247    | 385    |
| Textile, sewing, and shoe machinery.....do.....                                                                    |        |       |       |       |        |        | 23,374 | 12,716 | 9,441 | 9,825 | 15,449 | 16,540 |
| Textile machinery.....do.....                                                                                      |        |       |       |       |        |        | 11,408 | 6,787  | 4,316 | 4,860 | 7,287  | 8,359  |
| Full-fashioned hosiery knitting machines, power driven.....number.....                                             | 485    | 2     | 43    | 14    | 26     | 30     | 455    | 21     | 84    | 93    | 223    | 210    |
| Circular hosiery knitting machines.....do.....                                                                     | 6,649  | 2,168 | 1,196 | 571   | 929    | 913    | 2,736  | 809    | 476   | 206   | 524    | 532    |
| Other circular knitting machines.....do.....                                                                       | 1,432  | 1,174 | 1,136 | 1,205 | 1,016  | 851    | 657    | 620    | 400   | 431   | 416    | 433    |
| Other knitting machines and parts.....do.....                                                                      |        |       |       |       |        |        | 1,394  | 750    | 498   | 416   | 593    | 553    |
| Textile winding machines.....number.....                                                                           | 1,091  | 1,569 | 1,086 | 2,161 | 2,865  | 1,653  | 2,360  | 629    | 547   | 674   | 889    | 800    |
| Cotton spinning and twisting machines.....do.....                                                                  |        |       |       |       |        |        | 525    | 463    | 196   | 260   | 748    | 832    |
| Cotton looms.....number.....                                                                                       | 1,452  | 1,292 | 580   | 1,667 | 1,015  | 604    | 543    | 378    | 194   | 422   | 476    | 224    |
| Other cotton machinery.....do.....                                                                                 |        |       |       |       |        |        | 785    | 493    | 361   | 507   | 854    | 1,003  |

<sup>1</sup> 1930 only.<sup>2</sup> Average for years 1928-30.<sup>3</sup> Average for years 1929 and 1930.<sup>4</sup> "Steam pumps" prior to 1928.<sup>5</sup> "Other power pumps" prior to 1928.

| Group and article                                         | Quantity  |        |         |        |        |        | Value in thousands of dollars |        |        |        |        |        |
|-----------------------------------------------------------|-----------|--------|---------|--------|--------|--------|-------------------------------|--------|--------|--------|--------|--------|
|                                                           | 1926-1930 | 1931   | 1932    | 1933   | 1934   | 1935   | 1926-1930                     | 1931   | 1932   | 1933   | 1934   | 1935   |
| <b>GROUP 7.—MACHINERY AND VEHICLES—Continued</b>          |           |        |         |        |        |        |                               |        |        |        |        |        |
| <b>B. Industrial machinery—Continued.</b>                 |           |        |         |        |        |        |                               |        |        |        |        |        |
| Textile, sewing, and shoe machinery—Contd.                |           |        |         |        |        |        |                               |        |        |        |        |        |
| Textile machinery—Continued.                              |           |        |         |        |        |        |                               |        |        |        |        |        |
| Wool carding and weaving machinery.....                   |           |        |         |        |        |        | 292                           | 160    | 98     | 104    | 164    | 125    |
| Silk machinery.....                                       |           |        |         |        |        |        | 542                           | 519    | 254    | 428    | 682    | 663    |
| Other textile and textile finishing machinery.....        |           |        |         |        |        |        | 3,770                         | 1,945  | 1,208  | 1,317  | 1,713  | 2,983  |
| Sewing machines—                                          |           |        |         |        |        |        |                               |        |        |        |        |        |
| For domestic use.....number                               | 173,222   | 51,811 | 112,058 | 32,947 | 86,149 | 77,549 | 4,616                         | 1,164  | 1,621  | 582    | 2,005  | 2,182  |
| For factory or industrial use.....do                      | 57,883    | 42,335 | 29,349  | 44,427 | 61,100 | 50,653 | 4,054                         | 2,740  | 2,184  | 2,804  | 4,036  | 3,795  |
| Sewing-machine parts.....                                 |           |        |         |        |        |        | 1,600                         | 1,025  | 717    | 970    | 1,497  | 1,560  |
| Shoe machinery, except sewing.....                        |           |        |         |        |        |        | 1,695                         | 1,000  | 603    | 809    | 625    | 653    |
| Other industrial machinery.....                           |           |        |         |        |        |        | 71,080                        | 39,095 | 15,792 | 15,929 | 24,788 | 30,239 |
| Cigarette, cigar-making, and other tobacco machinery..... |           |        |         |        |        |        | <sup>4</sup> 1,380            | 1,704  | 506    | 399    | 406    | 455    |
| Bakery machinery and parts.....                           |           |        |         |        |        |        | <sup>7</sup> 837              | 466    | 183    | 180    | 279    | 403    |
| Flour-mill and gristmill.....                             |           |        |         |        |        |        | 647                           | 261    | 123    | 163    | 179    | 153    |
| Rice-mill machinery.....                                  |           |        |         |        |        |        | 205                           | 65     | 79     | 71     | 95     | 70     |
| Sugar-mill machinery—                                     |           |        |         |        |        |        |                               |        |        |        |        |        |
| Cane mills.....number                                     | 3,022     | 1,007  | 431     | 416    | 668    | 1,232  | 480                           | 105    | 104    | 34     | 52     | 90     |
| Other sugar-mill machinery.....                           |           |        |         |        |        |        | 4,182                         | 1,048  | 1,002  | 980    | 1,546  | 1,794  |
| Paper and pulp-mill machinery.....                        |           |        |         |        |        |        | 3,633                         | 1,276  | 696    | 450    | 708    | 633    |
| Paper-converting machinery and parts.....                 |           |        |         |        |        |        |                               |        |        | 445    | 634    | 499    |
| Woodworking machinery—                                    |           |        |         |        |        |        |                               |        |        |        |        |        |
| Sawmill machinery.....                                    |           |        |         |        |        |        | 877                           | 528    | 176    | 158    | 208    | 290    |
| Planers, matchers, jointers, and molders.....number       | 208       | 60     | 19      | 39     | 93     | 140    | 235                           | 74     | 11     | 30     | 82     | 77     |
| Veneer machinery.....                                     |           |        |         |        |        |        | <sup>2</sup> 80               | 26     | 30     | 38     | 74     | 70     |
| Other woodworking machinery and parts.....                |           |        |         |        |        |        | 1,809                         | 888    | 293    | 349    | 678    | 721    |
| Blowers and ventilating machinery.....                    |           |        |         |        |        |        | 1,366                         | 1,077  | 427    | 414    | 782    | 468    |
| Bottling and bottle-washing machinery.....                |           |        |         |        |        |        | <sup>1</sup> 1,636            | 339    | 317    | 364    | 441    | 703    |
| Brewers' machinery.....                                   |           |        |         |        |        |        | 981                           | 355    | 61     | 86     | 135    | 148    |
| Ice-making equipment.....                                 |           |        |         |        |        |        | 776                           | 565    | 350    | 356    | 453    | 681    |
| Refrigerating equipment—                                  |           |        |         |        |        |        |                               |        |        |        |        |        |
| Up to 1 ton capacity <sup>28</sup> .....                  |           |        |         |        |        |        | 2,548                         | 285    | 56     | 102    | 133    | 137    |
| Over 1 and up to 10 tons capacity <sup>29</sup> .....     |           |        |         |        |        |        |                               |        |        |        |        |        |
| Over 10 tons refrigerating capacity.....                  |           |        |         |        |        |        | 846                           | 289    | 221    | 96     | 172    | 298    |
| Air-conditioning equipment, including portable.....       |           |        |         |        |        |        |                               |        |        |        |        | 321    |
| Oil-mill machinery.....                                   |           |        |         |        |        |        | 866                           | 241    | 138    | 251    | 380    | 760    |

|                                                                         |         |         |         |         |         |         |        |        |        |        |        |        |
|-------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| Cotton gins, cotton presses, and parts.....                             |         |         |         |         |         |         | 490    | 268    | 47     | 211    | 1,014  | 1,560  |
| Ball and roller bearings, and parts.....                                |         |         |         |         |         |         | 2,464  | 1,751  | 720    | 777    | 1,429  | 1,968  |
| Air compressors—                                                        |         |         |         |         |         |         |        |        |        |        |        |        |
| Capacity up to 25 cubic feet..... number                                | 11,431  | 5,647   | 2,465   | 2,945   | 3,894   | 3,788   | 1,162  | 513    | 192    | 211    | 301    | 301    |
| Capacity over 25 cubic feet..... do                                     | 3,964   | 1,387   | 631     | 827     | 1,051   | 1,227   | 4,932  | 1,577  | 1,078  | 857    | 1,357  | 1,390  |
| Portable air compressors..... do                                        |         | 520     | 412     | 342     | 455     | 577     |        | 441    | 457    | 353    | 650    | 1,011  |
| Meat and other grinding and slicing machines..... number                | 731,470 | 6,799   | 2,230   | 2,684   | 5,417   | 8,592   | 7994   | 728    | 224    | 213    | 375    | 544    |
| Paint-spraying equipment..... do                                        |         |         |         |         |         |         | 671    | 409    | 169    | 158    | 242    | 341    |
| Laundry machinery—                                                      |         |         |         |         |         |         |        |        |        |        |        |        |
| Power-driven laundry machines for commercial laundries..... number      | 2,591   | 1,022   | 198     | 145     | 305     | 220     | 1,483  | 839    | 147    | 64     | 160    | 91     |
| Other laundry and dry-cleaning equipment..... do                        |         |         |         |         |         |         | 1,780  | 1,143  | 363    | 333    | 563    | 585    |
| Gas meters..... number                                                  | 22,978  | 8,035   |         |         |         |         | 326    | 110    | 81     | 121    | 108    | 122    |
| Water meters..... do                                                    | 29,940  | 47,981  |         |         |         |         | 455    | 395    | 102    | 482    | 412    | 349    |
| Iron or steel body valves for steam, water, oil, and gas..... thousands | 5249    | 104     |         |         |         |         | 3,619  | 1,320  | 610    | 824    | 1,458  | 1,324  |
| Other parts, n. e. s.....                                               |         |         |         |         |         |         | 32,999 | 19,090 | 6,549  | 6,160  | 8,959  | 11,234 |
| <b>C. Office appliances.</b>                                            |         |         |         |         |         |         | 44,969 | 24,982 | 14,869 | 15,798 | 23,681 | 27,039 |
| Accounting and calculating machines—                                    |         |         |         |         |         |         |        |        |        |        |        |        |
| Billing and bookkeeping machines..... number                            | 10,545  | 4,609   | 2,688   | 2,697   | 3,543   | 3,909   | 5,311  | 3,310  | 1,701  | 1,598  | 2,478  | 2,554  |
| Listing-adding-bookkeeping..... do                                      | 74,577  | 1,354   | 565     | 512     | 986     | 903     | 72,681 | 1,338  | 562    | 525    | 984    | 916    |
| Typewriter-bookkeeping-billing..... do                                  | 76,483  | 3,255   | 2,122   | 2,185   | 2,557   | 3,006   | 73,119 | 1,072  | 1,139  | 1,073  | 1,493  | 1,638  |
| Nonlisting adding machines..... do                                      | 72,037  | 240     | 67      |         |         |         | 7148   | 616    | 4      |        |        |        |
| Listing-adding machines..... do                                         | 31,562  | 16,036  | 11,386  | 13,538  | 19,025  | 21,277  | 3,088  | 1,568  | 884    | 1,065  | 1,652  | 1,841  |
| Calculating machines..... do                                            | 12,431  | 5,417   | 2,950   | 3,648   | 6,688   | 8,372   | 2,143  | 899    | 485    | 578    | 1,206  | 1,586  |
| Card punching, sorting, and tabulating machines..... number             | 1,430   | 1,484   | 935     | 1,223   | 1,541   | 1,761   | 1,057  | 999    | 844    | 1,068  | 1,723  | 1,897  |
| Other, including used and rebuilt..... do                               | 3,864   | 7,954   | 4,366   | 5,419   | 6,767   | 6,379   | 276    | 272    | 234    | 474    | 495    | 422    |
| Parts for accounting and calculating machines.....                      |         |         |         |         |         |         |        | 841    | 540    | 738    | 989    | 1,430  |
| Duplicating machines, parts and supplies for cash registers..... number | 36,182  | 22,142  | 8,292   | 8,435   | 10,749  | 11,393  | 656    | 602    | 442    | 401    | 510    | 438    |
| Parts of cash registers.....                                            |         |         |         |         |         |         | 7,302  | 4,082  | 1,450  | 1,503  | 2,059  | 2,132  |
| Typewriters.....                                                        |         |         |         |         |         |         | 767    | 378    | 263    | 349    | 450    | 640    |
| Standard typewriters, new..... number                                   | 368,542 | 211,945 | 139,902 | 166,390 | 236,107 | 262,068 | 19,918 | 9,852  | 6,300  | 6,480  | 10,103 | 12,041 |
| Portable typewriters, new..... do                                       | 203,806 | 87,574  | 46,918  | 54,478  | 91,330  | 115,700 | 14,006 | 5,838  | 3,214  | 3,402  | 5,947  | 7,713  |
| Used and rebuilt typewriters..... do                                    | 123,633 | 84,287  | 72,720  | 50,792  | 93,457  | 103,628 | 4,629  | 2,996  | 2,601  | 1,787  | 2,326  | 3,023  |
| Typewriter parts..... do                                                | 41,103  | 40,084  | 20,264  | 35,120  | 51,320  | 42,742  | 1,284  | 1,018  | 485    | 1,220  | 1,330  | 1,305  |
| Other office appliances.....                                            |         |         |         |         |         |         | 1,044  | 693    | 617    | 673    | 848    | 678    |
|                                                                         |         |         |         |         |         |         | 3,291  | 1,469  | 804    | 861    | 1,198  | 1,350  |
| <b>D. Printing machinery.</b>                                           |         |         |         |         |         |         | 18,097 | 8,888  | 4,711  | 5,890  | 8,268  | 8,405  |
| Typesetting machines..... number                                        | 1,377   | 702     | 298     | 505     | 718     | 642     | 4,584  | 2,334  | 1,016  | 1,680  | 2,595  | 2,221  |
| Printing presses..... do                                                | 2,799   | 1,244   | 480     | 841     | 1,497   | 1,765   | 5,989  | 2,116  | 1,435  | 1,554  | 2,392  | 3,246  |
| Bookbinding machinery and accessories.....                              |         |         |         |         |         |         | 433    | 323    | 254    | 385    | 454    | 278    |
| Other printing and typesetting machinery and accessories.....           |         |         |         |         |         |         | 5,437  | 3,895  | 1,816  | 2,061  | 2,813  | 2,659  |

<sup>1</sup> 1930 only.<sup>2</sup> Average for years 1928-30.<sup>4</sup> Average for years 1929 and 1930.<sup>7</sup> Average for years 1927-30.<sup>3</sup> Total refrigerators, including household electric, up to 10 tons refrigerating capacity prior to 1927 and over 1 and up to 10 tons, in 1927 and 1928.

| Group and article                                        | Quantity            |         |           |         |         |         | Value in thousands of dollars |        |        |        |        |        |
|----------------------------------------------------------|---------------------|---------|-----------|---------|---------|---------|-------------------------------|--------|--------|--------|--------|--------|
|                                                          | 1926-1930           | 1931    | 1932      | 1933    | 1934    | 1935    | 1926-1930                     | 1931   | 1932   | 1933   | 1934   | 1935   |
| <b>GROUP 7.—MACHINERY AND VEHICLES—Continued</b>         |                     |         |           |         |         |         |                               |        |        |        |        |        |
| <b>E. Agricultural machinery and implements</b>          |                     |         |           |         |         |         |                               |        |        |        |        |        |
| Bee-keeping equipment.....                               |                     |         |           |         |         |         | 109,901                       | 57,403 | 10,548 | 12,215 | 21,543 | 32,040 |
| Cream separators.....                                    |                     |         |           |         |         |         | <sup>6</sup> 115              | 71     | 24     | 22     | 65     | 62     |
| Other dairy machinery and parts.....                     | 12,491              | 9,062   | 6,992     | 5,850   | 3,335   | 1,850   | 722                           | 508    | 361    | 334    | 200    | 80     |
| Incubators and brooders.....                             |                     |         |           |         |         |         | 1,455                         | 666    | 374    | 322    | 622    | 795    |
| Other poultry equipment, n. e. s.....                    | 27,869              | 9,768   | 2,642     | 1,429   | 2,017   | 3,369   | <sup>1</sup> 719              | 292    | 82     | 53     | 95     | 111    |
| Sprayers and dusters.....                                |                     |         |           |         |         |         | <sup>6</sup> 241              | 140    | 82     | 70     | 77     | 99     |
| For trees and crops.....                                 |                     | 3,699   | 1,826     | 1,740   | 3,046   | 4,810   |                               | 186    | 116    | 86     | 164    | 251    |
| Small sprayers for garden and household use.....         | 58,755              | 914,199 | 1,016,346 | 465,614 | 596,071 | 984,971 | 406                           | 201    | 109    | 76     | 114    | 153    |
| Implements of cultivation—                               |                     |         |           |         |         |         |                               |        |        |        |        |        |
| Horse and power plows.....                               | 184,546             | 53,433  | 15,164    | 30,636  | 68,341  | 99,352  | 6,227                         | 1,397  | 370    | 400    | 943    | 1,251  |
| Harrows.....                                             | 32,690              | 3,320   | 1,185     | 1,724   | 5,427   | 9,034   | 1,768                         | 193    | 82     | 96     | 232    | 361    |
| Cultivators, horse and power.....                        | 58,802              | 19,535  | 6,728     | 10,752  | 26,843  | 31,740  | 1,137                         | 504    | 95     | 103    | 274    | 383    |
| Planters, horse and power.....                           | 11,308              | 5,046   | 623       | 1,730   | 6,133   | 9,631   | 487                           | 569    | 32     | 54     | 151    | 291    |
| Drills and seeders, horse and power.....                 | 18,639              | 1,703   | 553       | 988     | 2,212   | 2,630   | 1,808                         | 221    | 57     | 41     | 144    | 165    |
| Other cultivating implements and parts.....              |                     |         |           |         |         |         | 4,716                         | 1,763  | 895    | 1,075  | 1,541  | 1,748  |
| Harvesting machinery—                                    |                     |         |           |         |         |         |                               |        |        |        |        |        |
| Mowers, except lawn.....                                 | 14,084              | 2,026   | 1,037     | 778     | 2,788   | 4,537   | 874                           | 138    | 74     | 51     | 186    | 319    |
| Lawn mowers, hand and power.....                         | 100,890             | 40,576  | 15,449    | 20,614  | 30,560  | 34,433  | 791                           | 332    | 142    | 131    | 201    | 226    |
| Hayrakes and tedders.....                                | 8,246               | 908     | 247       | 473     | 1,689   | 2,234   | 315                           | 38     | 10     | 20     | 69     | 90     |
| Grain harvesters and binders.....                        | 26,224              | 4,055   | 1,389     | 1,425   | 1,336   | 2,956   | 4,800                         | 718    | 226    | 253    | 230    | 517    |
| Combines (reapers, threshers).....                       | 6,785               | 2,608   | 332       | 405     | 500     | 1,256   | 8,730                         | 6,237  | 480    | 473    | 627    | 1,633  |
| Other harvesting implements and parts.....               |                     |         |           |         |         |         | 4,103                         | 2,146  | 693    | 1,050  | 1,054  | 1,583  |
| Seed separators—                                         |                     |         |           |         |         |         |                               |        |        |        |        |        |
| Threshers.....                                           | 4,115               | 214     | 123       | 134     | 182     | 222     | 3,913                         | 218    | 101    | 119    | 180    | 188    |
| Corn shellers.....                                       | 15,942              | 2,862   | 547       | 1,500   | 3,133   | 2,450   | 280                           | 54     | 5      | 11     | 34     | 35     |
| Other separators and parts.....                          |                     |         |           |         |         |         | 1,696                         | 500    | 95     | 183    | 216    | 472    |
| Feed cutters, grinders, and crushers.....                | 7,318               | 3,212   | 1,988     | 2,266   | 3,245   | 3,423   | 342                           | 199    | 147    | 90     | 257    | 214    |
| Wheel tractors.....                                      | 51,933              | 27,079  | 1,629     | 2,403   | 5,330   | 8,741   | 40,096                        | 26,981 | 1,485  | 1,515  | 3,834  | 7,102  |
| 14 belt horsepower and under.....                        | <sup>5</sup> 5,441  | 2,082   | 60        | 96      | 387     | 454     | <sup>5</sup> 2,937            | 1,445  | 38     | 48     | 202    | 249    |
| 15 to 32 belt horsepower.....                            | <sup>5</sup> 39,778 | 24,269  | 1,396     | 1,996   | 4,302   | 6,471   | <sup>5</sup> 35,893           | 24,194 | 1,211  | 1,376  | 2,816  | 4,872  |
| 33 and over belt horsepower.....                         | <sup>5</sup> 5,184  | 711     | 168       | 304     | 617     | 1,708   | <sup>5</sup> 6,432            | 1,327  | 234    | 386    | 798    | 1,899  |
| Wheel tractors less wheels.....                          | <sup>6</sup> 637    | 17      | 5         | 7       | 24      | 108     | <sup>6</sup> 623              | 16     | 3      | 5      | 18     | 82     |
| Track-laying tractors.....                               | 3,413               | 1,739   | 887       | 1,197   | 2,389   | 3,137   | 7,036                         | 4,120  | 1,539  | 2,100  | 4,613  | 6,704  |
| Track-laying tractors less tracks.....                   | <sup>6</sup> 632    | 11      | 2         | 1       | 4       | 7       | <sup>5</sup> 1,064            | 26     | 7      | 4      | 7      | 9      |
| Engines for tractors.....                                | 1,055               | 28      | 15        | 101     | 46      | 178     | 462                           | 6      | 19     | 35     | 52     | 130    |
| Parts and accessories for tractors.....                  |                     |         |           |         |         |         | 10,066                        | 6,815  | 2,045  | 2,297  | 3,420  | 4,665  |
| Windmills.....                                           | 22,160              | 4,694   | 2,465     | 3,927   | 7,679   | 8,662   | 1,369                         | 291    | 121    | 179    | 388    | 422    |
| Towers and parts of windmills, except pumps.....         |                     |         |           |         |         |         | 776                           | 150    | 97     | 158    | 249    | 263    |
| Hay presses, hand and power.....                         | 929                 | 140     | 58        | 95      | 245     | 330     | 275                           | 46     | 20     | 31     | 78     | 100    |
| Other agricultural machinery, implements, and parts..... |                     |         |           |         |         |         | 3,814                         | 1,694  | 567    | 476    | 1,229  | 1,617  |

**F. Automobiles and other vehicles.**

|                                                            |         |        |        |        |         |         |         |         |        |         |         |         |
|------------------------------------------------------------|---------|--------|--------|--------|---------|---------|---------|---------|--------|---------|---------|---------|
| <b>Automobiles, parts, and accessories.</b>                |         |        |        |        |         |         | 444,823 | 167,705 | 90,082 | 104,211 | 216,712 | 255,514 |
| <b>Electric trucks and passenger cars, number.</b>         | 113     |        |        |        |         |         | 406,164 | 148,125 | 76,255 | 90,630  | 190,216 | 227,290 |
| <b>Motor trucks, busses, and chassis.</b>                  | 118,473 | 48,248 | 24,964 | 43,516 | 92,723  | 99,080  | 75,190  | 25,101  | 11,717 | 20,113  | 44,207  | 50,582  |
| Under 1 ton.                                               |         | 7,768  | 2,226  | 4,779  | 9,576   | 9,982   |         | 2,683   | 606    | 1,401   | 3,159   | 3,369   |
| 1 and not over 1½ tons.                                    |         | 34,997 | 19,745 | 32,325 | 71,649  | 72,103  |         | 15,273  | 7,927  | 12,386  | 30,169  | 32,814  |
| Over 1½, not over 2½ tons.                                 |         | 3,611  | 2,090  | 4,941  | 9,340   | 14,057  |         | 4,174   | 1,745  | 4,028   | 7,552   | 10,380  |
| Over 2½ tons.                                              |         | 1,375  | 758    | 1,206  | 1,763   | 2,403   |         | 2,449   | 1,303  | 2,167   | 3,079   | 3,572   |
| Bns chassis.                                               |         | 176    | 18     | 26     | 69      | 266     |         | 399     | 65     | 27      | 111     | 322     |
| Secondhand trucks and busses.                              |         | 321    | 127    | 239    | 326     | 269     |         | 123     | 72     | 113     | 138     | 126     |
| <b>Passenger cars and chassis.</b>                         | 275,627 | 82,457 | 41,440 | 64,511 | 145,157 | 173,681 | 197,649 | 50,007  | 23,591 | 32,100  | 78,258  | 94,974  |
| Not over \$850.                                            |         | 66,142 | 35,533 | 59,694 | 133,417 | 161,535 |         | 31,735  | 16,960 | 26,734  | 65,364  | 81,868  |
| Over \$850, not over \$1,200.                              |         | 9,986  | 3,299  | 2,639  | 7,753   | 8,759   |         | 9,582   | 3,143  | 2,542   | 7,483   | 8,305   |
| Over \$1,200, not over \$2,000.                            |         | 2,787  | 1,238  | 1,088  | 2,018   | 1,463   |         | 4,000   | 1,638  | 1,662   | 3,063   | 2,224   |
| Over \$2,000.                                              |         | 1,515  | 586    | 333    | 726     | 815     |         | 3,836   | 1,544  | 867     | 1,874   | 2,114   |
| Secondhand passenger cars.                                 |         | 2,027  | 784    | 757    | 1,243   | 1,109   |         | 853     | 305    | 295     | 475     | 463     |
| <b>Parts of, except tires—</b>                             |         |        |        |        |         |         |         |         |        |         |         |         |
| <b>Automobile engines—</b>                                 |         |        |        |        |         |         |         |         |        |         |         |         |
| For motor trucks and busses.                               |         | 10,750 | 6,034  | 1,659  | 2,180   | 4,242   | 9,261   | 1,141   | 854    | 286     | 290     | 553     |
| For passenger cars.                                        |         | 88,420 | 13,958 | 20,663 | 19,397  | 22,005  | 29,193  | 9,315   | 1,516  | 1,584   | 1,173   | 1,399   |
| <b>Automobile parts for assembly.</b>                      |         |        |        |        |         |         |         | 62,237  | 39,963 | 21,048  | 18,348  | 36,247  |
| <b>Automobile parts for replacement.</b>                   |         |        |        |        |         |         |         | 52,187  | 27,468 | 16,278  | 16,761  | 26,429  |
| <b>Automobile pistons.</b>                                 |         |        |        |        |         |         |         |         |        | 321     | 312     | 609     |
| <b>Automotive piston rings.</b>                            |         |        |        |        |         |         |         |         |        | 440     | 363     | 520     |
| <b>Automotive valves.</b>                                  |         |        |        |        |         |         |         |         |        | 117     | 61      | 98      |
| <b>Automotive differential and transmission gears.</b>     |         |        |        |        |         |         |         |         |        | 452     | 475     | 633     |
| <b>Automotive starter and timing gears.</b>                |         |        |        |        |         |         |         |         |        | 68      | 66      | 65      |
| <b>Automotive gears, n. e. s.</b>                          |         |        |        |        |         |         |         |         |        | 365     | 252     | 422     |
| <b>Spark plugs.</b>                                        |         |        |        |        |         |         |         |         |        | 1,811   | 1,300   | 1,606   |
| <b>Automobile and truck springs.</b>                       |         |        |        |        |         |         |         |         |        | 262     | 271     | 536     |
| <b>Other parts for replacement, n. e. s.</b>               |         |        |        |        |         |         |         | 51,144  | 25,548 | 12,943  | 13,672  | 21,917  |
| <b>Automobile accessories.</b>                             |         |        |        |        |         |         |         | 8,277   | 3,216  | 1,753   | 1,845   | 3,123   |
| <b>Automobile shock absorbers and stabilizers.</b>         |         |        |        |        |         |         |         | 825     | 326    | 103     | 54      | 128     |
| <b>Automobile bumpers.</b>                                 |         |        |        |        |         |         |         | 201     | 57     | 6       | 12      | 35      |
| <b>Automobile horns, hand and electric.</b>                |         |        |        |        |         |         |         | 325     | 199    | 178     | 203     | 372     |
| <b>Other accessories, n. e. s.</b>                         |         |        |        |        |         |         |         | 6,834   | 2,634  | 1,467   | 1,577   | 2,588   |
| <b>Automobile service appliances, n. e. s.</b>             |         |        |        |        |         |         |         | 6,927   | 3,719  | 1,451   | 1,049   | 2,416   |
| <b>Automobile tire-service equipment.</b>                  |         |        |        |        |         |         |         | 858     | 317    | 105     | 81      | 221     |
| <b>Pumps for gasoline and oil.</b>                         |         |        |        |        |         |         |         | 3,145   | 955    | 362     | 214     | 567     |
| <b>Other service appliances.</b>                           |         |        |        |        |         |         |         | 2,922   | 2,447  | 984     | 754     | 1,628   |
| <b>Automotive fire engines.</b>                            |         |        |        |        |         |         |         | 135     | 95     | 64      | 24      | 31      |
| <b>Trailers.</b>                                           |         |        |        |        |         |         |         | 457     | 208    | 295     | 127     | 189     |
| <b>Airplanes, seaplanes, and other aircraft.</b>           |         |        |        |        |         |         |         | 2,643   | 1,813  | 4,359   | 5,391   | 8,195   |
| <b>Engines for aircraft.</b>                               |         |        |        |        |         |         |         | 948     | 1,432  | 1,518   | 1,452   | 4,459   |
| <b>Parachutes and parts.</b>                               |         |        |        |        |         |         |         |         |        | 313     | 87      | 148     |
| <b>Other aircraft parts and accessories, except tires.</b> |         |        |        |        |         |         |         | 1,316   | 1,623  |         |         |         |
|                                                            |         |        |        |        |         |         |         |         | 1,756  | 2,240   | 4,861   | 5,070   |

<sup>a</sup> Average for years 1928-30.

<sup>a</sup> Average for years 1929 and 1930.

| Group and article                                             | Quantity  |         |         |         |         |         | Value in thousands of dollars |         |        |        |        |         |
|---------------------------------------------------------------|-----------|---------|---------|---------|---------|---------|-------------------------------|---------|--------|--------|--------|---------|
|                                                               | 1926-1930 | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931    | 1932   | 1933   | 1934   | 1935    |
| <b>GROUP 7.—MACHINERY AND VEHICLES—Contd.</b>                 |           |         |         |         |         |         |                               |         |        |        |        |         |
| <b>F. Automobiles and other vehicles—Continued.</b>           |           |         |         |         |         |         |                               |         |        |        |        |         |
| Cycles—                                                       |           |         |         |         |         |         |                               |         |        |        |        |         |
| Bicycles.....number                                           | 5,024     | 1,434   | 795     | 1,033   | 1,177   | 1,120   | 131                           | 36      | 18     | 20     | 27     | 26      |
| Motorcycles.....do                                            | 17,620    | 6,469   | 1,969   | 2,309   | 3,518   | 3,639   | 3,063                         | 1,302   | 414    | 513    | 812    | 863     |
| Parts and accessories, except tires                           |           |         |         |         |         |         | 1,816                         | 567     | 336    | 294    | 357    | 333     |
| Motorboats with engines installed.....number                  | 404       | 205     | 96      | 133     | 317     | 275     | 766                           | 416     | 210    | 139    | 493    | 706     |
| Internal-combustion marine engines, except Diesel—            |           |         |         |         |         |         |                               |         |        |        |        |         |
| Detachable motors (outboard).....number                       | 8,149     | 4,166   | 2,293   | 3,296   | 4,011   | 4,840   | 1,143                         | 419     | 209    | 227    | 321    | 328     |
| Other.....do                                                  | 3,015     | 1,352   | 519     | 662     | 1,136   | 1,210   | 1,461                         | 1,356   | 216    | 242    | 632    | 467     |
| Railway cars—                                                 |           |         |         |         |         |         |                               |         |        |        |        |         |
| Passenger service—                                            |           |         |         |         |         |         |                               |         |        |        |        |         |
| Electric railway.....do                                       | 78        | 22      | 28      |         | 42      | 23      | 657                           | 30      | 440    |        | 165    | 29      |
| Steam railway.....do                                          | 232       | 25      | 3       | 1       | 22      | 114     | 1,558                         | 586     | 18     | 2      | 362    | 335     |
| Self-propelled railway and tram cars.....do                   | 6,427     | 533     | 308     | 304     | 287     | 513     | 6,405                         | 665     | 332    | 77     | 300    | 132     |
| Freight cars.....do                                           | 3,516     | 867     | 179     | 248     | 448     | 1,266   | 4,247                         | 1,523   | 187    | 331    | 294    | 2,049   |
| Mine cars.....do                                              | 1,474     | 334     | 88      | 115     | 185     | 443     | 414                           | 136     | 11     | 13     | 22     | 48      |
| Air-brake equipment                                           |           |         |         |         |         |         | 1,030                         | 317     | 265    | 146    | 292    | 568     |
| Parts, except axles and wheels                                |           |         |         |         |         |         | 4,085                         | 1,344   | 810    | 681    | 1,107  | 1,439   |
| Railway signals and attachments                               |           |         |         |         |         |         | 838                           | 873     | 100    | 108    | 116    | 325     |
| Railway car-heating equipment                                 |           |         |         |         |         |         |                               |         | 24     | 34     | 72     | 78      |
| Wagons and drays.....number                                   | 4,971     | 882     | 189     | 422     | 828     | 822     | 483                           | 131     | 49     | 25     | 53     | 74      |
| Wheelbarrows.....do                                           | 93,158    | 16,800  | 9,721   | 13,547  | 25,540  | 30,427  | 373                           | 63      | 32     | 48     | 92     | 112     |
| Pushcarts and hand trucks.....do                              | 12,406    | 5,733   | 2,599   | 2,450   | 4,223   | 3,939   | 246                           | 120     | 60     | 44     | 92     | 101     |
| Wheels, except automobile and car.....thousands               | 112       | 89      | 67      | 66      | 69      | 114     | 257                           | 123     | 55     | 57     | 86     | 166     |
| Other vehicles and parts                                      |           |         |         |         |         |         | 3,103                         | 674     | 295    | 202    | 500    | 761     |
| <b>GROUP 8.—CHEMICALS AND RELATED PRODUCTS</b>                |           |         |         |         |         |         |                               |         |        |        |        |         |
| Total.....                                                    |           |         |         |         |         |         | 134,814                       | 100,027 | 70,348 | 76,771 | 92,665 | 103,092 |
| <b>A. Coal-tar products</b>                                   |           |         |         |         |         |         |                               |         |        |        |        |         |
| Benzol.....1,000 gals.                                        | 28,843    | 21,861  | 3,241   | 8,439   | 9,692   | 14,666  | 15,940                        | 10,808  | 8,762  | 12,421 | 13,264 | 13,598  |
| Crude and refined coal tar.....do                             | 6 5,390   | 3,905   | 22,000  | 32,505  | 26,400  | 7,630   | 7,049                         | 3,795   | 612    | 1,594  | 1,761  | 2,513   |
| Coal-tar pitch.....tons of 2,240 lbs.                         | 6 18,513  | 50,667  | 187,722 | 199,088 | 168,457 | 81,854  | 1,297                         | 207     | 889    | 1,376  | 1,149  | 364     |
| Cresote oil.....1,000 gals.                                   |           | 1,494   | 114     | 137     | 195     | 349     |                               | 493     | 2,125  | 2,414  | 2,026  | 895     |
| Colors, dyes, stains, and color lakes.....1,000 lbs.          | 30,074    | 20,313  | 16,097  | 18,740  | 17,942  | 19,631  | 6,300                         | 4,739   | 4,071  | 4,653  | 5,680  | 6,873   |
| Other coal-tar products exclusive of medicinal.....1,000 lbs. |           | 13,443  | 15,042  | 27,534  | 27,956  | 51,682  | 1,293                         | 860     | 1,033  | 2,361  | 2,657  | 2,879   |
| <b>B. Medicinal and pharmaceutical preparations</b>           |           |         |         |         |         |         |                               |         |        |        |        |         |
| Castor oil.....gals.                                          | 6 80,783  | 70,107  | 41,857  | 42,755  | 53,962  | 39,737  | 20,081                        | 15,036  | 9,966  | 9,816  | 10,845 | 12,199  |
| White mineral oil.....do                                      | 6 281,721 | 321,464 | 321,120 | 413,636 | 446,460 | 665,260 | 6 133                         | 117     | 56     | 58     | 66     | 50      |
| Biologics (antitoxins, serums, vaccines, etc.)                |           |         |         |         |         |         | 6 371                         | 329     | 201    | 205    | 215    | 244     |
|                                                               |           |         |         |         |         |         | 2,036                         | 2,347   | 1,832  | 1,798  | 1,724  | 1,794   |

|                                                                                      |          |        |        |        |        |        |        |        |        |       |        |        |
|--------------------------------------------------------------------------------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|
| For animal and veterinary use.....                                                   |          |        |        |        |        |        |        | 444    | 390    | 349   | 338    | 343    |
| Serums and antitoxins for human use.....                                             |          |        |        |        |        |        |        | 836    | 829    | 691   | 669    | 706    |
| Vaccines for human use.....                                                          |          |        |        |        |        |        |        | 249    | 217    | 137   | 91     | 109    |
| Glandular products, organotherapeutics,<br>enzymes, ferments, and culture media..... |          |        |        |        |        |        |        | 817    | 596    | 621   | 626    | 636    |
| Elixirs, cordials, tinctures, extracts, and simi-<br>lar liquid solutions.....       |          |        |        |        |        |        |        | 1,049  | 854    | 813   | 1,000  | 1,221  |
| Tablets, pills, capsules, powders, and similar<br>manufactures.....                  |          |        |        |        |        |        | 17,657 | 2,160  | 1,524  | 1,688 | 2,122  | 2,317  |
| Household pharmaceuticals in small packages.....                                     |          |        |        |        |        |        |        | 540    | 334    | 298   |        | 324    |
| Proprietary medicinal preparations.....                                              |          |        |        |        |        |        |        | 8,495  | 5,165  | 4,956 | 5,536  | 6,249  |
| Mouthwashes, gargles, and personal anti-<br>septics.....                             |          |        |        |        |        |        |        | 554    | 377    | 352   | 411    | 364    |
| Plasters.....                                                                        |          |        |        |        |        |        |        | 460    | 412    | 295   | 322    | 322    |
| Liniments.....                                                                       |          |        |        |        |        |        |        | 625    | 476    | 207   | 152    | 175    |
| Salves and ointments.....                                                            |          |        |        |        |        |        |        | 1,993  | 1,925  | 892   | 1,009  | 1,044  |
| Cold, cough, and bronchial preparations.....                                         |          |        |        |        |        |        |        | 511    | 633    | 306   | 239    | 375    |
| Asthma, catarrh, and hay-fever prepara-<br>tions, including inhalants.....           |          |        |        |        |        |        |        |        |        |       |        |        |
| Tonics, blood purifiers, emulsions, and<br>appetizers.....                           |          |        |        |        |        |        |        | 208    | 176    | 168   | 202    | 272    |
| Laxatives, purgatives, and cathartics.....                                           |          |        |        |        |        |        |        | 3,220  | 1,387  | 828   | 1,159  | 1,362  |
| Milk of magnesia.....                                                                |          |        |        |        |        |        |        | 283    | 1,049  | 802   | 622    | 762    |
| Other proprietary medicinal preparations.....                                        |          |        |        |        |        |        |        |        | 195    | 143   | 187    | 151    |
|                                                                                      |          |        |        |        |        |        |        |        | 1,657  | 1,140 | 1,070  | 1,422  |
| <b>C. Industrial chemical specialties.....</b>                                       |          |        |        |        |        |        |        | 13,006 | 13,754 | 9,949 | 10,663 | 11,804 |
| Nicotine sulphate..... 1,000 lbs.                                                    | \$ 326   | 248    | 146    | 155    | 181    | 369    |        | 206    | 203    | 105   | 89     | 112    |
| Lead arsenate..... do.                                                               | \$ 1,643 | 1,788  | 1,190  | 599    | 650    | 1,157  |        | 199    | 176    | 96    | 46     | 53     |
| Calcium arsenate..... do.                                                            | \$ 2,499 | 2,146  | 2,534  | 2,586  | 3,356  | 4,105  |        | 135    | 101    | 101   | 131    | 169    |
| Other agricultural insecticides, etc. do.                                            |          | 6,975  | 6,473  | 5,851  | 7,708  | 7,538  |        |        | 718    | 595   | 540    | 639    |
| Household insecticides, etc. do.                                                     |          | 7,355  | 2,725  | 3,460  | 3,917  | 5,349  |        |        | 2,185  | 827   | 1,189  | 1,121  |
| Household disinfectants, deodorants, etc. do.                                        | 20,093   | 2,440  | 1,448  | 1,486  | 1,841  | 1,573  |        |        | 283    | 149   | 148    | 180    |
| Baking powder..... do.                                                               | 4,952    | 4,177  | 2,570  | 2,779  | 2,753  | 2,502  |        | 1,705  | 1,269  | 616   | 579    | 572    |
| Petroleum jelly..... do.                                                             | 6,976    | 11,064 | 10,199 | 11,766 | 13,665 | 14,817 |        |        | 788    | 611   | 669    | 776    |
| Tobacco extracts..... do.                                                            | 1,981    | 1,294  | 1,316  | 1,292  | 1,259  | 1,217  |        | 432    | 219    | 210   | 195    | 186    |
| Dextrine or British gum..... do.                                                     | 21,239   | 12,671 | 9,750  | 14,600 | 16,180 | 4,474  |        | 920    | 536    | 358   | 486    | 605    |
| Rubber compounding agents (accelerators, re-<br>tarders, etc.)..... 1,000 lbs.       |          | 2,192  | 1,470  | 1,796  | 2,233  | 2,616  |        |        | 1,157  | 759   | 819    | 830    |
| Cementing preparations, for repairing, sealing,<br>and adhesive use..... 1,000 lbs.  |          | 2,894  | 2,298  | 3,224  | 3,998  | 4,954  |        |        | 502    | 371   | 430    | 611    |
| Textile specialty compounds..... do.                                                 |          | 4,116  | 5,590  | 5,896  | 4,296  | 4,241  |        |        | 287    | 240   | 219    | 226    |
| Water softeners, purifiers, boiler and feed-<br>water compounds..... 1,000 lbs.      | \$ 3,092 | 2,249  | 1,610  | 1,969  | 1,888  | 2,351  |        | 365    | 280    | 217   | 255    | 246    |
| Metal-working compounds..... do.                                                     | \$ 1,809 | 1,041  | 700    | 616    | 979    | 1,846  |        | 276    | 159    | 110   | 80     | 112    |
| Polishes—                                                                            |          |        |        |        |        |        |        |        |        |       |        |        |
| Metal and stove polishes..... do.                                                    | 2,033    | 868    | 741    | 780    | 746    | 790    |        | 305    | 127    | 106   | 113    | 106    |
| Shoe polishes..... do.                                                               | 3,016    | 1,805  | 1,083  | 1,094  | 1,309  | 1,464  |        | 876    | 406    | 257   | 271    | 320    |
| Leather dressings and stains..... do.                                                |          | 1,823  | 2,649  | 3,025  | 2,221  | 2,853  |        |        | 362    | 338   | 363    | 324    |
| Floor wax, wood and furniture polishes<br>1,000 lbs.....                             | 4,275    | 1,314  | 691    | 811    | 701    | 825    |        | 888    | 241    | 130   | 150    | 129    |
| Automobile polishes..... do.                                                         |          | 1,098  | 788    | 583    | 776    | 914    |        |        | 209    | 187   | 137    | 167    |
| Other chemical specialty compounds, n. o. s.....                                     |          |        |        |        |        |        |        | 3,536  | 3,454  | 3,564 | 3,786  | 4,159  |

<sup>a</sup> Average for years 1928-30.

<sup>b</sup> Average for years 1929 and 1930.

<sup>c</sup> Average for years 1927-30.



| Group and article                                             | Quantity  |         |         |         |         |         | Value in thousands of dollars |        |        |        |        |        |
|---------------------------------------------------------------|-----------|---------|---------|---------|---------|---------|-------------------------------|--------|--------|--------|--------|--------|
|                                                               | 1926-1930 | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931   | 1932   | 1933   | 1934   | 1935   |
| GROUP 8.—CHEMICALS, ETC.—Continued                            |           |         |         |         |         |         |                               |        |        |        |        |        |
| D. Industrial chemicals                                       |           |         |         |         |         |         | 24,502                        | 19,774 | 14,958 | 16,811 | 21,677 | 23,628 |
| Acids and anhydrides—                                         |           |         |         |         |         |         |                               |        |        |        |        |        |
| Organic (exclusive of coal-tar acids) <sup>27</sup>           |           |         |         |         |         |         |                               |        |        |        |        |        |
| 1,000 lbs.                                                    |           | 559     | 359     | 447     | 1,798   | 3,147   |                               | 90     | 63     | 84     | 243    | 290    |
| Inorganic—                                                    |           |         |         |         |         |         |                               |        |        |        |        |        |
| Boric (boracic) do                                            | \$ 3,797  | 4,221   | 3,352   | 5,410   | 8,303   | 8,761   | \$ 165                        | 194    | 145    | 218    | 345    | 377    |
| Hydrochloric (muriatic) <sup>27</sup> do                      |           | 3,999   | 6,410   | 3,235   | 4,041   | 6,558   |                               | 70     | 97     | 56     | 65     | 98     |
| Sulphuric do                                                  | 7,233     | 3,202   | 3,031   |         |         |         | 148                           | 60     | 49     |        |        |        |
| Other inorganic acids and anhydrides <sup>27</sup>            |           |         |         | 9,405   | 9,651   | 9,878   |                               |        |        | 373    | 420    | 352    |
| 1,000 lbs.                                                    | 14,080    | 4,251   | 6,590   |         |         |         | 820                           | 296    | 271    |        |        |        |
| Alcohols—                                                     |           |         |         |         |         |         |                               |        |        |        |        |        |
| Methanol do                                                   | 540       | 583     | 770     | 1,119   | 772     | 619     | 367                           | 241    | 324    | 478    | 361    | 300    |
| Butanol (butyl alcohol) <sup>28</sup> do                      |           | 861     | 1,507   | 4,891   | 3,358   | 2,135   |                               | 105    | 138    | 440    | 332    | 205    |
| Glycerin do                                                   | 1,099     | 328     | 260     |         |         | 3,354   | 179                           | 48     | 29     |        |        | 450    |
| Other alcohols <sup>28</sup> do                               | \$ 2,811  | 1,862   | 1,407   | 2,120   | 4,181   | 2,643   | 367                           | 178    | 131    |        | 402    | 252    |
| Acetone do                                                    | \$ 5,600  | 3,846   | 4,404   | 3,508   | 3,534   | 2,884   | \$ 492                        | 283    | 318    | 255    | 324    | 296    |
| Formaldehyde (formalin) do                                    | 2,670     | 2,905   | 2,103   | 2,373   | 2,598   | 2,498   | 221                           | 163    | 101    | 121    | 125    | 134    |
| Citrate of lime do                                            |           | 5,044   | 6,245   | 8,036   | 6,181   | 1,579   |                               | 584    | 464    | 497    | 371    | 109    |
| Carbon bisulphide do                                          |           | 2,091   | 2,958   | 2,995   | 4,341   | 4,398   |                               | 126    | 145    | 141    | 209    | 200    |
| Other organic chemicals do                                    | \$ 955    | 3,445   | 7,760   | 9,458   | 16,738  | 21,236  | \$ 181                        | 572    | 1,075  | 1,288  | 2,574  | 3,310  |
| Nitro oraceto cellulose solutions, colloidon, etc. 1,000 lbs. | \$ 1,815  | 2,200   | 2,018   | 2,526   | 3,096   | 3,408   | \$ 509                        | 536    | 373    | 477    | 619    | 671    |
| Aluminum sulphate do                                          | 47,086    | 55,335  | 43,099  | 56,540  | 61,763  | 66,182  | 549                           | 568    | 463    | 544    | 594    | 685    |
| Other aluminum compounds do                                   | \$ 1,135  | 1,749   | 653     | 855     | 976     | 1,382   | \$ 115                        | 171    | 59     | 70     | 93     | 126    |
| Calcium chloride do                                           | 4,297     | 2,834   | 2,287   | 2,310   | 2,909   | 4,496   | 184                           | 121    | 93     | 84     | 115    | 164    |
| Calcium carbide do                                            | \$ 36,775 | 48,703  | 35,494  | 31,421  | 61,429  | 61,471  | \$ 439                        | 567    | 378    | 312    | 566    | 525    |
| Copper sulphate (blue vitriol) do                             | 6,231     | 7,191   | 4,133   | 2,749   | 3,859   | 4,508   | 326                           | 277    | 115    | 93     | 129    | 142    |
| Hydrogen peroxide (or dioxide) do                             | \$ 2,078  | 1,320   | 593     | 575     | 544     | 460     | \$ 344                        | 208    | 88     | 91     | 86     | 68     |
| Potassium compounds (not fertilizer) do                       | 3,618     | 2,318   | 1,773   | 2,550   | 4,242   | 7,281   | 500                           | 371    | 241    | 302    | 467    | 637    |
| Sodium compounds, n. e. s.                                    | 509,694   | 502,689 | 410,582 | 446,151 | 483,120 | 532,861 | 10,548                        | 9,982  | 7,332  | 7,739  | 8,974  | 9,476  |
| Bichromate and chromate do                                    | 7,383     | 4,407   | 6,178   | 9,702   | 8,350   | 7,301   | 476                           | 288    | 326    | 486    | 493    | 464    |
| Cyanide do                                                    | 1,552     | 1,121   | 839     | 434     | 611     | 1,006   | 243                           | 161    | 114    | 66     | 89     | 141    |
| Borate (borax) do                                             | 112,770   | 173,876 | 179,282 | 175,353 | 207,287 | 228,395 | 2,625                         | 3,359  | 2,678  | 2,498  | 2,907  | 3,242  |
| Silicate (water glass) do                                     | 57,977    | 58,577  | 50,343  | 43,895  | 21,304  | 15,758  | 532                           | 523    | 401    | 320    | 213    | 203    |
| Carbonate (soda ash, sal soda) do                             | 68,348    | 64,335  | 33,318  | 60,836  | 69,012  | 89,336  | 1,269                         | 984    | 545    | 810    | 990    | 1,139  |
| Bicarbonate (acid soda or baking soda) 1,000 lbs.             | 19,020    | 18,711  | 14,019  | 14,936  | 15,196  | 13,477  | 357                           | 330    | 252    | 246    | 254    | 227    |
| Hydroxide (caustic soda) do                                   | 114,211   | 131,189 | 110,977 | 121,321 | 131,651 | 139,137 | 3,363                         | 3,465  | 2,360  | 2,611  | 2,992  | 2,999  |
| Sodium phosphate do                                           |           | 6,129   | 5,686   | 7,778   | 10,181  | 7,111   |                               | 188    | 168    | 183    | 250    | 197    |
| Other sodium compounds, n. e. s. do                           | 119,432   | 44,324  | 9,940   | 11,895  | 19,528  | 20,841  | 1,683                         | 664    | 375    | 520    | 785    | 863    |

|                                                                               |           |           |         |           |           |           |        |        |        |        |        |        |
|-------------------------------------------------------------------------------|-----------|-----------|---------|-----------|-----------|-----------|--------|--------|--------|--------|--------|--------|
| Tin compounds.....do.....                                                     | 604       | 653       | 582     | 105       | 203       | 129       | 182    | 127    | 90     | 35     | 69     | 45     |
| Gases, compressed and liquified—                                              |           |           |         |           |           |           |        |        |        |        |        |        |
| Ammonia, anhydrous.....do.....                                                | 2,170     | 1,892     | 999     | 1,146     | 1,257     | 1,623     | 343    | 235    | 134    | 149    | 160    | 207    |
| Chlorine.....do.....                                                          | 6,731     | 8,843     | 6,383   | 13,413    | 11,429    | 11,605    | 249    | 248    | 161    | 277    | 265    | 295    |
| Other gases, n. e. s.....do.....                                              | 2,662     | 2,398     | 5,178   | 16,426    | 22,357    | 23,070    | 397    | 344    | 348    | 412    | 512    | 674    |
| Other industrial chemicals.....do.....                                        |           |           |         |           |           |           | 8,399  | 5,035  | 1,844  | 2,077  | 3,256  | 3,539  |
| <b>E. Pigments, paints, and varnishes</b>                                     |           |           |         |           |           |           | 23,397 | 15,127 | 10,366 | 11,835 | 14,307 | 16,344 |
| Mineral earth pigments—                                                       |           |           |         |           |           |           |        |        |        |        |        |        |
| Ocher, umber, sienna, and other forms of iron oxide for paints.....1,000 lbs. |           | 16,812    | 6,354   | 6,718     | 21,401    | 27,953    |        | 272    | 177    | 142    | 273    | 278    |
| Other mineral earth pigments (whiting, barytes, etc.).....1,000 lbs.          | 39,014    | 16,444    | 9,083   | 14,890    | 9,148     | 20,378    | 923    | 157    | 109    | 210    | 132    | 195    |
| Chemical pigments—                                                            |           |           |         |           |           |           |        |        |        |        |        |        |
| Zinc oxide.....do.....                                                        | 28,938    | 10,262    | 2,523   | 1,443     | 2,309     | 2,281     | 1,868  | 717    | 196    | 122    | 196    | 171    |
| Lithopone.....do.....                                                         | 6,239     | 7,642     | 6,425   | 2,373     | 4,802     | 4,743     | 321    | 341    | 270    | 108    | 200    | 222    |
| Bone black and lampblack.....do.....                                          | 3,434     | 2,773     | 1,182   | 1,344     | 1,587     | 1,385     | 204    | 181    | 73     | 90     | 97     | 106    |
| Carbon black.....do.....                                                      | 69,527    | 96,714    | 100,072 | 152,286   | 120,620   | 142,185   | 5,815  | 5,079  | 4,436  | 5,552  | 5,541  | 6,673  |
| Red lead, and litharge <sup>27</sup> .....do.....                             | 4,522     | 6,174     | 3,972   | 4,215     | 3,435     | 4,061     | 381    | 385    | 191    | 207    | 202    | 235    |
| White lead.....do.....                                                        | 12,487    | 10,017    | 3,362   | 2,065     | 3,121     | 4,674     | 973    | 562    | 174    | 120    | 203    | 278    |
| Other chemical pigments.....do.....                                           | 6,668     | 5,837     | 4,570   | 5,467     | 7,906     | 7,007     | 787    | 740    | 609    | 789    | 1,120  | 1,100  |
| Bituminous paints, liquid and plastic                                         |           |           |         |           |           |           | 612    | 479    | 267    | 340    | 412    | 411    |
| Paste paint.....1,000 lbs.                                                    | 1,721     | 4,054     | 1,625   | 1,332     | 1,645     | 1,995     |        | 529    | 255    | 198    | 253    | 302    |
| Ready-mixed paints, stains, and enamels.....1,000 gals.                       |           | 1,599     | 1,045   | 1,202     | 1,813     | 2,175     | 7,961  | 3,309  | 2,015  | 2,147  | 3,271  | 3,805  |
| Kalsomine or cold-water paints, dry.....1,000 lbs.                            | 8,104     | 6,359     | 4,549   | 4,464     | 5,001     | 6,458     | 437    | 333    | 236    | 227    | 248    | 313    |
| Nitrocellulose (pyroxylin) lacquers—                                          |           |           |         |           |           |           |        |        |        |        |        |        |
| Thinners for nitrocellulose lacquers.....1,000 gals.                          |           | 305       | 205     | 318       | 500       | 645       |        | 370    | 220    | 281    | 423    | 51     |
| Pigmented.....do.....                                                         |           | 333       | 226     | 337       | 421       | 426       |        | 950    | 604    | 813    | 1,000  | 1,008  |
| Clear.....do.....                                                             |           | 94        | 79      | 61        | 87        | 101       | 2,585  | 198    | 160    | 117    | 179    | 211    |
| Varnishes (oil or spirit, and liquid dryers).....1,000 gals.                  | 1,265     | 377       | 293     | 353       | 355       | 393       |        | 547    | 359    | 391    | 457    | 520    |
| <b>F. Fertilizers and fertilizer materials</b>                                |           |           |         |           |           |           |        |        |        |        |        |        |
| tons of 2,240 lbs.                                                            | 1,336,703 | 1,243,667 | 846,752 | 1,027,726 | 1,306,301 | 1,484,080 | 17,917 | 13,011 | 8,653  | 8,260  | 12,537 | 14,809 |
| Nitrogenous fertilizer materials—                                             |           |           |         |           |           |           |        |        |        |        |        |        |
| Ammonium sulphate.....do.....                                                 | 127,861   | 66,902    | 14,742  | 14,257    | 25,629    | 78,426    | 6,046  | 2,220  | 408    | 362    | 714    | 2,040  |
| Other nitrogenous chemical materials.....do.....                              | 15,264    | 65,829    | 166,981 | 97,348    | 157,819   | 136,739   | 754    | 2,479  | 4,357  | 2,152  | 3,799  | 3,134  |
| Nitrogenous organic waste materials.....do.....                               |           | 5,883     | 8,927   | 11,157    | 16,751    | 12,196    |        | 129    | 156    | 215    | 422    | 196    |
| Phosphate materials—                                                          |           |           |         |           |           |           |        |        |        |        |        |        |
| Phosphate rock—                                                               |           |           |         |           |           |           |        |        |        |        |        |        |
| High-grade hard rock.....do.....                                              | 91,103    | 105,293   | 66,009  | 42,364    | 97,612    | 129,806   | 724    | 614    | 406    | 295    | 673    | 818    |
| Land pebble and other.....do.....                                             | 895,778   | 846,012   | 547,026 | 786,695   | 895,881   | 974,588   | 4,203  | 3,663  | 2,390  | 3,249  | 4,336  | 4,956  |
| Superphosphates (acid phosphates).....do.....                                 | 91,470    | 81,537    | 23,883  | 35,371    | 59,148    | 54,965    | 1,429  | 941    | 259    | 334    | 606    | 534    |

<sup>1</sup> Average for years 1928-30.

<sup>2</sup> Average for years 1920 and 1930.

<sup>27</sup> "Organic (exclusive of coal-tar acids)" and "Hydrochloric (muriatic)" included in "Other inorganic acids and anhydrides" prior to 1931.

<sup>28</sup> Butanol (butyl alcohol) included in "Other alcohols" prior to 1931.

<sup>29</sup> "Red lead" prior to Jan. 1, 1927, and "red lead, litharge and orange mineral", Jan. 1, 1929 to Dec. 31, 1931

| Group and article                                                                 | Quantity  |        |        |        |        |         | Value in thousands of dollars |        |        |        |        |        |
|-----------------------------------------------------------------------------------|-----------|--------|--------|--------|--------|---------|-------------------------------|--------|--------|--------|--------|--------|
|                                                                                   | 1926-1930 | 1931   | 1932   | 1933   | 1934   | 1935    | 1926-1930                     | 1931   | 1932   | 1933   | 1934   | 1935   |
| GROUP 8.—CHEMICALS, ETC.—Continued                                                |           |        |        |        |        |         |                               |        |        |        |        |        |
| F. Fertilizers and fertilizer materials—Continued                                 |           |        |        |        |        |         |                               |        |        |        |        |        |
| Potash fertilizer materials..... tons of 2,240 lbs.                               | 14,542    | 28,982 | 1,816  | 25,077 | 24,990 | 67,842  | 613                           | 1,267  | 70     | 902    | 918    | 1,992  |
| Prepared fertilizer mixtures..... do.                                             | 27,508    | 5,778  | 1,608  | 2,600  | 2,858  | 5,440   | 1,167                         | 227    | 58     | 80     | 100    | 187    |
| Nitrogenous phosphatic (concentrated chemical fertilizer)..... tons of 2,240 lbs. | 80,922    | 33,146 | 13,030 | 15,472 | 19,460 | 20,094  | 3,347                         | 1,281  | 454    | 522    | 751    | 797    |
| Other fertilizers..... do.                                                        |           | 37,401 | 15,760 | 18,867 | 6,153  | 3,984   |                               | 190    | 94     | 149    | 218    | 154    |
| G. Explosives, fuses, etc.                                                        |           |        |        |        |        |         | 4,072                         | 1,733  | 1,281  | 1,527  | 2,162  | 2,439  |
| Explosives—                                                                       |           |        |        |        |        |         |                               |        |        |        |        |        |
| Smokeless powder..... 1,000 lbs.                                                  | 854       | 246    | 181    | 123    | 179    | 155     | 704                           | 196    | 132    | 60     | 106    | 87     |
| Dynamite..... do.                                                                 | 13,840    | 5,546  | 4,607  | 6,053  | 7,331  | 9,846   | 1,964                         | 754    | 600    | 794    | 933    | 1,261  |
| Other explosives..... do.                                                         | 3,214     | 1,326  | 815    | 709    | 1,291  | 1,069   | 460                           | 227    | 174    | 199    | 340    | 170    |
| Fuses and blasting caps—                                                          |           |        |        |        |        |         |                               |        |        |        |        |        |
| Safety fuses..... 1,000 lin. ft.                                                  | 92,765    | 68,077 | 51,076 | 61,685 | 89,375 | 101,110 | 575                           | 376    | 252    | 298    | 459    | 537    |
| Blasting caps..... 1,000 caps.                                                    | 34,508    | 8,427  | 7,214  | 10,685 | 18,741 | 23,731  | 368                           | 180    | 123    | 167    | 314    | 385    |
| H. Soap and toilet preparations.                                                  |           |        |        |        |        |         |                               |        |        |        |        |        |
| Soap—                                                                             |           |        |        |        |        |         | 15,998                        | 11,282 | 8,422  | 5,436  | 6,180  | 7,208  |
| Medicated..... 1,000 lbs.                                                         | 2,563     | 452    | 307    | 326    | 267    | 254     | 358                           | 261    | 189    | 181    | 169    | 143    |
| Toilet and fancy..... do.                                                         | 7,286     | 5,062  | 4,618  | 5,960  | 5,969  | 7,637   | 2,272                         | 1,020  | 708    | 716    | 856    | 1,073  |
| Laundry..... do.                                                                  | 49,965    | 23,820 | 22,957 | 14,310 | 13,096 | 12,134  | 3,420                         | 1,756  | 1,215  | 621    | 640    | 636    |
| Powdered or flaked..... do.                                                       | 2,296     | 1,703  | 890    | 800    | 1,009  | 1,066   | 521                           | 137    | 71     | 64     | 80     | 103    |
| Shaving soaps (creams, powders, and sticks)..... 1,000 lbs.                       | 1,127     | 1,282  | 901    | 515    | 535    | 621     | 508                           | 421    | 266    | 184    | 202    | 237    |
| Other..... do.                                                                    | 8,174     | 1,971  | 1,160  | 811    | 1,005  | 1,124   | 842                           | 178    | 103    | 77     | 78     | 96     |
| Scouring soaps and powders..... do.                                               | 7,744     | 7,964  | 3,522  | 3,077  | 2,882  | 3,490   | 502                           | 528    | 262    | 242    | 228    | 252    |
| Household washing powders..... do.                                                |           |        | 562    | 612    | 819    | 797     |                               |        | 32     | 36     | 42     | 44     |
| Dental creams..... do.                                                            | 3,119     | 2,215  | 1,487  | 1,268  | 1,386  | 1,830   | 2,771                         | 2,080  | 1,172  | 1,001  | 1,219  | 1,409  |
| Other dentifrices..... do.                                                        | 612       | 846    | 358    | 268    | 268    | 347     | 338                           | 164    | 136    | 107    | 99     | 214    |
| Talcum and other toilet powders..... do.                                          |           |        |        |        |        |         | 1,594                         | 1,245  | 647    | 618    | 598    | 711    |
| Creams, rouges, and other cosmetics..... do.                                      |           |        |        |        |        |         | 2,078                         | 1,889  | 792    | 768    | 1,010  | 1,142  |
| Manicuring preparations..... do.                                                  |           |        |        |        |        |         |                               | 376    | 188    | 180    | 232    | 274    |
| Depilatories and deodorants..... do.                                              |           |        |        |        |        |         |                               | 382    | 71     | 74     | 54     | 65     |
| Hair preparations..... do.                                                        |           |        |        |        |        |         |                               | 375    | 326    | 348    | 356    | 388    |
| Perfumery and toilet waters..... do.                                              |           |        |        |        |        |         | 371                           | 143    | 99     | 120    | 114    | 128    |
| Other toilet preparations..... do.                                                |           |        |        |        |        |         | 1,450                         | 327    | 146    | 97     | 192    | 294    |
| GROUP 9.—MISCELLANEOUS                                                            |           |        |        |        |        |         |                               |        |        |        |        |        |
| Total.....                                                                        |           |        |        |        |        |         | 142,693                       | 94,717 | 62,639 | 56,093 | 69,069 | 76,332 |
| A. Photographic and projection goods.                                             |           |        |        |        |        |         |                               |        |        |        |        |        |
| Cameras..... thousands.                                                           | 502       | 408    | 204    | 222    | 675    | 621     | 24,360                        | 20,139 | 13,538 | 12,536 | 15,524 | 17,336 |
|                                                                                   |           |        |        |        |        |         | 2,338                         | 1,383  | 901    | 931    | 1,281  | 1,339  |



| Group and article                                                              | Quantity    |         |         |         |         |         | Value in thousands of dollars |       |       |       |       |       |       |
|--------------------------------------------------------------------------------|-------------|---------|---------|---------|---------|---------|-------------------------------|-------|-------|-------|-------|-------|-------|
|                                                                                | 1926-1930   | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931  | 1932  | 1933  | 1934  | 1935  |       |
| GROUP 9.—MISCELLANEOUS—Continued                                               |             |         |         |         |         |         |                               |       |       |       |       |       |       |
| C. Musical instruments—Continued.                                              |             |         |         |         |         |         |                               |       |       |       |       |       |       |
| Phonograph records.....                                                        | thousands   | 8,361   | 3,328   | 993     | 1,734   | 1,466   | 949                           | 3,245 | 851   | 258   | 179   | 245   | 267   |
| Band instruments.....                                                          | number      | 15,140  | 5,456   | 2,624   | 3,550   | 6,679   | 6,404                         | 606   | 233   | 111   | 116   | 248   | 270   |
| String instruments.....                                                        | do          | 57,838  | 26,201  | 15,392  | 18,764  | 26,572  | 35,074                        | 305   | 144   | 75    | 81    | 180   | 183   |
| Other musical instruments, parts, and accessories.....                         |             |         |         |         |         |         |                               | 2,278 | 1,132 | 439   | 305   | 350   | 409   |
| D. Miscellaneous office supplies.....                                          |             |         |         |         |         |         |                               |       |       |       |       |       |       |
| Pencils and pens.....                                                          |             |         |         |         |         |         |                               | 9,335 | 5,805 | 3,528 | 3,017 | 3,481 | 3,719 |
| Refrillable pencils and pencil leads.....                                      |             |         |         |         |         |         |                               | 800   | 477   | 286   | 176   | 208   | 204   |
| Other pencils.....                                                             | 1,000 doz   | 6,171   | 3,962   | 2,171   | 2,060   | 3,054   | 3,169                         | 1,175 | 608   | 285   | 274   | 451   | 473   |
| Metallic pens except gold.....                                                 | 1,000 gross | 363     | 323     | 94      | 86      | 105     | 109                           | 189   | 177   | 54    | 52    | 68    | 63    |
| Fountain pens.....                                                             | do          | 117,379 | 77,479  | 46,794  | 26,914  | 16,290  |                               | 1,614 | 954   | 607   | 308   | 175   |       |
| Writing ink.....                                                               |             |         |         |         |         |         |                               | 233   | 131   | 112   | 109   | 857   | 190   |
| Printer's and lithographic ink.....                                            | 1,000 lbs   | 10,986  | 6,523   | 4,843   | 4,916   | 5,406   | 5,606                         | 1,420 | 947   | 694   | 708   | 281   | 834   |
| Other ink.....                                                                 | do          | 642     | 280     | 199     | 213     | 250     |                               | 259   | 164   | 112   | 108   | 123   | 118   |
| Paste and mucilage.....                                                        | do          | 3,286   | 1,740   | 637     | 809     | 574     | 801                           | 340   | 169   | 71    | 72    | 67    | 75    |
| Carbon paper.....                                                              | do          | 1,273   | 840     | 631     | 547     | 633     | 719                           | 931   | 615   | 390   | 349   | 405   | 443   |
| Typewriter ribbons.....                                                        | dozens      | 228,439 | 192,346 | 145,420 | 151,212 | 121,845 | 142,670                       | 667   | 522   | 332   | 303   | 284   | 321   |
| Paper clips and binders, penholders, inkstands, and other office supplies..... |             |         |         |         |         |         |                               | 1,707 | 1,041 | 585   | 560   | 725   | 997   |
| E. Toys, athletic, and sporting goods.....                                     |             |         |         |         |         |         |                               |       |       |       |       |       |       |
| Toys.....                                                                      |             |         |         |         |         |         |                               | 4,770 | 3,275 | 1,741 | 1,623 | 2,339 | 2,993 |
| Dolls and parts.....                                                           |             |         |         |         |         |         |                               | 197   | 125   | 59    | 58    | 127   | 219   |
| Toy wheel goods and parts.....                                                 |             |         |         |         |         |         |                               | 7,709 | 204   | 111   | 85    | 126   | 192   |
| Mechanical toys.....                                                           |             |         |         |         |         |         |                               | 203   | 215   | 55    | 57    | 152   | 252   |
| Other toys, except rubber.....                                                 |             |         |         |         |         |         |                               | 1,485 | 904   | 551   | 654   | 966   | 1,182 |
| Athletic and sporting goods.....                                               |             |         |         |         |         |         |                               |       |       |       |       |       |       |
| Fishing rods, reels, hooks, bait, and tackle.....                              |             |         |         |         |         |         |                               | 379   | 373   | 252   | 263   | 289   | 351   |
| Golf, tennis, foot, basket, and base balls.....                                |             |         |         |         |         |         |                               | 260   | 170   | 107   | 69    | 76    | 85    |
| Other athletic and sporting goods, except shoes, clothing, and firearms.....   |             |         |         |         |         |         |                               | 1,200 | 936   | 504   | 312   | 421   | 469   |
| Amusement-park and playground devices.....                                     |             |         |         |         |         |         |                               | 479   | 348   | 102   | 125   | 183   | 245   |
| F. Firearms and ammunition.....                                                |             |         |         |         |         |         |                               |       |       |       |       |       |       |
| Firearms and ordnance.....                                                     |             |         |         |         |         |         |                               | 5,509 | 2,184 | 1,868 | 2,652 | 4,069 | 3,211 |
| Revolvers and pistols.....                                                     | number      | 54,678  | 14,192  | 11,328  | 14,323  | 13,344  | 12,724                        | 931   | 254   | 198   | 311   | 237   | 243   |
| Rifles.....                                                                    | do          | 49,095  | 17,896  | 10,174  | 12,145  | 36,852  | 45,078                        | 641   | 194   | 94    | 154   | 285   | 360   |
| Shotguns.....                                                                  | do          | 54,556  | 17,227  | 4,815   | 10,062  | 13,110  | 14,664                        | 471   | 168   | 52    | 78    | 110   | 138   |
| Machine and heavy ordnance guns and carriages.....                             | number      | 683     | 140     | 416     | 929     | 1,134   | 669                           | 235   | 50    | 224   | 788   | 552   | 723   |

|                                                                                         |               |       |       |        |        |        |        |        |        |        |        |        |        |
|-----------------------------------------------------------------------------------------|---------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ammunition—                                                                             |               |       |       |        |        |        |        |        |        |        |        |        |        |
| Shot shells.....                                                                        | thousands     |       |       |        |        |        | 17     | 814    | 406    | 178    | 241    | 353    | 388    |
| Metallic cartridges.....                                                                | do            |       |       |        |        |        | 143    | 2,004  | 874    | 681    | 739    | 1,228  | 789    |
| Explosive shells and projectiles.....                                                   | 1,000 lbs.    | 136   | 2     | 60     | 249    | 520    | 114    | 72     | 1      | 59     | 183    | 240    | 131    |
| Other, including fireworks.....                                                         |               |       |       |        |        |        |        | 341    | 217    | 212    | 169    | 1,083  | 445    |
| G. Books, maps, pictures, and other printed matter                                      |               |       |       |        |        |        |        |        |        |        |        |        |        |
| Books and pamphlets.....                                                                |               |       |       |        |        |        |        | 24,295 | 18,177 | 12,440 | 11,380 | 12,854 | 16,859 |
| Bound educational textbooks.....                                                        |               |       |       |        |        |        |        | 12,202 | 5,643  | 3,730  | 3,275  | 3,857  | 4,523  |
| Other bound books.....                                                                  |               |       |       |        |        |        |        |        | 1,552  | 1,336  | 1,202  | 1,284  | 1,675  |
| Unbound books in sheets.....                                                            |               |       |       |        |        |        |        |        | 2,923  | 1,717  | 1,617  | 2,012  | 2,208  |
| Catalogs and pamphlets.....                                                             |               |       |       |        |        |        |        |        | 277    | 352    | 151    | 172    | 170    |
| Geographic maps and charts.....                                                         |               |       |       |        |        |        |        | 271    | 891    | 325    | 305    | 390    | 470    |
| Music in books and sheets.....                                                          |               |       |       |        |        |        |        | 335    | 81     | 30     | 34     | 42     | 64     |
| Souvenir post cards.....                                                                |               |       |       |        |        |        |        | 213    | 171    | 183    | 143    | 194    | 185    |
| Lithographically printed matter, except post cards and maps.....                        |               |       |       |        |        |        |        |        | 125    | 36     |        |        |        |
| Playing cards.....                                                                      | 1,000 packs   | 6,096 | 3,938 | 2,356  | 2,146  | 2,321  | 2,644  | 3,191  | 2,144  | 1,374  | 1,367  | 1,478  | 1,629  |
| Other printed matter.....                                                               |               |       |       |        |        |        |        | 683    | 388    | 225    | 225    | 266    | 258    |
|                                                                                         |               |       |       |        |        |        |        | 7,401  | 9,625  | 6,862  | 6,335  | 7,016  | 9,200  |
| H. Clocks and watches                                                                   |               |       |       |        |        |        |        |        |        |        |        |        |        |
| Clocks, electric.....                                                                   | number        |       |       | 29,826 | 41,793 | 33,764 | 66,081 | 3,251  | 1,551  | 799    | 628    | 974    | 1,303  |
| Clocks, except electric—                                                                |               |       |       |        |        |        |        |        |        | 84     | 78     | 97     | 181    |
| One-day alarm clocks.....                                                               | thousands     | 513   | 133   | 47     | 87     | 246    | 294    | 636    | 180    | 65     | 106    | 277    | 329    |
| Mantel, novelty, and wall clocks.....                                                   | do            | 83    | 29    | 8      | 7      | 11     | 21     | 373    | 146    | 28     | 18     | 42     | 47     |
| Other clocks and parts.....                                                             |               |       |       |        |        |        |        | 353    | 308    | 121    | 88     | 118    | 192    |
| Watches.....                                                                            | thousands     | 653   | 130   | 44     | 58     | 317    | 336    | 394    | 185    | 61     | 60     | 168    | 195    |
| Without jewels.....                                                                     | do            | 605   | 123   | 42     | 56     | 316    | 335    | 460    | 98     | 30     | 31     | 157    | 177    |
| With jewels.....                                                                        | do            | 48    | 7     | 2      | 2      | 1      | 1      | 433    | 87     | 31     | 30     | 12     | 19     |
| Parts of watches.....                                                                   |               |       |       |        |        |        |        | 618    | 210    | 103    | 78     | 97     | 138    |
| Time-recording devices and parts.....                                                   |               |       |       |        |        |        |        | 7,473  | 522    | 337    | 193    | 175    | 221    |
| I. Art works—Painting and statuary                                                      |               |       |       |        |        |        |        |        |        |        |        |        |        |
|                                                                                         |               |       |       |        |        |        |        | 1,927  | 1,470  | 984    | 533    | 1,373  | 1,145  |
| J. Miscellaneous, n. e. s.                                                              |               |       |       |        |        |        |        |        |        |        |        |        |        |
| Barber and beauty parlor chairs.....                                                    | number        | 2,207 | 1,103 | 463    |        |        |        | 41,876 | 29,313 | 21,254 | 18,215 | 21,232 | 22,511 |
| Bottle and container closures (all kinds, except cork, glass, and rubber stoppers)..... |               |       |       |        |        |        |        | 187    | 89     | 34     |        |        |        |
| 1,000 gross.....                                                                        |               | 3,444 | 2,185 | 1,828  | 1,886  | 2,625  | 3,208  | 716    | 435    | 589    | 572    | 697    | 750    |
| Composition roofing—                                                                    |               |       |       |        |        |        |        |        |        |        |        |        |        |
| Asphalt roofing.....                                                                    | 1,000 squares | 820   | 335   | 277    | 429    | 521    | 546    | 1,081  | 391    | 257    | 361    | 450    | 494    |
| Asbestos roofing.....                                                                   | do            | 78    | 27    | 31     | 36     | 26     | 31     | 501    | 110    | 59     | 150    | 75     | 107    |
| Other roofing.....                                                                      | do            | 109   | 39    | 17     | 26     | 16     | 17     | 219    | 59     | 24     | 28     | 22     | 34     |
| Billiard tables and accessories.....                                                    |               |       |       |        |        |        |        | 367    | 149    | 79     | 57     | 75     | 112    |
| Buttons—                                                                                |               |       |       |        |        |        |        |        |        |        |        |        |        |
| Pearl or shell.....                                                                     | 1,000 gross   | 332   | 96    | 141    | 792    | 753    | 892    | 109    | 27     | 19     | 175    | 210    | 285    |
| Other buttons.....                                                                      | do            | 1,379 | 911   | 759    |        |        |        | 331    | 187    | 162    |        |        |        |

<sup>1</sup> 1930 only.<sup>7</sup> Average for years 1927-30.<sup>2</sup> Parcel-post exports are included prior to July 1, 1933, but are excluded thereafter. In 1935, exports exclusive of parcel post are included in "other office supplies".

| Group and article                                                                                 | Quantity  |         |         |         |         |         | Value in thousands of dollars |        |        |       |       |       |
|---------------------------------------------------------------------------------------------------|-----------|---------|---------|---------|---------|---------|-------------------------------|--------|--------|-------|-------|-------|
|                                                                                                   | 1926-1930 | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931   | 1932   | 1933  | 1934  | 1935  |
| <b>GROUP 9.—MISCELLANEOUS—Continued</b>                                                           |           |         |         |         |         |         |                               |        |        |       |       |       |
| <b>J. Miscellaneous, n. e. s.—Continued</b>                                                       |           |         |         |         |         |         |                               |        |        |       |       |       |
| Lamps and illuminating devices, except electric—                                                  |           |         |         |         |         |         |                               |        |        |       |       |       |
| Incandescent mantles.....1,000 doz.....                                                           | 243       | 189     | 144     | 104     | 117     | 102     | 191                           | 148    | 115    | 85    | 92    | 84    |
| Lanterns, wick.....thousands.....                                                                 |           | 631     | 110     | 882     | 2,045   | 1,850   |                               | 299    | 61     | 278   | 653   | 575   |
| Gasoline pressure lamps, lanterns, and parts.....                                                 |           |         |         |         |         |         | 1,759                         | 107    | 50     | 73    | 110   | 115   |
| Other lamps except electric.....thousands.....                                                    |           | 122     | 77      | 148     | 266     | 252     |                               | 144    | 79     | 106   | 184   | 222   |
| Other lighting devices, except glass.....                                                         |           |         |         |         |         |         | 409                           | 246    | 211    | 156   | 223   | 265   |
| Matches.....1,000 lbs.....                                                                        | 1,000     | 825     | 264     | 147     | 171     | 122     | 125                           | 103    | 61     | 25    | 29    | 23    |
| Chemical fire extinguishers (hand).....number.....                                                | 35,239    |         |         |         |         |         | 341                           | 364    | 202    | 302   | 270   | 306   |
| Fly paper, traps, and swatters.....                                                               |           |         |         |         |         |         | 121                           | 63     | 21     | 22    | 30    | 21    |
| Synthetic resin sheets, plates and mfrs.....                                                      |           |         |         |         |         |         | 174                           | 191    | 120    | 214   | 303   | 474   |
| Pyroxylin products—                                                                               |           |         |         |         |         |         |                               |        |        |       |       |       |
| Pyroxylin scrap and film scrap.....1,000 lbs.....                                                 |           |         | 992     | 1,139   | 2,276   | 1,684   |                               |        | 53     | 80    | 247   | 204   |
| Pyroxylin plastic film support (plastic film base).....1,000 lbs.....                             |           |         | 3,120   | 3,392   | 3,610   | 3,203   |                               |        | 2,285  | 2,486 | 3,229 | 2,923 |
| Sheets, rods, tubes.....do.....                                                                   | 3,255     | 3,858   | 360     | 461     | 753     | 921     | 1,974                         | 2,154  | 268    | 316   | 551   | 604   |
| Manufactures.....do.....                                                                          | 1,151     | 221     | 127     | 100     | 167     |         | 1,266                         | 403    | 199    | 149   | 205   | 249   |
| Brushes—                                                                                          |           |         |         |         |         |         |                               |        |        |       |       |       |
| Tooth brushes.....do.....                                                                         | 192,891   | 159,064 | 157,178 | 127,163 | 155,002 | 156,190 | 522                           | 392    | 340    | 279   | 325   | 327   |
| Toilet brushes.....do.....                                                                        | 239,374   | 36,344  | 13,854  | 12,450  | 16,680  | 22,192  | 615                           | 85     | 41     | 37    | 50    | 72    |
| Paint brushes.....do.....                                                                         | 63,702    | 29,719  | 16,489  | 21,605  | 30,372  | 45,421  | 192                           | 80     | 44     | 55    | 78    | 118   |
| Other brushes.....do.....                                                                         | 182,596   | 99,964  | 120,815 | 279,624 | 205,840 | 301,287 | 295                           | 148    | 87     | 102   | 131   | 194   |
| Plates and cuts, electrotype, stereotype, half-tone, lithographic, or engraved.....1,000 lbs..... | 391       | 320     | 367     | 257     | 319     | 323     | 458                           | 377    | 338    | 282   | 366   | 370   |
| Umbrellas and parasols.....thousands.....                                                         | 84        | 18      | 12      | 11      | 17      | 20      | 149                           | 45     | 22     | 18    | 27    | 29    |
| Candles.....1,000 lbs.....                                                                        | 1,067     | 654     | 424     | 286     | 244     | 259     | 240                           | 155    | 79     | 50    | 49    | 48    |
| Notions.....                                                                                      |           |         |         |         |         |         | 1,965                         | 948    | 747    | 679   | 922   | 966   |
| Refrigerators, except electric.....number.....                                                    | 15,795    | 5,272   | 2,082   | 2,485   | 4,545   | 7,508   | 766                           | 163    | 63     | 93    | 203   | 407   |
| Soda-fountain equipment.....                                                                      |           |         |         |         |         |         | 486                           | 331    | 119    | 94    | 152   | 218   |
| Shoe findings—                                                                                    |           |         |         |         |         |         |                               |        |        |       |       |       |
| Heels and counters, except rubber.....1,000 lbs.....                                              | 557       | 748     | 269     | 364     | 215     | 252     | 148                           | 135    | 49     | 61    | 49    | 56    |
| Other.....                                                                                        |           |         |         |         |         |         | 1,339                         | 604    | 359    | 378   | 447   | 458   |
| Trunks.....number.....                                                                            | 29,562    | 10,752  | 4,316   | 4,315   | 7,632   | 8,958   | 552                           | 166    | 57     | 49    | 93    | 105   |
| Coin-operated scales.....do.....                                                                  | 988       | 350     | 142     |         |         |         | 153                           | 36     | 11     |       |       |       |
| Coin-operated commodity-vending machines.....number.....                                          | 8,814     | 6,904   | 4,309   | 4,976   | 8,681   | 6,804   | 398                           | 279    | 132    | 220   | 457   | 308   |
| Other coin-operated machines <sup>22</sup> .....do.....                                           | 6,054     | 7,066   | 10,732  | 20,149  | 34,636  | 39,696  | 886                           | 382    | 441    | 450   | 1,022 | 1,099 |
| Household and personal effects.....                                                               |           |         |         |         |         |         | 14,822                        | 15,016 | 10,968 | 7,738 | 6,771 | 7,198 |
| All other articles.....                                                                           |           |         |         |         |         |         | 9,791                         | 4,262  | 2,417  | 1,995 | 2,434 | 2,690 |

<sup>1</sup> 1930 only.<sup>2</sup> Average for years 1929 and 1930.<sup>22</sup> Except musical.

# No. 524.—IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES

NOTE.—See general note, p. 427. Figures represent "general imports" for the period 1926 to 1932, inclusive, and "imports for consumption" beginning 1933. Data are for calendar years. Figures for 1926-30 are annual averages. For a number of items data are not shown separately for all years from 1926 to 1930, and for this reason many averages for 2, 3, and 4 years are shown in the table. However, averages shown for group totals always cover 5 years. In some cases the detail does not add to the total because of the different periods covered by the averages. Blanks indicate no data or data not shown separately. Relatively small items, "Articles, ordinarily dutiable, imported free for supplies of American vessels or for the United States Government, etc.", are included in the proper commodity classification for 1933 to 1935. For 1930 through 1932, those articles were included in the proper group totals but not shown separately except in group 9, while prior to 1930 the total of those articles was included in group 9

| Group and article                                | Quantity  |         |         |         |         |                  | Value in thousands of dollars |             |             |                  |                  |                  |
|--------------------------------------------------|-----------|---------|---------|---------|---------|------------------|-------------------------------|-------------|-------------|------------------|------------------|------------------|
|                                                  | 1926-1930 | 1931    | 1932    | 1933    | 1934    | 1935             | 1926-1930                     | 1931        | 1932        | 1933             | 1934             | 1935             |
| Total imports of merchandise.....                |           |         |         |         |         |                  | 4, 033, 469                   | 2, 090, 635 | 1, 322, 774 | 1, 433, 013      | 1, 638, 003      | 2, 038, 905      |
| GROUP 00.—ANIMALS AND ANIMAL PRODUCTS,<br>EDIBLE |           |         |         |         |         |                  |                               |             |             |                  |                  |                  |
| Total.....                                       |           |         |         |         |         |                  | 125, 084                      | 61, 076     | 45, 028     | 43, 889          | 48, 965          | 74, 711          |
| A. Animals, edible.....                          |           |         |         |         |         |                  | 15, 372                       | 1, 929      | 1, 626      | 584              | 638              | 8, 863           |
| Cattle.....1,000 head.....                       | 378       | 85      | 98      | 65      | 59      | 365              | 13, 523                       | 1, 852      | 1, 499      | 572              | 616              | 8, 497           |
| Sheep and goats.....head.....                    | 25, 264   | 2, 267  | 1, 247  | 323     | 1, 508  | 6, 953           | 200                           | 19          | 7           | 4                | 12               | 30               |
| Poultry, live.....                               |           |         |         |         |         |                  | 331                           | 47          | 17          | 8                | 9                | 23               |
| Hogs.....1,000 lbs.....                          | 11, 614   | 151     | 29      | 8       | 8       | 3, 414           | 1, 320                        | 11          | 2           | 1                | ( <sup>1</sup> ) | 313              |
| B. Meat products.....do.....                     | 144, 782  | 47, 145 | 44, 821 | 80, 684 | 66, 382 | 116, 069         | 33, 356                       | 12, 286     | 7, 636      | 9, 293           | 12, 840          | 18, 178          |
| Beef, fresh.....do.....                          | 29, 310   | 1, 516  | 770     | 288     | 313     | 8, 584           | 3, 347                        | 128         | 63          | 22               | 26               | 776              |
| Veal, fresh.....do.....                          | 5, 369    | 342     | 112     | 57      | 12      | 173              | 851                           | 31          | 5           | 2                | 1                | 14               |
| Pork, fresh.....do.....                          | 7, 342    | 769     | 1, 660  | 539     | 182     | 3, 923           | 1, 489                        | 161         | 168         | 58               | 26               | 541              |
| Mutton, fresh.....do.....                        | 806       | 50      | 28      | 10      | 3       | 22               | 68                            | 3           | 2           | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 2                |
| Lamb, fresh.....do.....                          | 2, 082    | 117     | 49      | 6       | 8       | 26               | 368                           | 11          | 4           | 1                | 1                | 4                |
| Other fresh meats.....do.....                    | 3, 928    | 1, 041  | 681     | 579     | 278     | 775              | 546                           | 136         | 70          | 47               | 35               | 92               |
| Poultry, dead.....do.....                        | 4, 514    | 5, 575  | 587     | 269     | 483     | 415              | 1, 309                        | 1, 122      | 86          | 50               | 85               | 71               |
| Poultry, prepared.....do.....                    | 509       | 602     | 458     | 296     | 301     | 302              | 325                           | 271         | 183         | 147              | 193              | 192              |
| Canned meats.....do.....                         | 51, 206   | 18, 926 | 22, 862 | 41, 476 | 46, 781 | 76, 653          | 6, 458                        | 2, 217      | 1, 063      | 2, 711           | 3, 049           | 5, 626           |
| Beef and veal, pickled or cured.....do.....      |           | 1, 465  | 814     | 654     | 862     | 1, 472           |                               | 137         | 67          | 39               | 62               | 109              |
| Pork, hams, shoulders, and bacon.....do.....     | 19, 784   | 1, 079  | 3, 022  | 1, 673  | 969     | 5, 297           |                               | 802         | 615         | 393              | 291              | 1, 261           |
| Pork, pickled, salted, and other.....do.....     |           | 1, 238  | 1, 101  | 703     | 495     | 1, 274           | 3, 534                        | 439         | 395         | 217              | 194              | 359              |
| Other meats, prepared or preserved.....do.....   |           | 544     | 7       | 5       |         | ( <sup>1</sup> ) |                               | 74          | 2           | 1                | -----            | ( <sup>1</sup> ) |
| Sausage casings—                                 |           |         |         |         |         |                  |                               |             |             |                  |                  |                  |
| Sheep, lamb, and goat.....do.....                |           | 5, 335  | 4, 932  | 6, 200  | 6, 915  | 7, 360           |                               | 5, 326      | 3, 108      | 4, 788           | 7, 870           | 8, 801           |
| Other casings.....do.....                        | 19, 962   | 7, 656  | 7, 717  | 7, 931  | 7, 758  | 8, 784           | 15, 061                       | 1, 639      | 1, 015      | 817              | 1, 017           | 1, 330           |
| C. Animal oils and fats, edible.....do.....      | 2, 049    | 2, 273  | 820     | 287     | 2, 001  | 18, 895          | 2 180                         | 131         | 44          | 13               | 92               | 1, 284           |

<sup>1</sup> Less than 500.

<sup>1</sup> Average for years 1928-30.



No. 524.—IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

| Group and article                                                                  | Quantity  |         |         |         |         |         | Value in thousands of dollars |        |        |        |        |        |
|------------------------------------------------------------------------------------|-----------|---------|---------|---------|---------|---------|-------------------------------|--------|--------|--------|--------|--------|
|                                                                                    | 1926-1930 | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931   | 1932   | 1933   | 1934   | 1935   |
| GROUP 00.—ANIMALS, ETC., EDIBLE—Continued                                          |           |         |         |         |         |         |                               |        |        |        |        |        |
| D. Dairy products                                                                  |           |         |         |         |         |         | 31,700                        | 15,763 | 13,098 | 11,082 | 10,891 | 16,001 |
| Cream 1,000 gals                                                                   | 3,679     | 79      | 118     | 25      | (1)     | 1       | 5,874                         | 128    | 189    | 31     | 1      | 1      |
| Milk                                                                               | 4,744     | 612     | 106     | 47      | 25      | 22      | 832                           | 100    | 16     | 8      | 5      | 4      |
| Milk, condensed and evaporated 1,000 lbs                                           | 2,228     | 1,245   | 1,188   | 921     | 310     | 603     | 193                           | 78     | 61     | 40     | 14     | 40     |
| Dried and malted milk do                                                           | 5,777     | 1,134   | 691     | 138     | 6       | 2,743   | 806                           | 238    | 126    | 9      | 3      | 178    |
| Butter do                                                                          | 5,279     | 1,882   | 1,014   | 899     | 1,253   | 22,675  | 1,834                         | 492    | 213    | 180    | 210    | 3,577  |
| Cheese do                                                                          | 76,892    | 61,921  | 55,623  | 49,497  | 47,533  | 48,933  | 22,162                        | 14,727 | 12,494 | 10,844 | 10,659 | 11,201 |
| Emmenthaler or Swiss do                                                            |           | 15,683  | 11,693  | 10,728  | 6,819   | 6,259   |                               | 4,482  | 2,656  | 2,501  | 1,753  | 1,636  |
| All other do                                                                       |           | 46,308  | 43,926  | 38,769  | 40,713  | 42,674  |                               | 10,245 | 9,838  | 8,343  | 8,906  | 9,565  |
| E. Fish                                                                            | 347,142   | 278,803 | 265,435 | 284,307 | 286,763 | 324,732 | 36,711                        | 28,308 | 21,411 | 21,783 | 23,174 | 27,535 |
| Fish, fresh or frozen—                                                             |           |         |         |         |         |         |                               |        |        |        |        |        |
| Salmon do                                                                          | 5,603     | 5,739   | 3,090   | 5,083   | 5,658   | 6,399   | 689                           | 597    | 253    | 385    | 533    | 574    |
| Fresh-water fish and eels do                                                       | 52,594    | 43,911  | 36,386  | 40,398  | 45,147  | 49,170  | 5,095                         | 3,581  | 2,622  | 2,814  | 3,387  | 3,856  |
| Cod, haddock, hake, pollock, and cusk do                                           | 863       | 1,237   | 469     | 593     | 1,942   | 2,389   | 46                            | 63     | 19     | 27     | 85     | 106    |
| Halibut do                                                                         | 4,705     | 4,098   | 1,449   | 4,086   | 2,787   | 2,701   | 577                           | 440    | 118    | 320    | 272    | 260    |
| Mackerel do                                                                        | 2,019     | 1,826   | 583     | 508     | 239     | 123     | 125                           | 90     | 25     | 23     | 13     | 7      |
| Swordfish and sturgeon do                                                          | 2,748     | 5,242   | 4,289   | 4,595   | 4,695   | 5,907   | 514                           | 871    | 421    | 455    | 589    | 665    |
| Other fresh fish, n. e. s do                                                       | 10,120    | 2,558   | 2,318   | 2,154   | 2,544   | 4,059   | 1,056                         | 206    | 126    | 103    | 110    | 133    |
| Smelts do                                                                          | 7,444     | 6,640   | 7,407   | 6,726   | 5,272   | 7,086   | 1,040                         | 840    | 816    | 672    | 624    | 736    |
| Tuna fish do                                                                       | 36,554    | 7,858   | 6,038   | 5,936   | 6,093   | 6,283   | 1,890                         | 579    | 298    | 233    | 413    | 395    |
| Sea berring do                                                                     | 36,436    | 16,157  | 12,244  | 25,862  | 38,198  | 39,438  | 269                           | 144    | 73     | 148    | 290    | 335    |
| Fish, dried, unsalted—                                                             | 36,176    | 4,124   | 3,675   | 3,178   | 3,707   | 3,314   | 3,124                         | 511    | 273    | 298    | 402    | 397    |
| Fish, in oil, etc.—                                                                |           |         |         |         |         |         |                               |        |        |        |        |        |
| Sardines do                                                                        | 27,633    | 29,275  | 44,202  | 33,556  | 22,693  | 28,663  | 4,908                         | 3,793  | 3,652  | 2,811  | 2,597  | 3,525  |
| Anchovies do                                                                       | 837       | 1,873   | 1,768   | 1,725   | 1,895   | 2,392   | 242                           | 554    | 444    | 456    | 600    | 788    |
| Tuna fish do                                                                       |           |         |         | 14,382  | 8,266   | 8,185   |                               |        |        | 1,969  | 1,277  | 1,263  |
| Antipasto and other do                                                             | 5,763     | 1,954   | 7,077   | 295     | 552     | 571     | 1,330                         | 339    | 905    | 77     | 131    | 163    |
| In air-tight containers (not in oil, etc.) do                                      | 5,552     | 10,928  | 18,732  | 17,827  | 12,662  | 19,696  | 536                           | 998    | 1,062  | 1,069  | 1,063  | 1,476  |
| Pickled or salted—                                                                 |           |         |         |         |         |         |                               |        |        |        |        |        |
| Salmon do                                                                          | 2,329     | 636     | 270     | 318     | 1,221   | 498     | 369                           | 67     | 17     | 32     | 182    | 61     |
| Cod, haddock, hake, pollock, and cusk do                                           | 25,370    | 41,690  | 39,405  | 40,669  | 43,137  | 44,515  | 1,689                         | 2,262  | 1,627  | 1,538  | 1,899  | 1,978  |
| Herring do                                                                         | 42,170    | 41,479  | 32,405  | 29,461  | 31,808  | 33,500  | 2,727                         | 2,571  | 1,510  | 1,840  | 1,593  | 1,786  |
| Mackerel do                                                                        | 9,019     | 6,767   | 4,311   | 4,403   | 3,848   | 3,810   | 601                           | 314    | 143    | 176    | 189    | 201    |
| Other do                                                                           | 26,382    | 1,765   | 1,641   | 1,304   | 1,169   | 1,086   | 2,319                         | 152    | 120    | 75     | 80     | 80     |
| Smoked or kippered do                                                              | 2,409     | 4,409   | 3,520   | 3,100   | 3,505   | 5,228   | 217                           | 356    | 238    | 237    | 295    | 371    |
| Other prepared, or preserved fish, including pastes and sauces, n. e. s. 1,000 lbs | 964       | 528     | 449     | 280     | 294     | 818     | 125                           | 81     | 58     | 45     | 45     | 80     |

|                                                              |         |         |         |         |         |         |         |         |        |         |         |         |
|--------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|
| Fish, filleted, skinned, boned, etc.....do.....              | 3,452   | 3,010   | 1,784   | 2,505   | 3,942   | 4,101   | 405     | 327     | 196    | 262     | 468     | 415     |
| Caviar and other fish roe.....do.....                        | 757     | 473     | 544     | 412     | 417     | 441     | 781     | 359     | 467    | 264     | 284     | 332     |
| Shellfish—                                                   |         |         |         |         |         |         |         |         |        |         |         |         |
| Crab meat, sauce, and paste.....do.....                      | 10,696  | 10,261  | 7,525   | 9,526   | 7,382   | 10,784  | 4,553   | 4,004   | 2,605  | 2,893   | 2,239   | 3,497   |
| Clams and oysters, in air-tight containers<br>1,000 lbs..... | 288     | 1,229   | 1,560   | 1,515   | 1,513   | 1,436   | 238     | 192     | 166    | 152     | 204     | 321     |
| Lobsters, not canned.....do.....                             | 7,581   | 9,984   | 11,694  | 10,623  | 10,158  | 10,020  | 1,861   | 2,171   | 1,941  | 1,734   | 1,895   | 2,100   |
| Lobsters, canned.....do.....                                 | 1,603   | 1,703   | 1,307   | 1,469   | 918     | 898     | 970     | 820     | 568    | 485     | 469     | 411     |
| Shrimp and other shellfish.....do.....                       | 8,608   | 10,907  | 10,035  | 11,572  | 14,764  | 20,722  | 1,306   | 941     | 632    | 677     | 893     | 1,194   |
| Crabs and turtles.....do.....                                |         | 551     | 316     | 246     | 347     | 501     |         | 34      | 17     | 14      | 21      | 29      |
| F. Other edible animal products.....do.....                  |         |         |         |         |         |         | 7,831   | 2,641   | 1,314  | 1,133   | 1,323   | 2,869   |
| Eggs—                                                        |         |         |         |         |         |         |         |         |        |         |         |         |
| Eggs of poultry in shell.....1,000 doz.....                  | 292     | 309     | 244     | 251     | 197     | 432     | 86      | 56      | 35     | 34      | 37      | 78      |
| Whole eggs, dried.....1,000 lbs.....                         | 1,289   | 934     | 20      | 10      | 1       | 602     | 674     | 293     | 5      | 3       | (1)     | 172     |
| Whole eggs, frozen, prepared, etc.....do.....                | 7,016   | 7       | 2       | 25      | 61      |         | 1,167   | 1       | (1)    | 2       | 5       |         |
| Yolks, dried.....do.....                                     | 5,128   | 3,964   | 1,193   | 1,634   | 2,320   | 3,953   | 2,085   | 834     | 150    | 152     | 187     | 498     |
| Yolks, frozen, prepared, etc.....do.....                     | 3,211   | 763     | 412     | 372     | 393     | 1,200   | 640     | 77      | 37     | 30      | 30      | 107     |
| Egg albumen, dried.....do.....                               | 3,190   | 1,992   | 1,458   | 874     | 403     | 1,876   | 1,677   | 552     | 536    | 370     | 184     | 824     |
| Egg albumen, frozen, prepared, etc.....do.....               | 1,525   |         |         |         |         | (1)     | 210     |         |        |         |         | (1)     |
| Meat extract.....do.....                                     | 683     | 443     | 376     | 234     | 340     | 336     | 731     | 363     | 177    | 124     | 176     | 150     |
| Gelatin, edible.....do.....                                  | 2,522   | 1,950   | 1,582   | 1,125   | 1,249   | 1,869   | 561     | 465     | 324    | 419     | 709     | 1,041   |
| GROUP O.—ANIMALS AND ANIMAL PRODUCTS,<br>INEDIBLE            |         |         |         |         |         |         |         |         |        |         |         |         |
| Total.....do.....                                            |         |         |         |         |         |         | 337,522 | 166,866 | 80,112 | 118,427 | 109,610 | 151,127 |
| A. Hides and skins, raw (except furs).....1,000 lbs.....     | 447,460 | 271,083 | 190,240 | 338,484 | 200,781 | 303,476 | 118,003 | 50,302  | 22,483 | 45,342  | 35,280  | 45,577  |
| Cattle hides.....do.....                                     | 223,274 | 92,826  | 55,987  | 137,733 | 68,527  | 135,572 | 38,803  | 7,823   | 3,132  | 10,706  | 5,224   | 11,647  |
| Dry or dry salted (over 12 lbs.).....1,000 pieces.....       | 641     | 126     | 133     | 180     | 31      | 119     |         |         |        |         |         |         |
| 1,000 lbs.....                                               | 13,928  | 3,192   | 3,804   | 3,682   | 701     | 2,247   | 3,279   | 340     | 306    | 406     | 80      | 255     |
| Wet salted (over 25 lbs.).....1,000 pieces.....              | 4,139   | 1,764   | 1,047   | 2,526   | 1,306   | 2,653   |         |         |        |         |         |         |
| 1,000 lbs.....                                               | 209,346 | 89,434  | 52,063  | 134,051 | 65,826  | 133,325 | 35,524  | 7,483   | 2,826  | 10,300  | 5,144   | 11,391  |
| India water buffalo (for rawhide).....1,000 pieces.....      | 116     | 38      | 20      | 37      | 47      | 53      |         |         |        |         |         |         |
| 1,000 lbs.....                                               | 331     | 930     | 454     | 705     | 888     | 1,153   | 66      | 168     | 70     | 125     | 162     | 219     |
| Buffalo hides, n. e. s.....1,000 pieces.....                 | 158     | 7       | 7       | 10      | 57      | 31      |         |         |        |         |         |         |
| 1,000 lbs.....                                               | 3,540   | 289     | 261     | 279     | 637     | 726     | 822     | 35      | 27     | 32      | 84      | 96      |
| Kip and calf skins.....do.....                               | 45,520  | 39,538  | 31,014  | 44,343  | 17,898  | 23,723  | 13,223  | 6,056   | 2,737  | 6,162   | 2,890   | 3,908   |
| Kip skins—                                                   |         |         |         |         |         |         |         |         |        |         |         |         |
| Dry and dry salted (6 to 12 (1,000 pieces.....               | 167     | 38      | 21      | 74      | 84      | 41      |         |         |        |         |         |         |
| lbs.).....1,000 lbs.....                                     | 1,684   | 316     | 153     | 645     | 783     | 424     | 467     | 39      | 11     | 74      | 112     | 58      |
| Wet salted (12 to 25 lbs.).....1,000 pieces.....             | 412     | 596     | 619     | 840     | 402     | 398     |         |         |        |         |         |         |
| 1,000 lbs.....                                               | 6,593   | 9,464   | 9,396   | 12,201  | 5,641   | 6,169   | 1,464   | 1,058   | 728    | 1,432   | 829     | 903     |
| Calfskins—                                                   |         |         |         |         |         |         |         |         |        |         |         |         |
| Dry and dry salted (less than 1,000 pieces.....              | 2,512   | 1,246   | 1,011   | 2,029   | 324     | 659     |         |         |        |         |         |         |
| 6 lbs.).....1,000 lbs.....                                   | 6,691   | 2,583   | 2,331   | 5,344   | 932     | 1,923   | 3,314   | 851     | 369    | 1,100   | 222     | 486     |
| Wet salted (less than 12 lbs.).....1,000 pieces.....         | 4,079   | 3,443   | 2,363   | 4,237   | 1,275   | 1,888   |         |         |        |         |         |         |
| 1,000 lbs.....                                               | 30,661  | 26,876  | 19,134  | 26,163  | 10,639  | 14,217  | 7,989   | 4,108   | 1,629  | 3,546   | 1,727   | 2,461   |

<sup>1</sup> Less than 500.<sup>2</sup> June 18 to Dec. 31, 1930.

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

| Group and article                                       | Quantity          |        |        |        |        |        | Value in thousands of dollars |        |        |        |        |        |
|---------------------------------------------------------|-------------------|--------|--------|--------|--------|--------|-------------------------------|--------|--------|--------|--------|--------|
|                                                         | 1926-1930         | 1931   | 1932   | 1933   | 1934   | 1935   | 1926-1930                     | 1931   | 1932   | 1933   | 1934   | 1935   |
| <b>GROUP 0.—ANIMALS, ETC., INEDIBLE—Continued</b>       |                   |        |        |        |        |        |                               |        |        |        |        |        |
| <b>A. Hides and skins, raw (except fur)—Continued.</b>  |                   |        |        |        |        |        |                               |        |        |        |        |        |
| Horse, colt, and ass hides.....                         | 1,000 lbs.....    | 13,423 | 8,506  | 8,529  | 11,761 | 5,965  | 12,159                        | 1,620  | 511    | 325    | 520    | 790    |
| Dry and dry salted.....                                 | 1,000 pieces..... | 171    | 64     | 44     | 60     | 5      | 32                            | 508    | 117    | 46     | 47     | 77     |
| Wet salted.....                                         | 1,000 lbs.....    | 2,920  | 1,344  | 936    | 1,190  | 160    | 825                           | 1,112  | 394    | 279    | 473    | 713    |
| Wet salted.....                                         | 1,000 pieces..... | 267    | 176    | 161    | 243    | 140    | 286                           | 1,112  | 394    | 279    | 473    | 713    |
| Wet salted.....                                         | 1,000 lbs.....    | 10,503 | 7,161  | 7,593  | 10,571 | 5,806  | 11,333                        | 1,112  | 394    | 279    | 473    | 713    |
| Sheep and lamb skins.....                               | do.....           | 59,898 | 41,866 | 33,465 | 52,556 | 35,285 | 42,617                        | 18,389 | 6,865  | 3,649  | 6,945  | 6,899  |
| Wooled, dry and green.....                              | 1,000 pieces..... | 3,056  | 1,751  | 788    | 1,776  | 1,475  | 2,441                         | 2,883  | 629    | 127    | 675    | 1,059  |
| Wooled, dry and green.....                              | 1,000 lbs.....    | 11,946 | 7,729  | 3,407  | 7,023  | 5,876  | 8,817                         | 2,883  | 629    | 127    | 675    | 1,059  |
| Slats, dry, no wool.....                                | 1,000 pieces..... | 8,355  | 6,126  | 4,246  | 6,084  | 4,350  | 3,536                         | 6,714  | 2,943  | 1,691  | 2,800  | 1,721  |
| Slats, dry, no wool.....                                | 1,000 lbs.....    | 18,675 | 11,409 | 8,878  | 13,898 | 10,072 | 7,975                         | 6,714  | 2,943  | 1,691  | 2,800  | 1,721  |
| Pickled skins.....                                      | 1,000 pieces..... | 12,382 | 9,446  | 9,909  | 14,327 | 8,593  | 12,630                        | 8,792  | 3,288  | 1,831  | 3,470  | 3,919  |
| Pickled skins.....                                      | 1,000 lbs.....    | 29,277 | 22,528 | 21,180 | 31,635 | 19,337 | 25,826                        | 8,792  | 3,288  | 1,831  | 3,470  | 3,919  |
| Goat and kid skins.....                                 | do.....           | 90,669 | 76,199 | 51,452 | 79,345 | 64,874 | 78,224                        | 40,382 | 24,116 | 10,301 | 16,647 | 19,018 |
| Dry and dry salted.....                                 | 1,000 pieces..... | 49,024 | 44,744 | 32,623 | 48,000 | 37,328 | 46,411                        | 36,310 | 21,974 | 9,774  | 15,753 | 18,156 |
| Dry and dry salted.....                                 | 1,000 lbs.....    | 74,702 | 64,402 | 45,589 | 71,299 | 56,656 | 71,801                        | 36,310 | 21,974 | 9,774  | 15,753 | 18,156 |
| Green or pickled.....                                   | 1,000 pieces..... | 5,225  | 4,120  | 1,911  | 2,767  | 2,974  | 2,385                         | 4,072  | 2,142  | 527    | 894    | 862    |
| Green or pickled.....                                   | 1,000 lbs.....    | 15,967 | 11,797 | 5,863  | 8,046  | 8,218  | 6,423                         | 4,072  | 2,142  | 527    | 894    | 862    |
| Kangaroo and wallaby.....                               | 1,000 pieces..... | 751    | 788    | 534    | 981    | 504    | 1,096                         | 654    | 394    | 208    | 506    | 720    |
| Dry and dry salted.....                                 | 1,000 lbs.....    | 864    | 813    | 573    | 1,004  | 542    | 1,213                         | 654    | 394    | 208    | 506    | 720    |
| Dry and dry salted.....                                 | 1,000 pieces..... | 943    | 915    | 660    | 846    | 965    | 1,125                         | 749    | 499    | 362    | 396    | 764    |
| Dry and dry salted.....                                 | 1,000 lbs.....    | 2,448  | 2,018  | 1,605  | 1,973  | 2,161  | 2,482                         | 749    | 499    | 362    | 396    | 764    |
| Reptile skins, raw.....                                 | do.....           | 2,235  | 2,536  | 1,183  | 1,449  | 1,558  | 451                           | 2,643  | 2,292  | 755    | 1,697  | 225    |
| Other hides and skins.....                              | do.....           | 6,863  | 5,962  | 6,036  | 7,314  | 4,451  | 6,167                         | 2,290  | 1,555  | 926    | 1,617  | 1,491  |
| <b>B. Leather</b>                                       |                   |        |        |        |        |        |                               |        |        |        |        |        |
| Sole leather.....                                       | 1,000 lbs.....    | 7,700  | 775    | 632    | 1,208  | 1,314  | 1,670                         | 35,517 | 10,595 | 6,847  | 9,240  | 8,186  |
| Leather cut into soles, blocks, etc. <sup>a</sup> ..... | do.....           | 423    | 423    | 76     | 248    | 4      | 63                            | 2,928  | 289    | 202    | 344    | 469    |
| Balting leather and welting <sup>a</sup> .....          | do.....           | 3,628  | 978    | 1,692  | 1,601  | 964    | 1,146                         | 536    | 211    | 16     | 55     | 13     |
| Harness leather.....                                    | do.....           | 1,492  | 475    | 16     | 13     | 25     | 19                            | 314    | 467    | 417    | 660    | 524    |
| Cattle side upper grains and finished splits.....       | 1,000 sq. ft..... | 4,018  | 2,711  | 1,389  | 2,366  | 596    | 191                           | 633    | 166    | 12     | 8      | 20     |
| Patent leather.....                                     | do.....           | 4,711  | 259    | 230    | 233    | 199    | 92                            | 1,710  | 62     | 46     | 35     | 32     |
| Calf and kip leather—                                   |                   |        |        |        |        |        |                               |        |        |        |        |        |
| Whole calf and kip, upper and lining.....               | do.....           | 49,986 | 10,284 | 11,748 | 11,115 | 4,632  | 6,621                         | 2,891  | 2,208  | 2,190  | 1,119  | 1,761  |
| Side calf and kip, upper and lining.....                | do.....           | 15,215 | 14,653 | 18,698 | 11,599 | 19,331 | 12,483                        | 1,990  | 1,232  | 1,682  | 1,158  | 1,806  |

|                                                                 |        |        |        |        |        |        |         |        |        |        |        |        |
|-----------------------------------------------------------------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Upholstery, bag, case, garment, and ball leather <sup>1</sup>   |        |        |        |        |        |        | 273     | 470    | 268    | 1,160  | 307    | 527    |
| Other bovine leather.....1,000 lbs.                             |        |        | 89     | 462    | 396    | 760    | 73      | 64     | 32     | 87     | 107    | 168    |
| Sheep and lamb.....1,000 sq. ft.                                | 2,351  | 1,102  | 631    | 1,175  | 1,189  | 1,197  | 459     | 235    | 104    | 223    | 277    | 266    |
| Goat and kid.....do                                             | 8,814  | 3,784  | 4,240  | 5,226  | 2,593  | 2,846  | 4,076   | 1,325  | 1,082  | 1,170  | 751    | 666    |
| Reptilian and shark skin leather.....1,000 pieces               |        | 991    | 838    | 815    | 70     | 42     | 3,012   | 793    | 316    | 282    | 26     | 11     |
| Glove leather, seal leather, skivers, chamois skins, etc.       |        |        |        |        |        |        | 1,552   | 652    | 322    | 488    | 642    | 708    |
| Rough tanned leather.....1,000 lbs.                             | 11,179 | 337    | 126    | 356    | 510    | 426    | 6,247   | 236    | 57     | 201    | 353    | 240    |
| Leather (not bovine) for manufacture of footwear.....1,000 lbs. | 13     | 19     | 21     | 42     |        |        | 9       | 18     | 19     | 40     | 81     | 14     |
| Grained, embossed, etc., or fancy leather.....1,000 sq. ft.     | 1,053  | 648    | 1,028  | 1,089  | 1,510  | 2,198  | 362     | 242    | 359    | 393    | 699    | 897    |
| All other leather                                               |        |        |        |        |        |        | 2,518   |        |        |        |        |        |
| <b>C. Leather manufactures</b>                                  |        |        |        |        |        |        | 27,450  | 22,108 | 9,809  | 8,248  | 8,308  | 7,831  |
| Boots and shoes (all leather).....1,000 prs.                    | 3,004  | 3,391  | 1,442  | 2,049  | 2,301  | 1,668  | 8,796   | 6,229  | 2,099  | 2,125  | 2,315  | 1,882  |
| Slippers and moccasins.....do                                   | 697    | 900    | 39     | 38     | 84     | 60     | 795     | 297    | 13     | 13     | 26     | 22     |
| Footwear with textile uppers <sup>2</sup> .....do               | 1,167  | 2,234  | 4,863  | 2,105  | 2,580  | 2,852  | 324     | 493    | 644    | 253    | 367    | 421    |
| Gloves.....do                                                   | 12,735 | 12,567 | 7,344  | 5,880  | 4,962  | 4,943  | 12,467  | 12,273 | 5,392  | 4,780  | 4,689  | 4,391  |
| Women's and children's.....do                                   | 12,638 | 12,529 | 7,331  | 5,863  | 4,947  | 4,928  | 12,328  | 12,215 | 5,374  | 4,769  | 4,667  | 4,365  |
| Men's.....do                                                    | 98     | 38     | 13     | 17     | 14     | 16     | 139     | 58     | 18     | 21     | 22     | 27     |
| Bags, baskets, belts, boxes, cases, etc.                        |        |        |        |        |        |        | 3,330   | 2,033  | 1,143  | 644    | 475    | 621    |
| All other leather manufactures                                  |        |        |        |        |        |        | 1,737   | 783    | 517    | 433    | 434    | 463    |
| <b>D. Furs and manufactures</b>                                 |        |        |        |        |        |        | 114,785 | 55,860 | 28,495 | 37,447 | 40,664 | 53,161 |
| <b>Furs, undressed</b>                                          |        |        |        |        |        |        | 101,071 | 47,950 | 25,137 | 33,330 | 38,165 | 48,247 |
| Badger.....1,000 pieces                                         | 52     | 175    | 162    | 132    | 152    | 118    | 225     | 656    | 638    | 267    | 420    | 340    |
| Beaver.....do                                                   | 100    | 77     | 65     | 67     | 28     | 60     | 2,538   | 1,103  | 628    | 685    | 259    | 556    |
| Caracul.....do                                                  | 196    | 216    | 36     | 24     | 13     | 12     | 309     | 275    | 47     | 87     | 16     | 36     |
| Coney and rabbit.....1,000 lbs.                                 | 19,040 | 17,241 | 13,217 | 20,443 | 18,684 | 32,292 | 20,171  | 7,493  | 2,967  | 6,485  | 8,226  | 13,973 |
| Ermine.....1,000 pieces                                         | 780    | 816    | 555    | 671    | 642    | 426    | 1,651   | 927    | 436    | 572    | 714    | 376    |
| Fitch.....do                                                    | 1,197  | 1,168  | 1,407  | 1,108  | 789    | 888    | 2,331   | 2,368  | 1,446  | 1,139  | 924    | 859    |
| Fox, other than silver or black.....do                          | 1,625  | 1,228  | 1,012  | 882    | 593    | 811    | 14,256  | 7,778  | 4,664  | 4,360  | 3,754  | 4,010  |
| Guanaco.....do                                                  | 261    | 177    | 341    | 242    | 217    | 107    | 738     | 168    | 295    | 193    | 317    | 120    |
| Hare.....1,000 lbs.                                             | 1,813  | 969    | 621    | 992    | 1,210  | 2,520  | 2,585   | 548    | 178    | 815    | 561    | 776    |
| Kolinski.....1,000 pieces                                       | 524    | 635    | 771    | 736    | 689    | 763    | 1,738   | 840    | 866    | 780    | 1,049  | 907    |
| Lamb, kid, sheep, and goat skin furs.....do                     | 8,498  | 9,162  | 4,482  | 7,217  | 5,734  | 8,698  | 16,169  | 12,934 | 4,004  | 7,637  | 9,530  | 12,865 |
| Marmot.....do                                                   | 1,748  | 887    | 814    | 841    | 726    | 748    | 2,962   | 598    | 465    | 500    | 714    | 788    |
| Marten.....do                                                   | 153    | 85     | 107    | 48     | 62     | 66     | 2,707   | 958    | 847    | 440    | 582    | 726    |
| Mink.....do                                                     | 711    | 845    | 1,039  | 1,062  | 1,056  | 1,194  | 3,105   | 1,733  | 1,585  | 2,063  | 2,647  | 2,641  |
| Mole.....do                                                     | 4,315  | 1,917  | 1,290  | 1,243  | 1,225  | 2,210  | 528     | 148    | 70     | 82     | 99     | 175    |
| Monkey.....do                                                   | 202    | 11     | 19     | 101    | 7      | 2      | 450     | 6      | 5      | 44     | 1      | 1      |
| Muskrat.....do                                                  | 1,056  | 1,067  | 278    | 1,499  | 456    | 801    | 1,573   | 861    | 169    | 973    | 436    | 897    |
| Nutria.....do                                                   | 91     | 27     | 35     | 78     | 48     | 48     | 448     | 105    | 77     | 217    | 122    | 148    |

<sup>1</sup> Average for years 1928-1930.<sup>2</sup> June 18 to Dec. 31, 1930.<sup>4</sup> Average for years 1929 and 1930.<sup>5</sup> Leather cut into shoe parts prior to June 18, 1930.<sup>6</sup> Welting included under "Upholstery, bag, case, etc.", beginning 1933.<sup>7</sup> Includes rubber-soled footwear with fabric uppers prior to 1933.

No. 524.—IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

| Group and article                                                           | Quantity  |        |       |       |        |         | Value in thousands of dollars |        |       |       |       |        |
|-----------------------------------------------------------------------------|-----------|--------|-------|-------|--------|---------|-------------------------------|--------|-------|-------|-------|--------|
|                                                                             | 1926-1930 | 1931   | 1932  | 1933  | 1934   | 1935    | 1926-1930                     | 1931   | 1932  | 1933  | 1934  | 1935   |
| <b>GROUP C.—ANIMALS, ETC., INEDIBLE—Continued</b>                           |           |        |       |       |        |         |                               |        |       |       |       |        |
| <b>D. Furs and manufactures—Continued.</b>                                  |           |        |       |       |        |         |                               |        |       |       |       |        |
| <b>Furs, undressed—Continued.</b>                                           |           |        |       |       |        |         |                               |        |       |       |       |        |
| Opossum.....1,000 pieces..                                                  | 2 508     | 722    | 119   | 182   | 229    | 224     | 2 575                         | 379    | 75    | 140   | 109   | 117    |
| Otter.....do.....                                                           | 2 30      | 22     | 17    | 40    | 32     | 36      | 2 352                         | 136    | 73    | 154   | 159   | 192    |
| Pony.....do.....                                                            | 2 156     | 172    | 88    | 108   | 68     | 211     | 2 551                         | 528    | 284   | 479   | 428   | 1,062  |
| Raccoon.....do.....                                                         | 2 21      | 109    | 70    | 66    | 93     | 61      | 2 90                          | 480    | 230   | 194   | 450   | 286    |
| Sable.....do.....                                                           | 2 5       | 21     | 6     | 21    | 10     | 12      | 2 290                         | 557    | 141   | 680   | 341   | 555    |
| Skunk.....do.....                                                           | 2 162     | 72     | 118   | 268   | 87     | 61      | 2 334                         | 90     | 92    | 177   | 77    | 31     |
| Squirrel.....do.....                                                        | 10,021    | 5,874  | 6,586 | 7,454 | 5,751  | 4,693   | 8,483                         | 2,208  | 1,714 | 2,229 | 2,248 | 1,567  |
| Weasel.....do.....                                                          | 2 1,613   | 1,666  | 1,685 | 1,722 | 2,121  | 1,994   | 2 2,385                       | 1,319  | 1,170 | 1,014 | 2,030 | 1,632  |
| Wolf.....do.....                                                            | 2 153     | 105    | 56    | 77    | 68     | 82      | 2 2,191                       | 858    | 333   | 449   | 930   | 392    |
| Other furs, undressed.....                                                  |           |        |       |       |        |         | 23,792                        | 1,905  | 1,061 | 1,034 | 1,428 | 2,311  |
| <b>Furs dressed on the skin, not advanced beyond dyeing.</b>                |           |        |       |       |        |         |                               |        |       |       |       |        |
| Coney and rabbit.....1,000 pieces..                                         | 2 2,641   | 968    | 639   | 1,253 | 609    | 379     | 6,430                         | 5,125  | 2,278 | 2,325 | 966   | 1,687  |
| Dog, goat, and kid.....do.....                                              | 2 2,131   | 2,832  | 1,957 | 1,765 | 449    | 494     | 2 1,240                       | 327    | 132   | 255   | 292   | 168    |
| Lamb and sheep.....do.....                                                  | 2 303     | 268    | 50    | 68    | 35     | 175     | 2 5,596                       | 3,336  | 1,479 | 1,238 | 325   | 480    |
| Silver or black fox, dressed or undressed.....1,000 pieces..                | 2 2       | 3      | 8     | 2     | 1      | 1       | 2 1,073                       | 868    | 161   | 116   | 77    | 709    |
| Other dressed furs.....                                                     |           |        |       |       |        |         | 2 160                         | 89     | 218   | 62    | 28    | 45     |
|                                                                             |           |        |       |       |        |         | 2 751                         | 505    | 283   | 659   | 244   | 266    |
| <b>Manufactures of fur—</b>                                                 |           |        |       |       |        |         |                               |        |       |       |       |        |
| Cut fur for hatters' use, including fur skins caroted.....1,000 lbs..       | 146       | 28     | 3     | 4     | 6      | 68      | 315                           | 27     | 4     | 5     | 5     | 47     |
| Plates, mats, etc., of dog, goat, and kid skins, dressed.....1,000 pieces.. | 868       | 331    | 146   | 385   | 213    | 568     | 2,471                         | 1,040  | 353   | 1,107 | 758   | 1,779  |
| Fur-felt hats.....                                                          |           |        |       |       |        |         |                               |        |       |       |       |        |
| For men and boys.....thousands..                                            |           | 190    | 101   | 107   | 107    | 110     | 2,636                         | 444    | 203   | 232   | 258   | 257    |
| For women and girls.....do.....                                             | 1,196     | 847    | 424   | 169   | 204    | 494     |                               | 446    | 289   | 148   | 223   | 487    |
| Other manufactures.....                                                     |           |        |       |       |        |         | 1,862                         | 829    | 229   | 299   | 288   | 676    |
| <b>E. Animal oils, fats, and greases, inedible.</b>                         |           |        |       |       |        |         |                               |        |       |       |       |        |
| Whale oil.....1,000 gals..                                                  | 8,020     | 18,626 | 96    | 6,362 | 2,665  | 3,076   | 10,884                        | 10,704 | 2,378 | 5,840 | 5,797 | 18,490 |
| Cod oil.....do.....                                                         |           | 1,794  | 3,286 | 2,115 | 1,459  | 2,678   | 3,689                         | 7,683  | 29    | 2,556 | 1,004 | 701    |
| Cod-liver oil.....do.....                                                   | 4,577     | 1,737  | 1,248 | 3,433 | 3,470  | 4,607   | 3,221                         | 610    | 920   | 450   | 391   | 810    |
| Other fish oils.....do.....                                                 | 5,218     | 3,153  | 1,565 | 902   | 430    | 163     | 1,312                         | 1,312  | 804   | 1,711 | 2,191 | 2,975  |
| Wool grease.....1,000 lbs..                                                 | 10,387    | 4,792  | 3,992 | 4,395 | 4,597  | 5,627   | 1,851                         | 440    | 143   | 96    | 190   | 78     |
| Tallow.....do.....                                                          | 2 10,629  | 1,672  | 502   | 239   | 42,813 | 245,851 | 380                           | 148    | 113   | 137   | 176   | 272    |
| Stearic acid.....do.....                                                    |           | 6,318  | 6,322 | 5,403 | 2,160  | 5,507   | 1,043                         | 49     | 11    | 7     | 1,625 | 13,104 |
| Grease and oils, n. e. s.....                                               |           |        |       |       |        |         |                               | 374    | 306   | 329   | 175   | 409    |
|                                                                             |           |        |       |       |        |         | 701                           | 88     | 49    | 54    | 45    | 140    |

F. Other animals and animal products, inedible.

|                                                |                       |          |         |         |         |         |          |          |          |          |          |          |         |
|------------------------------------------------|-----------------------|----------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|---------|
| Animals, n. e. s.—                             |                       |          |         |         |         |         | 30, 874  | 17, 280  | 10, 088  | 13, 810  | 13, 336  | 17, 892  |         |
| Horses for breeding.....                       | number                | 500      | 280     | 166     | 196     | 330     | 510      | 1, 134   | 492      | 146      | 180      | 291      | 263     |
| Other horses.....                              | do                    | 2, 673   | 1, 662  | 2, 209  | 2, 833  | 3, 569  | 6, 106   | 618      | 342      | 244      | 350      | 455      | 686     |
| Cattle for breeding.....                       | 1,000 head            | 10       | 10      | 8       | 5       | 7       | 14       | 1, 152   | 892      | 665      | 390      | 424      | 1, 073  |
| Birds, n. e. s.....                            | thousands             | 664      | 656     | 306     | 245     | 201     | 188      | 1, 097   | 717      | 362      | 225      | 249      | 347     |
| Silver foxes.....                              | number                | 1, 665   | 580     | 212     | 115     | 56      | 47       | 336      | 45       | 10       | 4        | 3        | 2       |
| Other animals.....                             |                       |          |         |         |         |         |          | 761      | 522      | 338      | 315      | 356      | 447     |
| Bones, hoofs, and horns—                       |                       |          |         |         |         |         |          |          |          |          |          |          |         |
| Unmanufactured.....                            | 1,000 lbs.            | 129, 256 | 88, 477 | 87, 465 | 91, 243 | 81, 381 | 82, 305  | 1, 774   | 898      | 713      | 791      | 681      | 609     |
| Manufactures.....                              |                       |          |         |         |         |         |          | 96       | 58       | 40       | 57       | 62       | 58      |
| Bristles, sorted, bunched, or prepared.....    | 1,000 lbs.            | 5, 212   | 4, 245  | 3, 486  | 4, 945  | 4, 143  | 4, 854   | 6, 967   | 3, 173   | 2, 313   | 3, 941   | 4, 745   | 6, 100  |
| Feathers, crude.....                           | do                    | 3, 361   | 2, 789  | 1, 558  | 2, 730  | 1, 991  | 3, 411   | 2, 043   | 1, 318   | 551      | 688      | 705      | 1, 236  |
| Feathers, dressed, colored, etc.....           |                       |          |         |         |         |         |          | 219      | 217      | 87       | 48       | 69       | 83      |
| Glue stock, hide cuttings, etc.....            | 1,000 lbs.            | 49, 743  | 31, 794 | 14, 454 | 14, 310 | 17, 800 | 29, 368  | 2, 384   | 1, 603   | 572      | 502      | 736      | 1, 400  |
| Gelatin, inedible, and manufactures.....       |                       |          |         |         |         |         |          | 1, 301   | 612      | 353      | 259      | 85       | 93      |
| Glue and glue size, and manufactures.....      |                       |          |         |         |         |         |          | 939      | 767      | 486      | 651      | 293      | 251     |
| Casein or lactarene.....                       | 1,000 lbs.            | 25, 045  | 3, 503  | 1, 201  | 8, 320  | 1, 491  | 3, 230   | 2, 979   | 143      | 38       | 455      | 143      | 282     |
| Ivory tusks in natural state.....              | do                    | 189      | 40      | 12      | 11      | 34      | 41       | 608      | 119      | 33       | 23       | 72       | 88      |
| Shells, unmanufactured—                        |                       |          |         |         |         |         |          |          |          |          |          |          |         |
| Mother-of-pearl.....                           | do                    | 7, 129   | 4, 438  | 3, 975  | 4, 905  | 3, 840  | 5, 819   | 2, 075   | 1, 299   | 909      | 1, 131   | 876      | 1, 160  |
| All other.....                                 | do                    | 4, 713   | 2, 834  | 4, 904  | 4, 598  | 5, 170  | 3, 244   | 229      | 85       | 31       | 55       | 97       | 71      |
| Sponges and manufactures.....                  | do                    | 993      | 616     | 380     | 448     | 479     | 613      | 1, 115   | 715      | 380      | 351      | 388      | 464     |
| Beeswax, crude, and other animal wax.....      | do                    | 4, 727   | 3, 680  | 3, 451  | 3, 811  | 3, 528  | 4, 376   | 1, 471   | 779      | 468      | 566      | 633      | 858     |
| Tankage.....                                   | tons of 2,240 lbs.    | 18, 371  | 22, 476 | 21, 130 | 25, 017 | 13, 449 | 30, 851  | 581      | 477      | 311      | 542      | 301      | 857     |
| Fish scrap and fish meal.....                  | do                    |          |         | 21, 805 | 26, 626 | 35, 624 | 27, 851  |          |          | 531      | 689      | 996      | 750     |
| Other inedible animal products.....            |                       |          |         |         |         |         |          | 1, 460   | 2, 007   | 484      | 595      | 676      | 627     |
| GROUP I.—VEGETABLE FOOD PRODUCTS AND BEVERAGES |                       |          |         |         |         |         |          |          |          |          |          |          |         |
| Total.....                                     |                       |          |         |         |         |         | 778, 693 | 465, 999 | 361, 863 | 362, 797 | 468, 897 | 566, 441 |         |
| A. Grains and preparations.....                |                       |          |         |         |         |         |          |          |          |          |          |          |         |
| Corn.....                                      | 1,000 bus. of 56 lbs. | 1, 808   | 618     | 344     | 160     | 2, 959  | 43, 242  | 24, 487  | 13, 328  | 7, 661   | 13, 285  | 33, 481  | 73, 814 |
| Oats.....                                      | 1,000 bus. of 32 lbs. | 205      | 576     | 59      | 132     | 5, 589  | 10, 107  | 1, 452   | 328      | 166      | 77       | 1, 530   | 20, 292 |
| Rice.....                                      |                       |          |         |         |         |         |          | 102      | 92       | 23       | 47       | 1, 648   | 2, 939  |
| Uncleaned.....                                 | 1,000 lbs.            | 10, 766  | 5, 957  | 1, 388  | 2, 008  | 5, 961  | 3, 520   | 454      | 133      | 29       | 57       | 133      | 104     |
| Cleaned (except patna).....                    | do                    | 42, 402  | 24, 713 | 16, 286 | 11, 190 | 23, 201 | 19, 481  | 1, 837   | 725      | 418      | 241      | 673      | 534     |
| Patna rice for use in canned foods.....        | do                    | 2, 168   | 1, 644  | 841     | 1, 156  | 2, 294  | 2, 841   | 134      | 63       | 31       | 32       | 70       | 107     |
| Flour, meal, etc.....                          | do                    | 2, 761   | 589     | 549     | 8, 118  | 36, 260 | 27, 615  | 95       | 31       | 18       | 114      | 486      | 382     |
| Wheat—                                         |                       |          |         |         |         |         |          |          |          |          |          |          |         |
| For grinding in bond and export—               |                       |          |         |         |         |         |          |          |          |          |          |          |         |
| To countries except Cuba.....                  | 1,000 bus. of 60 lbs. | 15, 858  | 15, 691 | 10, 026 | 7, 554  | 7, 360  | 7, 518   | 18, 574  | 10, 035  | 5, 362   | 4, 209   | 5, 111   | 5, 928  |
| Cuba.....                                      | do                    |          |         |         | 2, 733  | 3, 446  | 3, 913   |          |          |          | 1, 537   | 2, 495   | 3, 362  |
| Other.....                                     | do                    |          |         |         | 51      | 7, 737  | 27, 439  |          |          |          | 21       | 6, 884   | 21, 072 |
| Wheat flour.....                               | 1,000 lbs.            | 970      | 59      | 46      | 60      | 203     | 2, 611   | 37       | 2        | 1        | 2        | 6        | 54      |
| Biscuits, wafers, cakes, etc.....              |                       |          |         |         |         |         |          | 643      | 411      | 260      | 240      | 286      | 292     |
| Macaroni, vermicelli, noodles, etc.....        | 1,000 lbs.            | 3, 561   | 2, 459  | 2, 225  | 1, 649  | 1, 340  | 1, 390   | 319      | 184      | 152      | 113      | 113      | 120     |
| Bread, yeast-leavened.....                     | do                    | 2, 495   | 2, 762  | 2, 735  | 2, 500  | 2, 640  | 3, 526   | 344      | 353      | 262      | 219      | 245      | 287     |

<sup>a</sup> Average for years 1923-30.

<sup>a</sup> June 18 to Dec. 31, 1930.

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

| Group and article                                                             | Quantity  |         |         |         |         |         | Value in thousands of dollars |        |        |        |        |        |
|-------------------------------------------------------------------------------|-----------|---------|---------|---------|---------|---------|-------------------------------|--------|--------|--------|--------|--------|
|                                                                               | 1926-1930 | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931   | 1932   | 1933   | 1934   | 1935   |
| GROUP 1.—VEGETABLE FOOD PRODUCTS, ETC.—CON.                                   |           |         |         |         |         |         |                               |        |        |        |        |        |
| A. Grains and preparations—Continued.                                         |           |         |         |         |         |         |                               |        |        |        |        |        |
| Barley.....1,000 bus. of 48 lbs                                               |           |         |         | 24      | 6,580   | 4,840   | 496                           | 966    | 940    | 12     | 4,940  | 3,748  |
| Barley malt.....1,000 lbs                                                     |           |         |         | 109,183 | 193,728 | 320,623 |                               |        |        | 2,268  | 5,058  | 9,043  |
| Rye.....1,000 bus. of 56 lbs                                                  |           |         |         | 8,006   | 7,622   | 9,643   |                               |        |        | 3,874  | 3,544  | 4,755  |
| All other.....                                                                |           |         |         |         |         |         |                               |        |        | 223    | 260    | 295    |
| B. Fodders and feeds.                                                         |           |         |         |         |         |         |                               |        |        |        |        |        |
| Hay.....tons of 2,000 lbs                                                     | 133,347   | 67,440  | 13,858  | 7,376   | 23,259  | 67,171  | 14,796                        | 6,462  | 2,270  | 4,192  | 7,593  | 12,932 |
| Oil cake and oil-cake meal—                                                   |           |         |         |         |         |         | 1,253                         | 567    | 96     | 53     | 219    | 665    |
| Soybean.....1,000 lbs                                                         | 95,822    | 39,620  | 36,569  | 66,702  | 60,387  | 107,463 | 1,901                         | 439    | 342    | 537    | 587    | 1,128  |
| Coconut or copra.....do                                                       | 34,570    | 15,084  | 10,758  | 21,195  | 73,560  | 103,738 | 459                           | 122    | 77     | 132    | 468    | 1,007  |
| Cottonseed.....do                                                             | 4 32,923  | 1,533   | 979     | 7,004   | 44,891  | 59,744  | 4 441                         | 9      | 5      | 38     | 503    | 669    |
| Linseed.....do                                                                | 4 60,486  | 18,808  | 22,388  | 24,950  | 16,151  | 20,980  | 4 1,370                       | 205    | 211    | 190    | 143    | 207    |
| All other.....do                                                              | 60,679    | 4,932   | 4,664   | 4,662   | 3,076   | 9,826   | 1,084                         | 48     | 40     | 37     | 26     | 93     |
| Bran, shorts, and other by-product feeds of wheat.....1,000 tons of 2,240 lbs | 261       | 243     | 79      | 198     | 195     | 339     | 6,604                         | 3,213  | 948    | 2,642  | 3,880  | 6,977  |
| Of direct importation.....do                                                  | 145       | 127     | 20      | 114     | 134     | 257     | 3,405                         | 1,707  | 249    | 1,608  | 2,668  | 5,294  |
| Withdrawn from bonded mills.....do                                            | 116       | 116     | 59      | 84      | 62      | 82      | 3,199                         | 1,506  | 699    | 1,035  | 1,212  | 1,682  |
| Beet pulp, dried.....tons of 2,240 lbs                                        | 37,154    | 40,690  | 10,128  | 7,106   | 3,067   | 29,652  | 1,076                         | 631    | 140    | 98     | 61     | 701    |
| Other fodders and feeds.....                                                  |           |         |         |         |         |         | 1,694                         | 1,228  | 411    | 414    | 1,707  | 1,487  |
|                                                                               |           |         |         |         |         |         | 40,677                        | 22,977 | 16,655 | 15,016 | 16,274 | 18,648 |
| C. Vegetables and preparations.                                               |           |         |         |         |         |         |                               |        |        |        |        |        |
| Beans—                                                                        |           |         |         |         |         |         |                               |        |        |        |        |        |
| Green or in brine.....1,000 lbs                                               | 3 1,845   | 5,810   | 7,322   | 5,625   | 4,246   | 5,908   | 3 68                          | 194    | 249    | 164    | 120    | 170    |
| Dried.....do                                                                  | 105,000   | 58,028  | 9,465   | 8,482   | 13,877  | 35,177  | 4,767                         | 1,702  | 251    | 217    | 313    | 850    |
| Peas (except cowpeas and chickpeas)—                                          |           |         |         |         |         |         |                               |        |        |        |        |        |
| Green.....do                                                                  | 3 1,864   | 21,074  | 16,628  | 10,034  | 4,575   | 3,934   | 3 98                          | 1,090  | 840    | 468    | 230    | 194    |
| Dried.....do                                                                  | 16,009    | 6,436   | 8,372   | 10,496  | 8,413   | 6,613   | 639                           | 225    | 254    | 331    | 407    | 264    |
| Split.....do                                                                  | 3,928     | 199     | 2,480   | 2,226   | 3,095   | 302     | 149                           | 4      | 45     | 68     | 109    | 8      |
| Lentils and lupines.....do                                                    | 8,908     | 7,932   | 8,624   | 9,848   | 10,871  | 10,741  | 524                           | 256    | 296    | 332    | 351    | 429    |
| Chickpeas or garbanzos.....do                                                 | 51,545    | 11,717  | 13,118  | 11,427  | 11,436  | 11,072  | 2,846                         | 505    | 492    | 337    | 380    | 369    |
| Truffles.....do                                                               | 38        | 23      | 15      | 13      | 10      | 15      | 41                            | 42     | 21     | 23     | 29     | 35     |
| Mushrooms, not canned.....do                                                  | 6,941     | 1,065   | 339     | 523     | 456     | 552     | 1,985                         | 537    | 146    | 238    | 252    | 315    |
| Potatoes, white or Irish.....do                                               | 288,551   | 274,013 | 43,615  | 70,803  | 92,293  | 24,578  | 5,217                         | 3,126  | 393    | 1,016  | 1,310  | 328    |
| Garlic.....do                                                                 | 4,491     | 5,657   | 6,568   | 6,218   | 4,683   | 6,367   | 247                           | 210    | 188    | 187    | 159    | 322    |
| Turnips.....do                                                                | 123,193   | 92,838  | 95,343  | 96,667  | 88,562  | 99,477  | 776                           | 482    | 420    | 656    | 656    | 542    |
| Tomatoes, natural state.....do                                                | 119,387   | 103,656 | 119,140 | 58,473  | 55,131  | 78,889  | 3,860                         | 3,253  | 3,589  | 1,574  | 1,256  | 1,811  |
| Onions.....do                                                                 | 89,177    | 7,684   | 33,240  | 3,605   | 5,213   | 14,795  | 1,800                         | 130    | 566    | 48     | 89     | 326    |
| Other vegetables, fresh, n. e. s.....                                         |           |         |         |         |         |         | 3,410                         | 1,063  | 993    | 550    | 606    | 810    |

|                                                              |          |          |          |          |          |          |         |         |         |         |         |         |
|--------------------------------------------------------------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|---------|---------|
| Arrowroot, cassava, sago, and tapioca, 1,000 lbs.            | 139, 624 | 151, 545 | 141, 385 | 205, 295 | 192, 481 | 231, 430 | 3, 740  | 3, 244  | 2, 065  | 3, 115  | 3, 397  | 4, 731  |
| Sago flour.....do                                            |          | 6, 136   | 9, 402   | 12, 296  | 12, 460  | 23, 631  |         | 87      | 88      | 118     | 139     | 277     |
| Tapioca crude and prepared.....do                            |          | 143, 195 | 130, 000 | 190, 402 | 176, 109 | 202, 112 |         | 3, 034  | 1, 860  | 2, 839  | 3, 034  | 4, 169  |
| All other.....do                                             |          | 2, 214   | 1, 983   | 2, 597   | 3, 912   | 5, 637   |         | 123     | 117     | 157     | 224     | 294     |
| Vegetables, canned—                                          |          |          |          |          |          |          |         |         |         |         |         |         |
| Peas.....do                                                  | 1, 333   | 397      | 1, 049   | 226      | 531      | 815      |         | 38      | 56      | 20      | 51      | 66      |
| Mushrooms.....do                                             | 1, 340   | 2, 689   | 1, 939   | 1, 417   | 820      | 560      | 3, 365  | 741     | 465     | 356     | 253     | 177     |
| Tomatoes.....do                                              | 101, 550 | 79, 144  | 90, 428  | 74, 360  | 52, 400  | 76, 793  | 5, 266  | 2, 695  | 2, 894  | 2, 720  | 3, 069  | 3, 086  |
| Other.....do                                                 | 8, 253   | 691      | 283      | 242      | 218      | 242      | 823     | 44      | 12      | 11      | 12      | 14      |
| Vegetables, prepared or preserved—                           |          |          |          |          |          |          |         |         |         |         |         |         |
| Pickled vegetables.....do                                    | 2, 549   |          |          | 3, 495   | 2, 589   | 2, 675   | 155     |         |         | 167     | 162     | 172     |
| Sauces, n. s. p. f.....do                                    | 12, 479  | 11, 234  | 11, 688  | 11, 454  | 11, 724  | 10, 839  | 896     | 674     | 427     | 367     | 405     | 421     |
| Tomato paste.....do                                          | 13, 719  | 13, 611  | 10, 760  | 11, 317  | 12, 266  | 10, 778  | 1, 374  | 1, 067  | 748     | 779     | 911     | 997     |
| Pimientos.....do                                             | 4, 391   | 3, 115   | 2, 900   | 2, 622   | 2, 109   | 907      | 473     | 226     | 158     | 177     | 234     | 85      |
| Bean cake, miso, and similar products.....do                 | 949      | 761      | 960      | 1, 407   | 1, 266   | 1, 075   | 74      | 42      | 35      | 48      | 55      | 60      |
| Other.....do                                                 | 8, 841   | 9, 960   | 8, 857   | 6, 281   | 7, 561   | 7, 690   | 603     | 685     | 466     | 357     | 494     | 597     |
| Other edible substances.....do                               |          |          |          |          |          |          | 767     | 783     | 619     | 685     | 965     | 1, 379  |
| D. Fruits and nuts.....do                                    |          |          |          |          |          |          | 84, 868 | 60, 008 | 44, 270 | 37, 478 | 45, 865 | 54, 618 |
| Fruits and preparations.....do                               |          |          |          |          |          |          | 56, 169 | 42, 136 | 34, 336 | 28, 712 | 34, 725 | 39, 145 |
| Plantains.....do                                             |          |          |          |          |          |          | 3, 145  | 159     | 167     | 149     | 172     | 163     |
| Bananas.....1,000 bunches                                    | 61, 887  | 55, 854  | 49, 457  | 39, 613  | 47, 679  | 55, 019  | 34, 435 | 29, 427 | 24, 701 | 20, 205 | 24, 104 | 28, 034 |
| Grapefruit.....1,000 lbs.                                    | 9, 105   | 8, 957   | 7, 101   | 2, 267   | 7, 645   | 3, 914   | 243     | 208     | 185     | 44      | 126     | 67      |
| Lemons.....do                                                | 66, 322  | 20, 059  | 7, 714   | 8, 534   | 1, 916   | 164      | 1, 854  | 560     | 209     | 198     | 50      | 4       |
| Limes.....do                                                 | 4, 979   | 5, 718   | 4, 187   | 3, 282   | 5, 832   | 7, 445   | 138     | 212     | 131     | 96      | 164     | 202     |
| Olives in brine:                                             |          |          |          |          |          |          |         |         |         |         |         |         |
| Not pitted or stuffed.....1,000 gals.                        |          | 3, 673   | 4, 315   | 3, 256   | 3, 215   | 4, 114   | 4, 719  | 1, 432  | 1, 328  | 1, 119  | 1, 645  | 1, 876  |
| Pitted or stuffed.....do                                     | 6, 986   | 2, 260   | 2, 510   | 2, 284   | 2, 307   | 2, 864   | 1, 327  | 1, 301  | 1, 367  | 1, 367  | 1, 730  | 1, 805  |
| Olives, dried and other.....1,000 lbs.                       | 3, 709   | 310      | 477      | 226      | 84       | 1, 115   | 3, 63   | 26      | 39      | 14      | 8       | 91      |
| Pineapples—                                                  |          |          |          |          |          |          |         |         |         |         |         |         |
| Natural state.....do                                         |          |          |          |          |          |          | 2, 131  | 1, 958  | 917     | 641     | 728     | 678     |
| Prepared or preserved—                                       |          |          |          |          |          |          |         |         |         |         |         |         |
| From foreign countries.....1,000 lbs.                        | 3, 379   | 4, 242   | 3, 115   | 3, 184   | 4, 082   | 6, 249   | 360     | 336     | 148     | 146     | 195     | 303     |
| From Philippine Islands.....do                               |          | 3, 289   | 5, 310   | 3, 368   | 4, 197   | 6, 695   |         | 233     | 269     | 198     | 272     | 333     |
| Apples.....1,000 bus. of 50 lbs.                             | 151      | 36       | 64       | 7        | 16       | 24       | 284     | 64      | 17      | 21      | 21      | 21      |
| Berries, natural or in brine.....1,000 lbs.                  | 6, 878   | 3, 455   | 2, 797   | 4, 025   | 4, 091   | 3, 775   | 582     | 238     | 189     | 206     | 255     | 239     |
| Cherries, natural, sulphured, or in brine.....1,000 lbs.     | 12, 378  | 7, 099   | 3, 886   | 1, 278   | 1, 810   | 1, 592   | 1, 670  | 707     | 281     | 77      | 133     | 119     |
| Cherries, dried, prepared, preserved.....do                  | 5, 009   | 496      | 110      | 63       | 34       | 26       | 584     | 44      | 14      | 10      | 8       | 4       |
| Grapes.....1,000 cu. ft.                                     | 139      | 232      | 248      | 260      | 666      | 273      | 438     | 500     | 466     | 359     | 647     | 397     |
| Raisins and other dried grapes.....1,000 lbs.                | 2, 688   | 1, 903   | 1, 325   | 1, 070   | 1, 002   | 803      | 302     | 186     | 109     | 120     | 96      | 80      |
| Currants.....do                                              | 10, 890  | 6, 426   | 7, 217   | 5, 918   | 7, 037   | 6, 257   | 772     | 393     | 373     | 341     | 435     | 340     |
| Dates.....do                                                 | 48, 514  | 44, 039  | 44, 967  | 42, 247  | 48, 835  | 60, 218  | 2, 335  | 1, 706  | 1, 523  | 1, 503  | 1, 795  | 2, 120  |
| Figs.....do                                                  | 30, 438  | 0, 088   | 5, 967   | 7, 163   | 6, 014   | 6, 403   | 2, 173  | 657     | 365     | 502     | 390     | 418     |
| Citron or citron peel.....do                                 | 4, 318   | 3, 169   | 3, 327   | 4, 285   | 3, 693   | 3, 414   | 584     | 235     | 245     | 260     | 277     | 264     |
| Ginger root, prepared or preserved.....do                    | 1, 080   | 965      | 874      | 967      | 1, 098   | 1, 093   | 132     | 66      | 48      | 50      | 79      | 87      |
| Jellies, jams, marmalades, and fruit butter.....do           |          |          |          |          |          |          |         |         |         |         |         |         |
| Other fruits, natural, prepared, or preserved.....1,000 lbs. | 3, 650   | 2, 949   | 2, 730   | 2, 775   | 2, 293   | 2, 094   | 500     | 347     | 246     | 284     | 296     | 253     |
| Fruits, n. e. s., from Cuba.....do                           | 28, 158  | 21, 324  | 21, 115  | 5, 289   | 6, 432   |          | 1, 686  | 919     | 795     | 800     | 994     | 1, 097  |
|                                                              | 8, 673   | 9, 527   | 9, 680   |          |          | 7, 168   | 225     | 200     | 176     | 88      | 112     | 148     |

<sup>1</sup> June 18 to Dec. 31, 1930.

<sup>2</sup> Average for years 1929 and 1930.



No. 524.—IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

522

FOREIGN COMMERCE

| Group and article                                  | Quantity  |         |        |        |        |         | Value in thousands of dollars |        |       |       |        |        |
|----------------------------------------------------|-----------|---------|--------|--------|--------|---------|-------------------------------|--------|-------|-------|--------|--------|
|                                                    | 1926-1930 | 1931    | 1932   | 1933   | 1934   | 1935    | 1926-1930                     | 1931   | 1932  | 1933  | 1934   | 1935   |
| <b>GROUP 1.—VEGETABLE FOOD PRODUCTS, ETC.—CON.</b> |           |         |        |        |        |         |                               |        |       |       |        |        |
| <b>D. Fruits and nuts—Continued.</b>               |           |         |        |        |        |         |                               |        |       |       |        |        |
| <b>Nuts</b>                                        |           |         |        |        |        |         | 28,680                        | 17,872 | 9,935 | 8,768 | 10,940 | 15,472 |
| Chestnuts, including marrons.....1,000 lbs.        | 18,704    | 19,511  | 15,421 | 13,236 | 14,070 | 16,681  | 940                           | 939    | 553   | 492   | 540    | 704    |
| Coconuts, in the shell.....thousands               | 65,289    | 59,505  | 50,153 | 55,215 | 62,435 | 56,363  | 1,644                         | 1,013  | 770   | 794   | 998    | 860    |
| <b>Almonds</b>                                     |           |         |        |        |        |         |                               |        |       |       |        |        |
| Shelled.....1,000 lbs.                             | 17,537    | 13,147  | 5,684  | 3,901  | 2,867  | 7,340   | 6,090                         | 2,883  | 1,029 | 764   | 686    | 1,488  |
| Not shelled.....do                                 | 1,751     | 11      | 144    | 11     | 4      | 2,731   | 240                           | 2      | 8     | 1     | (1)    | 194    |
| <b>Brazil or cream—</b>                            |           |         |        |        |        |         |                               |        |       |       |        |        |
| Shelled.....do                                     | 29,688    | 6,551   | 6,660  | 6,038  | 7,985  | 8,869   | 2,815                         | 1,222  | 829   | 694   | 944    | 1,122  |
| Not shelled.....do                                 |           | 27,705  | 20,229 | 18,001 | 17,167 | 22,416  |                               | 1,177  | 675   | 664   | 764    | 917    |
| <b>Coconut meat, desiccated or prepared—</b>       |           |         |        |        |        |         |                               |        |       |       |        |        |
| Product of the Philippine Islands.....do           | 39,604    | 37,133  | 36,303 | 39,694 | 51,884 | 74,679  | 3,280                         | 1,936  | 1,595 | 1,655 | 2,212  | 3,781  |
| Other.....do                                       | 14,571    | 4,163   | 1,167  | 1,565  | 1,541  | 995     | 1,170                         | 179    | 39    | 68    | 54     | 41     |
| <b>Filberts—</b>                                   |           |         |        |        |        |         |                               |        |       |       |        |        |
| Shelled.....do                                     | 5,639     | 3,788   | 2,804  | 2,310  | 2,231  | 2,104   | 1,155                         | 862    | 300   | 259   | 378    | 374    |
| Not shelled.....do                                 | 9,108     | 6,751   | 5,902  | 2,574  | 2,452  | 3,533   | 1,056                         | 565    | 265   | 206   | 176    | 304    |
| <b>Walnuts—</b>                                    |           |         |        |        |        |         |                               |        |       |       |        |        |
| Shelled.....do                                     | 18,604    | 16,836  | 9,250  | 5,414  | 5,602  | 5,258   | 5,072                         | 3,686  | 1,402 | 800   | 916    | 818    |
| Not shelled.....do                                 | 12,839    | 5,001   | 3,087  | 377    | 28     | 308     | 1,557                         | 417    | 210   | 23    | 3      | 22     |
| <b>Peanuts—</b>                                    |           |         |        |        |        |         |                               |        |       |       |        |        |
| Product of the Philippine Islands.....do           | 865       | 921     | 23     | 1      | 240    | 1       | 54                            | 51     | 1     | (1)   | 12     | (1)    |
| Shelled.....do                                     | 33,629    | 5,308   | 36     | 18     | 20     | 31      | 1,627                         | 140    | 1     | 1     | 2      | 4      |
| Not shelled.....do                                 | 6,009     | 4,277   | 473    | 193    | 352    | 233     | 252                           | 115    | 10    | 4     | 7      | 7      |
| Pecans.....do                                      | 530       | 511     | 6      | 285    | 396    | 266     | 65                            | 57     | 1     | 52    | 81     | 56     |
| Pignolia.....do                                    | 579       | 511     | 337    | 289    | 326    | 354     | 189                           | 95     | 66    | 61    | 83     | 84     |
| Pistache.....do                                    | 1,285     | 1,495   | 2,119  | 2,360  | 1,629  | 3,091   | 489                           | 427    | 421   | 437   | 469    | 758    |
| Cashew.....do                                      | 4,079     | 10,525  | 9,799  | 12,526 | 14,899 | 22,376  | 3,856                         | 2,095  | 1,612 | 1,609 | 2,349  | 3,659  |
| Other edible nuts, n. e. s.....do                  | 4,275     | 1,188   | 979    | 909    | 1,113  | 1,112   | 955                           | 210    | 146   | 182   | 263    | 273    |
| <b>E. Vegetable oils and fats, edible</b>          | 94,569    | 134,922 | 98,684 | 91,108 | 91,745 | 397,634 | 15,565                        | 11,216 | 7,687 | 7,060 | 8,522  | 26,483 |
| Cacao butter.....do                                | 116       | 10      | 16     | 8      | 8      | 12      | 26                            | 3      | 3     | 2     | 2      | 3      |
| <b>Olive oil—</b>                                  |           |         |        |        |        |         |                               |        |       |       |        |        |
| In packages.....do                                 | 85,247    | 70,394  | 74,274 | 66,419 | 56,008 | 70,789  | 14,812                        | 8,253  | 6,075 | 6,213 | 6,689  | 8,758  |
| Weighting less than 40 pounds.....do               | 51,318    | 35,432  | 36,102 | 33,339 | 24,813 | 29,019  | 9,024                         | 4,353  | 3,656 | 3,256 | 3,264  | 3,825  |
| Of 40 pounds and over.....do                       | 33,929    | 34,962  | 38,172 | 33,081 | 31,395 | 41,769  | 5,787                         | 3,900  | 3,319 | 2,957 | 3,725  | 4,933  |
| <b>Sunflower seed oil</b>                          |           |         |        |        |        |         |                               |        |       |       |        |        |
| .....do                                            |           |         | 16,457 | 14,082 | 10,046 | 37,052  |                               |        | 411   | 428   | 458    | 2,220  |
| Peanut oil.....do                                  | 6,935     | 14,886  | 1,489  | 1,323  | 2,722  | 80,723  | 602                           | 645    | 90    | 81    | 136    | 3,367  |
| Cottonseed oil.....do                              |           |         |        |        | 9,157  | 166,687 |                               |        |       |       | 383    | 8,880  |
| Corn oil.....do                                    |           |         |        | 9,160  | 10,769 | 25,746  |                               |        |       |       | 450    | 1,671  |
| Other edible oils.....do                           | 11,362    | 49,632  | 6,448  | 117    | 3,035  | 16,625  | 630                           | 2,315  | 207   | 319   | 103    | 684    |

|                                                       |                          |           |           |           |           |           |           |         |         |         |         |         |         |         |         |
|-------------------------------------------------------|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| F. Cocoa, coffee, and tea                             |                          |           |           |           |           |           |           |         |         | 355,795 | 217,514 | 169,360 | 156,948 | 169,170 | 180,998 |
| Cocoa or cacao beans                                  | 1,000 lbs.               | 422,263   | 415,977   | 479,562   | 474,196   | 441,584   | 606,311   | 45,497  | 23,193  | 19,676  | 18,735  | 19,364  | 26,566  | 32,633  |         |
| Cocoa, prepared                                       | do                       | 3,987     | 3,524     | 3,561     | 4,369     | 2,985     | 3,052     | 565     | 456     | 338     | 316     | 336     | 823     | 823     |         |
| Chocolate, prepared                                   | do                       | 3,089     | 759       | 367       | 235       | 223       | 302       | 982     | 204     | 79      | 52      | 52      | 64      | 64      |         |
| Coffee                                                | do                       | 1,492,950 | 1,741,536 | 1,501,126 | 1,586,254 | 1,523,994 | 1,755,809 | 281,707 | 174,904 | 136,812 | 124,137 | 133,154 | 136,860 | 17,180  |         |
| Tea                                                   | do                       | 89,844    | 86,733    | 94,727    | 96,582    | 76,410    | 86,235    | 27,045  | 18,757  | 12,455  | 13,707  | 16,264  | 17,180  | 17,180  |         |
| G. Spices                                             |                          |           |           |           |           |           |           |         |         | 17,577  | 10,599  | 7,936   | 6,065   | 10,719  | 10,555  |
| Paprika, ground                                       | do                       | 5,125     | 4,401     | 4,581     | 5,740     | 5,990     | 6,585     | 957     | 573     | 492     | 676     | 819     | 840     | 840     |         |
| Celery seed                                           | do                       | 856       | 970       | 870       | 727       | 929       | 1,444     | 138     | 140     | 158     | 227     | 370     | 258     | 258     |         |
| Cinnamon and chips of, unground                       | do                       | 922       | 770       | 876       | 896       | 681       | 850       | 349     | 77      | 68      | 64      | 61      | 98      | 98      |         |
| Caraway seed                                          | do                       | 4,753     | 5,905     | 5,465     | 8,117     | 4,393     | 6,168     | 351     | 302     | 276     | 545     | 323     | 410     | 410     |         |
| Cardamom seed                                         | do                       | 203       | 244       | 131       | 213       | 223       | 169       | 198     | 137     | 65      | 103     | 123     | 90      | 90      |         |
| Capsicum or red or cayenne and chili pepper, unground | 1,000 lbs.               | 2,274     | 1,160     | 1,116     | 1,343     | 1,669     | 1,612     | 315     | 86      | 88      | 93      | 129     | 118     | 118     |         |
| Cassia and cassia vera                                | do                       | 8,720     | 7,616     | 7,550     | 10,000    | 9,762     | 10,993    | 642     | 451     | 468     | 545     | 739     | 777     | 777     |         |
| Cloves, unground                                      | do                       | 4,862     | 8,942     | 4,496     | 3,724     | 4,959     | 8,775     | 923     | 684     | 459     | 340     | 498     | 368     | 368     |         |
| Ginger root, unground, not prepared                   | do                       | 3,878     | 5,959     | 2,951     | 3,622     | 3,500     | 3,404     | 335     | 282     | 120     | 139     | 221     | 279     | 279     |         |
| Mustard—                                              |                          |           |           |           |           |           |           |         |         |         |         |         |         |         |         |
| Seed, whole                                           | do                       | 16,922    | 10,935    | 10,224    | 11,822    | 15,098    | 7,771     | 930     | 445     | 395     | 442     | 577     | 342     | 342     |         |
| Ground or prepared                                    | do                       | 1,725     | 1,447     | 1,034     | 1,255     | 985       | 1,026     | 967     | 767     | 420     | 622     | 582     | 593     | 593     |         |
| Nutmegs, unground                                     | do                       | 4,122     | 4,550     | 4,278     | 4,461     | 4,342     | 4,421     | 873     | 422     | 301     | 316     | 406     | 504     | 504     |         |
| Mace, unground                                        | do                       | 734       | 624       | 730       | 728       | 775       | 705       | 452     | 188     | 156     | 185     | 244     | 295     | 295     |         |
| Pepper, unground—                                     |                          |           |           |           |           |           |           |         |         |         |         |         |         |         |         |
| Black                                                 | do                       | 22,894    | 28,459    | 28,226    | 30,362    | 31,310    | 33,066    | 5,540   | 3,002   | 2,426   | 1,954   | 2,569   | 2,268   | 2,268   |         |
| White                                                 | do                       | 4,117     | 5,118     | 5,668     | 4,320     | 4,050     | 4,748     | 1,517   | 798     | 590     | 441     | 605     | 861     | 861     |         |
| Pimento (allspice), unground                          | do                       | 2,300     | 2,908     | 2,397     | 2,223     | 2,492     | 4,128     | 351     | 158     | 80      | 88      | 127     | 241     | 241     |         |
| Tonka beans                                           | do                       | 4,328     | 650       | 355       | 382       | 600       | 515       | 4,284   | 533     | 253     | 332     | 634     | 597     | 597     |         |
| Vanilla beans                                         | do                       | 1,245     | 1,505     | 1,199     | 1,179     | 1,244     | 829       | 2,147   | 1,342   | 825     | 705     | 1,353   | 1,295   | 1,295   |         |
| Other spices                                          | do                       | 4,328     | 3,514     | 4,521     | 6,736     | 6,763     | 6,679     | 478     | 212     | 149     | 246     | 341     | 330     | 330     |         |
| H. Sugar and related products                         |                          |           |           |           |           |           |           |         |         | 223,199 | 122,613 | 105,025 | 111,437 | 128,982 | 147,088 |
| Sugarcane, natural                                    | 1,000 tons of 2,000 lbs. | 2,240     | 10        | 284       | 214       | 90        | 1,840     | 1,682   | 22      | 610     | 352     | 148     |         |         |         |
| Beet sugar                                            | 1,000 lbs.               | 354       | 4,860     | 1,102     | 53        | 146       | 1,682     | 12      | 154     | 17      | 1       | 1       | 26      | 26      |         |
| Cane sugar                                            | do                       | 8,470,917 | 6,347,559 | 5,941,440 | 5,668,906 | 5,994,375 | 5,908,295 | 207,806 | 112,626 | 96,701  | 104,934 | 117,614 | 133,475 | 133,475 |         |
| Product of Philippine Islands and Virgin Islands      | 1,000 lbs.               | 1,209,073 | 1,638,938 | 2,039,471 | 2,469,144 | 2,212,491 | 1,805,525 | 45,597  | 50,021  | 57,340  | 66,803  | 61,747  | 51,998  | 51,998  |         |
| Other                                                 | do                       | 7,261,844 | 4,708,721 | 3,851,969 | 3,199,761 | 3,781,885 | 4,102,770 | 161,709 | 62,605  | 39,361  | 38,131  | 55,867  | 81,478  | 81,478  |         |
| Molasses, n. e. s.                                    | 1,000 gals.              | 267,741   | 7,243     | 8,694     | 11,287    | 17,870    | 12,644    | 12,996  | 1,182   | 847     | 985     | 1,096   | 1,467   | 1,467   |         |
| Molasses not for human consumption                    | do                       | 26,834    | 176,837   | 178,077   | 153,649   | 202,591   | 236,877   | 1,894   | 7,163   | 5,574   | 3,985   | 6,151   | 11,055  | 11,055  |         |
| Sugar candy and confectionery, n. e. s.               | 1,000 lbs.               | 3,869     | 5,363     | 4,593     | 4,460     | 3,320     | 4,252     | 951     | 961     | 660     | 621     | 485     | 578     | 578     |         |
| Maple sugar and maple sirup                           | do                       | 7,853     | 2,698     | 3,410     | 3,343     | 4,292     | 4,988     | 1,396   | 498     | 605     | 548     | 572     | 486     | 486     |         |
| Honey, dextrose, lactose, and levulose*               | do                       | 257       | 170       | 85        | 108       | 142       | 62        | 35      | 17      | 10      | 11      | 15      | 9       | 9       |         |
| I. Beverages                                          |                          |           |           |           |           |           |           |         |         | 1,717   | 1,265   | 1,101   | 9,327   | 50,491  | 42,813  |
| Brandy                                                | 1,000 pt. gals.          |           |           |           |           | 556       | 444       |         |         |         |         |         |         | 3,544   |         |
| Gin                                                   | do                       |           |           |           |           | 153       | 60        |         |         |         |         |         |         | 451     |         |
| Rum                                                   | do                       | 69        | 33        | 39        | 794       | 316       | 482       | 316     | 139     | 188     | 4,071   | 1,889   | 20,498  | 20,498  |         |
| Whisky                                                | do                       |           |           |           |           | 5,624     | 5,847     |         |         |         |         |         | 27,818  | 27,818  |         |
| Other spirits and compounds                           | do                       |           |           |           |           | 584       | 227       |         |         |         |         |         | 2,352   | 1,192   |         |

Less than 500.

\* Average for years 1928-30.

† June 18 to Dec. 31, 1930.

\* Average for years 1929 and 1930.

‡ 1930 only.

\* "Honey" prior to Sept. 18, 1930.

No. 524.—IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

| Group and article                                                    | Quantity  |           |         |         |           |           | Value in thousands of dollars |         |         |         |         |         |
|----------------------------------------------------------------------|-----------|-----------|---------|---------|-----------|-----------|-------------------------------|---------|---------|---------|---------|---------|
|                                                                      | 1926-1930 | 1931      | 1932    | 1933    | 1934      | 1935      | 1926-1930                     | 1931    | 1932    | 1933    | 1934    | 1935    |
| <b>GROUP 1.—VEGETABLE FOOD PRODUCTS, ETC.—CON.</b>                   |           |           |         |         |           |           |                               |         |         |         |         |         |
| <b>1. Beverages—Continued.</b>                                       |           |           |         |         |           |           |                               |         |         |         |         |         |
| Sparkling wines.....1,000 gals..                                     | 39        | 21        | 34      | 153     | 395       | 277       | 93                            | 55      | 66      | 1,160   | 2,971   | 2,100   |
| Still wines.....do..                                                 |           |           |         | 723     | 3,463     | 2,494     |                               |         |         | 2,122   | 10,212  | 6,681   |
| Ginger ale or ginger beer, nonalcoholic.....do..                     | 106       | 22        | 9       | 6       | 8         | 7         | 112                           | 26      | 8       | 6       | 10      | 7       |
| Mineral water.....do..                                               | 912       | 974       | 846     | 636     | 351       | 300       | 452                           | 494     | 412     | 397     | 284     | 243     |
| Other beverages and fruit juices.....do..                            |           |           |         |         |           |           | 745                           | 551     | 427     | 1,571   | 1,055   | 1,333   |
| <b>GROUP 2.—VEGETABLE PRODUCTS, INEDIBLE, EXCEPT FIBERS AND WOOD</b> |           |           |         |         |           |           |                               |         |         |         |         |         |
| <b>Total</b> .....                                                   |           |           |         |         |           |           | 576,128                       | 327,151 | 125,543 | 162,768 | 222,058 | 282,121 |
| <b>A. Rubber and manufactures</b>                                    |           |           |         |         |           |           |                               |         |         |         |         |         |
| Rubber, crude, and milk of.....1,000 lbs..                           | 1,042,301 | 1,124,003 | 928,857 | 938,340 | 1,036,268 | 1,045,380 | 302,945                       | 76,767  | 34,609  | 51,393  | 105,032 | 122,307 |
| Jelutong or pontianak.....do..                                       | 16,446    | 12,941    | 10,319  | 13,417  | 11,171    | 12,643    | 294,428                       | 73,803  | 32,538  | 45,868  | 101,573 | 119,282 |
| Balata.....do..                                                      | 1,298     | 2,705     | 1,585   | 3,716   | 2,361     | 1,377     | 2,396                         | 1,019   | 617     | 945     | 944     | 1,063   |
| Gutta-percha.....do..                                                | 2,255     | 275       | 425     | 1,318   | 3,824     | 3,589     | 445                           | 412     | 147     | 2,262   | 438     | 188     |
| Guayule.....do..                                                     | 6,618     |           |         |         | 892       | 1,028     | 471                           | 36      | 28      | 94      | 426     | 514     |
| Siak and scrap, and reclaimed.....do..                               | 20,951    | 9,514     | 5,942   | 6,866   | 9,797     | 8,843     | 1,577                         |         |         |         | 75      | 87      |
| Rubber-soled footwear, fabric uppers <sup>10</sup> .....do..         |           |           |         |         |           |           | 714                           | 119     | 55      | 54      | 86      | 107     |
| Rubber toys <sup>11</sup> .....1,000 prs..                           |           |           |         | 4,438   | 1,338     | 934       |                               |         |         | 703     | 332     | 235     |
| Druggists' sundries, n. e. s. <sup>12</sup> .....1,000 lbs..         |           |           |         |         |           | 1,315     |                               |         |         | 361     | 269     | 167     |
| Combs, hard rubber <sup>13</sup> .....do..                           |           |           |         | 3,753   | 1,288     | 809       |                               |         |         | 45      | 76      | 82      |
| Golf balls.....do..                                                  | 2,691     | 1,264     | 1,451   | 1,023   | 457       | 536       | 1,013                         | 388     | 336     | 123     | 60      | 46      |
| Tennis and other balls <sup>14</sup> .....do..                       |           |           |         | 1,577   | 2,239     | 3,452     |                               |         |         | 243     | 111     | 91      |
| Rubber tires.....number..                                            | 8,286     | 38,312    | 40,706  | 25,676  | 11,210    | 39,378    |                               |         |         | 84      | 151     | 155     |
| Other manufactures of rubber.....do..                                |           |           |         |         |           |           | 98                            | 88      | 217     | 128     | 20      | 76      |
|                                                                      |           |           |         |         |           |           | 1,803                         | 902     | 671     | 484     | 471     | 415     |
| <b>B. Gums, resins, and balsams, n. e. s.</b>                        |           |           |         |         |           |           |                               |         |         |         |         |         |
| Varnish gums and resins—                                             |           |           |         |         |           |           | 31,167                        | 13,131  | 7,913   | 6,963   | 9,115   | 10,997  |
| Damar.....1,000 lbs..                                                | 15,369    | 11,734    | 8,553   | 12,960  | 11,251    | 15,005    | 1,969                         | 704     | 344     | 572     | 703     | 783     |
| Kauri.....do..                                                       | 4,485     | 1,641     | 770     | 1,903   | 776       | 1,387     | 667                           | 206     | 68      | 154     | 98      | 141     |
| Lac, crude, seed, button, and stick.....do..                         | 48,333    | 7,191     | 9,518   | 11,447  | 8,068     | 7,484     | 2,152                         | 934     | 1,015   | 873     | 1,127   | 853     |
| Shellac.....do..                                                     | 26,554    | 11,962    | 11,321  | 9,838   | 10,219    | 20,054    | 9,820                         | 1,953   | 1,511   | 972     | 1,810   | 2,736   |
| All other.....do..                                                   | 40,856    | 15,303    | 10,313  | 15,366  | 12,520    | 20,569    | 4,817                         | 778     | 392     | 681     | 693     | 1,076   |
| Tar, pitch, and turpentine.....do..                                  |           |           |         |         |           |           | 341                           | 57      | 103     | 163     | 167     | 227     |
| Camphor—                                                             |           |           |         |         |           |           |                               |         |         |         |         |         |
| Natural, crude.....1,000 lbs..                                       | 2,667     | 2,004     | 1,799   | 1,989   | 2,663     | 1,542     | 1,123                         | 714     | 513     | 411     | 646     | 422     |
| Natural, refined.....do..                                            | 1,258     | 1,152     | 1,034   | 1,599   | 1,425     | 1,256     | 706                           | 546     | 358     | 479     | 570     | 490     |
| Synthetic.....do..                                                   | 2,901     | 1,798     | 1,460   | 891     | 659       | 926       | 1,171                         | 588     | 406     | 220     | 258     | 321     |

|                                                                               |                |               |               |               |               |                |               |               |               |               |               |               |
|-------------------------------------------------------------------------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Chicle, crude.....do.....                                                     | 12,833         | 8,928         | 4,948         | 4,066         | 5,499         | 7,775          | 6,460         | 4,195         | 2,023         | 1,081         | 1,471         | 1,887         |
| Balsams, crude.....do.....                                                    | 389            | 318           | 254           | 326           | 360           | 395            | 200           | 120           | 68            | 90            | 103           | 126           |
| Arabic or Senegal.....do.....                                                 | 8,657          | 7,264         | 5,509         | 5,574         | 6,347         | 7,955          | 870           | 536           | 227           | 262           | 384           | 622           |
| Tragacanth.....do.....                                                        | 1,533          | 1,673         | 1,425         | 2,364         | 1,269         | 2,474          | 754           | 674           | 328           | 422           | 335           | 571           |
| Kadaya (karaya) and talka.....do.....                                         | 4,925          | 4,582         | 3,544         | 4,122         | 4,107         | 4,830          | 4,445         | 397           | 196           | 235           | 413           | 311           |
| Other gums and resins, n. e. s.....do.....                                    |                |               |               |               |               |                | 1,230         | 729           | 361           | 346           | 336           | 421           |
| <b>C. Drugs, herbs, leaves, roots, etc.....</b>                               | <b>116,216</b> | <b>89,452</b> | <b>91,481</b> | <b>79,332</b> | <b>89,224</b> | <b>107,857</b> | <b>9,474</b>  | <b>5,925</b>  | <b>5,005</b>  | <b>5,043</b>  | <b>6,547</b>  | <b>7,594</b>  |
| Cinchona bark or other from which quinine may be extracted.....1,000 lbs..... | 2,257          | 1,581         | 1,139         | 1,814         | 1,690         | 1,618          | 631           | 424           | 358           | 561           | 668           | 631           |
| Pyrethrum or insecticide flowers.....do.....                                  | 10,017         | 4,521         | 12,111        | 10,435        | 10,591        | 15,578         | 1,905         | 522           | 1,309         | 1,521         | 2,059         | 2,042         |
| Licorice root.....do.....                                                     | 75,450         | 59,283        | 57,569        | 41,649        | 53,013        | 59,731         | 2,006         | 1,424         | 1,156         | 780           | 938           | 1,134         |
| Licorice extract.....do.....                                                  | 1,050          | 1,812         | 1,039         | 978           | 561           | 691            | 193           | 154           | 100           | 118           | 86            | 111           |
| Opium, crude.....do.....                                                      | 136            | 130           | 130           | 121           | 134           | 88             | 880           | 394           | 274           | 317           | 554           | 407           |
| Senna.....do.....                                                             | 2,887          | 1,266         | 1,944         | 2,121         | 1,303         | 2,304          | 195           | 70            | 82            | 94            | 67            | 103           |
| Plantago psyllium seed.....do.....                                            |                |               |               | 4,628         | 1,645         | 2,158          |               |               |               | 260           | 106           | 130           |
| All other.....do.....                                                         | 24,419         | 22,625        | 17,549        | 17,586        | 20,286        | 25,688         | 3,665         | 2,937         | 1,725         | 1,390         | 2,068         | 3,036         |
| <b>D. Oilseeds.....</b>                                                       |                |               |               |               |               |                | <b>65,939</b> | <b>32,666</b> | <b>16,472</b> | <b>26,706</b> | <b>23,209</b> | <b>34,164</b> |
| Cottonseed.....1,000 lbs.....                                                 | 14,287         |               |               | 14            |               |                | 189           |               |               | (1)           |               |               |
| Castor beans.....do.....                                                      | 128,553        | 103,215       | 83,156        | 109,965       | 92,840        | 77,049         | 4,892         | 2,359         | 1,604         | 1,338         | 1,738         | 1,702         |
| Copra.....do.....                                                             | 515,371        | 457,947       | 453,447       | 660,872       | 399,234       | 454,134        | 22,553        | 11,067        | 8,059         | 9,238         | 4,804         | 9,598         |
| Flaxseed.....1,000 bus. of 56 lbs.....                                        | 19,771         | 14,480        | 7,919         | 13,365        | 14,170        | 17,560         | 36,794        | 14,129        | 5,154         | 13,578        | 15,028        | 15,623        |
| Poppy seed.....1,000 lbs.....                                                 | 5,973          | 7,196         | 6,634         | 8,205         | 6,412         | 8,393          |               | 411           | 417           | 629           | 363           | 397           |
| Palm nuts and kernels.....do.....                                             |                |               | 28,700        | 14,919        | 8,509         | 50,073         |               |               | 381           | 173           | 110           | 732           |
| Rapeseed.....do.....                                                          |                |               | 10,748        | 13,627        | 9,324         | 29,615         |               |               | 269           | 348           | 271           | 624           |
| Sesame seed.....do.....                                                       | 17,967         | 139,608       | 19,182        | 42,631        | 22,327        | 146,394        | 641           | 3,606         | 428           | 818           | 508           | 3,480         |
| Other oil seeds.....do.....                                                   | 25,430         | 50,443        | 9,915         | 5,967         | 30,919        | 148,431        | 914           | 1,094         | 158           | 84            | 386           | 2,008         |
| <b>E. Vegetable oils.....</b>                                                 |                |               |               |               |               |                | <b>72,963</b> | <b>40,413</b> | <b>24,323</b> | <b>30,615</b> | <b>30,666</b> | <b>57,768</b> |
| <b>Expressed oils and fats.....</b>                                           |                |               |               |               |               |                | <b>66,375</b> | <b>36,760</b> | <b>21,577</b> | <b>27,236</b> | <b>26,176</b> | <b>53,352</b> |
| Tung oil.....1,000 lbs.....                                                   | 105,576        | 79,311        | 75,922        | 118,760       | 110,007       | 120,059        | 12,367        | 4,426         | 3,434         | 4,833         | 6,852         | 13,131        |
| Coconut oil.....do.....                                                       |                |               |               |               |               |                |               |               |               |               |               |               |
| Product of Philippine Islands.....do.....                                     | 311,798        | 325,175       | 249,117       | 318,078       | 314,802       | 353,396        | 23,500        | 15,272        | 7,619         | 8,566         | 7,372         | 12,576        |
| All other.....do.....                                                         |                |               |               | 25            | 10            |                |               |               |               | 2             | (1)           | 1             |
| Palm oil.....do.....                                                          | 201,839        | 258,145       | 217,167       | 287,483       | 165,631       | 297,579        | 13,209        | 10,791        | 5,998         | 7,001         | 3,906         | 8,574         |
| Inedible oils for mechanical or manufacturing purposes.....do.....            |                |               |               |               |               |                |               |               |               |               |               |               |
| Olive oil, sulphured or foots.....1,000 lbs.....                              | 48,162         | 36,924        | 45,909        | 40,488        | 36,165        | 33,797         | 3,285         | 1,652         | 1,005         | 1,550         | 1,958         | 2,058         |
| Other inedible olive oil.....do.....                                          | 3,583          | 12,045        | 11,769        | 16,509        | 9,670         | 19,743         | 1,113         | 1,003         | 735           | 1,075         | 884           | 1,672         |
| Palm-kernel oil.....do.....                                                   | 54,184         | 12,928        | 249           | 12,898        | 11,800        | 50,593         | 4,415         | 637           | 11            | 379           | 301           | 1,919         |
| Rapeseed (colza) oil.....1,000 gals.....                                      | 3,478          | 948           | 609           | 1,469         | 1,976         | 3,348          | 3,223         | 354           | 158           | 412           | 617           | 1,149         |
| Sesame oil.....1,000 lbs.....                                                 | 9,854          |               | (1)           |               | 1             | 11             | 941           | (1)           | (1)           | (1)           | (1)           |               |
| Vegetable tallow.....do.....                                                  | 6,692          |               |               | 138           | 81            |                |               |               |               |               |               | 3             |
| Carnauba wax.....do.....                                                      | 2,6,579        | 7,447         | 6,166         | 7,720         | 7,842         | 10,421         | 2,1496        | 1,070         | 733           | 970           | 1,528         | 2,789         |
| Vegetable wax.....do.....                                                     | 5,899          | 2,648         | 3,197         | 3,836         | 2,993         | 4,660          | 1,332         | 230           | 217           | 199           | 191           | 380           |
| Rapeseed (colza) oil, n. e. s.....1,000 gals.....                             | 2,342          | 460           | 360           | 119           | 241           | 4,691          | 1,515         | 225           | 118           | 47            | 84            | 1,745         |

<sup>1</sup> Less than 500.

<sup>2</sup> Average for years 1928-30.

<sup>3</sup> June 18 to Dec. 31, 1930.

<sup>4</sup> Average for years 1929 and 1930.

<sup>10</sup> Included with "Leather footwear with textile uppers" prior to 1933.

<sup>11</sup> Included with "Other toys" prior to 1933.

<sup>12</sup> Included with "Other manufactures of rubber" prior to 1933.

<sup>13</sup> Included with "Combs except metal" prior to 1933.

<sup>14</sup> Included with "Balls for games, n. e. s." prior to 1933.

## No. 524.—IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

| Group and article                                                              | Quantity            |        |         |         |                  |         | Value in thousands of dollars |       |       |       |       |       |
|--------------------------------------------------------------------------------|---------------------|--------|---------|---------|------------------|---------|-------------------------------|-------|-------|-------|-------|-------|
|                                                                                | 1926-1930           | 1931   | 1932    | 1933    | 1934             | 1935    | 1926-1930                     | 1931  | 1932  | 1933  | 1934  | 1935  |
| <b>GROUP 2.—VEGETABLE PRODUCTS, INEDIBLE, EXCEPT FIBERS AND WOOD—Continued</b> |                     |        |         |         |                  |         |                               |       |       |       |       |       |
| <b>E. Vegetable oils—Continued.</b>                                            |                     |        |         |         |                  |         |                               |       |       |       |       |       |
| <b>Expressed oils and fats—Continued.</b>                                      |                     |        |         |         |                  |         |                               |       |       |       |       |       |
| Linseed oil.....1,000 lbs..                                                    | 5,649               | 235    | 25      | 9,375   | 2,781            | 2,232   | 414                           | 11    | 1     | 341   | 105   | 91    |
| Soybean oil.....do.....                                                        | 17,316              | 4,916  | 405     | 2,035   | 2,829            | 14,249  | 1,109                         | 173   | 11    | 64    | 91    | 635   |
| Perilla oil.....do.....                                                        | <sup>2</sup> 5,474  | 13,285 | 16,526  | 22,776  | 25,164           | 72,328  | <sup>2</sup> 578              | 729   | 554   | 1,086 | 1,613 | 4,384 |
| Other expressed oils.....do.....                                               | 15,869              | 2,669  | 8,793   | 17,663  | 15,072           | 35,695  | 1,420                         | 187   | 332   | 720   | 668   | 2,244 |
| <b>Essential and distilled oils.....</b>                                       |                     |        |         |         |                  |         |                               |       |       |       |       |       |
| Cassia and cinnamon.....1,000 lbs..                                            | 349                 | 306    | 326     | 397     | 378              | 451     | 6,586                         | 3,853 | 2,746 | 3,380 | 4,490 | 4,414 |
| Geranium.....do.....                                                           | 172                 | 141    | 145     | 130     | 146              | 123     | 438                           | 218   | 168   | 188   | 243   | 347   |
| Otto of roses.....1,000 oz..                                                   | 32                  | 20     | 15      | 33      | 26               | 36      | 328                           | 209   | 105   | 205   | 206   | 273   |
| Bergamot.....1,000 lbs..                                                       | 114                 | 81     | 40      | 74      | 78               | 99      | 495                           | 136   | 73    | 90    | 106   | 135   |
| Citronella and lemon grass.....do.....                                         | 1,326               | 1,026  | 1,508   | 1,865   | 2,186            | 2,048   | 618                           | 386   | 483   | 662   | 724   | 579   |
| Lavender and spike lavender.....do.....                                        | 315                 | 280    | 212     | 270     | 298              | 226     | 754                           | 500   | 228   | 385   | 704   | 509   |
| Lemon.....do.....                                                              | 471                 | 347    | 167     | 242     | 193              | 131     | 884                           | 216   | 123   | 139   | 136   | 131   |
| Orange.....do.....                                                             | 198                 | 132    | 114     | 144     | 140              | 161     | 585                           | 230   | 112   | 112   | 155   | 171   |
| Sandalwood.....do.....                                                         | 14                  | 10     | 5       | 7       | ( <sup>2</sup> ) | 3       | 58                            | 49    | 19    | 31    | 1     | 11    |
| Lime.....do.....                                                               |                     |        |         | 41      | 47               | 64      |                               |       |       | 215   | 240   | 299   |
| All other essential and distilled oils.....do.....                             | 3,618               | 2,920  | 2,961   | 2,797   | 2,793            | 2,738   | 1,928                         | 1,289 | 982   | 864   | 1,282 | 1,397 |
| <b>F. Dyeing and tanning materials, n. e. s.....</b>                           |                     |        |         |         |                  |         |                               |       |       |       |       |       |
| Logwood.....tons.....                                                          | 28,532              | 21,863 | 13,172  | 25,466  | 12,670           | 11,384  | 501                           | 384   | 190   | 335   | 177   | 146   |
| Myrobalans fruit.....do.....                                                   | 17,234              | 11,326 | 9,940   | 12,814  | 9,977            | 12,276  | 558                           | 232   | 136   | 223   | 169   | 185   |
| Quebracho wood.....do.....                                                     | 56,742              | 55,396 | 13,383  | 20,115  | 52,770           | 25,646  | 897                           | 587   | 126   | 313   | 747   | 409   |
| Sumac.....do.....                                                              | 3,975               | 2,960  | 1,427   | 2,577   | 1,563            | 2,523   | 242                           | 117   | 40    | 115   | 87    | 107   |
| Valonia.....1,000 lbs..                                                        | 19,231              | 17,158 | 17,832  | 21,854  | 22,618           | 22,313  | 331                           | 282   | 136   | 236   | 267   | 319   |
| Gambier or terra japonica.....do.....                                          | 3,942               | 2,258  | 2,252   | 3,402   | 2,744            | 4,494   | 275                           | 154   | 146   | 197   | 168   | 303   |
| Wattle bark.....do.....                                                        | <sup>4</sup> 11,797 | 5,183  | 3,551   | 8,734   | 9,316            | 17,440  | <sup>4</sup> 222              | 70    | 29    | 96    | 105   | 208   |
| Nutgalls and gallnuts.....do.....                                              | <sup>3</sup> 1,066  | 1,770  | 1,811   | 1,961   | 2,419            | 2,892   | <sup>3</sup> 122              | 172   | 125   | 146   | 218   | 233   |
| Other crude.....do.....                                                        | 54,446              | 24,080 | 14,877  | 19,888  | 7,246            | 17,797  | 1,145                         | 356   | 185   | 221   | 176   | 298   |
| Extracts for dyeing, coloring, etc.....do.....                                 | 1,579               | 1,578  | 710     | 620     | 313              | 562     | 143                           | 125   | 66    | 84    | 55    | 86    |
| <b>Extracts for tanning—</b>                                                   |                     |        |         |         |                  |         |                               |       |       |       |       |       |
| Quebracho.....do.....                                                          | 96,192              | 90,863 | 105,388 | 123,345 | 125,086          | 110,439 | 4,123                         | 2,503 | 1,819 | 2,545 | 2,870 | 3,172 |
| Mangrove extract, from Philippine Islands.....1,000 lbs..                      |                     |        | 6,230   | 10,384  | 11,725           | 13,472  |                               |       | 125   | 214   | 288   | 267   |
| All other.....do.....                                                          | 6,772               | 13,332 | 3,720   | 9,261   | 13,460           | 14,426  | 225                           | 361   | 92    | 255   | 451   | 451   |

| G. Seeds, except oil seeds                    |         |         |        |        |        |        | 9,207  | 4,472  | 3,304  | 3,321  | 4,468  | 6,093  |
|-----------------------------------------------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Grass and other forage crop seeds—            |         |         |        |        |        |        |        |        |        |        |        |        |
| Alfalfa.....1,000 lbs.                        | 2,064   | 179     | 243    | 4      | 64     | 43     | 366    | 26     | 20     | (1)    | 12     | 9      |
| Clover.....do.                                | 23,712  | 4,640   | 2,385  | 3,273  | 1,468  | 3,435  | 3,505  | 579    | 328    | 260    | 173    | 281    |
| Red.....do.                                   | 8,098   | 1,947   | 30     |        | (1)    | 1      | 1,428  | 224    | 2      |        | (1)    | (1)    |
| Alsike.....do.                                | 5,816   | 94      |        |        | (1)    | 1      | 1,148  | 11     |        |        | (1)    | (1)    |
| Crimson.....do.                               | 3,036   | 1,890   | 665    | 1,982  | 231    | 2,026  | 240    | 69     | 31     | 104    | 20     | 108    |
| Other.....do.                                 | 6,761   | 709     | 1,690  | 1,311  | 1,225  | 1,408  | 688    | 170    | 295    | 157    | 153    | 173    |
| Vetch.....do.                                 | 3,672   | 3,179   | 2,072  | 4,617  | 580    | 1,303  | 220    | 105    | 53     | 180    | 26     | 78     |
| Grass seeds.....do.                           | 7,931   | 5,884   | 4,291  | 3,736  | 7,761  | 35,866 | 1,101  | 745    | 279    | 182    | 594    | 1,772  |
| Seeds for the Department of Agriculture       |         |         |        |        |        |        | 158    |        |        |        | (1)    | 1      |
| Garden, field and flower seeds—               |         |         |        |        |        |        |        |        |        |        |        |        |
| Sugar-beet seeds.....1,000 lbs.               | 13,433  | 13,962  | 20,913 | 20,277 | 15,756 | 11,349 | 1,403  | 1,309  | 1,390  | 1,315  | 2,036  | 2,084  |
| Cabbage.....do.                               | 265     | 244     | 180    | 174    | 193    | 304    | 143    | 123    | 87     | 68     | 81     | 121    |
| Canary.....do.                                | 15,848  | 20,638  | 19,622 | 21,424 | 18,709 | 19,809 | 568    | 541    | 317    | 291    | 406    | 530    |
| Spinach.....do.                               |         | 2,011   | 2,379  | 3,793  | 3,402  | 3,308  |        | 172    | 184    | 322    | 313    | 302    |
| Turnip.....do.                                | 1,504   | 1,262   | 564    | 1,500  | 1,137  | 1,056  | 189    | 138    | 55     | 121    | 120    | 100    |
| Onion.....do.                                 | 4,199   | 185     | 237    | 160    | 210    | 252    | 4,285  | 143    | 133    | 108    | 188    | 195    |
| All other.....do.                             | 6,084   | 2,676   | 1,042  | 2,105  | 1,876  | 2,391  | 1,456  | 696    | 458    | 472    | 518    | 621    |
| H. Nursery and greenhouse stock               |         |         |        |        |        |        | 7,430  | 4,000  | 2,433  | 2,065  | 2,806  | 2,912  |
| Bulbs, roots, and corms—                      |         |         |        |        |        |        |        |        |        |        |        |        |
| Hyacinth.....thousands                        | 22,342  | 19,933  | 16,900 | 12,415 | 13,612 | 14,602 | 1,516  | 704    | 559    | 474    | 614    | 625    |
| Lily of the valley pips.....do.               |         | 13,786  | 12,658 | 9,478  | 11,060 | 9,380  |        | 182    | 132    | 113    | 213    | 201    |
| Tulip bulbs.....do.                           |         | 120,946 | 90,982 | 66,569 | 70,974 | 75,222 |        | 1,907  | 1,079  | 848    | 1,197  | 1,248  |
| Narcissus bulbs.....do.                       | 217,188 | 1,090   | 1,048  | 275    | 919    | 248    | 5,196  | 54     | 20     | 7      | 40     | 11     |
| Lily bulbs.....do.                            |         | 17,513  | 15,658 | 10,818 | 18,022 | 20,933 |        | 707    | 423    | 429    | 473    | 530    |
| Crocus and other.....do.                      | 20,419  | 15,109  | 12,140 | 11,846 | 15,253 | 15,776 | 269    | 169    | 102    | 79     | 120    | 117    |
| Trees, plants, cuttings, and seedlings—       |         |         |        |        |        |        |        |        |        |        |        |        |
| Fruit stock.....do.                           | 11,715  | 4,005   |        | (1)    | 6      | 78     |        | 21     |        |        | (1)    | (1)    |
| Rose stocks and plants.....do.                | 12,484  | 10,024  | 6,866  | 5,436  | 6,371  | 7,001  | 186    | 119    | 77     | 69     | 98     | 117    |
| All other.....do.                             | 15,685  | 357     | 88     | 7,998  | 921    | 765    | 194    | 137    | 41     | 55     | 51     | 64     |
| I. Tobacco and manufactures                   |         |         |        |        |        |        | 64,544 | 41,793 | 26,561 | 27,674 | 28,739 | 29,731 |
| Unmanufactured.....1,000 lbs.                 |         |         |        |        |        |        |        |        |        |        |        |        |
| Product of Philippine Islands.....do.         | 77,013  | 74,452  | 56,907 | 53,166 | 57,786 | 63,286 | 57,018 | 37,088 | 33,027 | 24,582 | 25,131 | 25,762 |
| Leaf, for cigar wrappers.....do.              | 2,678   | 4,144   | 3,560  | 1,627  | 1,495  | 2,909  | 368    | 554    | 433    | 143    | 137    | 278    |
| Cigar leaf (filler).....do.                   | 6,277   | 4,745   | 2,056  | 2,202  | 2,148  | 1,947  | 12,548 | 6,970  | 2,726  | 3,541  | 4,303  | 4,244  |
| Cigar leaf (filler)—                          |         |         |        |        |        |        |        |        |        |        |        |        |
| Unstemmed.....do.                             | 7,118   | 4,976   | 3,670  | 4,511  | 4,419  | 4,734  | 5,710  | 2,930  | 1,943  | 2,045  | 2,105  | 2,300  |
| Stemmed.....do.                               | 14,996  | 11,260  | 6,973  | 6,742  | 6,765  | 8,651  | 13,741 | 8,275  | 5,146  | 4,790  | 4,512  | 5,806  |
| Cigarette leaf, unstemmed.....do.             | 43,438  | 43,502  | 35,852 | 33,430 | 38,364 | 39,545 | 24,027 | 17,576 | 12,108 | 13,443 | 13,314 | 12,080 |
| Soap.....do.                                  | 2,088   | 2,853   | 2,680  | 2,476  | 2,606  | 3,605  | 696    | 697    | 597    | 539    | 689    | 932    |
| Stems, not cut, or ground.....do.             | 1,093   | 2,072   | 2,116  | 2,178  | 1,999  | 2,005  | 38     | 86     | 76     | 80     | 71     | 71     |
| Manufactures of tobacco—                      |         |         |        |        |        |        |        |        |        |        |        |        |
| Cigars and cheroots—                          |         |         |        |        |        |        |        |        |        |        |        |        |
| Product of Philippine Islands.....do.         | 2,443   | 2,056   | 2,192  | 1,824  | 3,182  | 4,201  | 3,943  | 3,105  | 3,066  | 2,673  | 3,080  | 3,312  |
| Other cigars and cheroots.....do.             | 378     | 217     | 42     | 31     | 43     | 69     | 3,176  | 1,365  | 315    | 228    | 324    | 393    |
| Cigarettes, product of Philippine Is. ....do. | 25      | 10      | 3      | 139    | 6      | 66     | 35     | 15     | 4      | 24     | 7      | 55     |
| All other manufactures, n. s. p. f.....do.    | 297     | 176     | 187    | 139    | 123    | 119    | 372    | 220    | 150    | 167    | 187    | 212    |

<sup>1</sup> Less than 500.<sup>2</sup> Average for years 1928-30.<sup>3</sup> June 13 to Dec. 31, 1930.<sup>4</sup> Average for years 1929 and 1930.<sup>5</sup> Average for years 1927-30.

No. 524.—IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

| Group and article                                                                 | Quantity  |        |        |        |        |        | Value in thousands of dollars |         |         |         |         |         |
|-----------------------------------------------------------------------------------|-----------|--------|--------|--------|--------|--------|-------------------------------|---------|---------|---------|---------|---------|
|                                                                                   | 1926-1930 | 1931   | 1932   | 1933   | 1934   | 1935   | 1926-1930                     | 1931    | 1932    | 1933 ;  | 1934    | 1935    |
| <b>GROUP 2.—VEGETABLE PRODUCTS, INEDIBLE, EXCEPT FIBERS AND WOOD—Continued</b>    |           |        |        |        |        |        |                               |         |         |         |         |         |
| <b>J. Miscellaneous vegetable products</b>                                        |           |        |        |        |        |        |                               |         |         |         |         |         |
| Agar-agar.....1,000 lbs.                                                          | 430       | 501    | 480    | 630    | 465    | 451    | 3,844                         | 2,639   | 1,656   | 4,003   | 5,710   | 4,373   |
| Hops, hop extract, and lupulin.....do.                                            | 713       | 1,077  | 1,300  | 5,269  | 6,121  | 5,273  | 308                           | 325     | 184     | 166     | 158     | 162     |
| Starch.....do.                                                                    | 23,988    | 19,524 | 11,898 | 15,363 | 14,517 | 8,901  | 243                           | 150     | 205     | 2,613   | 3,779   | 2,462   |
| Vegetable ivory, or tagua nuts.....do.                                            | 23,410    | 17,948 | 10,674 | 21,842 | 9,440  | 12,200 | 791                           | 385     | 220     | 316     | 335     | 191     |
| Moss, seaweed, etc., crude.....do.                                                |           |        |        |        |        |        | 728                           | 382     | 148     | 261     | 116     | 160     |
| Peat moss.....tons of 2,240 lbs.                                                  | 3 30,290  | 57,079 | 57,769 | 36,801 | 39,404 | 48,703 | 386                           | 226     | 96      | 93      | 119     | 161     |
| All other.....do.                                                                 |           |        |        |        |        |        | 3 383                         | 683     | 601     | 443     | 547     | 678     |
|                                                                                   |           |        |        |        |        |        | 1,312                         | 479     | 201     | 212     | 657     | 658     |
| <b>GROUP 3.—TEXTILES</b>                                                          |           |        |        |        |        |        |                               |         |         |         |         |         |
| <b>Total</b>                                                                      |           |        |        |        |        |        | 593,766                       | 412,687 | 244,038 | 264,155 | 240,224 | 306,860 |
| <b>A. Cotton, unmanufactured</b>                                                  |           |        |        |        |        |        |                               |         |         |         |         |         |
| Short staple, under 1½ inches.....1,000 lbs.                                      | 182,137   | 61,302 | 67,738 | 73,034 | 70,822 | 50,406 | 42,663                        | 6,070   | 6,990   | 7,493   | 9,456   | 7,053   |
| Staple 1½ to 1¾ inches.....do.                                                    | 130,794   | 45,216 | 25,831 | 29,664 | 23,376 | 19,729 | 26,476                        | 3,825   | 1,935   | 2,071   | 2,089   | 1,736   |
| Staple 1½ to 1¾ inches.....do.                                                    | 3 220     | 11,570 | 29,293 | 23,988 | 26,900 | 13,615 | 3 35                          | 1,521   | 3,245   | 2,792   | 3,823   | 2,191   |
| Long staple, 1¾ inches or over.....do.                                            | 51,300    | 4,516  | 12,614 | 19,382 | 20,547 | 17,062 | 16,178                        | 724     | 1,510   | 2,630   | 3,544   | 3,126   |
| <b>B. Cotton, semimanufactures</b>                                                |           |        |        |        |        |        |                               |         |         |         |         |         |
| Cotton waste.....1,000 lbs.                                                       | 33,823    | 14,785 | 6,501  | 20,786 | 61,866 | 89,209 | 5,421                         | 1,788   | 933     | 1,955   | 3,628   | 5,682   |
| Yarns and warps—                                                                  |           |        |        |        |        |        | 2,112                         | 595     | 177     | 814     | 2,171   | 3,970   |
| Not bleached, dyed, or plied, etc.....do.                                         | 33        |        |        |        | 1      |        | 29                            |         |         | (1)     |         |         |
| Bleached, dyed, combed, or plied.....do.                                          | 2,747     | 1,466  | 1,264  | 1,597  | 1,744  | 2,150  | 3,280                         | 1,193   | 756     | 1,121   | 1,457   | 1,712   |
| <b>C. Cotton manufactures</b>                                                     |           |        |        |        |        |        |                               |         |         |         |         |         |
| Sewing thread, crochet, darning, embroidery, and knitting cotton.....million yds. | 1,832     | 1,365  | 1,084  | 1,063  | 972    | 862    | 58,206                        | 38,866  | 26,969  | 28,934  | 28,282  | 35,341  |
| Cotton cloth.....1,000 sq. yds.                                                   | 58,336    | 34,732 | 29,436 | 40,128 | 41,534 | 63,674 | 14,605                        | 7,095   | 4,248   | 6,025   | 6,736   | 7,050   |
| Not bleached.....do.                                                              | 23,171    | 7,136  | 4,306  | 4,355  | 3,869  | 3,434  | 4,727                         | 1,133   | 519     | 628     | 640     | 602     |
| Bleached.....do.                                                                  | 9,367     | 9,816  | 11,420 | 20,027 | 20,506 | 38,055 | 2,021                         | 1,472   | 1,382   | 2,517   | 2,661   | 2,785   |
| Printed, dyed, or colored.....do.                                                 | 23,798    | 18,280 | 13,709 | 15,747 | 17,160 | 22,185 | 7,856                         | 4,430   | 2,347   | 2,880   | 3,535   | 3,663   |
| Cotton fabrics, n. e. s., and household articles                                  |           |        |        |        |        |        | 8,060                         | 4,859   | 2,675   | 2,766   | 2,860   | 3,519   |
| Cloth, chief value cotton, less than 17 per cent wool.....1,000 lbs.              | 3 42      | 230    | 9      | 13     | 1      | 2      | 3 20                          | 57      | 3       | 3       | 8       | 3       |
| Table damask and manufactures.....do.                                             |           |        |        |        |        |        | 307                           | 191     | 207     | 235     | 280     | 379     |
| Pile fabrics and manufactures.....do.                                             |           |        |        |        |        |        | 2,396                         | 1,687   | 447     | 357     | 255     | 434     |
| Velvets and velveteens.....1,000 sq. yds.                                         | 3 2,464   | 701    | 37     | 60     | 227    | 1,937  | 3 1,863                       | 586     | 83      | 52      | 93      | 319     |
| Other.....do.                                                                     |           |        |        |        |        |        | 3 403                         | 1,101   | 414     | 305     | 162     | 115     |

|                                                                        |         |         |         |         |         |         |        |        |        |        |        |        |
|------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| Tapestries and other Jacquard woven upholstery cloths.....             |         |         |         |         |         |         | 4,539  | 1,538  | 736    | 809    | 800    | 807    |
| Blankets and blanket cloth.....1,000 lbs.                              |         | 89      | 6       | 21      | 4       | 2       | 354    | 50     | 1      | 5      | 1      | 1      |
| Table covers, napkins, doilies, etc.                                   |         |         |         |         |         |         | 308    | 172    | 142    | 508    | 525    | 696    |
| Bed spreads and quilts.....thousands.                                  | 3 394   | 1,020   | 1,162   | 834     | 969     | 1,368   | 403    | 962    | 940    | 680    | 881    | 1,069  |
| Sheets, pillow cases, towels, etc.                                     |         |         |         |         |         |         | 104    | 202    | 200    | 167    | 106    | 131    |
| <b>Wearing apparel.....</b>                                            |         |         |         |         |         |         | 14,760 | 11,405 | 8,340  | 8,247  | 8,551  | 13,182 |
| Product of Philippine Islands.....                                     |         |         |         |         |         |         | 4,059  | 2,044  | 2,660  | 1,881  | 2,121  | 5,240  |
| Knit or crocheted goods.....                                           |         |         |         |         |         |         |        |        |        |        |        |        |
| Gloves and mittens.....1,000 doz. prs.                                 | 2,107   | 2,535   | 2,276   | 2,795   | 2,313   | 2,415   | 6,571  | 6,848  | 4,351  | 5,268  | 5,214  | 6,389  |
| Hosiery.....do.                                                        | 649     | 600     | 521     | 449     | 456     | 746     | 2,025  | 1,584  | 828    | 613    | 516    | 486    |
| Underwear and other knit goods.....                                    |         |         |         |         |         |         | 436    | 224    | 179    | 198    | 331    | 656    |
| Wearing apparel wholly or partly of lace, or embroidered, beaded, etc. |         |         |         |         |         |         | 702    | 336    | 165    | 106    | 129    | 110    |
| All other.....                                                         |         |         |         |         |         |         | 966    | 369    | 156    | 231    | 241    | 300    |
| <b>Other cotton manufactures.....</b>                                  |         |         |         |         |         |         | 19,187 | 14,755 | 11,059 | 11,801 | 9,495  | 11,120 |
| Handkerchiefs and mufflers.....                                        |         |         |         |         |         |         |        |        |        |        |        |        |
| Not of lace, embroidered, etc.....1,000 doz.                           |         |         |         | 802     | 1,349   | 3,336   | 649    | 273    | 137    | 191    | 235    | 471    |
| Lace trimmed, or embroidered, etc.                                     |         |         |         |         |         |         |        |        |        |        |        |        |
| thousands.....                                                         |         | 2,971   | 1,312   | 989     | 156     | 60      |        |        |        |        |        |        |
| Laces, embroideries, etc.                                              |         |         |         |         |         |         | 1,111  | 161    | 55     | 45     | 10     | 5      |
| Product of Philippine Islands.....                                     |         |         |         |         |         |         | 11,256 | 8,247  | 6,176  | 6,010  | 5,065  | 6,591  |
| Handmade laces.....                                                    |         |         |         |         |         |         | 510    | 267    | 232    | 38     | 139    | 199    |
| Machine-made laces.....                                                |         |         |         |         |         |         | 790    | 432    | 387    | 287    | 211    | 194    |
| Articles in part of lace.....                                          |         |         |         |         |         |         | 8,201  | 6,311  | 3,975  | 4,058  | 3,092  | 3,327  |
| Lace window curtains.....                                              |         |         |         |         |         |         | 1,290  | 615    | 351    | 214    | 217    | 342    |
| Embroideries.....                                                      |         |         |         |         |         |         | 449    | 214    | 241    | 338    | 204    | 322    |
| All other laces, embroideries, etc.                                    |         |         |         |         |         |         | 687    | 327    | 47     | 13     | 9      | 5      |
|                                                                        |         |         |         |         |         |         | 1,432  | 1,081  | 942    | 1,062  | 1,193  | 1,202  |
| Cotton floor coverings.....1,000 sq. yds.                              | 4 4,851 | 7,291   | 9,415   | 11,361  | 11,119  | 14,012  | 2,282  | 2,897  | 3,308  | 3,191  | 1,945  | 2,085  |
| Belting for machines.....1,000 lbs.                                    | 183     | 438     | 351     | 268     | 236     | 298     | 99     | 198    | 127    | 102    | 113    | 131    |
| Rags, except paper stock.....do.                                       | 9,539   | 17,019  | 11,589  | 15,442  | 17,483  | 24,961  | 602    | 751    | 810    | 460    | 725    | 1,107  |
| Other cotton manufactures, n. e. s.                                    |         |         |         |         |         |         | 5,115  | 1,228  | 947    | 1,301  | 1,402  | 1,730  |
| <b>D. Jute and manufactures.....</b>                                   |         |         |         |         |         |         | 93,709 | 37,681 | 22,489 | 31,072 | 35,589 | 42,742 |
| Jute, unmanufactured.....tons of 2,240 lbs.                            | 60,346  | 46,665  | 27,976  | 44,795  | 42,344  | 57,774  | 9,442  | 3,669  | 1,804  | 2,590  | 2,950  | 4,307  |
| Jute butts, unmanufactured.....do.                                     | 19,668  | 17,957  | 1,116   | 6,492   | 9,246   | 10,763  | 1,548  | 535    | 63     | 206    | 268    | 465    |
| Waste bagging and waste sackcloth.....1,000 lbs.                       | 38,604  | 55,076  | 62,978  | 69,168  | 56,187  | 31,619  | 1,119  | 953    | 735    | 1,096  | 1,069  | 484    |
| Yarns, single.....do.                                                  | 524     | 8       |         | 8       |         |         | 96     | 1      |        | 1      |        | 1      |
| Cordage.....do.                                                        | 149     | 262     | 168     | 121     | 125     | 131     | 22     | 32     | 13     | 11     | 13     | 13     |
| Burlaps.....do.                                                        | 606,093 | 431,363 | 341,544 | 402,972 | 372,001 | 472,785 | 72,250 | 28,757 | 16,908 | 24,484 | 27,528 | 33,029 |
| Bagging for cotton.....do.                                             |         |         |         |         |         |         | 3,532  | 873    | 614    | 382    | 522    | 458    |
| Woven fabrics, n. e. s.....1,000 lbs.                                  | 2,089   | 1,522   | 1,116   | 1,896   | 1,333   | 2,104   | 625    | 361    | 190    | 376    | 327    | 500    |
| Jute bags or sacks.....do.                                             | 40,778  | 37,663  | 43,148  | 34,767  | 39,567  | 39,832  | 4,146  | 1,902  | 1,768  | 1,496  | 2,203  | 2,216  |
| Other jute manufactures.....                                           |         |         |         |         |         |         | 647    | 298    | 373    | 341    | 673    | 1,270  |

<sup>1</sup> Less than 500.<sup>2</sup> Average for years 1928-30.<sup>3</sup> June 18 to Dec. 31, 1930.<sup>4</sup> Average for years 1929 and 1930.



No. 524.—IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

| Group and article                                                                                                             | Quantity  |         |         |         |         |         | Value in thousands of dollars |        |        |        |        |        |
|-------------------------------------------------------------------------------------------------------------------------------|-----------|---------|---------|---------|---------|---------|-------------------------------|--------|--------|--------|--------|--------|
|                                                                                                                               | 1926-1930 | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931   | 1932   | 1933   | 1934   | 1935   |
| <b>GROUP 3.—TEXTILES—Continued</b>                                                                                            |           |         |         |         |         |         |                               |        |        |        |        |        |
| <b>E. Flax, hemp, and ramie, and manufactures.</b>                                                                            |           |         |         |         |         |         | 47,944                        | 30,079 | 20,713 | 22,428 | 24,875 | 23,046 |
| Flax, unmanufactured..... tons of 2,240 lbs.                                                                                  | 5,826     | 3,087   | 3,525   | 4,632   | 4,532   | 5,042   | 3,080                         | 687    | 763    | 1,293  | 1,714  | 2,471  |
| Hackled..... do.                                                                                                              | 1,980     | 517     | 543     | 690     | 1,021   | 1,246   | 1,638                         | 265    | 254    | 425    | 678    | 878    |
| All other..... do.                                                                                                            | 3,845     | 2,570   | 2,982   | 3,992   | 3,561   | 3,796   | 1,442                         | 422    | 509    | 868    | 1,036  | 1,593  |
| Hemp, unmanufactured..... do.                                                                                                 | 1,708     | 1,018   | 506     | 630     | 672     | 927     | 549                           | 148    | 75     | 133    | 171    | 265    |
| <b>Manufactures of flax, hemp, and ramie.</b>                                                                                 |           |         |         |         |         |         | 44,315                        | 29,244 | 19,875 | 21,008 | 23,890 | 25,309 |
| Single yarns..... 1,000 lbs.                                                                                                  | 2,678     | 1,983   | 1,120   | 1,541   | 1,554   | 1,815   | 1,204                         | 555    | 288    | 550    | 713    | 854    |
| Thread and twine..... do.                                                                                                     | 496       | 364     | 231     | 490     | 418     | 464     | 554                           | 277    | 167    | 239    | 266    | 268    |
| Fabrics..... do.                                                                                                              |           | 22,216  | 19,345  | 21,701  | 19,085  | 20,612  | 23,227                        | 14,076 | 8,305  | 11,113 | 13,407 | 13,636 |
| Woven fabrics of flax 30 to 100 threads to the sq. inch, 4 to 12 oz. to the sq. yd., 12 to 36 inches in width..... 1,000 lbs. | 2,365     | 2,084   | 1,339   | 1,730   | 1,144   | 1,110   | 1,552                         | 947    | 476    | 534    | 535    | 554    |
| Plain woven fabrics, weighing less than 4 oz. per sq. yd..... 1,000 lbs.                                                      | 3,781     | 4,743   | 4,368   | 4,315   | 3,853   | 4,139   | 4,653                         | 4,357  | 3,173  | 3,989  | 4,170  | 4,691  |
| Table-damask and manufactures..... do.                                                                                        |           | 2,863   | 2,335   | 2,259   | 2,010   | 2,010   | 6,434                         | 2,951  | 2,093  | 1,928  | 2,141  | 1,936  |
| Pile fabrics and manufactures..... do.                                                                                        | 8 103     | 472     | 159     | 61      | 27      | 28      | 8 162                         | 663    | 208    | 80     | 39     | 37     |
| Woven fabrics for padding or interlining..... 1,000 lbs.                                                                      | 8 799     | 2,547   | 2,360   | 3,520   | 1,610   | 2,856   | 8 300                         | 736    | 537    | 939    | 571    | 1,055  |
| Other fabrics of flax, hemp or ramie..... 1,000 lbs.                                                                          | 13,066    | 9,380   | 8,255   | 9,739   | 10,172  | 10,468  | 10,496                        | 4,422  | 2,819  | 3,694  | 4,950  | 5,363  |
| Wearing apparel..... do.                                                                                                      |           |         |         |         |         |         | 497                           | 463    | 369    | 194    | 70     | 68     |
| Handkerchiefs—                                                                                                                |           |         |         |         |         |         |                               |        |        |        |        |        |
| Not embroidered nor of lace..... 1,000 doz.                                                                                   | 3,570     | 2,630   | 1,714   | 1,610   | 1,012   | 1,034   | 3,651                         | 2,084  | 1,088  | 1,194  | 960    | 1,020  |
| Made of lace or embroidered..... do.                                                                                          | 1,505     | 2,576   | 1,618   | 1,010   | 1,371   | 2,148   | 1,964                         | 2,329  | 1,498  | 1,104  | 1,578  | 2,394  |
| Laces, embroideries, etc.—                                                                                                    |           |         |         |         |         |         |                               |        |        |        |        |        |
| Embroideries and embroidered articles..... do.                                                                                |           |         |         |         |         |         | 5,426                         | 3,171  | 2,472  | 2,206  | 2,098  | 2,181  |
| Laces, drawn work, etc..... do.                                                                                               |           |         |         |         |         |         | 629                           | 96     | 42     | 57     | 52     | 46     |
| Towels, napkins, and bed clothing..... thousands.                                                                             | 25,006    | 37,194  | 34,262  | 30,227  | 28,159  | 31,878  | 3,734                         | 3,611  | 2,493  | 2,466  | 2,577  | 2,683  |
| Other manufactures, n. e. s..... do.                                                                                          |           |         |         |         |         |         | 3,131                         | 2,532  | 2,161  | 1,859  | 2,267  | 2,159  |
| <b>F. Other vegetable fibers and manufactures.</b>                                                                            |           |         |         |         |         |         | 43,619                        | 17,185 | 14,846 | 14,898 | 13,658 | 20,961 |
| Unmanufactured fiber..... tons of 2,240 lbs.                                                                                  | 213,060   | 153,234 | 222,440 | 185,070 | 141,980 | 203,006 | 37,904                        | 13,617 | 12,176 | 11,496 | 10,824 | 16,274 |
| Istle or tampoico fiber..... do.                                                                                              | 12,625    | 9,963   | 8,432   | 6,261   | 6,317   | 8,747   | 1,567                         | 650    | 340    | 251    | 384    | 553    |
| Manila or abaca fiber..... do.                                                                                                | 60,849    | 30,740  | 25,659  | 32,707  | 42,067  | 43,687  | 12,670                        | 2,939  | 1,614  | 1,664  | 2,790  | 3,613  |
| New Zealand fiber..... do.                                                                                                    | 3,975     | 304     | 125     | 52      |         |         | 810                           | 26     | 7      | 3      |        |        |
| Orin vegetal..... do.                                                                                                         |           | 9,848   | 5,016   | 5,128   | 3,637   | 5,495   |                               | 285    | 124    | 156    | 124    | 172    |
| Sisal and henequen fiber..... do.                                                                                             | 118,560   | 89,300  | 163,205 | 126,263 | 73,082  | 125,931 | 18,493                        | 7,451  | 8,427  | 7,184  | 5,537  | 8,945  |
| Kapok..... do.                                                                                                                | 7,976     | 7,830   | 7,768   | 9,293   | 6,374   | 12,385  | 3,578                         | 1,819  | 1,434  | 1,704  | 1,297  | 2,534  |
| All other, n. e. s..... do.                                                                                                   | 9,074     | 5,259   | 7,235   | 5,356   | 5,483   | 6,761   | 996                           | 447    | 231    | 337    | 492    | 552    |

|                                                                                     |            |          |          |         |          |          |          |         |         |         |         |         |         |  |
|-------------------------------------------------------------------------------------|------------|----------|----------|---------|----------|----------|----------|---------|---------|---------|---------|---------|---------|--|
| Manufactures of—                                                                    |            |          |          |         |          |          |          |         |         |         |         |         |         |  |
| Binding twine.....                                                                  | 1,000 lbs. | 13, 563  | 22, 889  | 31, 992 | 47, 989  | 25, 200  | 56, 313  | 1, 481  | 1, 891  | 1, 623  | 2, 179  | 1, 401  | 2, 883  |  |
| Cordage—                                                                            |            |          |          |         |          |          |          |         |         |         |         |         |         |  |
| Product of the Philippine Islands.....do                                            |            | 6, 524   | 5, 380   | 4, 942  | 7, 940   | 9, 863   | 11, 009  | 885     | 547     | 445     | 656     | 915     | 914     |  |
| Other.....do                                                                        |            | 5, 949   | 2, 611   | 3, 768  | 1, 891   | 2, 102   | 1, 831   | 824     | 246     | 275     | 146     | 198     | 177     |  |
| Other manufactures.....                                                             |            |          |          |         |          |          |          | 2, 525  | 884     | 327     | 420     | 520     | 712     |  |
| <b>I. Wool, including mohair, etc., unmanufactured</b>                              |            |          |          |         |          |          |          |         |         |         |         |         |         |  |
| 1,000 lbs.                                                                          |            | 253, 242 | 168, 885 | 58, 535 | 152, 087 | 109, 401 | 202, 733 | 78, 790 | 92, 372 | 6, 029  | 18, 547 | 16, 784 | 29, 925 |  |
| Carpet wool (actual weight).....do                                                  |            | 135, 503 | 120, 500 | 40, 935 | 119, 934 | 85, 187  | 171, 504 | 34, 300 | 14, 354 | 3, 602  | 12, 541 | 11, 173 | 23, 314 |  |
| Clothing wool (actual weight).....do                                                |            | 16, 858  | 6, 344   | 5, 161  | 5, 274   | 4, 681   | 4, 329   | 6, 050  | 1, 527  | 743     | 925     | 1, 109  | 992     |  |
| Combing wool (actual weight).....do                                                 |            | 96, 440  | 30, 954  | 10, 214 | 25, 777  | 18, 475  | 24, 623  | 36, 230 | 6, 140  | 1, 577  | 4, 854  | 4, 273  | 5, 077  |  |
| Hair of the Angora goat, Cashmere goat, alpaca, etc. (actual weight).....1,000 lbs. |            | 4, 439   | 586      | 226     | 1, 082   | 1, 058   | 2, 270   | 2, 209  | 350     | 106     | 226     | 229     | 542     |  |
| Hair of the Angora goat (mohair).....do                                             |            | 3, 765   | 175      | 113     | 697      | 646      | 491      | 1, 780  | 44      | 20      | 108     | 90      | 78      |  |
| Hair of the Cashmere goat, alpaca, etc. do                                          |            | 674      | 411      | 113     | 385      | 412      | 1, 779   | 429     | 306     | 86      | 118     | 139     | 464     |  |
| Wool, carbonized.....do                                                             |            | 3 12     | 200      |         | 1        | 1        | 1        | 3 5     | 66      |         | (1)     | (1)     | (1)     |  |
| <b>J. Wool, semimanufactures</b>                                                    |            |          |          |         |          |          |          |         |         |         |         |         |         |  |
| Noils.....1,000 lbs.                                                                |            | 6, 393   | 2, 067   | 1, 821  | 2, 449   | 1, 237   | 4, 092   | 12, 451 | 2, 105  | 1, 180  | 2, 161  | 1, 677  | 3, 525  |  |
| Wool rags <sup>16</sup> .....do                                                     |            | 18, 062  | 1, 027   | 667     | 1, 691   | 968      | 1, 589   | 4, 333  | 1, 241  | 698     | 815     | 514     | 1, 810  |  |
| Waste.....do                                                                        |            | 3, 615   | 769      | 122     | 1, 293   | 811      | 1, 476   | 5, 153  | 251     | 142     | 465     | 414     | 574     |  |
| Tops and other wool advanced.....do                                                 |            | 286      | 24       | 8       | 97       | 101      | 110      | 1, 900  | 225     | 29      | 410     | 257     | 444     |  |
| Yarns.....do                                                                        |            | 232      | 163      | 205     | 344      | 294      | 441      | 318     | 19      | 4       | 62      | 93      | 113     |  |
| Mohair.....do                                                                       |            | 130      | 6        | 85      | 81       | 148      | 281      |         |         |         | 409     | 399     | 584     |  |
| Rabbit, including Angora rabbit.....do                                              |            | 3 84     | 37       | 25      | 28       | 19       | 24       | 6       | 6       | 48      | 23      | 116     | 116     |  |
| Other hair and wool.....do                                                          |            | 201      | 110      | 174     | 231      | 244      | 289      | 568     | 236     | 116     | 151     | 121     | 144     |  |
|                                                                                     |            |          |          |         |          |          |          | 465     | 127     | 165     | 210     | 255     | 324     |  |
| <b>K. Wool manufactures</b>                                                         |            |          |          |         |          |          |          | 56, 844 | 20, 800 | 11, 539 | 13, 408 | 12, 985 | 16, 215 |  |
| Woven fabrics of mohair and wool.....1,000 sq. yds.                                 |            | 17, 858  | 4, 721   | 3, 712  | 5, 032   | 4, 441   | 5, 498   |         |         |         |         |         |         |  |
| 1,000 lbs.                                                                          |            | 9, 253   | 2, 802   | 1, 953  | 2, 776   | 2, 472   | 3, 129   | 18, 437 | 4, 616  | 2, 603  | 3, 911  | 4, 274  | 4, 854  |  |
| Mohair fabrics.....1,000 sq. yds.                                                   |            | 376      | 77       | 65      | 86       | 28       | 43       |         |         |         |         |         |         |  |
| 1,000 lbs.                                                                          |            | 84       | 17       | 14      | 20       | 7        | 11       | 155     | 27      | 13      | 17      | 9       | 14      |  |
| Worsted—                                                                            |            |          |          |         |          |          |          |         |         |         |         |         |         |  |
| Weighting not over 4 oz. per sq. yd.....1,000 sq. yds.                              |            | 4, 401   | 446      | 371     | 492      | 357      | 402      |         |         |         |         |         |         |  |
| 1,000 lbs.                                                                          |            | 907      | 87       | 74      | 97       | 69       | 83       | 1, 833  | 184     | 125     | 170     | 150     | 169     |  |
| Weighting over 4 oz. per sq. yd.....1,000 sq. yds.                                  |            | 1, 833   | 908      | 664     | 912      | 730      | 809      |         |         |         |         |         |         |  |
| 1,000 lbs.                                                                          |            | 988      | 472      | 353     | 492      | 365      | 409      | 2, 665  | 959     | 493     | 762     | 783     | 760     |  |
| Woolens—                                                                            |            |          |          |         |          |          |          |         |         |         |         |         |         |  |
| Weighting over 4 oz. per sq. yd.....1,000 sq. yds.                                  |            | 11, 251  | 3, 290   | 2, 612  | 3, 542   | 3, 327   | 4, 241   |         |         |         |         |         |         |  |
| 1,000 lbs.                                                                          |            | 7, 275   | 2, 026   | 1, 512  | 2, 166   | 2, 031   | 2, 626   | 13, 784 | 3, 646  | 1, 972  | 2, 963  | 3, 332  | 3, 910  |  |
| Other fabrics of wool.....do                                                        |            | 99       | 376      | 163     | 190      | 144      | 252      | 193     | 498     | 144     | 167     | 151     | 208     |  |
| <b>Wearing apparel</b>                                                              |            |          |          |         |          |          |          | 16, 041 | 6, 900  | 3, 896  | 4, 365  | 4, 371  | 6, 850  |  |
| Knit crocheted goods—                                                               |            |          |          |         |          |          |          |         |         |         |         |         |         |  |
| Hosiery.....1,000 doz. prs.                                                         |            | 356      | 247      | 178     | 208      | 140      | 191      | 2, 279  | 966     | 411     | 582     | 435     | 515     |  |
| Gloves and mittens.....do                                                           |            | 125      | 81       | 43      | 45       | 63       | 527      | 261     | 144     | 74      | 99      | 144     | 623     |  |
| Other knit and crocheted goods.....1,000 lbs.                                       |            | 506      | 1, 007   | 878     | 780      | 410      | 435      | 2, 192  | 2, 217  | 1, 574  | 1, 531  | 1, 129  | 1, 225  |  |

<sup>1</sup> Less than 500.<sup>2</sup> June 18 to Dec. 31, 1930.<sup>3</sup> 1930 only.<sup>16</sup> Wool rags, flocks, and mungo prior to June 18, 1930.

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

| Group and article                                                                                    | Quantity  |         |         |         |         |         | Value in thousands of dollars |          |          |          |         |         |
|------------------------------------------------------------------------------------------------------|-----------|---------|---------|---------|---------|---------|-------------------------------|----------|----------|----------|---------|---------|
|                                                                                                      | 1926-1930 | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931     | 1932     | 1933     | 1934    | 1935    |
| <b>GROUP 3.—TEXTILES—Continued</b>                                                                   |           |         |         |         |         |         |                               |          |          |          |         |         |
| <b>K. Wool manufactures—Continued.</b>                                                               |           |         |         |         |         |         |                               |          |          |          |         |         |
| Wearing apparel—Continued.                                                                           |           |         |         |         |         |         |                               |          |          |          |         |         |
| Hats and hat bodies of wool-felt.....1,000 lbs.                                                      | 15 4, 402 | 3, 024  | 1, 812  | 1, 632  | 1, 759  | 2, 137  | 15 6, 496                     | 2, 409   | 1, 126   | 1, 128   | 1, 607  | 1, 969  |
| Hat bodies of wool-felt.....do.                                                                      |           | 3, 011  | 1, 811  | 1, 632  | 1, 757  | 2, 132  |                               | 2, 390   | 1, 121   | 1, 125   | 1, 602  | 1, 956  |
| Hats of wool-felt.....do.                                                                            |           | 13      | 1       | (1)     | 1       | 5       |                               | 19       | 5        | 3        | 5       | 13      |
| All other wearing apparel.....do.                                                                    | 2, 137    | 310     | 251     | 327     | 321     | 532     | 6, 113                        | 1, 174   | 711      | 965      | 1, 055  | 1, 518  |
| Wool laces, embroideries, etc.....do.                                                                |           |         |         |         |         |         | 331                           | 76       | 45       | 44       | 40      | 43      |
| Carpets and rugs.....1,000 sq. yds.                                                                  | 3, 027    | 1, 642  | 1, 303  | 1, 480  | 1, 053  | 1, 514  | 19, 528                       | 8, 222   | 4, 751   | 4, 867   | 4, 016  | 5, 090  |
| Oriental, Axminster, Savonnerie, Aubusson, oriental weave, and chenille Axminster.....1,000 sq. yds. | 2, 161    | 1, 089  | 764     | 805     | 492     | 599     | 17, 015                       | 7, 251   | 4, 149   | 4, 200   | 3, 333  | 4, 065  |
| All other.....do.                                                                                    | 866       | 553     | 539     | 655     | 561     | 915     | 2, 514                        | 971      | 603      | 667      | 683     | 1, 081  |
| Other manufactures of wool.....do.                                                                   |           |         |         |         |         |         | 2, 314                        | 289      | 101      | 118      | 132     | 165     |
| <b>L. Hair and manufactures, n. e. s.</b>                                                            |           |         |         |         |         |         |                               |          |          |          |         |         |
| Human hair—                                                                                          |           |         |         |         |         |         | 5, 456                        | 2, 783   | 1, 364   | 1, 858   | 1, 796  | 2, 606  |
| Unmanufactured.....1,000 lbs.                                                                        | 2, 604    | 2, 249  | 2, 152  | 2, 277  | 2, 181  | 1, 980  | 917                           | 383      | 305      | 279      | 394     | 401     |
| Nets and netting.....1,000 gross                                                                     | 610       | 529     | 385     | 393     | 353     | 328     | 609                           | 315      | 255      | 252      | 265     | 244     |
| Other manufactures.....do.                                                                           |           |         |         |         |         |         | 168                           | 107      | 58       | 82       | 69      | 125     |
| Horse hair, tails, or manes.....1,000 lbs.                                                           | 4, 136    | 3, 367  | 2, 370  | 3, 852  | 2, 087  | 2, 384  | 2, 125                        | 1, 300   | 449      | 644      | 562     | 854     |
| Cattle body hair (10 cents or less per pound).....1,000 lbs.                                         |           |         |         |         |         |         |                               |          |          |          |         |         |
| Other animal hair, n. e. s.....do.                                                                   | 11, 649   | 4, 187  | 1, 407  | 3, 268  | 3, 225  | 3, 375  | 1, 538                        | 219      | 52       | 133      | 167     | 187     |
| Hair manufactures, n. e. s.....do.                                                                   |           | 3, 221  | 1, 490  | 3, 947  | 2, 619  | 4, 734  |                               | 425      | 206      | 455      | 327     | 743     |
|                                                                                                      | 318       | 120     | 338     | 68      | 38      | 273     | 98                            | 34       | 41       | 11       | 13      | 53      |
| <b>M. Silk, unmanufactured</b>                                                                       |           |         |         |         |         |         |                               |          |          |          |         |         |
| Raw silk.....do.                                                                                     | 86, 458   | 89, 446 | 77, 586 | 73, 005 | 60, 447 | 72, 361 | 374, 715                      | 192, 287 | 114, 325 | 103, 695 | 72, 528 | 96, 679 |
| Waste and cocoons.....do.                                                                            | 75, 343   | 83, 853 | 74, 053 | 67, 245 | 56, 379 | 67, 375 | 368, 232                      | 191, 290 | 113, 882 | 102, 536 | 71, 764 | 95, 797 |
|                                                                                                      | 11, 114   | 5, 593  | 3, 533  | 5, 760  | 4, 068  | 4, 387  | 6, 482                        | 997      | 444      | 1, 058   | 784     | 882     |
| <b>N. Silk manufactures</b>                                                                          |           |         |         |         |         |         |                               |          |          |          |         |         |
| Spun silk or schappe silk yarn.....1,000 lbs.                                                        | 516       | 171     | 22      | 87      | 19      | 18      | 36, 383                       | 18, 025  | 5, 933   | 6, 229   | 6, 683  | 7, 503  |
| Singles.....do.                                                                                      | 60        | 27      | 6       | 77      | (1)     | 4       | 1, 401                        | 342      | 37       | 47       | 31      | 27      |
| Plied.....do.                                                                                        | 456       | 144     | 16      | 10      | 19      | 14      | 166                           | 76       | 11       | 30       | (1)     | 4       |
| Bolting cloths.....do.                                                                               | 23        | 15      | 12      | 15      | 12      | 17      | 1, 234                        | 266      | 26       | 17       | 31      | 23      |
| Fabrics, broad, except pile fabrics.....do.                                                          |           |         |         |         |         |         | 594                           | 366      | 269      | 387      | 409     | 557     |
| Fabrics not over 30 inches wide—                                                                     |           |         |         |         |         |         |                               |          |          |          |         |         |
| Not jacquard, figured.....1,000 sq. yds.                                                             | 3 427     | 2, 073  | 964     | 1, 195  | 987     | 1, 003  | 3 269                         | 984      | 396      | 407      | 308     | 293     |
|                                                                                                      | 3 61      | 212     | 110     | 137     | 89      | 99      |                               |          |          |          |         |         |
| Jacquard, figured.....1,000 sq. yds.                                                                 | 3 87      | 572     | 310     | 393     | 236     | 285     |                               |          |          |          |         |         |
|                                                                                                      | 3 13      | 120     | 68      | 84      | 50      | 57      | 3 106                         | 853      | 397      | 511      | 402     | 381     |

|                                                            |                           |        |        |        |        |        |        |          |        |       |       |        |       |    |
|------------------------------------------------------------|---------------------------|--------|--------|--------|--------|--------|--------|----------|--------|-------|-------|--------|-------|----|
| Fabrics over 30 inches wide—                               |                           |        |        |        |        |        |        |          |        |       |       |        |       |    |
| Not jacquard, figured                                      | { 1,000 sq. yds. \$ 3,765 | 28,979 | 15,330 | 18,168 | 17,898 | 20,544 | }      | \$ 1,191 | 6,083  | 2,028 | 2,308 | 2,726  | 3,097 |    |
|                                                            | { 1,000 lbs. \$ 383       | 2,590  | 1,877  | 1,518  | 1,544  | 1,790  |        |          |        |       |       |        |       |    |
| Jacquard, figured                                          | { 1,000 sq. yds. \$ 119   | 772    | 209    | 284    | 256    | 306    |        |          |        |       |       |        |       |    |
|                                                            | { 1,000 lbs. \$ 25        | 198    | 47     | 54     | 50     | 58     | }      | \$ 196   | 1,145  | 227   | 256   | 272    | 274   |    |
| Pile fabrics                                               | do                        | 672    | 240    | 64     | 35     | 18     |        |          |        |       |       |        |       | 64 |
| Pile ribbons and manufactures of pile fabrics              | do                        | 84     | 148    | 63     | 16     | 12     |        |          |        |       |       |        |       | 25 |
| Wearing apparel                                            |                           |        |        |        |        |        |        |          |        |       |       |        |       |    |
| Product of Philippine Islands                              |                           |        |        |        |        |        |        | 7,847    | 2,586  | 1,061 | 1,130 | 1,340  | 1,494 |    |
| Not knit, not embroidered, etc.                            |                           |        |        |        |        |        |        | 15 114   | 43     | 18    | 46    | 37     |       |    |
| Embroidered, etc., or of lace                              |                           |        |        |        |        |        |        | 3,436    | 1,283  | 600   | 678   | 896    | 1,010 |    |
| Knit or crocheted                                          |                           |        |        |        |        |        |        | 3,550    | 1,128  | 381   | 346   | 365    | 433   |    |
|                                                            |                           |        |        |        |        |        |        | 270      | 132    | 62    | 60    | 42     | 52    |    |
| Handkerchiefs and mufflers—                                |                           |        |        |        |        |        |        |          |        |       |       |        |       |    |
| Hemmed or not hemmed                                       | 1,000 doz.                | 492    | 383    | 145    | 323    | 372    | 489    | 1,020    | 411    | 131   | 194   | 260    | 363   |    |
| Embroidered or of lace                                     | do                        | 198    | 18     | 9      | 7      | 3      | 3      | 192      | 27     | 11    | 7     | 6      | 6     |    |
| Laces, embroideries, etc.                                  |                           |        |        |        |        |        |        |          |        |       |       |        |       |    |
| Laces and lace articles                                    |                           |        |        |        |        |        |        | 3,781    | 1,517  | 624   | 494   | 520    | 451   |    |
| Embroideries                                               |                           |        |        |        |        |        |        | 1,820    | 1,043  | 466   | 345   | 381    | 348   |    |
| All other                                                  |                           |        |        |        |        |        |        | 1,553    | 379    | 127   | 119   | 98     | 89    |    |
| Ribbons, n. e. s., braids, and narrow fabrics              |                           |        |        |        |        |        |        | 409      | 95     | 41    | 30    | 41     | 14    |    |
| All other manufactures of silk                             |                           |        |        |        |        |        |        | 292      | 55     | 23    | 20    | 25     | 24    |    |
|                                                            |                           |        |        |        |        |        |        | 1,226    | 381    | 173   | 177   | 216    | 239   |    |
| O. Manufactures of rayon or other synthetic textiles       |                           |        |        |        |        |        |        |          |        |       |       |        |       |    |
| Waste, noils, tops                                         | 1,000 lbs.                | 3,212  | 1,382  | 811    | 2,548  | 1,287  | 3,915  | 15,276   | 4,743  | 2,621 | 4,137 | 2,173  | 2,844 |    |
| Yarns, threads, and filaments                              | do                        | 12,249 | 2,674  | 2,729  | 4,269  | 308    | 1,496  | 789      | 135    | 48    | 426   | 182    | 537   |    |
| Bands, or strips, not over 1 inch wide                     | do                        | \$ 48  | 117    | 218    | 82     | 27     | 26     | 10,123   | 1,810  | 826   | 1,761 | 149    | 357   |    |
| Fabrics, woven and knit                                    | do                        | \$ 277 | 259    | 283    | 262    | 189    | 241    | \$ 46    | 122    | 186   | 65    | 27     | 21    |    |
| Wearing apparel                                            |                           |        |        |        |        |        |        | 1,097    | 792    | 626   | 654   | 547    | 495   |    |
| Handkerchiefs                                              | thousands                 |        | 21     | 22     | 32     | 83     | 30     | \$ 292   | 872    | 537   | 706   | 649    | 746   |    |
| All other manufactures                                     |                           |        |        |        |        |        |        | \$ 17    | 11     | 11    | 18    | 26     | 7     |    |
|                                                            |                           |        |        |        |        |        |        | 3,853    | 1,001  | 387   | 506   | 592    | 680   |    |
| P. Miscellaneous textile products                          |                           |        |        |        |        |        |        |          |        |       |       |        |       |    |
| Straw or other fiber hats and materials                    |                           |        |        |        |        |        |        | 22,267   | 10,297 | 8,442 | 7,464 | 10,116 | 7,740 |    |
| Materials, including braids, etc., in part of rayon        |                           |        |        |        |        |        |        | 14,928   | 15,383 | 6,074 | 5,235 | 7,640  | 4,580 |    |
| Hats of straw, grass, etc.                                 | thousands                 | 30,307 | 41,999 | 25,689 | 33,223 | 35,322 | 20,773 | 4,315    | 2,586  | 1,407 | 1,314 | 1,480  | 951   |    |
| Product of Philippine Islands                              | do                        | 634    | 351    | 399    | 802    | 671    | 222    | 10,611   | 12,797 | 4,667 | 3,921 | 6,060  | 3,609 |    |
| Hats not blocked or trimmed—                               |                           |        |        |        |        |        |        | 1,416    | 449    | 336   | 643   | 619    | 222   |    |
| Not bleached                                               | do                        | 7,645  | 30,912 | 14,432 | 6,642  | 10,792 | 5,409  | 5,394    | 11,696 | 3,432 | 1,857 | 3,324  | 1,771 |    |
| Bleached, dyed, etc.                                       | do                        |        |        |        | 7,805  | 7,798  | 5,887  |          |        |       | 795   | 1,574  | 1,331 |    |
| Blocked or trimmed                                         | do                        | 3,150  | 12     | 5      | 3      | 2      | 8      | 1,751    | 39     | 11    | 11    | 9      | 11    |    |
| Sewed                                                      | do                        | 3,123  | 197    | 902    | 381    | 100    | 10     | 1,202    | 135    | 588   | 190   | 63     | 14    |    |
| Harvest hats less than \$3 per dozen                       | do                        | 15,751 | 10,377 | 9,902  | 17,690 | 15,959 | 9,238  | 845      | 374    | 274   | 425   | 472    | 260   |    |
| Hats, n. e. s. in part of rayon or other synthetic textile | thousands                 | \$ 19  | 150    | 49     |        |        |        | \$ 16    | 104    | 26    |       |        |       |    |

¹ Less than 500.

² June 18 to Dec. 31, 1930.

³ Average for years 1929 and 1930.

⁴ Average for years 1927-30.

No. 524.—IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

| Group and article                                                           | Quantity  |         |        |        |        |        | Value in thousands of dollars |         |         |         |         |         |
|-----------------------------------------------------------------------------|-----------|---------|--------|--------|--------|--------|-------------------------------|---------|---------|---------|---------|---------|
|                                                                             | 1926-1930 | 1931    | 1932   | 1933   | 1934   | 1935   | 1926-1930                     | 1931    | 1932    | 1933    | 1934    | 1935    |
| <b>GROUP 3.—TEXTILES—Continued</b>                                          |           |         |        |        |        |        |                               |         |         |         |         |         |
| <b>P. Miscellaneous textile products—Continued</b>                          |           |         |        |        |        |        |                               |         |         |         |         |         |
| Floor coverings, n. e. s.—                                                  |           |         |        |        |        |        |                               |         |         |         |         |         |
| Pile mats of cocoa fiber or rattan, 1,000 sq. ft.                           | 4,005     | 2,513   | 2,018  | 1,466  | 1,043  | 1,005  | 406                           | 218     | 112     | 97      | 74      | 82      |
| Mattings and mats of China, Japan, and India straw, 1,000 sq. yds.          | 2,081     | 1,098   | 1,077  | 793    | 1,961  | 2,867  | 256                           | 84      | 76      | 46      | 121     | 158     |
| Other floor coverings, n. e. s. do.                                         | 4,063     | 2,498   | 3,400  | 3,869  | 1,255  | 1,650  | 992                           | 473     | 351     | 329     | 272     | 316     |
| Artificial flowers, etc. and manufactures                                   |           |         |        |        |        |        | 3,034                         | 1,448   | 821     | 503     | 609     | 746     |
| Body supporting garments                                                    |           |         |        |        |        |        | 326                           | 564     | 406     | 412     | 384     | 392     |
| Mixed fabrics, 17 percent or more of wool, wool not chief value, 1,000 lbs. | 56        | 69      | 58     | 69     | 81     | 67     | 91                            | 119     | 52      | 62      | 88      | 78      |
| Tracing cloths, 1,000 sq. yds.                                              | 2,296     | 1,412   | 885    | 813    | 1,083  | 1,262  | 1,200                         | 704     | 351     | 365     | 558     | 669     |
| Other coated, or waterproof, fabrics, do.                                   | 1,620     | 320     | 252    | 344    | 392    | 321    | 450                           | 89      | 57      | 96      | 117     | 117     |
| Linoleum, inlaid, do.                                                       | 533       | 115     | 199    | 296    | 291    | 419    | 592                           | 106     | 107     | 157     | 189     | 262     |
| Other linoleum and floor oil cloth, do.                                     | 319       | 193     | 84     | 512    | 453    | 923    | 317                           | 109     | 34      | 164     | 164     | 361     |
| <b>GROUP 4.—WOOD AND PAPER</b>                                              |           |         |        |        |        |        |                               |         |         |         |         |         |
| Total                                                                       |           |         |        |        |        |        | 358,780                       | 237,355 | 168,115 | 170,016 | 181,454 | 208,343 |
| <b>A. Wood, unmanufactured</b>                                              |           |         |        |        |        |        |                               |         |         |         |         |         |
| Cedar logs, 1,000 ft. b.m.                                                  | 102,507   | 20,718  | 27,903 | 32,575 | 20,148 | 21,661 | 16,050                        | 7,343   | 3,739   | 4,100   | 4,214   | 5,807   |
| Logs of fir, spruce, or western hemlock, do.                                |           | 127,656 | 58,933 | 86,579 | 17,340 | 80,724 | 1,457                         | 1,299   | 464     | 762     | 155     | 192     |
| Other logs and timber, n. e. s.                                             |           |         |        |        |        |        | 1,704                         | 230     | 132     | 96      | 85      | 156     |
| Teak, 1,000 ft. b.m.                                                        | 1,637     | 2,662   | 522    | 250    | 52     | 57     | 511                           | 725     | 78      | 32      | 10      | 10      |
| Cabinet woods in the log—                                                   |           |         |        |        |        |        |                               |         |         |         |         |         |
| Product of Philippine Islands, do.                                          | 5,047     | 1,203   | 267    |        | 895    | 1,396  | 208                           | 50      | 8       |         | 28      | 58      |
| Mahogany, do.                                                               | 55,201    | 16,760  | 7,784  | 4,551  | 7,862  | 14,010 | 4,120                         | 937     | 437     | 257     | 533     | 997     |
| Cedar, Spanish, do.                                                         | 4,870     | 700     | 769    | 779    | 966    | 1,660  | 317                           | 41      | 37      | 30      | 43      | 97      |
| All other, do.                                                              | 9,761     | 3,331   | 4,081  | 2,044  | 2,622  | 5,124  | 1,263                         | 362     | 280     | 241     | 310     | 609     |
| Railroad ties, thousands                                                    | 968       | 395     | 426    | 451    | 431    | 266    | 778                           | 292     | 302     | 357     | 326     | 159     |
| Rattan, unmanufactured, 1,000 lbs.                                          | 9,384     | 5,592   | 4,435  | 5,280  | 6,742  | 7,733  | 715                           | 301     | 201     | 282     | 370     | 416     |
| Poles—telegraph, telephone, etc., thousands                                 | 859       | 398     | 175    | 159    | 190    | 239    | 3,525                         | 1,542   | 623     | 503     | 503     | 645     |
| Brier, ivy, or laurel root, do.                                             |           |         |        |        |        | 23,815 | 340                           | 338     | 201     | 244     | 380     | 530     |
| Other unmanufactured wood                                                   |           |         |        |        |        |        | 1,521                         | 937     | 727     | 987     | 1,299   | 1,159   |

|                                                                     |           |          |                  |         |         |                  |  |  |  | 56,703  | 20,319 | 10,913           | 12,251 | 11,773 | 19,561 |
|---------------------------------------------------------------------|-----------|----------|------------------|---------|---------|------------------|--|--|--|---------|--------|------------------|--------|--------|--------|
| <b>B. Wood semimanufactures—sawmill products</b>                    |           |          |                  |         |         |                  |  |  |  |         |        |                  |        |        |        |
| Sawed boards and lumber, n. e. s.—                                  |           |          |                  |         |         |                  |  |  |  |         |        |                  |        |        |        |
| Softwood..... M ft.                                                 | 1,469,443 | 698,278  | 351,783          | 309,638 | 243,597 | 379,429          |  |  |  | 35,020  | 14,061 | 6,530            | 6,509  | 5,834  | 8,916  |
| Hardwood..... do                                                    | 89,679    | 24,558   | 15,276           | 26,923  | 20,875  | 27,588           |  |  |  | 3,883   | 1,019  | 550              | 912    | 881    | 1,071  |
| Cabinet woods, sawed—                                               |           |          |                  |         |         |                  |  |  |  |         |        |                  |        |        |        |
| Product of Philippine Islands..... do                               | 31,150    | 17,955   | 6,936            | 15,411  | 17,352  | 25,816           |  |  |  | 1,469   | 866    | 256              | 491    | 671    | 983    |
| Other cabinet woods, sawed..... do                                  | 4,184     | 4,350    | 5,327            | 4,960   | 5,063   | 4,808            |  |  |  | 339     | 290    | 271              | 285    | 331    | 330    |
| Laths..... millions                                                 | 1,209     | 467      | 193              | 164     | 148     | 274              |  |  |  | 5,650   | 1,215  | 511              | 408    | 387    | 686    |
| Shingles..... 1,000 squares                                         | 17 2,360  | 17 1,235 | 17 1,549         | 1,570   | 1,376   | 2,749            |  |  |  | 6,853   | 2,606  | 2,568            | 3,496  | 3,542  | 7,411  |
| Pickets and palings.....                                            |           |          |                  |         |         |                  |  |  |  | 491     | 262    | 227              | 150    | 125    | 154    |
| <b>G. Wood manufactures</b>                                         |           |          |                  |         |         |                  |  |  |  | 10,800  | 5,183  | 2,915            | 7,221  | 3,558  | 3,800  |
| Barrels, boxes, and shooks..... thousands                           | 2,209     | 979      | 750              |         |         |                  |  |  |  | 338     | 161    | 116              | 4,355  | 560    | 208    |
| Clapboards (siding)..... M ft.                                      | 1,976     | 3,422    | 2,022            | 1,390   | 154     | 376              |  |  |  | 80      | 127    | 65               | 67     | 8      | 19     |
| Veneers and plywoods..... 1,000 sq. ft.                             | 1,841     | 5,208    | 4,799            | 4,382   | 4,369   | 4,748            |  |  |  | 43      | 108    | 57               | 87     | 63     | 102    |
| Baskets..... thousands                                              | 12,850    | 11,017   | 9,423            | 6,245   | 9,496   | 13,274           |  |  |  | 1,038   | 564    | 351              | 300    | 394    | 504    |
| Cane or reed and manufactured rattan                                |           |          |                  |         |         |                  |  |  |  |         |        |                  |        |        |        |
| 1,000 lbs.....                                                      | 4,011     | 2,376    | 1,080            | 1,578   | 1,409   | 2,126            |  |  |  | 422     | 186    | 69               | 114    | 108    | 134    |
| Osier or willow for basket making..... do                           | 670       | 263      | 144              | 182     | 142     | 154              |  |  |  | 38      | 11     | 3                | 3      | 5      | 6      |
| Manufactures of rattan, bamboo, osier, or willow (except furniture) |           |          |                  |         |         |                  |  |  |  | 242     | 178    | 94               | 99     | 148    | 162    |
| Furniture of rattan, reed, bamboo, grass, osier, willow, or fiber   |           |          |                  |         |         |                  |  |  |  | 282     | 138    | 106              | 54     | 70     | 75     |
| Chairs, except bentwood..... thousands                              |           | 43       | 25               | 23      | 13      | 32               |  |  |  | 333     | 333    | 143              | 104    | 77     | 89     |
| Bentwood furniture.....                                             |           |          |                  |         |         |                  |  |  |  | 273     | 155    | 203              | 284    | 408    | 408    |
| Wood furniture, n. e. s.....                                        |           |          |                  |         |         |                  |  |  |  | 4,489   | 1,465  | 599              | 618    | 488    | 477    |
| Misc. of wood, product of Philippine Islands                        |           |          |                  |         |         |                  |  |  |  | 73      | 42     | 21               | 20     | 13     | 36     |
| Other manufactures of wood                                          |           |          |                  |         |         |                  |  |  |  | 3,254   | 1,596  | 1,137            | 1,107  | 1,340  | 1,531  |
| <b>D. Cork and manufactures</b>                                     |           |          |                  |         |         |                  |  |  |  | 10,104  | 3,786  | 2,009            | 3,220  | 4,161  | 3,697  |
| Wood or bark, unmanufactured..... 1,000 lbs.                        | 100,723   | 55,519   | 29,599           | 93,932  | 66,111  | 70,448           |  |  |  | 2,081   | 1,619  | 684              | 1,698  | 2,287  | 1,747  |
| Waste, shavings, etc..... do                                        | 139,412   | 79,882   | 88,838           | 93,252  | 56,453  | 82,627           |  |  |  | 3,209   | 1,394  | 1,172            | 1,157  | 1,025  | 1,310  |
| Disks, wafers, and washers..... do                                  | 633       | 92       | 51               | 134     | 108     | 50               |  |  |  | 507     | 60     | 35               | 104    | 109    | 46     |
| Cork insulation.....                                                |           |          |                  |         |         |                  |  |  |  | 2,636   | 676    | 30               | 20     | 9      | 5      |
| Cork stoppers..... 1,000 lbs.                                       | 394       | 110      | 96               | 267     | 501     | 214              |  |  |  | 416     | 72     | 48               | 180    | 407    | 167    |
| Other cork manufactures.....                                        |           |          |                  |         |         |                  |  |  |  | 356     | 67     | 39               | 62     | 344    | 421    |
| <b>E. Paper base stocks</b>                                         |           |          |                  |         |         |                  |  |  |  | 114,498 | 75,183 | 54,401           | 65,330 | 71,209 | 82,044 |
| Pulp woods..... 1,000 cords                                         | 1,492     | 1,022    | 643              | 733     | 971     | 1,037            |  |  |  | 15,688  | 11,211 | 5,532            | 5,362  | 7,323  | 7,761  |
| Rough spruce..... do                                                |           | 182      | 114              | 119     | 160     | 83               |  |  |  | 4,076   | 1,940  | 912              | 900    | 1,232  | 669    |
| Other rough..... do                                                 | 409       | 5        | ( <sup>1</sup> ) | 1       | 16      | 17               |  |  |  |         | 43     | ( <sup>1</sup> ) | 3      | 85     | 89     |
| Peeled spruce..... do                                               |           | 620      | 459              | 492     | 668     | 743              |  |  |  | 10,910  | 7,229  | 4,207            | 3,801  | 5,260  | 6,014  |
| Other peeled..... do                                                | 1,029     | 198      | 72               | 100     | 113     | 189              |  |  |  |         | 1,786  | 433              | 535    | 611    | 987    |
| Rosined..... do                                                     | 53        | 17       | 3                | 12      | 5       | ( <sup>1</sup> ) |  |  |  | 700     | 213    | 20               | 73     | 35     | 2      |

<sup>1</sup> Less than 500.<sup>2</sup> June 18 to Dec. 31, 1930.<sup>3</sup> Quantity reported in thousands of shingles; converted to squares on the basis of 800 shingles to a square.

No. 524.—IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

536

FOREIGN COMMERCE

| Group and article                                                | Quantity  |           |           |           |           |           | Value in thousands of dollars |         |        |        |        |        |
|------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-------------------------------|---------|--------|--------|--------|--------|
|                                                                  | 1926-1930 | 1931      | 1932      | 1933      | 1934      | 1935      | 1926-1930                     | 1931    | 1932   | 1933   | 1934   | 1935   |
| <b>GROUP 4. WOOD AND PAPER—Continued</b>                         |           |           |           |           |           |           |                               |         |        |        |        |        |
| <b>E. Paper base stocks—Continued.</b>                           |           |           |           |           |           |           |                               |         |        |        |        |        |
| Wood pulp..... tons of 2,240 lbs 17a                             | 1,584,480 | 1,425,376 | 1,323,000 | 1,733,556 | 1,612,478 | 1,983,249 | 86,044                        | 60,887  | 48,903 | 57,369 | 61,825 | 70,735 |
| Mechanically ground..... do                                      | 244,866   | 188,004   | 168,272   | 187,636   | 169,084   | 190,041   | 6,615                         | 4,494   | 3,288  | 3,211  | 3,245  | 3,277  |
| Unbleached..... do                                               | 176,206   | 152,716   | 176,869   | 159,331   | 172,203   | 172,203   | 4,211                         | 2,998   | 3,031  | 3,021  | 2,981  | 2,981  |
| Bleached..... do                                                 | 11,798    | 15,556    | 10,817    | 9,753     | 17,838    | 17,838    | 283                           | 271     | 180    | 224    | 296    | 296    |
| Sulphite wood pulp—                                              |           |           |           |           |           |           |                               |         |        |        |        |        |
| Unbleached..... do                                               | 649,989   | 540,006   | 508,088   | 643,003   | 603,217   | 693,026   | 34,481                        | 22,995  | 17,048 | 19,946 | 21,796 | 24,026 |
| Bleached..... do                                                 | 314,199   | 320,016   | 311,046   | 400,697   | 355,384   | 429,424   | 23,866                        | 18,930  | 14,727 | 19,142 | 21,934 | 21,934 |
| Soda pulp..... do                                                | 1,932     | 3,055     | 1,569     | 3,568     | 6,665     | 9,416     | 123                           | 166     | 66     | 139    | 305    | 410    |
| Sulphate wood pulp—                                              |           |           |           |           |           |           |                               |         |        |        |        |        |
| Unbleached (kraft)..... do                                       | 359,755   | 344,612   | 310,659   | 461,980   | 429,853   | 526,684   | 20,004                        | 12,035  | 9,819  | 12,568 | 13,734 | 15,894 |
| Bleached..... do                                                 | 15,285    | 29,683    | 23,366    | 36,622    | 48,275    | 84,658    | 1,052                         | 2,267   | 1,976  | 2,862  | 3,335  | 5,194  |
| Other pulp..... do                                               | 4,472     | 254       | 179       | 188       | 137       | 394       | 329                           | 21      | 18     | 30     | 25     | 26     |
| Rags for paper stock..... 1,000 lbs                              | 406,573   | 116,681   | 86,469    | 171,544   | 101,524   | 201,311   | 8,224                         | 1,571   | 1,116  | 1,415  | 1,283  | 2,411  |
| Other paper stock..... do                                        | 215,975   | 123,285   | 84,970    | 106,046   | 52,525    | 77,801    | 4,213                         | 1,503   | 781    | 1,164  | 764    | 1,111  |
| <b>F. Paper and manufactures</b>                                 |           |           |           |           |           |           | 151,219                       | 125,623 | 94,135 | 77,894 | 86,620 | 93,444 |
| Printing paper                                                   |           |           |           |           |           |           |                               |         |        |        |        |        |
| Standard newsprint..... 1,000 lbs                                | 4,278,903 | 4,133,812 | 3,584,260 | 3,587,082 | 4,419,396 | 4,766,631 | 134,239                       | 112,170 | 84,721 | 68,495 | 76,272 | 82,265 |
| All other, n. e. s..... do                                       | 5,219     | 3,000     | 3,639     | 4,186     | 7,800     | 11,560    | 405                           | 94      | 97     | 89     | 168    | 248    |
| Grease-proof and waterproof papers..... do                       | 1,584     | 357       | 431       | 640       | 346       | 594       | 326                           | 75      | 57     | 90     | 78     | 122    |
| Kraft wrapping paper..... do                                     | 9,842     | 3,997     | 7,237     | 8,318     | 8,053     | 24,681    | 418                           | 169     | 221    | 276    | 298    | 816    |
| Other wrapping paper..... do                                     | 8,870     | 2,903     | 2,538     | 1,747     | 1,602     | 1,131     | 292                           | 136     | 79     | 66     | 59     | 44     |
| Writing, letter, drawing, etc., papers..... do                   | 3,384     | 2,476     | 1,681     | 1,605     | 1,635     | 1,249     | 869                           | 477     | 204    | 276    | 360    | 296    |
| Writing paper and envelope combinations                          |           |           |           |           |           |           | 263                           | 283     | 92     | 37     | 24     | 26     |
| Surface-coated..... 1,000 lbs                                    | 2,197     | 1,099     | 838       | 1,255     | 1,635     | 1,807     | 916                           | 538     | 343    | 465    | 613    | 593    |
| Uncoated papers, decorated or embossed..... do                   | 1,92      | 146       | 51        | 28        | 27        | 38        | 29                            | 38      | 13     | 9      | 10     | 16     |
| Tissue and similar paper..... do                                 | 3,651     | 2,006     | 1,425     | 1,593     | 1,599     | 1,789     | 1,935                         | 1,132   | 598    | 622    | 759    | 798    |
| Pulp board in rolls..... do                                      | 57,041    | 23,263    | 21,666    | 12,581    | 18,184    | 16,716    | 1,307                         | 495     | 367    | 218    | 318    | 288    |
| Paper board, pulp board, n. e. s., and card-board..... 1,000 lbs | 18,540    | 14,154    | 10,436    | 13,719    | 15,594    | 17,971    | 606                           | 296     | 183    | 231    | 270    | 285    |
| Leather board, test and wall board..... do                       | 1,514     | 2,344     | 2,366     | 10,188    | 7,219     | 15,199    | 72                            | 121     | 135    | 369    | 240    | 458    |
| Cigarette paper, cigarette books and covers                      |           |           |           |           |           |           |                               |         |        |        |        |        |
| Hanging paper (wall paper)..... 1,000 lbs                        | 12,241    | 20,737    | 17,442    | 16,263    | 15,774    | 15,317    | 3,618                         | 5,398   | 4,141  | 3,708  | 4,123  | 4,000  |
| Duplex decalcomania, not printed..... do                         | 2,614     | 1,034     | 404       | 244       | 248       | 364       | 651                           | 305     | 98     | 73     | 95     | 124    |
| Boxes, paper, papier-mâché, or paper board                       | 821       | 406       | 288       | 374       | 442       | 461       | 147                           | 85      | 47     | 71     | 94     | 95     |
| Manufactures of pulp or papier-mâché, n. e. s.                   |           |           |           |           |           |           | 1,435                         | 969     | 700    | 612    | 634    | 434    |
| All other paper and manufactures                                 |           |           |           |           |           |           | 461                           | 418     | 265    | 358    | 341    | 324    |
|                                                                  | 3,492     | 2,456     | 1,713     | 1,835     | 1,764     | 2,210     |                               |         |        |        |        |        |

| GROUP 5.—NONMETALLIC MINERALS                         |  |  |  |  |  |  |  | 280,241 | 154,255 | 96,188 | 65,643 | 86,519 | 103,824 |
|-------------------------------------------------------|--|--|--|--|--|--|--|---------|---------|--------|--------|--------|---------|
| Total.....                                            |  |  |  |  |  |  |  | 7,573   | 6,186   | 5,187  | 4,054  | 5,066  | 5,948   |
| A. Coal and related fuels.....                        |  |  |  |  |  |  |  | 3,626   | 4,143   | 3,529  | 2,617  | 3,465  | 3,543   |
| Anthracite coal..... tons of 2,240 lbs..              |  |  |  |  |  |  |  |         |         |        |        |        |         |
| Bituminous coal, shale, and lignite.....              |  |  |  |  |  |  |  |         |         |        |        |        |         |
| 1,000 tons of 2,240 lbs..                             |  |  |  |  |  |  |  | 2,091   | 1,016   | 892    | 816    | 725    | 733     |
| Coke..... tons of 2,240 lbs..                         |  |  |  |  |  |  |  | 1,361   | 691     | 370    | 484    | 865    | 1,575   |
| Charcoal, briquets, etc.....                          |  |  |  |  |  |  |  | 492     | 336     | 347    | 138    | 11     | 98      |
| B. Petroleum and products.....                        |  |  |  |  |  |  |  | 131,901 | 92,741  | 60,630 | 25,693 | 38,581 | 37,346  |
| Crude petroleum—                                      |  |  |  |  |  |  |  |         |         |        |        |        |         |
| Bonded, for refining and export, or for sup-          |  |  |  |  |  |  |  |         |         |        |        |        |         |
| plies of vessels..... 1,000 bbls. of 42 gals..        |  |  |  |  |  |  |  | 4,625   |         |        |        | 3,920  | 5,495   |
| Other..... do.....                                    |  |  |  |  |  |  |  | 31,146  | 25,378  |        |        | 21,963 | 17,866  |
| Advanced and refined oils..... do.....                |  |  |  |  |  |  |  | 6,967   |         |        |        |        |         |
| Fuel oil, including topped petroleum—                 |  |  |  |  |  |  |  |         |         |        |        |        |         |
| Bonded for refining and export or for sup-            |  |  |  |  |  |  |  |         |         |        |        |        |         |
| plies of vessels..... 1,000 bbls. of 42 gals..        |  |  |  |  |  |  |  | 6,606   | 9,295   | 13,401 |        | 3,342  | 7,003   |
| Other..... do.....                                    |  |  |  |  |  |  |  | 6,503   | 5,182   | 8,735  |        | 3,237  | 5,984   |
| Tops and other unfinished distillates..... do.....    |  |  |  |  |  |  |  | 19      | 323     | 208    |        | 157    | 370     |
| Finished light products—                              |  |  |  |  |  |  |  |         |         |        |        |        |         |
| Bonded for manufacture and export                     |  |  |  |  |  |  |  |         |         |        |        |        |         |
| 1,000 bbls. of 42 gals..                              |  |  |  |  |  |  |  | 93      | 134     |        |        | 147    | 237     |
| Other..... do.....                                    |  |  |  |  |  |  |  | 23      | 2       | 9      |        | 77     | 9       |
| Illuminating oil (kerosene)..... do.....              |  |  |  |  |  |  |  | 9       | 8       | 8      |        | 55     | 18      |
| Lubricating oils, including paraffin oil..... do..... |  |  |  |  |  |  |  | 4       | 8       | 7      |        | 66     | 57      |
| Paraffin, paraffin wax, and similar products          |  |  |  |  |  |  |  |         |         |        |        |        |         |
| 1,000 lbs..                                           |  |  |  |  |  |  |  | 1,472   | 1,371   | 965    | 907    | 1,046  | 536     |
| C. Stone, sand, cement, and lime.....                 |  |  |  |  |  |  |  | 8,400   | 3,326   | 1,796  | 1,680  | 1,408  | 2,044   |
| Marble, breccia, and onyx—                            |  |  |  |  |  |  |  |         |         |        |        |        |         |
| In blocks, or sawed over 2 inches thick               |  |  |  |  |  |  |  |         |         |        |        |        |         |
| 1,000 cu. ft..                                        |  |  |  |  |  |  |  | 1,884   | 563     | 300    | 197    | 126    | 228     |
| Manufactures.....                                     |  |  |  |  |  |  |  |         |         |        |        |        |         |
| Granite..... 1,000 cu. ft..                           |  |  |  |  |  |  |  | 760     | 374     | 136    | 117    | 60     | 72      |
| Other building or monumental stone, n. e. s..         |  |  |  |  |  |  |  | 159     | 278     | 167    | 107    | 103    | 120     |
| Other stone, n. e. s..                                |  |  |  |  |  |  |  | 914     | 409     | 241    | 243    | 226    | 287     |
| Cement, Roman, Portland, and other hydrau-            |  |  |  |  |  |  |  | 256     | 138     | 82     | 83     | 161    | 109     |
| lic..... 1,000 bbls. <sup>12</sup>                    |  |  |  |  |  |  |  |         |         |        |        |        |         |
| Lime..... 1,000 lbs..                                 |  |  |  |  |  |  |  | 2,852   | 545     | 368    | 406    | 289    | 669     |
| Gypsum or plaster rock—                               |  |  |  |  |  |  |  | 357     | 192     | 106    | 106    | 83     | 47      |
| Crude..... tons of 2,240 lbs..                        |  |  |  |  |  |  |  | 1,153   | 713     | 347    | 374    | 371    | 463     |
| Ground, calcined, cements, and other manu-            |  |  |  |  |  |  |  |         |         |        |        |        |         |
| factures.....                                         |  |  |  |  |  |  |  | 193     | 114     | 47     | 47     | 43     | 49      |

<sup>1</sup> Average for years 1928-1930.<sup>2</sup> June 18 to Dec. 31, 1930.<sup>3</sup> 1930 only.<sup>12</sup> Tons of 2,000 pounds, air-dry weight, for 1935.<sup>13</sup> Barrels of 37½ pounds.



No. 524.—IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

538

FOREIGN COMMERCE

| Group and article                                            | Quantity  |         |        |         |        |         | Value in thousands of dollars |        |       |       |       |       |
|--------------------------------------------------------------|-----------|---------|--------|---------|--------|---------|-------------------------------|--------|-------|-------|-------|-------|
|                                                              | 1926-1930 | 1931    | 1932   | 1933    | 1934   | 1935    | 1926-1930                     | 1931   | 1932  | 1933  | 1934  | 1935  |
| <b>GROUP 5.—NONMETALLIC MINERALS—Continued</b>               |           |         |        |         |        |         |                               |        |       |       |       |       |
| <b>D. Glass and glass products</b>                           |           |         |        |         |        |         | 15,203                        | 6,397  | 3,667 | 3,549 | 4,213 | 5,058 |
| Cylinder, crown and sheet—                                   |           |         |        |         |        |         |                               |        |       |       |       |       |
| Plain, 1,000 lbs.                                            | 62,692    | 7,721   | 3,614  | 4,393   | 2,404  | 3,300   | 2,253                         | 202    | 116   | 162   | 91    | 120   |
| Bent, beveled, colored, etc., do.                            | 1,767     | 1,779   | 710    | 811     | 1,031  | 1,031   | 482                           | 254    | 108   | 80    | 115   | 129   |
| Plate glass, 1,000 sq. ft.                                   | 15,935    | 4,867   | 1,170  | 596     | 250    | 78      | 4,234                         | 1,126  | 244   | 141   | 81    | 29    |
| Rolled glass, ground, obscured, bent, beveled, colored, etc. |           |         |        |         |        |         | 29                            | 115    | 74    | 41    | 28    | 25    |
| Bottles, vials, jars, and other containers                   |           |         |        |         |        |         | 428                           | 534    | 389   | 644   | 790   | 734   |
| Scientific articles and utensils                             |           |         |        |         |        |         | 553                           | 389    | 273   | 255   | 247   | 256   |
| Tubes and rods                                               |           |         |        |         |        |         | 52                            | 127    | 71    | 78    | 72    | 95    |
| Bulbs for electric lamps (no filaments)                      |           |         |        |         |        |         |                               |        |       |       |       |       |
| thousands                                                    |           | 13,221  | 14,033 | 3,401   | 1,444  | 1,043   |                               |        |       |       |       |       |
| Other blown glassware                                        |           |         |        |         |        |         | 4,778                         | 119    | 108   | 34    | 22    | 17    |
| Illuminating articles                                        |           |         |        |         |        |         |                               | 1,987  | 1,368 | 1,251 | 1,670 | 2,245 |
| Pressed glass articles                                       |           |         |        |         |        |         |                               | 877    | 369   | 202   | 185   | 189   |
| Other glass and glassware                                    |           |         |        |         |        |         |                               | 221    | 139   | 106   | 124   | 111   |
|                                                              |           |         |        |         |        |         |                               | 1,360  | 946   | 608   | 556   | 792   |
|                                                              |           |         |        |         |        |         |                               |        |       |       |       | 1,023 |
| <b>E. Clay and clay products</b>                             |           |         |        |         |        |         | 23,824                        | 10,071 | 5,558 | 6,873 | 8,915 | 9,810 |
| Clays and earths—                                            |           |         |        |         |        |         |                               |        |       |       |       |       |
| Kaolin, china, and paper clay                                |           |         |        |         |        |         |                               |        |       |       |       |       |
| tons of 2,240 lbs.                                           | 278,349   | 135,210 | 89,086 | 103,732 | 89,978 | 112,467 | 2,856                         | 1,067  | 461   | 632   | 753   | 960   |
| Fluorspar, do.                                               | 56,003    | 18,491  | 11,818 | 9,284   | 14,915 | 14,590  | 555                           | 211    | 133   | 105   | 183   | 179   |
| Other clays, and earths                                      |           |         |        |         |        |         | 874                           | 627    | 464   | 612   | 709   | 769   |
| <b>Pottery</b>                                               |           |         |        |         |        |         | 18,060                        | 7,845  | 4,375 | 5,452 | 7,188 | 7,807 |
| China and porcelain wares—                                   |           |         |        |         |        |         |                               |        |       |       |       |       |
| Tableware, kitchen ware, and utensils—                       |           |         |        |         |        |         |                               |        |       |       |       |       |
| Domestic or household, 1,000 doz.                            |           | 4,706   | 4,398  | 5,527   | 5,699  | 5,150   |                               | 3,255  | 1,827 | 2,269 | 3,039 | 2,936 |
| Hotel and restaurant, do.                                    | 9,014     | 76      | 50     | 47      | 34     | 34      | 9,412                         | 131    | 68    | 87    | 60    | 57    |
| Other china and porcelain                                    |           |         |        |         |        |         |                               | 1,066  | 622   | 686   | 369   | 1,015 |
| Earthen, crockery, and stone ware—                           |           |         |        |         |        |         |                               |        |       |       |       |       |
| Table, toilet, and kitchen ware—                             |           |         |        |         |        |         |                               |        |       |       |       |       |
| Domestic or household, 1000 doz.                             |           | 2,423   | 2,308  | 3,266   | 3,942  | 4,824   |                               | 2,224  | 1,299 | 1,785 | 2,479 | 2,796 |
| Hotel ware, plain or decorated, do.                          | 4,859     | 98      | 54     | 49      | 54     | 46      | 5,426                         | 107    | 39    | 37    | 47    | 40    |
| Other earthenware, do.                                       |           | 1,139   | 809    | 815     | 931    | 1,178   | 1,784                         | 997    | 470   | 561   | 640   | 706   |
| Common earthen and stone and Rockingham earthenware          |           |         |        |         |        |         | 154                           | 64     | 50    | 47    | 54    | 57    |
| Tiles, 1,000 sq. ft.                                         | 5,387     | 1,500   | 726    | 455     | 644    | 1,261   | 1,108                         | 265    | 99    | 44    | 48    | 72    |
| Bricks                                                       |           |         |        |         |        |         | 569                           | 67     | 26    | 27    | 34    | 23    |

| F. Other nonmetallic minerals                                                      |                          |         |         |         |         |         | 24,601  | 12,538 | 8,430  | 10,239 | 12,492 | 18,208 |
|------------------------------------------------------------------------------------|--------------------------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| Chalk—                                                                             |                          |         |         |         |         |         |         |        |        |        |        |        |
| Unmanufactured.....                                                                | tons of 2,240 lbs.       | 103,477 | 74,112  | 58,148  | 85,190  | 81,545  | 96,660  | 124    | 98     | 61     | 95     | 144    |
| Manufactures.....                                                                  | 1,000 lbs.               | 7,276   | 48      | 31      | 3       | 30      | 18      | 103    | 3      | 2      | 3      | 5      |
| Asphalt and bitumen.....                                                           | tons of 2,240 lbs.       | 106,167 | 65,779  | 18,280  | 19,380  | 13,999  | 48,189  | 893    | 726    | 251    | 278    | 545    |
| Earthy and mineral substances and articles, n. e. s.                               |                          |         |         |         |         |         |         | 752    | 851    | 463    | 499    | 725    |
| Abrasives—                                                                         |                          |         |         |         |         |         |         | 4,040  | 2,364  | 829    | 2,111  | 3,946  |
| Natural abrasives—                                                                 |                          |         |         |         |         |         |         |        |        |        |        |        |
| Corundum ore.....                                                                  | tons of 2,240 lbs.       | 2,707   | 639     | 168     | 925     | 1,953   | 4,514   | 163    | 37     | 8      | 49     | 309    |
| Emery ore.....                                                                     | do                       | 4,544   | 2,103   | 602     | 626     | 3,061   | 4,290   | 101    | 34     | 6      | 6      | 65     |
| Pumice stone and manufactures.....                                                 |                          |         |         |         |         |         |         | 132    | 77     | 51     | 75     | 98     |
| Flint, unground.....                                                               | tons of 2,240 lbs.       | 11,947  | 5,617   | 3,352   | 4,143   | 4,602   | 7,829   | 109    | 55     | 27     | 29     | 46     |
| Other natural abrasives.....                                                       |                          |         |         |         |         |         |         |        | 120    | 71     | 102    | 156    |
| Artificial abrasives, crude.....                                                   | 1,000 lbs.               | 116,825 | 78,875  | 17,095  | 58,711  | 114,935 | 131,900 | 3,129  | 1,631  | 510    | 1,639  | 3,042  |
| Other abrasives and manufactures.....                                              |                          |         |         |         |         |         |         | 405    | 180    | 155    | 209    | 209    |
| Asbestos—                                                                          |                          |         |         |         |         |         |         |        |        |        |        |        |
| Crude (including blue fiber)                                                       |                          |         |         |         |         |         |         |        |        |        |        |        |
| .....                                                                              | tons of 2,240 lbs.       | 211,253 | 4,605   | 1,473   | 2,814   | 3,198   | 3,519   | 8,706  | 611    | 187    | 413    | 640    |
| Mill fiber.....                                                                    | do                       |         | 41,777  | 27,523  | 43,114  | 37,464  | 56,338  |        | 1,994  | 1,227  | 2,187  | 2,920  |
| Stucco and other unmanufactured.....                                               | do                       |         | 75,369  | 57,391  | 60,805  | 66,779  | 83,882  |        | 1,145  | 837    | 942    | 1,565  |
| Manufactures.....                                                                  |                          |         |         |         |         |         |         | 1,126  | 166    | 35     | 43     | 62     |
| Carbon and manufactures.....                                                       |                          |         |         |         |         |         |         | 507    | 316    | 232    | 160    | 189    |
| Cryolite or kryolith.....                                                          | tons of 2,240 lbs.       | 7,132   | 7,908   | 3,782   | 4,141   | 4,450   | 8,299   | 573    | 581    | 291    | 298    | 377    |
| Mica—                                                                              |                          |         |         |         |         |         |         |        |        |        |        |        |
| Unmanufactured.....                                                                | 1,000 lbs.               | 1,590   | 4,570   | 2,956   | 3,854   | 7,688   | 6,580   | 494    | 130    | 79     | 179    | 212    |
| Mica, cut or split.....                                                            | do                       | 4,077   | 1,206   | 907     | 1,383   | 2,215   | 3,136   | 1,324  | 325    | 165    | 281    | 608    |
| Manufactures.....                                                                  | do                       |         | 15      | 126     | 556     | 328     | 40      |        | 4      | 7      | 14     | 29     |
| Pyrites, or sulphuret of iron, more than 25 per cent sulphur.....                  | 1,000 tons of 2,240 lbs. | 391     | 352     | 253     | 373     | 366     | 397     | 1,038  | 1,496  | 691    | 1,127  | 1,313  |
| Talc, steatite, and French chalk and manufactures, except toilet preparations..... | 1,000 lbs.               | 53,174  | 47,096  | 39,956  | 44,294  | 40,898  | 47,794  | 573    | 437    | 357    | 392    | 492    |
| Magnesite—                                                                         |                          |         |         |         |         |         |         |        |        |        |        |        |
| Crude and calcined.....                                                            | do                       | 17,234  | 5,937   | 3,796   | 3,721   | 3,205   | 2,983   | 189    | 60     | 31     | 33     | 37     |
| Dead burned and grain.....                                                         | do                       | 111,025 | 41,872  | 14,045  | 47,018  | 45,842  | 49,349  | 813    | 332    | 104    | 342    | 430    |
| Salt—                                                                              |                          |         |         |         |         |         |         |        |        |        |        |        |
| Bonded, used in curing fish.....                                                   | do                       | 100,311 | 67,028  | 67,708  | 34,848  | 63,469  | 53,980  | 166    | 83     | 76     | 26     | 57     |
| Other.....                                                                         | do                       |         |         |         | 25,407  | 42,779  | 48,510  |        |        |        | 44     | 54     |
| Graphite or plumbago.....                                                          | do                       | 36,861  | 18,180  | 14,031  | 16,106  | 28,242  | 36,722  | 829    | 260    | 151    | 211    | 489    |
| Mineral wax.....                                                                   | do                       | 9,811   | 8,910   | 5,150   | 6,658   | 5,494   | 7,618   | 598    | 429    | 274    | 454    | 555    |
| Other nonmetallic minerals, n. e. s.....                                           |                          |         |         |         |         |         |         | 1,652  | 126    | 78     | 108    | 170    |
| G. Precious stones and imitations                                                  |                          |         |         |         |         |         |         | 88,836 | 22,992 | 12,018 | 13,554 | 17,909 |
| Diamonds—                                                                          |                          |         |         |         |         |         |         |        |        |        |        |        |
| Rough, uncut.....                                                                  | carats                   | 265,862 | 85,249  | 40,153  | 28,895  | 38,636  | 79,695  | 10,399 | 3,852  | 1,513  | 1,648  | 2,687  |
| Cut, but not set.....                                                              | do                       | 430,743 | 201,998 | 183,103 | 178,700 | 208,296 | 330,617 | 39,954 | 11,965 | 7,896  | 8,336  | 9,898  |
| For glaziers, engravers, and miners, not set.....                                  | carats                   | 61,474  | 224,970 | 163,704 | 263,484 | 526,007 | 954,589 | 2,734  | 2,401  | 1,062  | 1,263  | 2,862  |
| Pearls and parts, not strung or set.....                                           |                          |         |         |         |         |         |         | 6,354  | 1,284  | 622    | 681    | 477    |

June 18 to Dec. 31, 1930.

Average for years 1926-29.

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

| Group and article                                                      | Quantity  |         |         |         |         |         | Value in thousands of dollars |         |        |         |         |         |
|------------------------------------------------------------------------|-----------|---------|---------|---------|---------|---------|-------------------------------|---------|--------|---------|---------|---------|
|                                                                        | 1926-1930 | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931    | 1932   | 1933    | 1934    | 1935    |
| <b>GROUP 5—NONMETALLIC MINERALS—Continued</b>                          |           |         |         |         |         |         |                               |         |        |         |         |         |
| <b>G. Precious stones and imitations—Continued.</b>                    |           |         |         |         |         |         |                               |         |        |         |         |         |
| Other precious stones—                                                 |           |         |         |         |         |         |                               |         |        |         |         |         |
| Rough, uncut                                                           |           |         |         |         |         |         | 272                           | 369     | 54     | 76      | 115     | 50      |
| Cut, but not set                                                       |           |         |         |         |         |         | 6,036                         | 1,447   | 730    | 573     | 777     | 1,282   |
| Imitations, except opaque                                              |           |         |         |         |         |         | 1,541                         | 936     | 929    | 1,052   | 1,431   |         |
| Imitations, opaque, including imitation pearls                         |           |         |         |         |         |         | 3,065                         | 29      | 17     | 11      | 25      | 30      |
| Marcasites                                                             |           |         |         |         |         |         | 108                           | 104     | 157    | 37      | 15      | 22      |
| <b>GROUP 6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES</b> |           |         |         |         |         |         |                               |         |        |         |         |         |
| Total                                                                  |           |         |         |         |         |         | 334,072                       | 146,081 | 74,156 | 116,606 | 129,859 | 177,168 |
| <b>A. Iron ore and concentrates 1,000 tons of 2,240 lbs.</b>           | 2,709     | 1,466   | 582     | 861     | 1,428   | 1,492   | 6,728                         | 3,902   | 1,539  | 2,054   | 3,306   | 3,482   |
| <b>B. Iron and steel semimanufactures</b>                              |           |         |         |         |         |         | 11,089                        | 5,383   | 4,039  | 3,928   | 4,177   | 5,741   |
| Granular or sponge iron tons of 2,240 lbs.                             | 81        | 210     | 185     | 26      | 898     | 1,460   | 3                             | 8       | 5      | 217     | 26      | 39      |
| Pig iron do                                                            | 200,766   | 84,411  | 130,630 | 134,456 | 114,468 | 130,937 | 3,280                         | 979     | 1,302  | 1,245   | 1,465   | 1,979   |
| Scrap and scale do                                                     | 65,642    | 16,279  | 9,775   | 56,133  | 44,421  | 64,768  | 918                           | 118     | 59     | 429     | 358     | 527     |
| Steel bars 1,000 lbs.                                                  | 164,372   | 202,434 | 132,548 | 54,824  | 46,940  | 65,083  | 3,606                         | 2,662   | 1,240  | 861     | 1,139   | 1,408   |
| Bar iron do                                                            | 7,437     | 1,913   | 1,131   | 1,200   | 1,803   | 4,155   | 188                           | 48      | 26     | 34      | 54      | 83      |
| Wire rods do                                                           | 32,192    | 15,936  | 17,771  | 29,880  | 23,873  | 37,586  | 877                           | 472     | 397    | 748     | 776     | 1,053   |
| Boiler or other plate iron and steel do                                | 9,919     | 1,692   | 943     | 532     | 640     | 1,527   | 140                           | 33      | 11     | 8       | 9       | 21      |
| Steelingots, blooms, slabs, etc. do                                    | 51,405    | 44,851  | 5,367   | 2,326   | 4,786   | 4,674   | 959                           | 519     | 75     | 58      | 114     | 116     |
| Sheet iron and steel, saw plates and steel, n. e. s. 1,000 lbs.        | 43,440    | 36,180  | 48,901  | 20,755  | 9,766   | 24,755  | 964                           | 601     | 442    | 289     | 204     | 465     |
| Tin plate, terneplate, and taggers tin do                              | 2,102     | 439     | 16,231  | 584     | 232     | 419     | 156                           | 43      | 472    | 40      | 32      | 49      |
| <b>C. Steel-mill products—manufactures</b>                             |           |         |         |         |         |         | 17,309                        | 9,047   | 5,593  | 5,950   | 6,135   | 10,809  |
| Structural iron and steel 1,000 lbs.                                   | 320,440   | 162,017 | 81,866  | 65,623  | 56,051  | 93,186  | 4,895                         | 2,226   | 642    | 610     | 727     | 1,208   |
| Rails for railways do                                                  | 44,454    | 11,217  | 12,684  | 14,344  | 6,885   | 12,674  | 546                           | 100     | 196    | 177     | 86      | 144     |
| Pipes and tubes do                                                     | 214,007   | 50,250  | 16,099  | 21,847  | 10,918  | 46,384  | 5,471                         | 1,905   | 679    | 913     | 592     | 1,774   |
| Cast-iron pipe do                                                      | 129,456   | 14,877  | 560     | 2,037   | 145     | 272     | 1,707                         | 183     | 6      | 26      | 2       | 8       |
| Other pipes and tubes do                                               | 84,552    | 35,373  | 15,539  | 19,768  | 10,771  | 46,112  | 3,764                         | 1,722   | 673    | 886     | 590     | 1,765   |
| Wire and manufactures                                                  |           |         |         |         |         |         |                               |         |        |         |         |         |
| Barbed wire do                                                         | 10,483    | 23,774  | 32,573  | 18,593  | 19,844  | 55,884  | 270                           | 434     | 588    | 382     | 493     | 1,228   |
| Round wire do                                                          | 10,328    | 5,715   | 4,217   | 6,875   | 5,774   | 8,790   | 720                           | 338     | 212    | 355     | 398     | 552     |
| Telegraph, telephone, and other insulated wire 1,000 lbs.              |           | 110     | 38      | 157     | 108     | 88      | 63                            | 26      | 8      | 13      | 5       | 7       |

|                                                                          |         |         |         |         |         |         |        |        |       |       |       |        |
|--------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|--------|--------|-------|-------|-------|--------|
| Flat wire and steel strips, n. e. s. do.                                 | 5,403   | 1,613   | 2,235   | 2,950   | 4,043   | 4,229   | 1,638  | 464    | 480   | 716   | 1,008 | 1,088  |
| Card clothing, 1,000 sq. ft.                                             | 259     | 128     | 73      | 204     | 200     | 202     | 413    | 174    | 70    | 240   | 246   | 254    |
| Wire rope and strand, 1,000 lbs.                                         | 5,018   | 4,367   | 4,037   | 3,840   | 3,387   | 4,797   | 4,022  | 280    | 214   | 243   | 257   | 354    |
| Other wire manufactures                                                  |         |         |         |         |         |         | 903    | 699    | 577   | 553   | 399   | 529    |
| Hoop or band iron or steel for baling, 1,000 lbs.                        | 42,073  | 19,310  | 28,435  | 8,987   | 4,495   | 24,065  | 799    | 251    | 348   | 106   | 78    | 456    |
| Hoop, band, or scroll iron and steel, n. e. s. 1,000 lbs.                | 21,905  | 43,390  | 43,196  | 33,364  | 35,519  | 44,438  | 396    | 658    | 459   | 501   | 567   | 686    |
| Nails, do.                                                               | 16,254  | 18,158  | 24,362  | 14,498  | 15,715  | 47,751  | 549    | 633    | 721   | 518   | 578   | 1,391  |
| Castings and forgings, do.                                               | 5,557   | 3,977   | 2,198   | 3,231   | 3,117   | 2,943   | 345    | 238    | 105   | 204   | 232   | 233    |
| Tanks, drums, or vessels for gas or liquids number                       | 181,238 | 214,618 | 153,110 | 191,102 | 194,657 | 449,848 | 685    | 558    | 288   | 399   | 458   | 892    |
| Autoclaves, converters, separators, stills, ovens, etc., and parts       |         |         |         |         |         |         | 67     | 63     | 4     | 22    | 10    | 12     |
| <b>D. Iron and steel, advanced manufactures</b>                          |         |         |         |         |         |         | 6,973  | 3,287  | 2,183 | 2,591 | 2,559 | 3,247  |
| Cutlery—                                                                 |         |         |         |         |         |         |        |        |       |       |       |        |
| Razors and parts, thousands                                              | 47,780  | 2,385   | 690     | 308     | 299     | 348     | 492    | 159    | 89    | 126   | 123   | 173    |
| Scissors, shears, and clippers, do.                                      | 1,429   | 1,016   | 1,106   | 720     | 178     | 237     | 285    | 173    | 96    | 83    | 68    | 100    |
| Folding-blade knives, do.                                                | 3,829   | 1,604   | 1,227   | 733     | 549     | 1,235   | 202    | 73     | 44    | 26    | 27    | 46     |
| Other cutlery, do.                                                       | 1,215   | 990     | 729     | 2,896   | 4,482   | 6,349   | 429    | 292    | 219   | 244   | 295   | 409    |
| Enameled or glazed ware and utensils, do.                                | 1,004   | 828     | 537     | 509     | 393     | 409     | 237    | 176    | 92    | 109   | 85    | 93     |
| Tools                                                                    |         |         |         |         |         |         | 801    | 659    | 584   | 931   | 713   | 876    |
| Needles, hand, sewing, and darning, millions                             | 749     | 797     | 837     | 816     | 853     | 822     | 830    | 625    | 420   | 477   | 595   | 574    |
| Other needles                                                            |         |         |         |         |         |         | 231    | 160    | 177   | 201   | 197   | 347    |
| Other advanced manufactures                                              |         |         |         |         |         |         | 3,406  | 990    | 461   | 395   | 458   | 629    |
| <b>E. Ferro-alloys</b>                                                   |         |         |         |         |         |         | 18,463 | 11,219 | 4,540 | 8,412 | 9,426 | 12,634 |
| Manganese ore—                                                           |         |         |         |         |         |         |        |        |       |       |       |        |
| Product of—                                                              |         |         |         |         |         |         |        |        |       |       |       |        |
| Cuba (Gross weight, tons of 2,240 lbs.)                                  | 6,201   | 3,804   | 6,749   | 28,257  | 63,743  | 43,955  | 98     | 20     | 112   | 431   | 966   | 700    |
| (Manganese content, do.)                                                 | 2,156   | 1,199   | 3,416   | 14,573  | 31,431  | 22,220  |        |        |       |       |       |        |
| Other manganese ore (manganese content, tons of 2,240 lbs.)              | 291,335 | 244,711 | 50,137  | 126,884 | 134,409 | 167,038 | 7,873  | 5,085  | 1,108 | 2,672 | 2,564 | 3,508  |
| Ferromanganese and other alloys (manganese content, tons of 2,240 lbs.)  | 45,347  | 17,763  | 14,586  | 31,916  | 18,781  | 21,964  | 4,632  | 1,607  | 1,011 | 2,570 | 1,449 | 1,748  |
| Chrome ore or chromite (gross weight, do.)                               | 260,515 | 212,628 | 89,143  | 116,511 | 192,297 | 256,063 | 2,268  | 3,315  | 1,626 | 1,426 | 2,278 | 3,604  |
| Chromium and alloys, 1,000 lbs.                                          | 1,139   | 213     | 516     | 342     | 200     | 179     | 126    | 24     | 84    | 84    | 38    | 68     |
| Ferrosilicon and other silicon alloys, do.                               | 17,896  | 1,654   | 377     | 2,654   | 3,402   | 4,443   | 1,019  | 106    | 27    | 187   | 263   | 286    |
| Tungsten—                                                                |         |         |         |         |         |         |        |        |       |       |       |        |
| Bonded for smelting, refining, and export (tungsten content), 1,000 lbs. |         |         |         | 414     | 361     | 816     |        |        |       | 96    | 120   | 368    |
| Ore and concentrates (tungsten content), 1,000 lbs.                      |         |         |         |         |         |         |        |        |       |       |       |        |
| Tungsten and combinations (tungsten content), 1,000 lbs.                 | 3,642   | 1,089   | 107     | 311     | 847     | 813     | 1,184  | 199    | 16    | 78    | 340   | 384    |
| Other ferro-alloying metals                                              |         |         |         |         |         |         | 662    | 47     | 3     | 30    | 72    | 78     |
| Vanadium ore, tons of 2,240 lbs.                                         | 5,609   |         |         |         | 1,566   | 425     | 662    | 639    | 266   | 712   | 758   | 1,016  |
| Other ores of ferro-alloying metals, 1,000 lbs.                          | 4,082   | 68,117  | 75,262  | 87,227  | 163,096 | 276,393 | 1543   | 177    | 288   | 226   | 146   | 40     |

<sup>1</sup> Average for years 1928-1930.<sup>2</sup> June 18 to Dec. 31, 1930.<sup>3</sup> Average for years 1927-30.

No. 524.—IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

("General imports", 1926 to 1932; "Imports for consumption" thereafter)

| Group and article                                                                   | Quantity  |         |         |         |         |         | Value in thousands of dollars |         |        |        |        |         |
|-------------------------------------------------------------------------------------|-----------|---------|---------|---------|---------|---------|-------------------------------|---------|--------|--------|--------|---------|
|                                                                                     | 1926-1930 | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931    | 1932   | 1933   | 1934   | 1935    |
| <b>GROUP 6.—METALS, ETC.—Continued.</b>                                             |           |         |         |         |         |         |                               |         |        |        |        |         |
| <b>F. Nonferrous metals, except precious</b>                                        |           |         |         |         |         |         | 264,198                       | 106,968 | 52,863 | 88,057 | 97,310 | 133,771 |
| Aluminum                                                                            |           |         |         |         |         |         | 13,082                        | 4,682   | 2,817  | 4,114  | 5,240  | 5,728   |
| Bauxite, crude..... tons of 2,240 lbs.                                              | 356,841   | 306,490 | 205,620 | 149,548 | 166,633 | 199,959 | 1,411                         | 1,496   | 1,043  | 900    | 1,202  | 1,449   |
| Metal, scrap, and alloys, crude..... 1,000 lbs.                                     | 51,676    | 13,804  | 8,005   | 15,078  | 18,372  | 21,076  | 10,714                        | 2,369   | 1,260  | 2,700  | 3,662  | 3,646   |
| Manufactures                                                                        |           |         |         |         |         |         |                               |         |        |        |        |         |
| Plates, sheets, bars, etc..... do.                                                  | 125       | 169     | 120     | 169     | 220     | 216     | 30                            | 42      | 20     | 47     | 63     | 49      |
| Wares and utensils..... do.                                                         | 139       | 116     | 127     | 102     | 97      | 82      | 72                            | 60      | 52     | 46     | 57     | 51      |
| Other manufactures                                                                  |           |         |         |         |         |         | 654                           | 615     | 432    | 423    | 357    | 533     |
| Copper..... 1,000 lbs.                                                              | 816,078   | 586,858 | 391,951 | 253,263 | 399,028 | 481,056 | 108,243                       | 48,744  | 23,736 | 14,834 | 27,788 | 33,213  |
| For smelting, refining, and export <sup>11</sup> —                                  |           |         |         |         |         |         |                               |         |        |        |        |         |
| Ore and concentrates (copper content)..... 1,000 lbs.                               |           |         |         | 14,854  | 22,378  | 56,072  |                               |         |        | 743    | 1,494  | 3,689   |
| Matte, regulus, black copper, and cement copper (copper content)..... 1,000 lbs.    |           |         |         | 116,031 | 142,859 | 5,778   |                               |         |        | 8,023  | 10,172 | 443     |
| Blister (copper content)..... do.                                                   |           |         |         | 97,031  | 198,779 | 384,593 |                               |         |        | 4,510  | 13,748 | 26,614  |
| Ores (copper content)..... do.                                                      | 107,634   | 23,680  | 14,015  | 121     | 18      | 18      | 12,510                        | 1,683   | 717    | 5      | 1      | 1       |
| Concentrates (copper content)..... do.                                              | 52,603    | 99,408  | 44,195  | 16,707  | 12,489  | 8,822   | 6,441                         | 7,146   | 2,567  | 873    | 617    | 532     |
| Regulus, coarse, metal, and cement copper (copper content)..... 1,000 lbs.          | 2,594     | 1,469   | 1,731   | 22      | (1)     |         | 301                           | 113     | 76     | 1      | (1)    |         |
| Unrefined, black, blister, and converter copper, in pigs, bars, etc..... 1,000 lbs. | 526,444   | 281,851 | 161,688 |         | 4,040   |         | 70,841                        | 24,055  | 9,216  |        | 269    |         |
| Refined copper..... do.                                                             | 115,760   | 174,450 | 167,794 | 8,462   | 18,417  | 26,773  | 16,841                        | 16,349  | 10,974 | 511    | 1,350  | 1,842   |
| Scrap, scale, and clippings..... do.                                                | 10,042    | 5,100   | 2,530   | 34      | 48      |         | 1,088                         | 278     | 101    | 3      | 3      |         |
| Other copper and copper manufactures, n.e.s.                                        |           |         |         |         |         |         | 220                           | 120     | 82     | 165    | 132    | 92      |
| Brass and bronze, and manufactures                                                  |           |         |         |         |         |         | 3,427                         | 1,441   | 668    | 525    | 497    | 526     |
| Old brass, etc., for remanufacture (gross weight)..... 1,000 lbs.                   | 9,993     | 4,423   | 2,517   | 81      | 486     | 380     | 822                           | 215     | 64     | 4      | 19     | 15      |
| Brass manufactures..... do.                                                         |           |         |         |         |         |         | 1,406                         | 598     | 246    | 208    | 195    | 250     |
| Bronze manufactures..... do.                                                        |           |         |         |         |         |         | 1,193                         | 628     | 358    | 313    | 283    | 202     |
| Lead (lead content)..... 1,000 lbs.                                                 | 267,480   | 106,008 | 69,406  | 67,815  | 38,055  | 32,656  | 15,181                        | 3,805   | 1,738  | 2,642  | 1,034  | 741     |
| For smelting, or refining, and export <sup>11</sup> —                               |           |         |         |         |         |         |                               |         |        |        |        |         |
| Ore and concentrates (lead content)..... do.                                        |           |         |         | 23,442  | 8,298   | 7,397   |                               |         |        | 1,212  | 150    | 108     |
| Bullion or base bullion..... do.                                                    |           |         |         | 5,048   | 2,837   | 2,283   |                               |         |        | 151    | 70     | 62      |
| Ore and matte (lead content)..... do.                                               | 78,151    | 41,776  | 42,002  | 38,478  | 21,520  | 16,545  | 4,409                         | 1,413   | 1,004  | 1,154  | 559    | 259     |
| Bullion or base bullion (lead content)..... 1,000 lbs.                              | 178,695   | 64,640  | 26,924  | 613     | 4,439   | 2,307   | 9,212                         | 1,616   | 519    | 32     | 118    | 67      |

|                                                                                                            |         |         |        |         |         |         |        |        |        |                   |                   |                   |
|------------------------------------------------------------------------------------------------------------|---------|---------|--------|---------|---------|---------|--------|--------|--------|-------------------|-------------------|-------------------|
| Pigs, bars, old and scrap <sup>22</sup> .....do.....                                                       | 6,005   | 20      | 87     | 91      | 569     | 3,181   | 420    | 2      | 2      | 2                 | 11                | 100               |
| Babbitt metal, solder, etc. (lead content) <sup>24</sup> .....do.....                                      | 1,345   | 620     | 382    | 3       | 204     | 48      | 684    | 437    | 144    | 2                 | 72                | 44                |
| Type metal and an- (gross weight).....do.....                                                              | 3,965   | 1,120   | 13     | 742     | 224     | 1,069   | 276    | 28     | 1      | 30                | 7                 | 36                |
| tinomial lead.....do.....                                                                                  | 3,265   | 952     | 11     | 139     | 188     | 890     |        |        |        |                   |                   |                   |
| Manufactures of lead, n.e.s. (except type metal).....do.....                                               |         |         |        |         |         |         | 180    | 109    | 69     | 59                | 48                | 64                |
| Nickel.....do.....                                                                                         |         |         |        |         |         |         | 13,004 | 7,680  | 4,680  | 10,762            | 13,481            | 17,182            |
| Ore and matte.....1,000 lbs.....                                                                           | 18,709  | 11,630  | 5,918  | 19,220  | 11,846  | 15,924  | 1,747  | 1,531  | 775    | 2,523             | 1,809             | 2,087             |
| Nickel oxide.....do.....                                                                                   | 1,772   | 305     | 688    | 2,019   | 950     | 913     | 276    | 48     | 120    | 374               | 185               | 164               |
| Nickel and alloys in pigs, etc.....do.....                                                                 | 42,068  | 23,862  | 14,923 | 31,621  | 45,800  | 58,869  | 10,794 | 6,060  | 3,733  | 7,850             | 11,616            | 14,877            |
| Nickel in bars, plates, sheets, etc., and manufactures.....do.....                                         |         |         |        |         |         |         | 187    | 41     | 32     | 16                | 22                | 53                |
| Tin.....do.....                                                                                            |         |         |        |         |         |         | 116    | 7      | 4      | 11                | 1                 | 106               |
| Ore (tin content).....tons of 2,240 lbs.....                                                               | 194     | 30      | 17     | 24      | 2       | 178     | 88,943 | 36,724 | 16,474 | 51,241            | 44,801            | 69,815            |
| Bars, blocks, pigs, etc.....1,000 lbs.....                                                                 | 176,571 | 147,984 | 77,995 | 142,727 | 89,568  | 143,938 |        |        |        |                   |                   |                   |
| Zinc.....do.....                                                                                           |         |         |        |         |         |         |        |        |        |                   |                   |                   |
| Bonded, for smelting, refining, and export (zinc content) <sup>21</sup> .....1,000 lbs.....                |         |         |        | 3,621   | 8,364   | 8,679   |        |        |        | 73                | 116               | 194               |
| Ore (zinc content).....do.....                                                                             | 26,657  | 1,560   | 3,808  | 2,922   | 13,472  | 13,841  | 1,118  | 40     | 72     | 134               | 185               | 303               |
| Blocks, pigs, etc., and old.....do.....                                                                    | 262     | 549     | 622    | 3,781   | 3,461   | 8,947   | 12     | 15     | 20     | 127               | 113               | 271               |
| Zinc sheets, dust, and other manufactures.....do.....                                                      |         |         |        |         |         |         | 106    | 25     | 18     | 17                | 17                | 13                |
| Antimony.....do.....                                                                                       |         |         |        |         |         |         |        |        |        |                   |                   |                   |
| Ore (gross weight).....1,000 lbs.....                                                                      | 5,839   | 28,030  | 7,357  | 10,891  | 16,911  | 28,410  | 268    | 260    | 74     | 107               | 159               | 545               |
| Ore (antimony content).....do.....                                                                         | 3,394   | 9,726   | 2,657  | 4,256   | 5,783   | 9,175   |        |        |        |                   |                   |                   |
| Needle or liquated and regulus or metal.....do.....                                                        | 24,146  | 10,391  | 4,007  | 5,282   | 4,364   | 5,199   |        |        |        |                   |                   |                   |
| Cobalt.....do.....                                                                                         |         |         |        |         |         |         | 2,173  | 445    | 122    | 180               | 185               | 416               |
| Ore.....do.....                                                                                            | 711     | 249     | 27     | 556     | 1,188   | 419     | 1,138  | 263    | 13     | 117               | 198               | 47                |
| Metal.....do.....                                                                                          |         |         |        |         |         |         |        |        |        |                   |                   |                   |
| Quicksilver or mercury.....do.....                                                                         |         |         |        |         |         |         |        |        |        |                   |                   |                   |
| Other ores, metals, and alloys, n.e.s.....do.....                                                          | 1,285   | 27      | 617    | 1,544   | 775     | 594     | 1,495  | 33     | 231    | 690               | 481               | 382               |
| Manufactures of metals, n.e.s.....do.....                                                                  |         |         |        |         |         |         | 794    | 255    | 104    | 191               | 278               | 867               |
|                                                                                                            |         |         |        |         |         |         | 5,096  | 2,840  | 1,965  | 1,960             | 2,189             | 2,738             |
| G. Precious metals, jewelry, and plated ware, except gold and silver in ore, bullion, and coin.....do..... |         |         |        |         |         |         | 19,308 | 6,268  | 3,408  | 6,617             | 6,944             | 7,484             |
| Gold and silver sweepings.....do.....                                                                      |         |         |        |         |         |         | 299    | 167    | 440    | ( <sup>23</sup> ) | ( <sup>24</sup> ) | ( <sup>25</sup> ) |
| Platinum.....oz. troy.....                                                                                 | 114,667 | 91,728  | 33,218 | 111,283 | 133,296 | 122,550 | 8,432  | 2,589  | 964    | 2,945             | 3,387             | 3,343             |
| Ores of platinum metal (platinum content).....do.....                                                      |         |         |        |         |         |         |        |        |        |                   |                   |                   |
| Grains, nuggets, sponge or scrap.....oz. troy.....                                                         | 494     | 1,097   | 160    | 5       |         | 688     | 43     | 27     | 5      | ( <sup>1</sup> )  |                   | 14                |
| Ingot, bars, sheets or plates, etc.....do.....                                                             | 82,269  | 67,078  | 25,440 | 71,511  | 119,469 | 61,159  | 5,858  | 1,905  | 722    | 1,820             | 2,925             | 1,480             |
| Platinum metals and native combinations.....do.....                                                        | 31,904  | 23,568  | 7,618  | 39,767  | 13,829  | 60,703  | 2,531  | 657    | 237    | 1,126             | 462               | 1,849             |
| Iridium.....oz. troy.....                                                                                  | 4,183   | 1,773   | 1,397  | 5,613   | 2,922   | 5,456   | 631    | 196    | 69     | 207               | 121               | 245               |
| Osmium and osmiridium.....do.....                                                                          | 6,896   | 5,837   | 5,328  | 5,667   | 5,403   | 4,699   | 409    | 275    | 193    | 158               | 134               | 119               |
| Palladium.....do.....                                                                                      | 14,168  | 28,070  | 15,445 | 37,790  | 29,964  | 26,579  | 595    | 390    | 168    | 574               | 442               | 400               |
| Rhodium and ruthenium.....do.....                                                                          | 2,708   | 2,224   | 661    | 1,827   | 2,734   | 4,865   | 106    | 80     | 22     | 55                | 73                | 121               |

<sup>1</sup> Less than 500.<sup>20</sup> Not including pounds of copper manufactures, n. e. s.<sup>21</sup> Not classified separately prior to 1933; included with the several general import classes shown below.<sup>22</sup> Not including pounds of "lead manufactures, n. e. s."<sup>23</sup> "Pigs and bars" prior to Jan. 1, 1927.<sup>24</sup> "Scrap lead, Babbitt metal solder, etc." prior to Jan. 1, 1927.<sup>25</sup> Gold and silver sweepings have been included since 1932 with imports of gold ore, bullion, and coin shown in tables 491 and 501.

No. 524.—IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

| Group and article                                                               | Quantity  |        |         |         |        |         | Value in thousands of dollars |        |       |       |        |        |
|---------------------------------------------------------------------------------|-----------|--------|---------|---------|--------|---------|-------------------------------|--------|-------|-------|--------|--------|
|                                                                                 | 1926-1930 | 1931   | 1932    | 1933    | 1934   | 1935    | 1926-1930                     | 1931   | 1932  | 1933  | 1934   | 1935   |
| GROUP 6.—METALS, ETC.—Continued                                                 |           |        |         |         |        |         |                               |        |       |       |        |        |
| G. Precious metals, jewelry, etc.—Continued.                                    |           |        |         |         |        |         |                               |        |       |       |        |        |
| Jewelry.....                                                                    |           |        |         |         |        |         | 2,950                         | 944    | 534   | 259   | 194    | 188    |
| Metal articles and materials for personal use and adornment.....                |           |        |         |         |        |         | 1,343                         | 162    | 147   | 117   | 75     | 108    |
| Rosaries, chaplets, and similar articles.....                                   |           |        |         |         |        |         |                               |        |       |       |        |        |
| 1,000 doz.....                                                                  | 166       | 242    | 228     | 212     | 315    | 451     | 180                           | 110    | 85    | 94    | 151    | 189    |
| Lahn, tinsel threads, bullion, etc.....                                         | 1,263     | 329    | 183     | 188     | 458    | 704     | 1,353                         | 219    | 156   | 212   | 900    | 1,320  |
| Brads, fabrics, laces, etc.....                                                 |           |        |         |         |        |         | 1,327                         | 343    | 132   | 219   | 438    | 431    |
| Other manufactures and plated articles.....                                     |           |        |         |         |        |         | 1,523                         | 308    | 406   | 777   | 1,029  | 1,021  |
| GROUP 7.—MACHINERY AND VEHICLES                                                 |           |        |         |         |        |         |                               |        |       |       |        |        |
| Total.....                                                                      |           |        |         |         |        |         | 31,233                        | 16,724 | 8,493 | 8,551 | 11,799 | 14,524 |
| A. Electrical machinery and apparatus.....                                      |           |        |         |         |        |         | 2,794                         | 2,911  | 1,949 | 1,506 | 1,782  | 2,108  |
| Electric lamps—incandescent—                                                    |           |        |         |         |        |         |                               |        |       |       |        |        |
| Carbon filament..... thousands.....                                             | 27,624    | 1,599  | 170     | 170     | 71     | 228     | 1,023                         | 55     | 4     | 2     | 1      | 5      |
| Other..... do.....                                                              | 9,646     | 68,613 | 113,867 | 116,621 | 92,849 | 104,447 | 340                           | 1,370  | 1,163 | 769   | 845    | 982    |
| Vacuum cleaners..... do.....                                                    |           |        | 3       | 2       | 2      | 2       |                               |        | 22    | 14    | 22     | 50     |
| Brass bases for electric-lamp bulbs..... do.....                                |           |        |         | 9,499   | 8,453  | 14,253  | 1,431                         | 1,486  | 760   | 14    | 13     | 22     |
| Other electrical machinery and apparatus.....                                   |           |        |         |         |        |         |                               |        |       | 707   | 801    | 1,049  |
| B, C, D. Industrial, office, and printing machinery.....                        |           |        |         |         |        |         | 18,604                        | 7,988  | 4,880 | 5,224 | 7,118  | 6,801  |
| Engines and parts n. e. s.....                                                  |           |        |         |         |        |         | 584                           | 295    | 227   | 206   | 335    | 319    |
| Metal-working machine tools and parts.....                                      |           |        |         |         |        |         | 773                           | 268    | 233   | 117   | 310    | 434    |
| Textile machinery.....                                                          |           |        |         |         |        |         | 6,068                         | 1,898  | 1,310 | 1,405 | 1,246  | 1,302  |
| Embroidery, lace, and lace-curtain machines and parts.....                      |           |        |         |         |        |         | 123                           | 109    | 131   | 75    | 65     | 190    |
| Hosiery-knitting machines and parts.....                                        |           |        |         |         |        |         |                               | 634    | 364   | 212   | 265    | 287    |
| Other knitting, braiding, and insulating machines and parts.....                |           |        |         |         |        |         | 3,547                         |        |       |       |        |        |
| Cotton-manufacturing machinery and parts.....                                   |           |        |         |         |        |         | 413                           | 126    | 61    | 144   | 60     | 51     |
| Wool-manufacturing machinery and parts.....                                     |           |        |         |         |        |         | 368                           | 130    | 72    | 146   | 109    | 73     |
| Other textile machinery and parts.....                                          |           |        |         |         |        |         | 1,616                         | 148    | 66    | 142   | 61     | 97     |
| Sewing machines and parts.....                                                  |           |        |         |         |        |         | 445                           | 751    | 616   | 686   | 688    | 605    |
| Antifriction balls, rollers, and bearings.....                                  |           |        |         |         |        |         |                               | 174    | 160   | 223   | 197    | 206    |
| 1,000 lbs.....                                                                  | 1,267     | 647    | 272     | 453     | 848    | 990     | 1,039                         | 392    | 150   | 274   | 698    | 688    |
| Cream separators, over \$50 each, and other centrifugal machines and parts..... |           |        |         |         |        |         | 186                           | 147    | 94    | 61    | 125    | 179    |

|                                                                        |         |         |         |         |         |         |          |         |         |         |         |         |
|------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|
| Other industrial, office, and printing machinery                       |         |         |         |         |         |         | 9, 673   | 4, 814  | 2, 715  | 2, 934  | 4, 206  | 3, 772  |
| <b>E. Agricultural machinery and implements</b>                        |         |         |         |         |         |         | 6, 870   | 3, 287  | 888     | 1, 082  | 1, 921  | 4, 597  |
| Cream separators, not over \$50 each—number                            | 27, 554 | 4, 624  | 2, 045  | 7, 508  | 11, 597 | 21, 801 | 597      | 74      | 36      | 146     | 237     | 442     |
| Plows and cultivators—do                                               | 6, 632  | 1, 435  | 525     | 613     | 1, 729  | 2, 706  | 543      | 129     | 39      | 129     | 120     | 188     |
| Tractors—do                                                            | 3 23    | 2, 098  | 18      | 69      | 364     | 1, 536  | 3 14     | 1, 259  | 11      | 34      | 151     | 738     |
| Headers, harvesters, and reapers—do                                    | 4 651   | 123     | 37      | 14      | 62      | 856     | 4 465    | 100     | 20      | 3       | 20      | 293     |
| All other, including agricultural vehicles                             |         |         |         |         |         |         | 5, 340   | 1, 705  | 883     | 760     | 1, 393  | 2, 937  |
| <b>F. Automobiles and other vehicles, except agricultural</b>          |         |         |         |         |         |         | 3, 185   | 2, 479  | 641     | 759     | 979     | 918     |
| Trucks, busses, and passenger automobiles—number                       | 694     | 736     | 540     | 536     | 589     | 591     | 1, 168   | 769     | 251     | 307     | 188     | 281     |
| Parts of automobiles, except tires and glass                           |         |         |         |         |         |         | 1, 341   | 465     | 229     | 109     | 172     | 229     |
| Airplanes, hydroplanes, etc                                            |         |         |         |         |         |         | 3 44     | 89      | 24      | 9       | 15      | 105     |
| Motor boats and parts                                                  |         |         |         |         |         |         | 3 134    | 1, 086  | 69      | 228     | 451     | 33      |
| Other vehicles and parts                                               |         |         |         |         |         |         | 621      | 70      | 66      | 105     | 153     | 270     |
| <b>GROUP 8.—CHEMICALS AND RELATED PRODUCTS</b>                         |         |         |         |         |         |         |          |         |         |         |         |         |
| Total                                                                  |         |         |         |         |         |         | 182, 811 | 82, 738 | 47, 852 | 58, 287 | 85, 117 | 68, 716 |
| <b>A. Coal-tar chemicals</b>                                           |         |         |         |         |         |         | 21, 370  | 11, 164 | 9, 158  | 9, 589  | 11, 847 | 13, 588 |
| Coal-tar products, crude—                                              |         |         |         |         |         |         |          |         |         |         |         |         |
| Dead or creosote oil—1,000 gals                                        | 83, 608 | 36, 885 | 20, 300 | 18, 588 | 31, 774 | 34, 513 | 11, 802  | 3, 598  | 2, 647  | 1, 131  | 2, 835  | 3, 537  |
| Other crude coal-tar products—do                                       |         |         |         |         |         |         | 1, 403   | 793     | 577     | 971     | 1, 348  | 1, 224  |
| Intermediates—                                                         |         |         |         |         |         |         |          |         |         |         |         |         |
| Acids—1,000 lbs                                                        | 1, 415  | 817     | 833     | 355     | 172     | 137     | 159      | 80      | 202     | 292     | 184     | 140     |
| All other intermediates—do                                             | 1, 525  | 875     | 936     | 1, 504  | 1, 791  | 1, 925  | 1, 035   | 599     | 584     | 1, 245  | 1, 791  | 2, 307  |
| Finished products—                                                     |         |         |         |         |         |         |          |         |         |         |         |         |
| Colors, dyes, stains, color acids, and color bases, n. e. s.—1,000 lbs | 5, 863  | 4, 944  | 4, 245  | 4, 877  | 4, 241  | 4, 806  | 6, 492   | 5, 512  | 4, 688  | 5, 676  | 5, 456  | 6, 034  |
| Coal-tar medicinals—do                                                 | 108     | 39      | 30      | 20      | 14      | 20      | 270      | 252     | 164     | 84      | 74      | 83      |
| Other finished coal-tar products—do                                    | 86      | 101     | 93      | 71      | 72      | 142     | 210      | 330     | 296     | 190     | 168     | 232     |
| <b>B. Medicinal and pharmaceutical preparations</b>                    |         |         |         |         |         |         | 5, 673   | 3, 792  | 2, 530  | 3, 568  | 4, 237  | 4, 188  |
| Quinine sulphate—1,000 oz                                              | 1, 805  | 1, 499  | 462     | 1, 639  | 1, 611  | 1, 390  | 668      | 498     | 164     | 558     | 688     | 642     |
| Other quinine and alkaloids and salts from cinchona bark—1,000 oz      | 1, 125  | 755     | 321     | 1, 256  | 1, 759  | 2, 423  | 403      | 292     | 94      | 357     | 647     | 418     |
| Other alkaloids, salts, and derivatives                                |         |         |         |         |         |         | 240      | 136     | 104     | 167     | 173     | 148     |
| Antitoxins, serums, vaccines, etc., and blistering beetles             |         |         |         |         |         |         | 6        | 3       | 1       | 2       | 4       | 4       |
| Menthol—1,000 lbs                                                      | 337     | 326     | 351     | 283     | 425     | 282     | 1, 469   | 878     | 734     | 585     | 848     | 854     |
| Other medicinals                                                       |         |         |         |         |         |         | 486      | 145     | 56      | 572     | 318     | 920     |
| Preparations in capsules, pills, tablets, etc                          |         |         |         |         |         |         |          |         |         | 625     | 622     | 539     |
| All other preparations, n. e. s.                                       |         |         |         |         |         |         | 2, 300   | 2, 020  | 1, 387  | 702     | 942     | 752     |
| <b>C. Industrial chemicals</b>                                         |         |         |         |         |         |         | 26, 541  | 16, 507 | 13, 619 | 17, 064 | 17, 479 | 16, 146 |
| Acetylene, butylene, ethylene, and propylene derivatives—1,000 lbs     | 3 282   | 3 567   | 334     | 1, 112  | 607     | 1, 171  | 3 29     | 73      | 37      | 98      | 129     | 264     |

<sup>3</sup> June 18 to Dec. 31, 1930.<sup>4</sup> Average for years 1929 and 1930.



No. 524.—IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

| Group and article                                   | Quantity  |         |         |         |         |         | Value in thousands of dollars |        |        |        |        |        |
|-----------------------------------------------------|-----------|---------|---------|---------|---------|---------|-------------------------------|--------|--------|--------|--------|--------|
|                                                     | 1926-1930 | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931   | 1932   | 1933   | 1934   | 1935   |
| <b>GROUP 8.—CHEMICALS AND RELATED PRODUCTS—Con.</b> |           |         |         |         |         |         |                               |        |        |        |        |        |
| <b>C. Industrial chemicals—Continued.</b>           |           |         |         |         |         |         |                               |        |        |        |        |        |
| Acids and anhydrides—                               |           |         |         |         |         |         |                               |        |        |        |        |        |
| Arsenious acid or white arsenic.....1,000 lbs.      | 22, 124   | 15, 581 | 13, 765 | 21, 167 | 28, 220 | 30, 150 | 781                           | 451    | 367    | 513    | 708    | 737    |
| Formic.....do                                       | 1, 937    | 140     | 139     | 249     | 137     | 362     | 143                           | 8      | 8      | 13     | 8      | 27     |
| Oxalic.....do                                       | 1, 244    | 489     | 265     | 121     | 73      | 78      | 64                            | 26     | 13     | 6      | 4      | 4      |
| Sulphuric (oil of vitriol).....do                   | 26, 852   | 2, 344  | 1, 498  | 2, 040  | 1, 849  | 2, 100  | 160                           | 22     | 11     | 19     | 13     | 15     |
| Tartaric.....do                                     | 2, 293    | 2, 246  | 1, 818  | 590     | 81      | 15      | 611                           | 477    | 298    | 103    | 18     | 3      |
| Acetic or pyroligneous.....do                       | 25, 806   | 15, 292 | 13, 976 | 32, 759 | 29, 817 | 35, 096 | 1, 608                        | 803    | 843    | 2, 070 | 1, 853 | 2, 079 |
| All other.....do                                    | 10, 430   | 1, 332  | 1, 191  | 2, 650  | 1, 928  | 1, 829  | 953                           | 235    | 182    | 400    | 446    | 434    |
| Alcohols, including fusel oil.....do                |           |         |         |         |         |         | 379                           | 11     | 11     | 14     | 8      | 26     |
| Ammonium compounds—                                 |           |         |         |         |         |         |                               |        |        |        |        |        |
| Chloride (muriate).....1,000 lbs.                   | 11, 461   | 5, 672  | 4, 431  | 6, 304  | 6, 159  | 7, 855  | 394                           | 162    | 114    | 154    | 154    | 187    |
| Nitrate.....do                                      | 10, 079   | 6, 706  | 6, 415  | 7, 901  | 5, 111  | 3, 517  | 395                           | 192    | 146    | 134    | 76     | 54     |
| All other.....do                                    | 1, 201    | 526     | 215     | 828     | 503     | 623     | 60                            | 30     | 10     | 71     | 51     | 63     |
| Barium compounds.....do                             | 13, 772   | 4, 186  | 1, 780  | 1, 628  | 1, 703  | 1, 881  | 203                           | 95     | 39     | 62     | 69     | 61     |
| Calcium compounds, n. e. s.....do                   | 6, 915    | 413     | 465     | 691     | 708     | 482     | 265                           | 15     | 11     | 16     | 17     | 10     |
| Cellulose products, n. e. s.....do                  | 3, 359    | 263     | 207     | 178     | 149     | 413     | 228                           | 281    | 167    | 142    | 124    | 221    |
| Cobalt oxide.....do                                 | 394       | 322     | 226     | 568     | 329     | 557     | 737                           | 391    | 220    | 414    | 258    | 503    |
| Copper sulphate (blue vitriol) gross wgt.....do     | 3, 901    | 2, 644  | 3, 307  | 47      |         | 46      | 187                           | 105    | 91     | 2      |        | 1      |
| Lime, chlorinated, or bleaching powder.....do       | 2, 961    | 2, 017  | 2, 252  | 1, 907  | 1, 635  | 2, 772  | 76                            | 60     | 62     | 61     | 57     | 76     |
| Glycerin.....do                                     | 21, 122   | 12, 107 | 7, 716  | 9, 249  | 17, 295 | 3, 290  | 2, 669                        | 668    | 345    | 414    | 1, 249 | 665    |
| Crude.....do                                        | 14, 717   | 10, 131 | 5, 382  | 6, 473  | 15, 081 | 8, 221  | 1, 617                        | 526    | 204    | 247    | 1, 040 | 657    |
| Refined.....do                                      | 6, 406    | 1, 976  | 2, 334  | 2, 776  | 2, 214  | 69      | 1, 051                        | 142    | 141    | 167    | 209    | 8      |
| Iodine, crude.....do                                | 696       | 279     | 632     | 1, 412  | 1, 431  | 376     | 2, 330                        | 998    | 2, 226 | 2, 936 | 2, 135 | 421    |
| Magnesium compounds.....do                          | 19, 446   | 11, 926 | 11, 479 | 11, 457 | 9, 729  | 7, 686  | 222                           | 198    | 146    | 160    | 151    | 121    |
| Potassium compounds—                                |           |         |         |         |         |         |                               |        |        |        |        |        |
| Carbonate.....do                                    | 16, 502   | 15, 167 | 10, 457 | 13, 476 | 13, 006 | 4, 125  | 759                           | 664    | 429    | 663    | 802    | 232    |
| Chlorate and perchlorate.....do                     | 13, 624   | 12, 416 | 11, 404 | 13, 675 | 10, 801 | 14, 317 | 495                           | 439    | 416    | 576    | 594    | 752    |
| Cream of tartar.....do                              | 190       | 93      | 37      | 2       | (1)     | (1)     | 33                            | 16     | 4      | (1)    | (1)    | (1)    |
| Cyanide.....do                                      | 158       | 94      | 54      | 86      | 81      | 99      | 47                            | 34     | 19     | 31     | 33     | 39     |
| Hydroxide (caustic potash).....do                   | 12, 870   | 8, 629  | 4, 979  | 6, 735  | 4, 016  | 3, 427  | 773                           | 452    | 268    | 304    | 259    | 226    |
| Argols, tartar and wine lees.....do                 | 19, 890   | 19, 314 | 18, 108 | 13, 494 | 13, 979 | 16, 368 | 1, 872                        | 1, 605 | 996    | 721    | 885    | 903    |
| Other potassium compounds, n. e. s.....do           | 11, 320   | 7, 067  | 2, 692  | 2, 874  | 3, 319  | 2, 756  | 553                           | 341    | 193    | 194    | 202    | 195    |
| Sodium compounds—                                   |           |         |         |         |         |         |                               |        |        |        |        |        |
| Cyanide.....do                                      | 33, 686   | 18, 695 | 17, 585 | 21, 934 | 20, 530 | 26, 540 | 2, 668                        | 1, 711 | 1, 729 | 2, 023 | 2, 016 | 2, 030 |
| Ferrocyanide (yellow prussiate).....do              | 1, 551    | 1, 185  | 1, 354  | 611     | 1, 121  | 663     | 128                           | 102    | 118    | 51     | 95     | 52     |
| Nitrite.....do                                      | 540       | 2       | 3       | 4       | 2       | 10      | 20                            | (1)    | 1      | 1      | (1)    | 1      |

|                                                                                                                        |         |         |         |         |         |         |        |        |        |        |        |
|------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| Sulphate (salt cake).....do                                                                                            | 145,493 | 122,247 | 198,538 | 179,402 | 220,759 | 1,951   | 804    | 644    | 885    | 799    | 959    |
| Chlorate.....do                                                                                                        |         | 707     | 1,108   | 1,909   | 2,533   |         |        | 26     | 39     | 82     | 162    |
| Sulphate anhydrous.....do                                                                                              |         |         | 20,742  | 16,818  | 11,576  |         |        |        | 180    | 161    | 114    |
| All other, n. e. s.....do                                                                                              |         |         |         |         |         |         |        |        | 393    | 253    | 401    |
| Radium salts.....grains                                                                                                | 198     | 207     | 141     | 179     | 339     | 608     | 676    | 479    | 576    | 1,082  | 526    |
| All other industrial chemicals.....do                                                                                  |         |         |         |         |         | 5,236   | 3,631  | 2,508  | 2,535  | 2,700  | 2,689  |
| <b>D. Pigments, paints, and varnishes</b>                                                                              |         |         |         |         |         | 3,556   | 2,012  | 1,445  | 2,020  | 1,895  | 2,109  |
| Mineral earth pigments                                                                                                 |         |         |         |         |         |         |        |        |        |        |        |
| Iron oxide and iron hydroxide pigments                                                                                 |         |         |         |         |         |         |        |        |        |        |        |
| 1,000 lbs.....do                                                                                                       | 23,801  | 12,087  | 9,709   | 13,243  | 13,462  | 567     | 255    | 171    | 258    | 292    | 442    |
| Ochers and siennas.....do                                                                                              | 19,965  | 11,995  | 7,728   | 11,289  | 9,185   | 392     | 191    | 108    | 173    | 180    | 254    |
| Other.....do                                                                                                           |         |         |         |         |         | 610     | 420    | 238    | 322    | 261    | 372    |
| Chemical pigments                                                                                                      |         |         |         |         |         |         |        |        |        |        |        |
| Lithopone and other zinc pigments                                                                                      |         |         |         |         |         |         |        |        |        |        |        |
| 1,000 lbs.....do                                                                                                       | 19,177  | 11,354  | 9,447   | 11,192  | 7,854   | 886     | 429    | 272    | 313    | 220    | 257    |
| Zinc oxide and leaded zinc oxide.....do                                                                                | 1,246   | 2,014   | 5,345   | 5,081   | 2,534   | 90      | 180    | 242    | 247    | 149    | 205    |
| All other.....do                                                                                                       |         | 3,806   | 2,069   | 2,069   | 2,740   | 516     | 251    | 167    | 184    | 239    | 272    |
| Paints, stains, and enamels.....do                                                                                     |         |         |         |         |         | 608     | 246    | 212    | 490    | 330    | 287    |
| Varnishes.....1,000 gals                                                                                               | 32      | 14      | 30      | 31      | 9       | 67      | 31     | 35     | 32     | 24     | 20     |
| <b>E. Fertilizers and materials</b> .....1,000 tons of 2,240 lbs                                                       | 2,162   | 1,446   | 887     | 1,225   | 1,247   | 1,374   | 67,987 | 45,441 | 18,689 | 24,574 | 28,089 |
| Nitrogenous                                                                                                            |         |         |         |         |         |         |        |        |        |        |        |
| Sulphate of ammonia.....tons of 2,240 lbs                                                                              | 24,040  | 114,285 | 307,311 | 351,254 | 185,301 | 79,062  | 1,003  | 3,196  | 5,410  | 6,179  | 3,656  |
| Ammonium sulphate nitrate.....do                                                                                       | 38,249  | 3,193   |         | 1       |         | 31,531  | 2,175  | 176    |        | (1)    | 753    |
| Calcium cyanamide or lime nitrogen                                                                                     |         |         |         |         |         |         |        |        |        |        |        |
| tons of 2,240 lbs                                                                                                      | 132,442 | 51,314  | 62,543  | 63,842  | 82,458  | 100,233 | 4,802  | 1,537  | 1,028  | 1,416  | 1,893  |
| Calcium nitrate.....do                                                                                                 | 25,143  | 28,761  | 6,860   | 17,312  | 31,904  | 23,143  | 1,052  | 927    | 148    | 294    | 568    |
| Guano.....do                                                                                                           | 28,783  | 13,849  | 24,231  | 59,772  | 16,638  | 16,219  | 1,247  | 504    | 490    | 1,118  | 337    |
| Dried blood.....do                                                                                                     | 10,804  | 8,835   | 3,739   | 6,380   | 3,727   | 9,019   |        | 679    | 359    | 92     | 151    |
| Sodium nitrate.....do                                                                                                  | 839,008 | 550,613 | 50,430  | 122,866 | 293,527 | 390,785 | 33,252 | 21,112 | 1,472  | 2,343  | 5,672  |
| Tankage #.....do                                                                                                       | 24,571  |         |         |         |         |         | 369    |        |        |        |        |
| Urea and calurea.....do                                                                                                | 7,932   | 7,131   | 3,829   | 6,043   | 5,383   | 4,013   | 714    | 301    | 500    | 462    | 410    |
| All other.....do                                                                                                       | 75,433  | 49,089  | 33,708  | 61,637  | 130,179 | 96,338  | 2,352  | 1,530  | 821    | 1,092  | 2,808  |
| Phosphates                                                                                                             |         |         |         |         |         |         |        |        |        |        |        |
| Bone ash, dust, and meal and other animal                                                                              |         |         |         |         |         |         |        |        |        |        |        |
| carbon for fertilizers.....tons of 2,240 lbs                                                                           | 59,864  | 48,979  | 30,113  | 28,500  | 15,948  | 18,860  | 1,717  | 1,080  | 509    | 520    | 309    |
| Other phosphate materials.....do                                                                                       | 41,056  | 21,743  | 37,141  | 32,293  | 16,439  | 25,320  | 461    | 291    | 433    | 399    | 248    |
| Potash fertilizers                                                                                                     |         |         |         |         |         |         |        |        |        |        |        |
| Chloride, crude (muriate of potash).....do                                                                             | 220,168 | 180,639 | 78,368  | 105,538 | 126,964 | 234,259 | 7,554  | 6,518  | 2,795  | 3,792  | 3,672  |
| Kainite.....do                                                                                                         | 115,972 | 55,329  | 49,374  | 101,989 | 114,900 | 74,007  | 908    | 505    | 457    | 968    | 1,116  |
| Manure salts.....do                                                                                                    | 350,349 | 179,428 | 100,927 | 113,121 | 78,281  | 85,324  | 4,496  | 2,583  | 1,255  | 1,329  | 1,029  |
| Sulphate, crude.....do                                                                                                 | 78,300  | 56,842  | 28,071  | 59,325  | 61,786  | 86,336  | 3,455  | 2,628  | 1,202  | 2,262  | 1,950  |
| Nitrate, crude, or saltpeter.....do                                                                                    | 9,800   | 15,609  | 17,067  | 26,593  | 31,614  | 40,408  | 459    | 708    | 831    | 880    | 1,071  |
| Other potash-bearing substances.....do                                                                                 | 13,943  | 488     | 351     | 449     | 352     | 243     | 217    | 4      | 3      | 6      | 3      |
| Fertilizers, compounded or chemically combined, containing nitrogen, phosphoric acid, and potash.....tons of 2,240 lbs | 2,7,098 | 10,944  | 3,346   | 1,875   | 1,916   | 2,407   | 495    | 645    | 185    | 92     | 126    |
| All other fertilizers.....do                                                                                           | 66,673  | 48,896  | 49,245  | 67,632  | 49,087  | 56,725  | 1,134  | 569    | 659    | 1,189  | 928    |

<sup>1</sup> Less than 500.<sup>2</sup> Average for years 1928-30.<sup>3</sup> June 18 to Dec. 31, 1930.<sup>4</sup> Average for years 1929 and 1930.<sup>5</sup> Average for years 1927-30.<sup>6</sup> Classified as an inedible animal product beginning June 18, 1930.

# No. 524.—IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

| Group and article                                                                    | Quantity       |         |         |         |         |         | Value in thousands of dollars |         |        |        |        |        |
|--------------------------------------------------------------------------------------|----------------|---------|---------|---------|---------|---------|-------------------------------|---------|--------|--------|--------|--------|
|                                                                                      | 1926-1930      | 1931    | 1932    | 1933    | 1934    | 1935    | 1926-1930                     | 1931    | 1932   | 1933   | 1934   | 1935   |
| <b>GROUP 8.—CHEMICALS AND RELATED PRODUCTS—Con.</b>                                  |                |         |         |         |         |         |                               |         |        |        |        |        |
| <b>F. Explosives</b>                                                                 |                |         |         |         |         |         | 1,022                         | 566     | 371    | 287    | 593    | 827    |
| Powder and other explosives                                                          |                |         |         |         |         |         | 146                           | 132     | 7      | 11     | 21     | 5      |
| Firecrackers                                                                         | 1,000 lbs.     | 4,272   | 2,614   | 2,307   | 1,887   | 3,155   | 782                           | 396     | 346    | 243    | 549    | 792    |
| Fireworks and ammunition                                                             |                |         |         |         |         |         | 94                            | 38      | 19     | 13     | 24     | 30     |
| <b>G. Soap and toilet preparations</b>                                               |                |         |         |         |         |         | 6,739                         | 3,064   | 2,038  | 2,205  | 3,238  | 3,388  |
| Soap                                                                                 |                |         |         |         |         |         |                               |         |        |        |        |        |
| Castile                                                                              | 1,000 lbs.     | 3,013   | 2,754   | 1,770   | 1,937   | 1,822   | 361                           | 254     | 138    | 178    | 212    | 232    |
| Toilet                                                                               | do             | 1,765   | 1,324   | 1,252   | 503     | 421     | 552                           | 376     | 315    | 153    | 161    | 163    |
| Other                                                                                | do             | 1,033   | 1,604   | 1,740   | 1,199   | 9,810   | 214                           | 184     | 125    | 108    | 387    | 767    |
| Perfume materials                                                                    |                |         |         |         |         |         | 3,228                         | 1,101   | 873    | 1,001  | 1,591  | 1,478  |
| Perfumery, bay rum, and toilet water                                                 |                |         |         |         |         |         | 1,659                         | 719     | 342    | 551    | 680    | 562    |
| Bath salts                                                                           | 1,000 lbs.     | 38      | 27      | 23      | 25      | 24      | 11                            | 7       | 3      | 5      | 4      | 4      |
| Cosmetics, powders, creams, etc.                                                     |                |         |         |         |         |         | 721                           | 423     | 242    | 213    | 204    | 182    |
| <b>GROUP 9.—MISCELLANEOUS</b>                                                        |                |         |         |         |         |         |                               |         |        |        |        |        |
| <b>Total</b>                                                                         |                |         |         |         |         |         | 185,138                       | 119,708 | 71,435 | 60,878 | 71,500 | 85,069 |
| <b>A. Photographic goods</b>                                                         |                |         |         |         |         |         | 5,729                         | 3,183   | 2,409  | 2,679  | 3,416  | 3,867  |
| Cameras and parts                                                                    |                |         |         |         |         |         | 453                           | 640     | 474    | 545    | 732    | 1,344  |
| Sensitized films, not exposed—                                                       |                |         |         |         |         |         |                               |         |        |        |        |        |
| Other than motion picture                                                            |                |         |         |         |         |         | 3,444                         | 144     | 167    | 222    | 368    | 207    |
| Motion picture                                                                       | 1,000 lin. ft. | 151,562 | 130,764 | 133,669 | 151,528 | 168,547 | 1,133                         | 854     | 918    | 1,142  | 1,218  | 1,218  |
| Film negatives for motion pictures                                                   | do             | 2,424   | 2,295   | 2,218   | 2,359   | 1,967   | 335                           | 208     | 207    | 270    | 215    | 164    |
| American films exposed abroad (negatives, undeveloped)                               | 1,000 lin. ft. | 37      | 329     | 434     | 196     | 305     | 5                             | 29      | 21     | 11     | 17     | 13     |
| Film positives                                                                       | do             | 4,542   | 6,148   | 4,332   | 3,923   | 4,508   | 195                           | 217     | 128    | 162    | 198    | 235    |
| Other films and dry plates                                                           |                |         |         |         |         |         | 227                           | 213     | 140    | 104    | 165    | 164    |
| Photographic paper                                                                   | 1,000 lbs.     | 3,819   | 2,415   | 1,768   | 1,230   | 1,439   | 1,073                         | 599     | 418    | 447    | 577    | 522    |
| <b>B. Scientific and professional instruments, apparatus, and supplies, n. e. s.</b> |                |         |         |         |         |         | 3,319                         | 2,060   | 1,265  | 927    | 1,424  | 1,798  |
| Optical goods—                                                                       |                |         |         |         |         |         |                               |         |        |        |        |        |
| Opera and field glasses                                                              | thousands      | 268     | 72      | 72      | 40      | 19      | 515                           | 262     | 132    | 124    | 59     | 189    |
| Spectacles, eyeglasses, and parts                                                    |                |         |         |         |         |         | 165                           | 21      | 8      | 17     | 92     | 88     |
| Other optical instruments and parts                                                  |                |         |         |         |         |         | 1,127                         | 608     | 492    | 332    | 568    | 623    |
| Dental and surgical instruments                                                      |                |         |         |         |         |         | 632                           | 475     | 309    | 262    | 442    | 472    |
| Philosophical and scientific, etc., instruments and apparatus                        |                |         |         |         |         |         | 881                           | 694     | 274    | 192    | 253    | 421    |

|                                                                                   |          |         |         |        |        |         |         |         |         |         |         |         |
|-----------------------------------------------------------------------------------|----------|---------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| <b>C. Musical instruments.</b>                                                    |          |         |         |        |        |         | 4, 498  | 3, 255  | 1, 656  | 1, 604  | 2, 615  | 3, 411  |
| Violins, cellos, etc., made before 1801.....number.....                           | 642      | 138     | 118     | 184    | 203    |         | 186     | 965     | 108     | 167     | 143     | 123     |
| Other band and orchestra instruments.....                                         |          |         |         |        |        |         | 860     | 480     | 318     | 221     | 286     | 449     |
| Phonograph and similar articles and parts.....                                    |          |         |         |        |        |         | 484     | 113     | 68      | 107     | 115     | 122     |
| Pianos and organs.....                                                            |          |         |         |        |        |         | 271     | 165     | 50      | 41      | 25      | 2, 126  |
| Other instruments, parts, and accessories.....                                    |          |         |         |        |        |         | 3, 036  | 1, 523  | 1, 112  | 1, 069  | 2, 046  | 591     |
| <b>E. Toys, athletic, and sporting goods</b>                                      |          |         |         |        |        |         | 5, 709  | 4, 759  | 3, 985  | 2, 375  | 2, 649  | 3, 054  |
| Toys—                                                                             |          |         |         |        |        |         |         |         |         |         |         |         |
| Dolls and parts.....                                                              |          |         |         |        |        |         | 1, 033  | 858     | 506     | 328     | 351     | 371     |
| Other toys <sup>27</sup> .....                                                    |          |         |         |        |        |         | 3, 491  | 2, 857  | 1, 980  | 1, 537  | 1, 687  | 1, 965  |
| Dice, dominoes, chips, etc.....                                                   |          |         |         |        |        |         | 109     | 171     | 104     | 42      | 35      | 53      |
| Athletic and sporting goods—                                                      |          |         |         |        |        |         |         |         |         |         |         |         |
| Fishing rods, reels, hooks, bait, etc.....                                        |          |         |         |        |        |         | 450     | 319     | 236     | 231     | 307     | 340     |
| Balls for games, n. e. s. (not of rubber) <sup>28</sup> .....                     |          |         |         |        |        |         |         |         |         |         |         |         |
| thousands.....                                                                    | 920      | 2, 751  | 10, 639 | 4, 917 | 3, 617 | 3, 439  | 109     | 162     | 355     | 70      | 77      | 78      |
| Other athletic sporting goods.....                                                |          |         |         |        |        |         | 516     | 392     | 184     | 167     | 192     | 247     |
| <b>F. Firearms.</b>                                                               |          |         |         |        |        |         | 583     | 305     | 68      | 187     | 166     | 169     |
| <b>G. Books and other printed matter.</b>                                         |          |         |         |        |        |         | 14, 210 | 9, 969  | 5, 696  | 5, 451  | 5, 949  | 7, 423  |
| Books and pamphlets in foreign languages.....                                     |          |         |         |        |        |         | 1, 931  | 1, 881  | 1, 030  | 937     | 1, 003  | 1, 237  |
| Books, maps, music, etc., 20 years old.....                                       |          |         |         |        |        |         | 3, 268  | 1, 803  | 786     | 1, 187  | 830     | 885     |
| Other books, papers, etc. (free).....                                             |          |         |         |        |        |         | 2, 558  | 1, 973  | 1, 399  | 953     | 1, 241  | 1, 347  |
| Books, pamphlets, music, maps, charts, and other printed matter, n. e. s.....     |          |         |         |        |        |         | 4, 530  | 3, 086  | 1, 753  | 1, 739  | 2, 063  | 2, 509  |
| Lithographic prints—                                                              |          |         |         |        |        |         |         |         |         |         |         |         |
| Labels, flaps, and cigar bands.....1,000 lbs.....                                 | 169      | 108     | 109     | 73     | 33     | 32      | 200     | 110     | 114     | 75      | 38      | 32      |
| Decalcomanias and transparencies.....do.....                                      | 405      | 275     | 213     | 227    | 275    | 325     | 557     | 358     | 273     | 326     | 514     | 613     |
| All other.....                                                                    |          |         |         |        |        |         | 1, 166  | 758     | 332     | 234     | 259     | 300     |
| <b>H. Clocks, watches, etc.</b>                                                   |          |         |         |        |        |         | 13, 892 | 4, 089  | 1, 561  | 1, 973  | 4, 179  | 5, 491  |
| Clocks, parts, and clock movements.....                                           |          |         |         |        |        |         | 1, 066  | 250     | 81      | 75      | 54      | 94      |
| Clocks and clock movements.....number.....                                        | 186, 252 | 76, 508 | 29, 642 | 8, 205 | 7, 109 | 17, 316 | 1, 625  | 175     | 53      | 21      | 26      | 48      |
| Clock cases and parts.....                                                        |          |         |         |        |        |         | 1, 804  | 85      | 28      | 54      | 28      | 46      |
| Watches and watch movements.....thousands.....                                    | 3, 958   | 893     | 406     | 446    | 920    | 1, 202  | 9, 726  | 2, 975  | 1, 178  | 1, 450  | 2, 834  | 3, 669  |
| Cases, dials, and parts of watches, n. e. s.....                                  |          |         |         |        |        |         | 1, 585  | 399     | 176     | 254     | 517     | 691     |
| Jewels for watches, clocks, meters, etc.....                                      |          |         |         |        |        |         | 1, 120  | 382     | 101     | 177     | 746     | 996     |
| Recorders, meters, regulators, and similar instruments and parts, n. s. p. f..... |          |         |         |        |        |         | 395     | 73      | 25      | 17      | 28      | 32      |
| <b>I. Art works.</b>                                                              |          |         |         |        |        |         | 65, 381 | 38, 494 | 18, 479 | 15, 937 | 16, 186 | 21, 581 |
| The production of American artists.....                                           |          |         |         |        |        |         | 250     | 173     | 79      | 205     | 93      | 99      |
| Original paintings, statuary, etc.....                                            |          |         |         |        |        |         | 13, 749 | 7, 446  | 3, 504  | 3, 923  | 5, 118  | 7, 946  |
| Altars, statuary, regalia, etc., for religious or educational purposes.....       |          |         |         |        |        |         | 1, 507  | 969     | 621     | 404     | 335     | 368     |
| Works of art produced before 1830.....                                            |          |         |         |        |        |         | 47, 764 | 27, 501 | 13, 507 | 10, 091 | 9, 338  | 11, 582 |
| Works of art for exhibition, presentation to public institutions, etc.....        |          |         |         |        |        |         | 1, 411  | 1, 756  | 531     | 1, 213  | 1, 121  | 1, 404  |
| All other art works.....                                                          |          |         |         |        |        |         | 699     | 650     | 238     | 201     | 182     | 181     |

<sup>1</sup> Average for years 1928-1930.<sup>2</sup> June 13 to Dec. 31, 1930.<sup>4</sup> Average for years 1929 and 1930.<sup>27</sup> Includes rubber toys prior to 1933.<sup>28</sup> Includes tennis balls prior to 1933.

No. 524.—IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES—Continued

["General imports", 1926 to 1932; "Imports for consumption" thereafter]

| Group and article                                                              | Quantity          |       |       |       |       |       | Value in thousands of dollars |        |        |        |        |        |
|--------------------------------------------------------------------------------|-------------------|-------|-------|-------|-------|-------|-------------------------------|--------|--------|--------|--------|--------|
|                                                                                | 1926-1930         | 1931  | 1932  | 1933  | 1934  | 1935  | 1926-1930                     | 1931   | 1932   | 1933   | 1934   | 1935   |
| <b>GROUP 9.—MISCELLANEOUS—Continued</b>                                        |                   |       |       |       |       |       |                               |        |        |        |        |        |
| <b>J. Miscellaneous articles, n. e. s.</b>                                     |                   |       |       |       |       |       | 71,053                        | 53,409 | 36,859 | 29,744 | 34,916 | 38,290 |
| Beads and bead ornaments—                                                      |                   |       |       |       |       |       |                               |        |        |        |        |        |
| Imitation pearl beads                                                          |                   |       |       |       |       |       | 1,403                         | 593    | 191    | 139    | 90     | 65     |
| Other beads                                                                    |                   |       |       |       |       |       | 2,790                         | 3,668  | 1,278  | 608    | 505    | 345    |
| Fabrics and articles, chief value beads                                        |                   |       |       |       |       |       | 814                           | 568    | 526    | 439    | 636    | 804    |
| Buttons—                                                                       |                   |       |       |       |       |       |                               |        |        |        |        |        |
| Pearl or shell                                                                 | 1,000 gross       | 950   | 954   | 934   | 750   | 863   | 1,003                         | 449    | 432    | 320    | 249    | 305    |
| All other                                                                      |                   |       |       |       |       |       |                               | 964    | 423    | 527    | 718    | 722    |
| Brushes—                                                                       |                   |       |       |       |       |       |                               |        |        |        |        |        |
| Tooth                                                                          | 1,000 doz         | 1,554 | 1,125 | 1,292 | 1,359 | 1,284 | 1,117                         | 727    | 420    | 274    | 264    | 374    |
| Hair and other toilet brushes and parts                                        | do                | 408   | 657   | 841   | 668   | 632   | 923                           | 497    | 392    | 244    | 198    | 249    |
| Other brushes                                                                  | do                | 3,988 | 4,166 | 5,363 | 4,671 | 5,863 | 6,123                         | 648    | 338    | 239    | 237    | 336    |
| Matches—                                                                       |                   |       |       |       |       |       |                               |        |        |        |        |        |
| Having stained or colored stems                                                | 1,000 gross boxes |       |       | 1,305 | 3,196 | 1,955 | 104                           |        |        | 351    | 840    | 331    |
| In boxes containing 100 or less                                                | do                | 6,431 | 2,528 | 1,751 | 525   | 923   | 2,222                         | 2,244  | 1,136  | 509    | 137    | 197    |
| All other                                                                      |                   |       |       |       |       |       |                               | 32     | 299    | 2      | 2      | 6      |
| Pipes and smokers' articles                                                    |                   |       |       |       |       |       |                               | 1,569  | 532    | 393    | 440    | 488    |
| Umbrellas, canes, and parts                                                    | 1,000 doz         | 3 43  | 151   | 168   | 281   | 301   | 498                           | 3 112  | 141    | 130    | 151    | 139    |
| Articles of casein, galalith, and cellulose compounds, except combs            |                   |       |       |       |       |       |                               | 2,461  | 319    | 204    | 176    | 226    |
| Combs, except metal or rubber <sup>29</sup>                                    | 1,000 gross       | 3 52  | 144   | 115   | 111   | 125   | 138                           | 3 241  | 638    | 387    | 279    | 306    |
| Pencils, crayons, leads, etc                                                   |                   |       |       |       |       |       |                               | 831    | 619    | 447    | 484    | 584    |
| Pens and penholders                                                            |                   |       |       |       |       |       |                               | 353    | 242    | 113    | 122    | 166    |
| All other dutiable articles                                                    |                   |       |       |       |       |       |                               | 6,749  | 2,988  | 1,789  | 2,126  | 2,703  |
| Household and personal effects, etc., of persons arriving in the United States |                   |       |       |       |       |       |                               | 7,621  | 5,536  | 3,395  | 3,320  | 4,127  |
| Articles, imported under bond, for export within 6 months                      |                   |       |       |       |       |       |                               | 5,586  | 4,304  | 2,535  |        |        |
| Articles the growth, produce, or manufacture of the United States, returned—   |                   |       |       |       |       |       |                               |        |        |        |        |        |
| Automobiles                                                                    | number            | 286   | 268   | 138   | 58    | 36    | 27                            | 358    | 203    | 187    | 70     | 64     |
| Containers                                                                     |                   |       |       |       |       |       |                               | 4,036  | 3,622  | 2,382  | 1,868  | 1,795  |
| All other                                                                      |                   |       |       |       |       |       |                               | 27,629 | 25,189 | 19,777 | 16,570 | 19,908 |
| All other free articles                                                        |                   |       |       |       |       |       |                               | 2,284  | 807    | 589    | 606    | 659    |
| <b>K. Articles in Group 9, ordinarily dutiable, imported free<sup>30</sup></b> |                   |       |       |       |       |       | 796                           | 179    | 36     |        |        |        |

<sup>29</sup> June 18 to Dec. 31, 1930.

<sup>29</sup> Rubber combs are included prior to 1933.

<sup>30</sup> See headnote, p. 513.

# No. 525.—IN TRANSIT AND TRANSSHIPMENT TRADE OF THE UNITED STATES: BY CONTINENTS AND PRINCIPAL COUNTRIES

[Values in thousands of dollars (for basis of dollar values, see general note, p. 427)]

| Year ended Dec. 31 | Received from | Shipped to | Received from | Shipped to | Received from  | Shipped to | Received from    | Shipped to |
|--------------------|---------------|------------|---------------|------------|----------------|------------|------------------|------------|
|                    | North America |            | South America |            | Europe         |            | Asia and Oceania |            |
| 1927.....          | 371, 419      | 91, 285    | 17, 050       | 30, 908    | 30, 552        | 274, 524   | 14, 785          | 29, 631    |
| 1928.....          | 286, 994      | 174, 215   | 15, 811       | 23, 117    | 101, 755       | 188, 741   | 19, 719          | 22, 915    |
| 1929.....          | 288, 133      | 81, 055    | 11, 142       | 29, 912    | 29, 298        | 192, 858   | 17, 793          | 32, 737    |
| 1930.....          | 204, 095      | 74, 202    | 12, 598       | 21, 941    | 27, 130        | 142, 442   | 17, 930          | 17, 507    |
| 1931.....          | 123, 497      | 45, 571    | 11, 367       | 14, 784    | 23, 663        | 90, 223    | 13, 323          | 8, 242     |
| 1932.....          | 74, 652       | 36, 404    | 8, 408        | 9, 016     | 19, 734        | 57, 205    | 7, 473           | 5, 151     |
| 1933.....          | 90, 060       | 85, 204    | 10, 359       | 11, 969    | 25, 261        | 78, 266    | 9, 440           | 7, 305     |
| 1934.....          | 108, 293      | 42, 688    | 12, 227       | 17, 048    | 27, 182        | 83, 730    | 15, 432          | 15, 810    |
| 1935.....          | 101, 472      | 47, 994    | 14, 802       | 19, 479    | 27, 828        | 61, 702    | 14, 102          | 24, 859    |
|                    | Africa        |            | Canada        |            | Mexico         |            | Cuba             |            |
|                    | Received from | Shipped to | Received from | Shipped to | Received from  | Shipped to | Received from    | Shipped to |
| 1927.....          | 1, 807        | 9, 215     | 338, 611      | 38, 069    | 13, 339        | 12, 502    | 10, 010          | 23, 427    |
| 1928.....          | 2, 465        | 7, 756     | 252, 859      | 182, 403   | 15, 554        | 11, 966    | 8, 455           | 13, 428    |
| 1929.....          | 1, 219        | 11, 007    | 249, 082      | 30, 293    | 22, 898        | 11, 288    | 6, 149           | 17, 095    |
| 1930.....          | 1, 818        | 7, 479     | 167, 735      | 84, 181    | 20, 295        | 11, 250    | 6, 455           | 14, 762    |
| 1931.....          | 543           | 4, 573     | 95, 431       | 17, 557    | 16, 760        | 7, 391     | 3, 987           | 7, 812     |
| 1932.....          | 328           | 2, 809     | 53, 635       | 14, 755    | 8, 369         | 5, 440     | 3, 028           | 6, 085     |
| 1933.....          | 1, 108        | 3, 484     | 61, 638       | 10, 643    | 20, 803        | 7, 102     | 7, 040           | 6, 362     |
| 1934.....          | 939           | 4, 495     | 71, 278       | 13, 173    | 22, 985        | 10, 094    | 4, 637           | 7, 650     |
| 1935.....          | 452           | 4, 516     | 74, 408       | 10, 995    | 15, 720        | 8, 541     | 4, 429           | 9, 699     |
|                    | Argentina     |            | Peru          |            | United Kingdom |            | Belgium          |            |
|                    | Received from | Shipped to | Received from | Shipped to | Received from  | Shipped to | Received from    | Shipped to |
| 1927.....          | 3, 906        | 13, 117    | 7, 211        | 1, 408     | 11, 177        | 149, 926   | 3, 277           | 13, 682    |
| 1928.....          | 4, 996        | 8, 536     | 8, 743        | 1, 748     | 61, 832        | 100, 773   | 8, 399           | 12, 186    |
| 1929.....          | 2, 745        | 10, 285    | 3, 055        | 1, 593     | 11, 678        | 90, 389    | 1, 636           | 8, 890     |
| 1930.....          | 2, 901        | 7, 358     | 5, 111        | 1, 629     | 9, 095         | 64, 513    | 1, 953           | 10, 274    |
| 1931.....          | 1, 568        | 2, 354     | 4, 950        | 1, 496     | 9, 574         | 37, 743    | 1, 157           | 7, 418     |
| 1932.....          | 1, 232        | 937        | 3, 493        | 1, 499     | 9, 533         | 19, 229    | 660              | 5, 076     |
| 1933.....          | 1, 203        | 1, 273     | 5, 222        | 2, 010     | 11, 382        | 31, 649    | 2, 340           | 5, 791     |
| 1934.....          | 2, 631        | 2, 548     | 5, 113        | 2, 788     | 14, 642        | 27, 265    | 944              | 7, 733     |
| 1935.....          | 4, 258        | 2, 554     | 2, 985        | 2, 576     | 12, 866        | 15, 236    | 1, 053           | 7, 486     |
|                    | France        |            | Netherlands   |            | Germany        |            | Italy            |            |
|                    | Received from | Shipped to | Received from | Shipped to | Received from  | Shipped to | Received from    | Shipped to |
| 1927.....          | 1, 630        | 14, 098    | 3, 645        | 22, 123    | 5, 482         | 29, 235    | 1, 953           | 18, 950    |
| 1928.....          | 4, 818        | 19, 688    | 3, 483        | 14, 123    | 11, 199        | 27, 025    | 4, 718           | 12, 614    |
| 1929.....          | 1, 400        | 15, 783    | 3, 491        | 15, 050    | 5, 387         | 27, 501    | 1, 718           | 10, 168    |
| 1930.....          | 1, 461        | 7, 913     | 8, 843        | 13, 786    | 5, 842         | 18, 447    | 1, 998           | 7, 811     |
| 1931.....          | 2, 214        | 13, 607    | 3, 054        | 8, 251     | 4, 311         | 14, 554    | 1, 238           | 7, 046     |
| 1932.....          | 1, 435        | 7, 265     | 2, 117        | 4, 834     | 2, 510         | 8, 983     | 1, 081           | 5, 039     |
| 1933.....          | 2, 199        | 8, 353     | 2, 211        | 7, 226     | 2, 783         | 11, 387    | 1, 287           | 6, 175     |
| 1934.....          | 1, 836        | 9, 611     | 2, 139        | 3, 397     | 3, 890         | 11, 386    | 1, 502           | 7, 622     |
| 1935.....          | 2, 040        | 9, 289     | 2, 546        | 5, 647     | 4, 678         | 5, 351     | 1, 725           | 7, 623     |

# No. 526.—IN TRANSIT AND TRANSSHIPMENT TRADE: BY CUSTOMS REGIONS THROUGH WHICH SHIPPED

[Values in thousands of dollars]

| Year ended Dec. 31 | Total    | Atlantic Coast |                         |          |              | Gulf coast | Mexican border | Pacific coast | Northern border |
|--------------------|----------|----------------|-------------------------|----------|--------------|------------|----------------|---------------|-----------------|
|                    |          | Total          | Maine and New Hampshire | New York | Philadelphia |            |                |               |                 |
| 1927.....          | 435, 564 | 333, 612       | 10, 575                 | 286, 704 | 26, 774      | 2, 265     | 5, 236         | 22, 760       | 71, 791         |
| 1928.....          | 429, 744 | 307, 778       | 5, 372                  | 249, 704 | 17, 900      | 8, 880     | 9, 404         | 15, 770       | 91, 411         |
| 1929.....          | 347, 509 | 274, 598       | 3, 765                  | 234, 386 | 11, 182      | 9, 866     | 9, 566         | 17, 177       | 36, 367         |
| 1930.....          | 263, 671 | 198, 818       | 2, 329                  | 178, 693 | 7, 596       | 5, 728     | 11, 456        | 15, 641       | 52, 529         |
| 1931.....          | 172, 398 | 132, 444       | 1, 330                  | 121, 113 | 2, 547       | 3, 710     | 9, 628         | 12, 553       | 14, 158         |
| 1932.....          | 110, 595 | 82, 729        | 703                     | 79, 950  | 233          | 1, 723     | 3, 763         | 9, 262        | 13, 118         |
| 1933.....          | 136, 227 | 114, 658       | 346                     | 111, 553 | 403          | 1, 983     | 3, 223         | 9, 423        | 6, 999          |
| 1934.....          | 163, 773 | 129, 880       | 1, 272                  | 124, 099 | 1, 174       | 5, 282     | 7, 597         | 11, 953       | 8, 761          |
| 1935.....          | 168, 550 | 117, 198       | 385                     | 113, 582 | 475          | 2, 582     | 8, 767         | 15, 243       | 14, 760         |

<sup>1</sup> Includes districts not specified.

## 23.—COMMERCE OF NONCONTIGUOUS TERRITORIES

**GENERAL NOTE.**—In the general foreign trade statistics of the United States presented in the preceding section, the Philippines and prior to 1885, Virgin Islands, are treated as foreign countries and their trade with the United States is included while their trade with other countries is not included. On the other hand, Puerto Rico, Hawaii, and Alaska, and beginning Jan. 1, 1935, Virgin Islands, are treated as integral parts of the United States, so that trade between them and continental United States is not included, while trade between them and foreign countries is included; each of these territories appears as a separate customs district. Neither trade of American Samoa and Guam with foreign countries nor shipments between them and United States are included in the general tables on foreign trade. See also table 494, p. 429.

The tables in this section present the total foreign trade of each of the United States territories and possessions and show separately the trade with continental United States (unless otherwise indicated) and with foreign countries, including other United States territories and possessions. For basis of dollar values, see general note, p. 427.

### No. 527.—IMPORTS AND EXPORTS OF ALASKA

**NOTE.**—In 1935 Alaska shipped domestic silver valued at \$228,500 to the United States.

| Yearly average or year ended— | Merchandise imports             |                                   |                | Merchandise exports |                    |                | Shipments domestic gold to United States |
|-------------------------------|---------------------------------|-----------------------------------|----------------|---------------------|--------------------|----------------|------------------------------------------|
|                               | From United States <sup>1</sup> | From other countries <sup>2</sup> | Total          | To United States    | To other countries | Total          |                                          |
|                               | <i>Dollars</i>                  | <i>Dollars</i>                    | <i>Dollars</i> | <i>Dollars</i>      | <i>Dollars</i>     | <i>Dollars</i> | <i>Dollars</i>                           |
| June 30:                      |                                 |                                   |                |                     |                    |                |                                          |
| 1882-1885                     | 680,250                         | 9,198                             |                |                     | 24,955             |                |                                          |
| 1886-1890                     | 1,455,600                       | 23,697                            |                |                     | 8,748              |                |                                          |
| 1891-1895                     | 2,422,600                       | 42,539                            |                |                     | 15,526             |                |                                          |
| 1896-1900                     | 9,843,000                       | 186,182                           |                |                     | 135,069            |                |                                          |
| 1901                          | 18,457,000                      | 567,992                           |                |                     | 2,584,318          |                |                                          |
| 1902                          |                                 | 511,830                           |                |                     | 2,612,021          |                |                                          |
| 1903                          | 9,509,701                       | 477,463                           | 9,987,164      | 10,228,569          | 1,612,128          | 11,840,697     |                                          |
| 1904                          | 10,165,110                      | 607,355                           | 10,772,465     | 10,165,140          | 1,565,600          | 11,730,830     | 6,347,742                                |
| 1905                          | 11,504,255                      | 1,450,910                         | 12,955,165     | 10,801,446          | 1,088,165          | 11,889,611     | 9,059,028                                |
| 1906                          | 14,896,827                      | 845,291                           | 15,716,118     | 9,272,337           | 1,877,398          | 10,649,735     | 12,638,698                               |
| 1907                          | 18,402,765                      | 1,134,191                         | 19,536,956     | 12,155,198          | 1,489,686          | 13,644,884     | 18,564,228                               |
| 1908                          | 16,577,903                      | 776,974                           | 17,354,877     | 10,967,777          | 1,867,905          | 12,825,682     | 11,490,777                               |
| 1909                          | 17,762,600                      | 647,331                           | 18,409,931     | 13,110,910          | 961,101            | 14,072,011     | 17,782,493                               |
| 1910                          | 18,670,339                      | 619,345                           | 19,289,687     | 12,440,380          | 1,168,014          | 13,608,394     | 18,303,128                               |
| 1911                          | 16,205,730                      | 706,171                           | 16,911,901     | 14,055,329          | 1,136,745          | 15,192,074     | 15,158,671                               |
| 1912                          | 19,417,227                      | 563,603                           | 19,980,730     | 21,778,064          | 1,010,072          | 22,788,136     | 17,250,019                               |
| 1913                          | 20,827,262                      | 982,271                           | 21,809,533     | 24,634,987          | 1,477,991          | 26,112,978     | 14,678,016                               |
| 1914                          | 22,461,723                      | 567,399                           | 23,029,122     | 21,817,408          | 1,124,239          | 22,941,647     | 12,201,672                               |
| 1915                          | 21,260,042                      | 640,886                           | 21,900,928     | 27,442,336          | 1,001,389          | 28,443,724     | 15,248,606                               |
| 1916                          | 27,086,298                      | 1,066,612                         | 28,152,900     | 40,468,186          | 1,426,362          | 50,894,548     | 16,195,635                               |
| 1917                          | 38,992,049                      | 1,489,524                         | 40,461,573     | 60,773,859          | 2,474,894          | 63,248,753     | 16,409,529                               |
| 1918                          | 44,280,075                      | 967,632                           | 45,247,607     | 71,595,414          | 2,462,470          | 74,057,884     | 12,416,660                               |
| Dec. 31:                      |                                 |                                   |                |                     |                    |                |                                          |
| 1918 (6 mos.)                 | 11,678,122                      | 863,515                           | 12,541,637     | 62,992,202          | 763,285            | 63,755,487     | 6,671,848                                |
| 1919                          | 37,476,232                      | 1,449,362                         | 38,925,594     | 60,479,548          | 1,542,249          | 62,021,797     | 8,105,005                                |
| 1920                          | 36,876,855                      | 1,512,118                         | 38,388,973     | 60,939,061          | 1,530,036          | 62,469,096     | 6,543,313                                |
| 1921                          | 19,274,215                      | 935,013                           | 20,209,228     | 36,910,924          | 1,445,042          | 38,361,966     | 6,543,430                                |
| 1922                          | 26,777,806                      | 870,927                           | 27,648,733     | 51,082,995          | 1,371,490          | 52,454,485     | 6,640,978                                |
| 1923                          | 30,631,266                      | 514,466                           | 31,145,832     | 53,761,494          | 1,825,773          | 55,587,267     | 5,981,896                                |
| 1924                          | 32,046,273                      | 529,618                           | 32,575,891     | 54,974,168          | 1,351,380          | 56,325,548     | 4,602,746                                |
| 1925                          | 32,552,530                      | 846,981                           | 33,399,511     | 56,918,746          | 901,543            | 57,820,289     | 5,219,542                                |
| 1926                          | 31,587,337                      | 543,683                           | 32,131,020     | 73,300,606          | 521,881            | 73,822,387     | 5,743,076                                |
| 1927                          | 35,004,108                      | 766,302                           | 36,370,410     | 51,348,688          | 483,079            | 51,832,367     | 5,394,107                                |
| 1928                          | 32,058,976                      | 559,262                           | 32,618,238     | 67,587,207          | 622,738            | 68,209,945     | 6,362,204                                |
| 1929                          | 33,220,584                      | 954,273                           | 34,174,857     | 63,587,677          | 607,017            | 64,174,694     | 7,126,724                                |
| 1930                          | 31,303,291                      | 1,709,636                         | 33,012,927     | 48,996,962          | 347,191            | 49,344,153     | 7,031,737                                |
| 1931                          | 22,489,895                      | 546,698                           | 23,036,493     | 43,276,884          | 314,908            | 43,591,772     | 8,928,765                                |
| 1932                          | 19,573,105                      | 302,451                           | 19,875,556     | 30,183,565          | 235,528            | 30,418,893     | 9,261,466                                |
| 1933                          | 20,685,622                      | 131,245                           | 20,816,867     | 33,131,461          | 166,281            | 33,297,742     | 9,864,479                                |
| 1934                          | 29,998,840                      | 270,798                           | 30,269,638     | 45,058,950          | 322,512            | 45,381,462     | 15,853,877                               |
| 1935                          | 32,007,856                      | 253,976                           | 32,261,832     | 36,868,697          | 262,135            | 37,130,832     | 15,933,058                               |

<sup>1</sup> Unofficial estimates of the value of merchandise shipped from Pacific coast ports to Alaska from 1882 to 1901; from 1903 to date, official figures of shipments to Alaska.

<sup>2</sup> General imports through 1933; imports for consumption thereafter.

Source: Bureau of Foreign and Domestic Commerce.

## No. 528.—IMPORTS AND EXPORTS OF PUERTO RICO

| Yearly average or year ended— | Merchandise imports             |                                   |                | Merchandise exports |                    |                |
|-------------------------------|---------------------------------|-----------------------------------|----------------|---------------------|--------------------|----------------|
|                               | From United States <sup>1</sup> | From other countries <sup>2</sup> | Total          | To United States    | To other countries | Total          |
| June 30:                      | <i>Dollars</i>                  | <i>Dollars</i>                    | <i>Dollars</i> | <i>Dollars</i>      | <i>Dollars</i>     | <i>Dollars</i> |
| 1901-1905.....                | 11,055,607                      | 2,200,857                         | 13,256,464     | 10,485,414          | 3,743,050          | 14,228,464     |
| 1906-1910.....                | 23,660,948                      | 3,158,988                         | 26,819,937     | 25,118,813          | 4,731,195          | 29,850,008     |
| 1909.....                     | 23,618,545                      | 2,925,781                         | 26,544,326     | 26,394,312          | 3,990,918          | 30,391,225     |
| 1910.....                     | 27,097,654                      | 3,537,201                         | 30,634,855     | 32,095,897          | 5,864,617          | 37,960,514     |
| 1911.....                     | 34,871,958                      | 4,115,039                         | 38,986,997     | 34,755,409          | 5,152,958          | 39,918,367     |
| 1912.....                     | 38,470,968                      | 4,501,928                         | 42,972,891     | 42,873,401          | 6,832,012          | 49,705,413     |
| 1913.....                     | 33,155,005                      | 3,745,057                         | 36,900,062     | 40,538,623          | 8,564,942          | 49,103,565     |
| 1914.....                     | 32,568,368                      | 3,838,419                         | 36,406,787     | 34,423,180          | 8,679,582          | 43,102,762     |
| 1915.....                     | 30,929,831                      | 2,964,465                         | 33,884,296     | 42,311,920          | 7,044,887          | 49,356,807     |
| 1916.....                     | 35,892,515                      | 3,058,400                         | 38,950,915     | 60,952,758          | 5,634,937          | 66,587,695     |
| 1917.....                     | 49,539,249                      | 4,005,975                         | 53,545,224     | 73,115,224          | 7,855,680          | 80,970,904     |
| 1918.....                     | 58,945,768                      | 4,443,524                         | 63,389,292     | 85,516,650          | 8,753,450          | 94,269,100     |
| Dec. 31:                      |                                 |                                   |                |                     |                    |                |
| 1918 (6 months).....          | 25,868,096                      | 1,796,219                         | 27,464,315     | 31,333,827          | 3,733,065          | 35,066,892     |
| 1919.....                     | 67,799,541                      | 5,261,052                         | 73,060,593     | 78,320,180          | 11,075,625         | 89,395,805     |
| 1920.....                     | 121,661,574                     | 7,512,404                         | 129,073,978    | 155,322,083         | 16,346,697         | 171,668,780    |
| 1921.....                     | 107,977,112                     | 7,377,251                         | 115,354,363    | 71,987,716          | 6,753,990          | 78,741,706     |
| 1922.....                     | 57,968,112                      | 6,849,098                         | 64,817,210     | 60,105,155          | 5,012,292          | 65,117,447     |
| 1923.....                     | 76,919,616                      | 7,547,604                         | 84,467,220     | 80,308,272          | 6,768,723          | 87,076,995     |
| 1924.....                     | 78,412,003                      | 9,387,444                         | 87,799,447     | 77,330,748          | 7,397,792          | 84,728,540     |
| 1925.....                     | 77,499,807                      | 11,620,875                        | 89,120,682     | 92,678,754          | 7,053,295          | 99,732,049     |
| 1926.....                     | 84,737,537                      | 12,664,064                        | 97,401,601     | 90,166,856          | 7,670,594          | 97,837,450     |
| 1927.....                     | 86,326,546                      | 11,264,383                        | 97,590,929     | 96,902,024          | 7,557,741          | 104,459,765    |
| 1928.....                     | 91,940,283                      | 13,325,828                        | 105,266,111    | 97,268,763          | 6,998,231          | 104,266,994    |
| 1929.....                     | 75,979,914                      | 11,728,598                        | 87,708,512     | 78,126,574          | 5,117,801          | 83,244,375     |
| 1930.....                     | 70,219,219                      | 10,318,649                        | 80,537,868     | 99,880,061          | 4,068,810          | 103,948,871    |
| 1931.....                     | 60,636,751                      | 7,874,291                         | 68,511,042     | 87,911,708          | 3,172,479          | 91,084,185     |
| 1932.....                     | 48,730,141                      | 7,266,335                         | 56,096,476     | 74,290,250          | 2,127,827          | 76,418,077     |
| 1933.....                     | 51,698,988                      | 6,146,587                         | 57,845,575     | 76,211,940          | 2,449,143          | 78,661,083     |
| 1934.....                     | 59,477,288                      | 6,762,041                         | 66,239,329     | 81,184,396          | 2,723,351          | 83,907,747     |
| 1935.....                     | 70,053,010                      | 6,695,277                         | 76,748,287     | 87,726,308          | 1,916,113          | 89,642,421     |

<sup>1</sup> Shipments from the United States to Puerto Rico.<sup>2</sup> General imports through 1933; imports for consumption thereafter.

## No. 529.—IMPORTS AND EXPORTS OF HAWAII

| Yearly average or year ended— | Merchandise imports             |                                   |                | Merchandise exports |                    |                |
|-------------------------------|---------------------------------|-----------------------------------|----------------|---------------------|--------------------|----------------|
|                               | From United States <sup>1</sup> | From other countries <sup>2</sup> | Total          | To United States    | To other countries | Total          |
| June 30:                      | <i>Dollars</i>                  | <i>Dollars</i>                    | <i>Dollars</i> | <i>Dollars</i>      | <i>Dollars</i>     | <i>Dollars</i> |
| 1901-1905.....                | 11,459,879                      | 3,165,296                         | 14,625,085     | 28,029,059          | 64,698             | 28,093,757     |
| 1906-1910.....                | 15,970,287                      | 4,149,852                         | 20,120,138     | 36,842,145          | 254,956            | 37,097,102     |
| 1909.....                     | 17,730,778                      | 4,033,574                         | 21,814,352     | 40,432,945          | 84,152             | 40,517,097     |
| 1910.....                     | 20,560,101                      | 4,606,334                         | 25,166,435     | 46,133,265          | 306,763            | 46,440,028     |
| 1911.....                     | 21,925,177                      | 5,190,449                         | 27,115,626     | 41,207,651          | 730,642            | 41,938,293     |
| 1912.....                     | 24,652,905                      | 5,598,444                         | 30,251,349     | 55,076,070          | 373,273            | 55,449,343     |
| 1913.....                     | 30,646,089                      | 6,873,531                         | 37,519,620     | 42,713,184          | 758,646            | 43,471,830     |
| 1914.....                     | 25,773,412                      | 6,282,558                         | 32,055,970     | 40,678,580          | 915,245            | 41,593,825     |
| 1915.....                     | 25,004,764                      | 5,716,023                         | 30,720,787     | 62,087,250          | 377,509            | 62,464,759     |
| 1916.....                     | 31,127,577                      | 6,068,529                         | 37,196,106     | 64,438,297          | 226,747            | 64,665,044     |
| 1917.....                     | 44,330,475                      | 6,482,951                         | 50,813,426     | 73,174,343          | 923,747            | 74,098,090     |
| 1918.....                     | 43,646,515                      | 6,807,048                         | 50,453,563     | 79,392,926          | 1,553,700          | 80,946,626     |
| Dec. 31:                      |                                 |                                   |                |                     |                    |                |
| 1918 (6 months).....          | 19,061,246                      | 5,476,008                         | 24,537,254     | 42,224,209          | 4,152,299          | 46,376,508     |
| 1919.....                     | 49,983,569                      | 8,980,704                         | 58,964,273     | 98,363,015          | 4,702,103          | 103,065,118    |
| 1920.....                     | 74,052,453                      | 12,234,592                        | 86,337,045     | 192,353,185         | 3,437,699          | 195,790,884    |
| 1921.....                     | 64,446,173                      | 8,529,755                         | 73,975,928     | 71,669,115          | 1,350,483          | 73,019,598     |
| 1922.....                     | 58,585,740                      | 7,490,913                         | 66,082,653     | 73,431,301          | 1,257,268          | 74,688,569     |
| 1923.....                     | 66,421,893                      | 8,684,804                         | 75,106,697     | 101,085,642         | 1,581,164          | 102,666,806    |
| 1924.....                     | 69,767,693                      | 8,834,223                         | 78,601,916     | 108,473,292         | 1,415,911          | 109,889,203    |
| 1925.....                     | 72,024,409                      | 10,829,509                        | 83,753,918     | 102,780,509         | 1,844,782          | 104,625,291    |
| 1926.....                     | 76,262,624                      | 10,254,565                        | 86,517,189     | 98,260,941          | 1,884,079          | 100,145,020    |
| 1927.....                     | 79,630,089                      | 9,171,815                         | 88,801,904     | 109,236,321         | 2,267,714          | 111,504,035    |
| 1928.....                     | 77,762,940                      | 10,361,293                        | 88,124,233     | 116,956,090         | 2,523,745          | 119,479,835    |
| 1929.....                     | 82,950,789                      | 9,752,667                         | 92,703,456     | 106,312,833         | 2,126,270          | 108,439,103    |
| 1930.....                     | 81,726,404                      | 9,399,645                         | 91,126,049     | 98,923,377          | 1,992,046          | 100,915,783    |
| 1931.....                     | 79,092,457                      | 7,864,409                         | 86,956,866     | 101,548,555         | 1,189,280          | 102,737,835    |
| 1932.....                     | 58,578,449                      | 5,051,628                         | 63,630,077     | 82,688,205          | 760,091            | 83,448,296     |
| 1933.....                     | 57,894,488                      | 5,233,481                         | 63,127,969     | 92,276,992          | 675,809            | 92,952,801     |
| 1934.....                     | 63,472,395                      | 5,781,288                         | 69,253,683     | 94,513,699          | 1,316,360          | 95,830,059     |
| 1935.....                     | 78,924,776                      | 5,628,108                         | 84,552,884     | 98,695,969          | 1,338,027          | 100,033,996    |

<sup>1</sup> Shipments from U. S. to Hawaii.<sup>2</sup> See note 2, table 528.<sup>3</sup> Average for 1903 to 1905.

Source of tables 528 and 529: Bureau of Foreign and Domestic Commerce.



## No. 530.—IMPORTS AND EXPORTS OF THE PHILIPPINE ISLANDS

| Yearly average or year ended— | Merchandise imports             |                      |                | Merchandise exports |                    |                |
|-------------------------------|---------------------------------|----------------------|----------------|---------------------|--------------------|----------------|
|                               | From United States <sup>1</sup> | From other countries | Total          | To United States    | To other countries | Total          |
| June 30:                      | <i>Dollars</i>                  | <i>Dollars</i>       | <i>Dollars</i> | <i>Dollars</i>      | <i>Dollars</i>     | <i>Dollars</i> |
| 1901-1905.....                | 4, 245, 948                     | 27, 652, 100         | 31, 898, 048   | 10, 179, 525        | 18, 394, 005       | 28, 573, 530   |
| 1906-1910.....                | 6, 007, 162                     | 24, 065, 589         | 30, 072, 701   | 12, 587, 790        | 21, 273, 168       | 33, 860, 958   |
| 1909.....                     | 4, 691, 770                     | 23, 100, 627         | 27, 792, 397   | 10, 216, 331        | 20, 778, 232       | 30, 993, 563   |
| 1910.....                     | 10, 776, 301                    | 28, 292, 329         | 37, 067, 630   | 18, 741, 771        | 21, 122, 398       | 39, 864, 169   |
| 1911.....                     | 19, 483, 658                    | 30, 350, 064         | 49, 833, 722   | 16, 716, 956        | 23, 061, 673       | 39, 778, 629   |
| 1912.....                     | 20, 004, 155                    | 33, 945, 825         | 54, 549, 980   | 21, 617, 777        | 28, 802, 059       | 50, 319, 836   |
| 1913.....                     | 25, 387, 085                    | 30, 940, 498         | 56, 327, 583   | 19, 848, 885        | 33, 534, 441       | 53, 683, 326   |
| 1914.....                     | 28, 571, 821                    | 27, 439, 749         | 56, 011, 570   | 22, 047, 105        | 29, 190, 943       | 51, 238, 048   |
| 1915.....                     | 22, 394, 381                    | 22, 085, 480         | 44, 479, 861   | 23, 001, 275        | 27, 913, 786       | 50, 915, 061   |
| 1916.....                     | 23, 804, 867                    | 22, 169, 258         | 45, 973, 625   | 28, 638, 526        | 32, 825, 505       | 61, 464, 031   |
| 1917.....                     | 27, 516, 556                    | 24, 466, 722         | 51, 983, 278   | 43, 125, 393        | 28, 589, 982       | 71, 715, 375   |
| 1918.....                     | 49, 799, 229                    | 33, 964, 061         | 83, 763, 290   | 77, 010, 233        | 39, 604, 378       | 116, 614, 611  |
| Dec. 31:                      |                                 |                      |                |                     |                    |                |
| 1918 (6 months).....          | 31, 949, 240                    | 21, 671, 502         | 53, 620, 742   | 50, 920, 499        | 24, 518, 860       | 75, 439, 359   |
| 1919.....                     | 75, 401, 415                    | 43, 147, 037         | 118, 539, 052  | 56, 453, 173        | 56, 684, 660       | 113, 117, 833  |
| 1920.....                     | 92, 289, 778                    | 57, 148, 506         | 149, 438, 283  | 105, 216, 263       | 45, 907, 593       | 151, 123, 856  |
| 1921.....                     | 74, 130, 015                    | 41, 708, 559         | 115, 838, 574  | 50, 356, 793        | 37, 758, 530       | 88, 115, 323   |
| 1922.....                     | 47, 738, 328                    | 32, 459, 319         | 80, 197, 645   | 64, 111, 601        | 31, 471, 697       | 95, 683, 298   |
| 1923.....                     | 50, 352, 535                    | 37, 447, 212         | 87, 799, 747   | 85, 047, 023        | 35, 705, 967       | 120, 752, 990  |
| 1924.....                     | 60, 999, 380                    | 47, 611, 515         | 108, 610, 895  | 97, 313, 903        | 38, 030, 760       | 135, 344, 663  |
| 1925.....                     | 69, 297, 583                    | 50, 435, 251         | 119, 732, 834  | 109, 044, 942       | 39, 832, 263       | 148, 877, 205  |
| 1926.....                     | 71, 575, 618                    | 47, 728, 374         | 119, 298, 992  | 100, 003, 215       | 36, 881, 105       | 136, 884, 320  |
| 1927.....                     | 71, 478, 297                    | 44, 373, 175         | 115, 851, 472  | 116, 038, 250       | 39, 535, 835       | 155, 674, 085  |
| 1928.....                     | 83, 858, 068                    | 50, 798, 830         | 134, 656, 898  | 115, 685, 876       | 39, 468, 670       | 155, 054, 546  |
| 1929.....                     | 92, 592, 959                    | 54, 567, 316         | 147, 160, 275  | 124, 465, 473       | 39, 981, 370       | 164, 446, 843  |
| 1930.....                     | 78, 183, 028                    | 44, 900, 928         | 123, 092, 954  | 105, 342, 061       | 27, 825, 067       | 133, 167, 128  |
| 1931.....                     | 62, 139, 683                    | 37, 039, 036         | 99, 178, 719   | 83, 422, 397        | 20, 549, 677       | 103, 972, 074  |
| 1932.....                     | 51, 297, 750                    | 28, 097, 335         | 79, 395, 085   | 62, 647, 867        | 12, 690, 214       | 75, 338, 081   |
| 1933.....                     | 43, 540, 407                    | 23, 821, 066         | 67, 361, 463   | 61, 313, 027        | 14, 458, 026       | 75, 771, 053   |
| 1934.....                     | 54, 376, 678                    | 29, 231, 433         | 83, 607, 111   | 91, 843, 594        | 18, 580, 042       | 110, 403, 636  |
| 1935.....                     | 54, 366, 500                    | 31, 167, 350         | 85, 523, 850   | 74, 935, 637        | 19, 310, 143       | 94, 245, 680   |

<sup>1</sup> The discrepancy between the United States figures of exports to the Philippines prior to 1911 and the Philippine figures of imports from the United States in corresponding periods is due chiefly to the fact that the Philippine import figures prior to that year omit merchandise imported free of duty for the use of the Government or for use in construction and equipment of railways in the islands, under the act of Feb. 6, 1906, while the United States returns omit only Government supplies carried by Government vessels.

Sources: Reports of the War Department and Annual Report of the Insular Collector of Customs.

## No. 531.—IMPORTS AND EXPORTS OF AMERICAN SAMOA

| Year ended—          | Merchandise imports |                      |                | Merchandise exports |                    |                |
|----------------------|---------------------|----------------------|----------------|---------------------|--------------------|----------------|
|                      | From United States  | From other countries | Total          | To United States    | To other countries | Total          |
| June 30:             | <i>Dollars</i>      | <i>Dollars</i>       | <i>Dollars</i> | <i>Dollars</i>      | <i>Dollars</i>     | <i>Dollars</i> |
| 1916.....            | 100, 507            | 17, 787              | 118, 294       | 62, 062             | .....              | 62, 062        |
| 1917.....            | 93, 626             | 10, 088              | 110, 314       | 198, 496            | .....              | 198, 496       |
| 1918.....            | 94, 334             | 51, 566              | 145, 899       | 118, 520            | .....              | 118, 520       |
| Dec. 31:             |                     |                      |                |                     |                    |                |
| 1918 (6 months)..... | 65, 409             | 46, 033              | 112, 442       | 138, 071            | .....              | 138, 071       |
| 1919.....            | 95, 329             | 37, 830              | 132, 959       | 90, 421             | .....              | 90, 421        |
| 1920.....            | 126, 185            | 99, 110              | 225, 295       | 95, 213             | .....              | 95, 213        |
| 1921.....            | 127, 654            | 94, 833              | 222, 487       | 117, 446            | .....              | 117, 446       |
| 1922.....            | 96, 317             | 100, 586             | 196, 903       | 95, 216             | .....              | 95, 216        |
| 1923.....            | 97, 396             | 101, 464             | 198, 860       | 95, 184             | .....              | 95, 184        |
| 1924.....            | 91, 300             | 103, 053             | 194, 353       | 102, 895            | 47, 385            | 150, 280       |
| 1925.....            | 92, 514             | 90, 898              | 182, 412       | 26, 712             | 129, 621           | 156, 333       |
| 1926.....            | 121, 052            | 87, 081              | 208, 133       | 78, 033             | ( )                | ( )            |
| 1927.....            | 120, 877            | 82, 491              | 203, 368       | 40, 852             | ( )                | ( )            |
| 1928.....            | 106, 260            | 68, 490              | 204, 750       | 179, 008            | ( )                | ( )            |
| 1929.....            | 113, 287            | 88, 684              | 201, 971       | 168, 758            | ( )                | ( )            |
| 1930.....            | 142, 393            | 63, 667              | 206, 060       | 140, 422            | ( )                | ( )            |
| 1931.....            | 103, 650            | 79, 788              | 183, 437       | 60, 287             | ( )                | ( )            |
| 1932.....            | 99, 064             | 68, 596              | 167, 660       | 28, 077             | ( )                | ( )            |
| 1933.....            | 84, 690             | 83, 824              | 168, 514       | 20, 965             | ( )                | ( )            |
| 1934.....            | 123, 886            | 77, 726              | 201, 612       | 24, 927             | ( )                | ( )            |
| 1935.....            | 196, 877            | 84, 537              | 281, 414       | 83, 254             | ( )                | ( )            |

<sup>1</sup> Not available.

Source: Returns to the Navy Department.

No. 532.—IMPORTS AND EXPORTS OF THE VIRGIN ISLANDS

NOTE.—For 1910 to 1917, figures for trade with United States cover years ended June 30, for total trade years ended Mar. 31; thereafter, all figures cover calendar years

| Year (see headnote) | Merchandise imports             |                      |             | Merchandise exports |                    |             |
|---------------------|---------------------------------|----------------------|-------------|---------------------|--------------------|-------------|
|                     | From United States <sup>1</sup> | From other countries | Total       | To United States    | To other countries | Total       |
|                     | Dollars                         | Dollars              | Dollars     | Dollars             | Dollars            | Dollars     |
| 1910.....           | 740, 174                        | -----                | 1, 296, 774 | 403, 926            | -----              | 469, 908    |
| 1911.....           | 810, 537                        | -----                | 1, 724, 826 | 135, 117            | -----              | 543, 526    |
| 1912.....           | 924, 700                        | -----                | 1, 683, 072 | 489, 639            | -----              | 548, 924    |
| 1913.....           | 894, 087                        | -----                | 1, 647, 356 | 48, 031             | -----              | 282, 152    |
| 1914.....           | 890, 966                        | -----                | 1, 712, 103 | 29, 374             | -----              | 331, 188    |
| 1915.....           | 703, 354                        | -----                | 1, 318, 769 | 350, 822            | -----              | 378, 859    |
| 1916.....           | 850, 377                        | -----                | 1, 222, 509 | 63, 496             | -----              | 260, 045    |
| 1917.....           | 1, 438, 904                     | -----                | (?)         | 1, 259, 607         | -----              | (?)         |
| 1918.....           | 1, 040, 103                     | 252, 328             | 1, 892, 429 | 1, 137, 501         | 111, 845           | 1, 249, 346 |
| 1919.....           | 1, 804, 117                     | 472, 395             | 2, 276, 512 | 1, 586, 120         | 326, 405           | 1, 919, 525 |
| 1920.....           | 3, 993, 478                     | 862, 619             | 4, 856, 097 | 4, 540, 386         | 208, 933           | 4, 749, 311 |
| 1921.....           | 2, 622, 396                     | 416, 354             | 3, 038, 750 | 734, 674            | 149, 061           | 883, 735    |
| 1922.....           | 1, 647, 353                     | 362, 598             | 2, 009, 951 | 734, 476            | 101, 029           | 835, 505    |
| 1923.....           | 1, 617, 625                     | 323, 142             | 1, 940, 767 | 414, 609            | 99, 433            | 514, 042    |
| 1924.....           | 1, 698, 495                     | 360, 223             | 2, 058, 718 | 394, 085            | 67, 471            | 461, 556    |
| 1925.....           | 1, 915, 277                     | (?)                  | (?)         | 1, 020, 748         | (?)                | (?)         |
| 1926.....           | 1, 799, 444                     | (?)                  | (?)         | 810, 410            | (?)                | (?)         |
| 1927.....           | 2, 053, 340                     | (?)                  | (?)         | 968, 463            | (?)                | (?)         |
| 1928.....           | 2, 277, 030                     | (?)                  | (?)         | 1, 195, 314         | (?)                | (?)         |
| 1929.....           | 2, 298, 269                     | (?)                  | (?)         | 803, 323            | (?)                | (?)         |
| 1930.....           | 1, 672, 903                     | (?)                  | (?)         | 768, 342            | (?)                | (?)         |
| 1931.....           | 1, 250, 406                     | (?)                  | (?)         | 408, 932            | (?)                | (?)         |
| 1932.....           | 929, 980                        | (?)                  | (?)         | 405, 163            | (?)                | (?)         |
| 1933.....           | 1, 075, 512                     | (?)                  | (?)         | 510, 846            | (?)                | (?)         |
| 1934.....           | 1, 544, 424                     | (?)                  | (?)         | 575, 052            | (?)                | (?)         |
| 1935.....           | 1, 666, 415                     | 835, 612             | 2, 503, 027 | 489, 126            | 64, 716            | 553, 842    |

<sup>1</sup> Figures represent exports, including reexports, from the United States Customs area to the Virgin Islands through 1934, and shipments from continental United States, thereafter.

<sup>2</sup> Not available.

Sources: Total trade, 1910 to 1915, from Danish Yearbook; 1916, from "The Virgin Islands of the United States of America", by Luther K. Zabriski; all other figures from Bureau of Foreign and Domestic Commerce.

No. 533.—IMPORTS AND EXPORTS OF GUAM

| Year ended—          | Merchandise imports |                      |          | Merchandise exports |                    |          |
|----------------------|---------------------|----------------------|----------|---------------------|--------------------|----------|
|                      | From United States  | From other countries | Total    | To United States    | To other countries | Total    |
|                      | Dollars             | Dollars              | Dollars  | Dollars             | Dollars            | Dollars  |
| June 30 :            | -----               | -----                | -----    | -----               | -----              | -----    |
| 1916.....            | 177, 163            | 79, 785              | 256, 948 | 33, 306             | 29, 007            | 62, 313  |
| 1917.....            | 114, 301            | 172, 351             | 286, 652 | 46, 972             | 33, 363            | 80, 335  |
| 1918.....            | 221, 241            | 136, 906             | 358, 147 | 68, 742             | 63, 016            | 131, 758 |
| Dec. 31:             | -----               | -----                | -----    | -----               | -----              | -----    |
| 1918 (6 months)..... | 108, 460            | 71, 543              | 180, 003 | 2, 901              | 36, 059            | 38, 960  |
| 1919.....            | 308, 465            | 138, 716             | 447, 181 | 49, 222             | 15, 330            | 64, 552  |
| 1920.....            | 234, 960            | 120, 692             | 355, 652 | 28, 432             | 22, 066            | 50, 498  |
| 1921.....            | 304, 111            | 179, 573             | 483, 684 | 15, 566             | 24, 776            | 40, 342  |
| 1922.....            | 424, 411            | 171, 709             | 596, 120 | 49, 426             | 13, 505            | 62, 931  |
| 1923.....            | 456, 824            | 217, 732             | 674, 556 | 77, 109             | 16, 977            | 94, 086  |
| 1924.....            | 380, 508            | 252, 215             | 632, 721 | 55, 192             | 10, 903            | 66, 095  |
| 1925.....            | 324, 619            | 261, 216             | 585, 835 | 89, 219             | 10, 735            | 99, 954  |
| 1926.....            | 275, 230            | 218, 125             | 493, 355 | 86, 298             | 32, 730            | 119, 028 |
| 1927.....            | 208, 660            | 195, 617             | 404, 277 | 112, 863            | 41, 408            | 154, 271 |
| 1928.....            | 326, 844            | 334, 420             | 661, 264 | 124, 677            | 117, 855           | 242, 532 |
| 1929.....            | 290, 980            | 521, 835             | 812, 815 | 54, 688             | 293, 681           | 348, 369 |
| 1930.....            | 375, 276            | 293, 143             | 668, 419 | 113, 151            | 84, 409            | 197, 560 |
| 1931.....            | 300, 728            | 278, 559             | 579, 287 | 37, 500             | 44, 110            | 81, 610  |
| 1932.....            | 213, 957            | 242, 904             | 456, 861 | 9, 129              | 40, 555            | 49, 684  |
| 1933.....            | 181, 296            | 197, 725             | 378, 991 | 5, 155              | 57, 294            | 62, 449  |
| 1934.....            | 183, 781            | 255, 426             | 439, 207 | 2, 072              | 29, 304            | 31, 376  |
| 1935.....            | 262, 814            | 375, 406             | 638, 220 | 52, 776             | 71, 412            | 124, 188 |

Source: Returns to the Navy Department.

# No. 534.—SHIPMENTS OF PRINCIPAL PRODUCTS TO THE UNITED STATES FROM ALASKA, HAWAII, PUERTO RICO, AND THE PHILIPPINE ISLANDS

NOTE.—Totals include items not shown separately. For gold shipments from Alaska see table 527

| Territory and product                             | Quantity  |           |           | Value (thousands of dollars) |        |        |        |
|---------------------------------------------------|-----------|-----------|-----------|------------------------------|--------|--------|--------|
|                                                   | 1933      | 1934      | 1935      | 1932                         | 1933   | 1934   | 1935   |
| <b>ALASKA</b>                                     |           |           |           |                              |        |        |        |
| Reindeer meat.....1,000 lbs..                     | 434       | 803       | 395       | 25                           | 43     | 72     | 35     |
| Fish.....do.....                                  | 297,834   | 386,047   | 285,056   | 25,464                       | 28,798 | 39,722 | 28,454 |
| Halibut, fresh and frozen.....do.....             | 8,000     | 8,074     | 8,993     | 657                          | 805    | 704    | 777    |
| Salmon, fresh and frozen.....do.....              | 6,829     | 4,519     | 8,194     | 544                          | 524    | 447    | 755    |
| Canned salmon.....do.....                         | 260,677   | 357,710   | 241,546   | 22,145                       | 25,621 | 36,811 | 24,150 |
| Cured or preserved fish.....do.....               | 20,475    | 13,926    | 24,826    | 1,445                        | 1,540  | 1,269  | 2,261  |
| Shellfish.....do.....                             | 1,758     | 1,620     | 1,678     | 673                          | 472    | 479    | 471    |
| Other fish products:                              |           |           |           |                              |        |        |        |
| Meal.....tons <sup>1</sup> .....                  | 10,063    | 12,634    | 13,870    | 268                          | 341    | 457    | 392    |
| Oil.....1,000 gals.....                           | 3,209     | 3,659     | 4,044     | 308                          | 421    | 614    | 1,126  |
| Furs and fur skins.....number.....                | 362,612   | 305,928   | 333,635   | 1,702                        | 2,028  | 2,555  | 2,125  |
| Whale oil.....1,000 gals.....                     | 332       | 1,005     | 1,208     | 116                          | 74     | 193    | 249    |
| Wood, timber, and lumber.....M ft.....            | 851       | 1,316     | 2,206     | 21                           | 43     | 43     | 80     |
| Copper (ore, matte, regulus).....1,000 lbs.....   | 101       | 89        | 25,123    | 723                          | 8      | 4      | 2,377  |
| Lead (ore, matte, regulus).....do.....            | 2,402     | 1,687     | 1,496     | 81                           | 86     | 66     | 68     |
| Total Alaskan products.....                       |           |           |           | 28,976                       | 31,937 | 43,852 | 35,313 |
| Articles produced in U. S. returned.....          |           |           |           | 1,103                        | 1,146  | 1,077  | 1,443  |
| Total foreign merchandise.....                    |           |           |           | 104                          | 49     | 129    | 113    |
| Total, all merchandise.....                       |           |           |           | 30,183                       | 33,131 | 45,059 | 36,869 |
| <b>HAWAII</b>                                     |           |           |           |                              |        |        |        |
| Fish, dried, canned, etc.....1,000 lbs.....       | 1,703     | 2,874     | 3,427     | 145                          | 304    | 543    | 582    |
| Coffee.....do.....                                | 4,158     | 5,405     | 5,399     | 926                          | 536    | 643    | 614    |
| Vegetables, fresh, canned, etc.....do.....        | 472       | 1,436     | 1,454     | 21                           | 21     | 58     | 60     |
| Fruits.....                                       |           |           |           | 20,680                       | 24,092 | 34,312 | 28,445 |
| Bananas.....bunches.....                          | 94,090    | 89,640    | 98,926    | 88                           | 92     | 89     | 97     |
| Pineapples (canned).....1,000 lbs.....            | 434,884   | 540,936   | 436,801   | 20,592                       | 23,825 | 34,156 | 28,239 |
| Hides and skins.....do.....                       | 1,558     | 1,473     | 1,602     | 53                           | 82     | 94     | 123    |
| Molasses.....1,000 gals.....                      | 7,604     | 18,873    | 28,570    | 318                          | 201    | 404    | 697    |
| Sugar:                                            |           |           |           |                              |        |        |        |
| Unrefined.....1,000 lbs.....                      | 1,989,066 | 1,807,337 | 1,840,971 | 55,600                       | 62,089 | 53,424 | 57,204 |
| Refined.....do.....                               | 45,946    | 31,455    | 30,117    | 1,988                        | 2,041  | 1,436  | 1,476  |
| Honey.....do.....                                 | 1,038     | 1,311     | 655       | 50                           | 38     | 67     | 27     |
| Pineapple juice.....do.....                       | 18        | 2,035     | 103,629   | (*)                          | 1      | 116    | 5,047  |
| Fiber insulating board <sup>2</sup> .....do.....  | 11,073    | 11,408    | 14,347    | 47                           | 371    | 376    | 443    |
| Citric acid.....do.....                           | 380       | 505       | 846       | 98                           | 95     | 122    | 221    |
| Alcohol, denatured.....1,000 gals.....            | 281       | 344       | 287       | 136                          | 106    | 172    | 143    |
| Total Hawaiian products.....                      |           |           |           | 80,494                       | 90,098 | 91,878 | 95,941 |
| Articles produced in U. S. returned.....          |           |           |           | 2,168                        | 2,121  | 2,575  | 2,715  |
| Total foreign merchandise.....                    |           |           |           | 26                           | 58     | 60     | 40     |
| Total, all merchandise.....                       |           |           |           | 82,688                       | 92,277 | 94,514 | 98,696 |
| <b>PUERTO RICO</b>                                |           |           |           |                              |        |        |        |
| Cotton and manufactures.....                      |           |           |           | 9,561                        | 12,308 | 12,473 | 14,261 |
| Handkerchiefs.....1,000 doz.....                  | 1,605     | 1,687     | 1,758     | 1,267                        | 920    | 979    | 874    |
| Wearing apparel.....do.....                       | 2,294     | 2,459     | 2,942     | 7,543                        | 10,800 | 10,987 | 12,913 |
| Linen manufactures.....do.....                    |           |           |           | 589                          | 643    | 1,247  | 1,247  |
| Silk dresses and underwear.....do.....            | 51,929    | 11,290    | 34,888    | 1,341                        | 654    | 117    | 461    |
| Hats of straw or fiber.....do.....                | 58,588    | 49,052    | 64,502    | 241                          | 381    | 314    | 341    |
| Vegetables, fresh, canned, etc.....1,000 lbs..... | 2,412     | 2,968     | 5,215     | 123                          | 147    | 151    | 219    |
| Fruits.....                                       |           |           |           | 2,945                        | 2,022  | 2,280  | 2,300  |
| Grapefruit, fresh.....boxes.....                  | 227,097   | 314,133   | 304,085   | 863                          | 679    | 725    | 680    |
| Oranges, fresh.....do.....                        | 14,487    | 22,076    | 7,403     | 48                           | 39     | 52     | 46     |
| Pineapples, fresh.....do.....                     | 410,223   | 418,878   | 411,510   | 1,764                        | 1,287  | 1,005  | 943    |
| Pineapples, canned, etc.....1,000 lbs.....        | 293       | 5,972     | 5,201     | 245                          | 19     | 391    | 456    |
| Pineapples, canned, etc.....do.....               | 185       | 1,326     | 2,180     | 27                           | 10     | 84     | 147    |
| Coconuts.....thousands.....                       | 4,151     | 7,255     | 10,295    | 215                          | 124    | 209    | 283    |
| Hides and skins.....1,000 lbs.....                | 1,174     | 1,324     | 1,676     | 52                           | 75     | 78     | 92     |
| Manganese ore (gross weight).....tons.....        | 1,688     | 1,711     | 3,358     | 66                           | 69     | 69     | 138    |
| Alcohol.....gals.....                             | 1,269,353 | 1,100,667 | 1,563,992 | 313                          | 354    | 347    | 492    |
| Coffee <sup>3</sup> .....1,000 lbs.....           | 1,594     | 1,769     | 1,223     | 126                          | 864    | 415    | 285    |
| Sugar, unrefined.....do.....                      | 1,310,327 | 1,468,734 | 1,422,302 | 44,677                       | 40,850 | 45,388 | 44,257 |
| Sugar, refined.....do.....                        | 214,174   | 184,632   | 218,865   | 7,187                        | 5,338  | 7,528  | 9,013  |
| Honey.....do.....                                 | 1,370     | 1,037     | 1,244     | 25                           | 48     | 55     | 86     |
| Molasses.....1,000 gals.....                      | 31,374    | 30,405    | 52,728    | 708                          | 758    | 1,162  | 2,682  |
| Leaf tobacco.....1,000 lbs.....                   | 15,265    | 15,272    | 17,657    | 2,682                        | 5,013  | 6,209  | 8,015  |
| Stems, scraps, etc.....do.....                    | 3,875     | 4,075     | 4,228     | 794                          | 536    | 606    | 570    |
| Cigars and cheroots.....thousands.....            | 63,715    | 63,375    | 60,104    | 1,668                        | 1,517  | 1,453  | 1,221  |
| Total Puerto Rican products.....                  |           |           |           | 73,594                       | 75,550 | 80,368 | 86,616 |
| Articles produced in U. S. returned.....          |           |           |           | 653                          | 649    | 810    | 1,099  |
| Total foreign merchandise.....                    |           |           |           | 43                           | 13     | 12     | 12     |
| Total, all merchandise.....                       |           |           |           | 74,290                       | 76,212 | 81,184 | 87,726 |

<sup>1</sup> Of 2,240 pounds.

<sup>2</sup> Less than 500.

<sup>3</sup> Includes a small amount of "other paper and manufactures" prior to 1935.

<sup>4</sup> Largely for transshipment to foreign countries.

**No. 534.—SHIPMENTS OF PRINCIPAL PRODUCTS TO THE UNITED STATES FROM ALASKA, HAWAII, PUERTO RICO, AND THE PHILIPPINE ISLANDS—Continued**

| Territory and product                    | Quantity  |           |           | Value (thousands of dollars) |               |               |               |
|------------------------------------------|-----------|-----------|-----------|------------------------------|---------------|---------------|---------------|
|                                          | 1933      | 1934      | 1935      | 1932                         | 1933          | 1934          | 1935          |
| <b>PHILIPPINE ISLANDS<sup>1</sup></b>    |           |           |           |                              |               |               |               |
| Sugar.....1,000 lbs.                     | 2,460,127 | 2,201,884 | 1,805,625 | 57,122                       | 66,516        | 61,438        | 51,998        |
| Oil cake and meal (coconut).....do.      | 20,335    | 72,009    | 102,339   | 61                           | 123           | 459           | 998           |
| Coconut meat, prepared.....do.           | 39,694    | 51,884    | 74,679    | 1,595                        | 1,665         | 2,212         | 3,781         |
| Copra.....do.                            | 442,168   | 338,087   | 441,066   | 3,431                        | 6,009         | 4,071         | 9,366         |
| Coconut oil.....do.                      | 316,078   | 314,802   | 353,396   | 7,619                        | 8,556         | 7,372         | 12,576        |
| Unmanufactured tobacco.....do.           | 1,627     | 1,495     | 2,909     | 433                          | 143           | 137           | 278           |
| Cigars and cheroots.....do.              | 1,824     | 3,182     | 4,201     | 3,066                        | 2,673         | 3,080         | 3,312         |
| Cotton wearing apparel.....do.           |           |           |           | 2,660                        | 1,831         | 2,121         | 5,240         |
| Cordage.....1,000 lbs.                   | 7,940     | 9,868     | 11,009    | 445                          | 666           | 915           | 914           |
| Manila fiber.....tons <sup>1</sup>       | 32,252    | 41,576    | 43,191    | 1,606                        | 1,833         | 2,760         | 3,450         |
| Hats of straw, etc.....thousands         | 802       | 671       | 222       | 336                          | 643           | 619           | 222           |
| Sawed cabinet woods.....M. ft.           | 16,411    | 17,352    | 25,816    | 256                          | 491           | 671           | 993           |
| Articles produced in U. S. returned..... |           |           |           | 361                          | 423           | 440           | 428           |
| <b>Total, all merchandise.....</b>       |           |           |           | <b>80,877</b>                | <b>93,048</b> | <b>88,570</b> | <b>99,979</b> |

<sup>1</sup> Of 2,240 pounds.

<sup>2</sup> Data represent shipments to the United States customs area; general imports through 1933 and imports for consumption thereafter.

Source: Bureau of Foreign and Domestic Commerce.

**No. 535.—SHIPMENTS OF MERCHANDISE FROM THE UNITED STATES TO ALASKA, HAWAII, PUERTO RICO, AND THE PHILIPPINE ISLANDS: VALUES**

NOTE.—Values in thousands of dollars. Totals include items not shown separately

| Commodity group or item                                          | Alaska        |               | Hawaii        |               | Puerto Rico   |               | Philippine Islands <sup>1</sup> |                  |
|------------------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------------------------|------------------|
|                                                                  | 1934          | 1935          | 1934          | 1935          | 1934          | 1935          | 1934                            | 1935             |
| <b>Total merchandise.....</b>                                    | <b>29,999</b> | <b>32,008</b> | <b>63,472</b> | <b>78,925</b> | <b>59,477</b> | <b>70,053</b> | <b>46,980</b>                   | <b>52,660</b>    |
| <b>Animals and Animal Products.....</b>                          | <b>2,820</b>  | <b>3,630</b>  | <b>6,364</b>  | <b>8,224</b>  | <b>8,730</b>  | <b>11,116</b> | <b>4,496</b>                    | <b>4,325</b>     |
| Meat products.....                                               | 1,218         | 1,669         | 2,540         | 3,398         | 3,038         | 3,976         | 530                             | 730              |
| Eggs.....                                                        | 381           | 482           | 457           | 583           | 81            | 34            | 10                              | 7                |
| Milk, condensed, evaporated, etc.....                            | 327           | 361           | 833           | 880           | 352           | 631           | 1,944                           | 1,459            |
| Butter and cheese.....                                           | 485           | 595           | 860           | 1,079         | 513           | 543           | 101                             | 73               |
| Fish.....                                                        | 80            | 91            | 698           | 764           | 319           | 238           | 791                             | 758              |
| Animal fats and oils, edible.....                                | 43            | 59            | 23            | 37            | 1,981         | 2,751         | ( <sup>2</sup> )                | ( <sup>2</sup> ) |
| Boots and shoes.....                                             | 117           | 121           | 637           | 753           | 2,075         | 2,520         | 135                             | 138              |
| Other leather manufactures.....                                  | 35            | 43            | 243           | 299           | 147           | 189           | 107                             | 122              |
| <b>Vegetable Food Products and Beverages.....</b>                | <b>4,643</b>  | <b>5,009</b>  | <b>12,191</b> | <b>14,281</b> | <b>13,651</b> | <b>16,233</b> | <b>3,962</b>                    | <b>3,873</b>     |
| Grains and preparations.....                                     | 627           | 633           | 4,554         | 5,261         | 9,271         | 11,332        | 1,897                           | 1,826            |
| Rice.....                                                        | 52            | 46            | 3,054         | 3,593         | 6,338         | 8,132         | 1                               | 8                |
| Wheat flour.....                                                 | 321           | 303           | 974           | 1,032         | 2,117         | 2,194         | 1,768                           | 1,141            |
| Biscuits and crackers.....                                       | 109           | 130           | 136           | 138           | 291           | 400           | 45                              | 70               |
| Fodders and feeds.....                                           | 90            | 92            | 1,530         | 1,736         | 611           | 604           | 9                               | 12               |
| Vegetables and preparations.....                                 | 633           | 693           | 1,469         | 1,861         | 2,304         | 2,366         | 531                             | 611              |
| Beans, dried.....                                                | 23            | 25            | 70            | 111           | 1,215         | 1,168         | 4                               | 8                |
| Potatoes.....                                                    | 109           | 118           | 190           | 226           | 430           | 359           | 43                              | 63               |
| Canned vegetables.....                                           | 308           | 324           | 426           | 509           | 183           | 179           | 192                             | 255              |
| Fruits and preparations.....                                     | 583           | 626           | 1,141         | 1,297         | 290           | 351           | 685                             | 784              |
| Oranges.....                                                     | 76            | 77            | 387           | 470           |               |               | 170                             | 258              |
| Apples.....                                                      | 59            | 64            | 158           | 175           | 43            | 54            | 127                             | 167              |
| Canned and preserved fruits.....                                 | 244           | 262           | 269           | 303           | 116           | 156           | 89                              | 140              |
| Coffee.....                                                      | 245           | 248           | 153           | 158           | 6             | 42            | 309                             | 332              |
| Sugar.....                                                       | 303           | 256           | 54            | 58            | 4             | 4             | 11                              | 16               |
| Confectionery.....                                               | 230           | 274           | 471           | 578           | 288           | 298           | 108                             | 180              |
| Beverages and fruit juices.....                                  | 1,616         | 1,830         | 1,879         | 2,198         | 481           | 395           | 76                              | 153              |
| <b>Vegetable Products, Inedible, Except Fibers and Wood.....</b> | <b>1,111</b>  | <b>1,205</b>  | <b>4,003</b>  | <b>4,644</b>  | <b>3,303</b>  | <b>4,159</b>  | <b>4,892</b>                    | <b>5,623</b>     |
| Rubber and manufactures.....                                     | 314           | 310           | 1,217         | 1,370         | 783           | 856           | 1,364                           | 1,559            |
| Boots and shoes <sup>3</sup> .....                               | 153           | 148           | 33            | 49            | 129           | 87            | 37                              | 121              |
| Automobile tires: Casings.....                                   | 41            | 48            | 864           | 951           | 453           | 525           | 920                             | 933              |
| <b>Tobacco:</b>                                                  |               |               |               |               |               |               |                                 |                  |
| Leaf.....                                                        |               |               |               |               | 341           | 378           | 317                             | 283              |
| Cigars and cheroots.....                                         | 81            | 87            | 167           | 195           | 5             | 4             |                                 |                  |
| Cigarettes.....                                                  | 439           | 545           | 1,845         | 2,198         | 2,420         | 2,620         | 2,555                           | 3,086            |
| Smoking.....                                                     | 151           | 152           | 450           | 485           | 2             | 2             | 18                              | 44               |

<sup>1</sup> Data represent exports of United States merchandise from the United States customs area.<sup>2</sup> Less than 500.<sup>3</sup> Includes canvas shoes with rubber soles.

**No. 535.—SHIPMENTS OF MERCHANDISE FROM THE UNITED STATES TO ALASKA, HAWAII, PUERTO RICO, AND THE PHILIPPINE ISLANDS: VALUES—CON.**

[Values in thousands of dollars]

| Commodity group or item                                             | Alaska |       | Hawaii |        | Puerto Rico |        | Philippine Islands <sup>1</sup> |       |
|---------------------------------------------------------------------|--------|-------|--------|--------|-------------|--------|---------------------------------|-------|
|                                                                     | 1934   | 1935  | 1934   | 1935   | 1934        | 1935   | 1934                            | 1935  |
| <b>Textiles</b> .....                                               | 2,056  | 2,026 | 4,680  | 5,586  | 12,547      | 13,935 | 7,874                           | 7,848 |
| Sewing, crochet, and embroidery cotton.....                         | 4      | 3     | 89     | 120    | 165         | 262    | 366                             | 459   |
| Cotton cloth, excluding duck and tire fabric.....                   | 73     | 61    | 925    | 1,164  | 7,549       | 7,802  | 5,087                           | 5,115 |
| Cotton wearing apparel.....                                         | 415    | 411   | 1,194  | 1,305  | 1,536       | 1,755  | 105                             | 112   |
| Other cotton manufactures, except cordage.....                      | 317    | 352   | 484    | 553    | 848         | 1,106  | 785                             | 686   |
| Bags of jute.....                                                   | 28     | 66    | 109    | 82     | 188         | 118    | 116                             | 105   |
| Cordage and twine (cotton, jute, and other).....                    | 238    | 230   | 92     | 118    | 116         | 168    | 107                             | 63    |
| Wool wearing apparel.....                                           | 287    | 310   | 258    | 310    | 201         | 311    | 30                              | 24    |
| Other wool manufactures.....                                        | 53     | 62    | 203    | 276    | 87          | 162    | 22                              | 24    |
| Silk manufactures.....                                              | 72     | 80    | 466    | 522    | 571         | 713    | 422                             | 315   |
| Rayon and other synthetic textiles.....                             | 20     | 16    | 216    | 287    | 546         | 728    | 430                             | 400   |
| <b>Wood and Paper</b> .....                                         | 1,766  | 1,966 | 4,305  | 5,134  | 3,048       | 3,887  | 1,638                           | 1,710 |
| Logs and timber.....                                                | 53     | 60    | 235    | 122    | 169         | 148    | 9                               | 11    |
| Boards, planks, and scantlings.....                                 | 335    | 341   | 967    | 1,129  | 993         | 1,162  | 46                              | 47    |
| Box shooks.....                                                     | 57     | 11    | 90     | 145    | 60          | 88     | 2                               | 18    |
| Wood furniture.....                                                 | 76     | 144   | 241    | 405    | 494         | 674    | 20                              | 26    |
| Paper and manufactures.....                                         | 765    | 795   | 2,412  | 2,873  | 1,144       | 1,506  | 1,430                           | 1,444 |
| <b>Nonmetallic Minerals</b> .....                                   | 2,347  | 2,917 | 8,149  | 9,655  | 3,250       | 3,201  | 4,980                           | 6,015 |
| Coal.....                                                           | 255    | 240   | 27     | 20     | 96          | 87     | 7                               | 27    |
| Petroleum and products.....                                         | 1,703  | 2,243 | 6,744  | 7,979  | 1,904       | 1,739  | 4,506                           | 5,375 |
| Gasoline.....                                                       | 930    | 1,059 | 3,685  | 4,652  | 1,102       | 1,014  | 1,935                           | 2,601 |
| Illuminating oil.....                                               | 70     | 61    | 459    | 494    | 348         | 338    | 890                             | 974   |
| Gas and fuel oil.....                                               | 423    | 844   | 1,790  | 1,984  | 189         | 96     | 852                             | 708   |
| Lubricating oil.....                                                | 236    | 243   | 579    | 649    | 214         | 196    | 555                             | 640   |
| <b>Metals and manufactures, except Machinery and Vehicles</b> ..... | 8,766  | 8,059 | 7,750  | 10,700 | 3,773       | 4,224  | 5,543                           | 6,269 |
| Iron and steel manufactures.....                                    | 8,525  | 7,770 | 6,892  | 9,349  | 3,341       | 3,621  | 4,950                           | 5,550 |
| Steel bars.....                                                     | 63     | 55    | 325    | 207    | 204         | 245    | 233                             | 137   |
| Galvanized sheets.....                                              | 108    | 93    | 150    | 241    | 360         | 392    | 1,179                           | 1,614 |
| Tin plates, terneplate, and tagger's tin.....                       | 631    | 422   | 2,755  | 4,859  | 35          | 53     | 776                             | 698   |
| Structural forms.....                                               | 150    | 274   | 449    | 293    | 141         | 355    | 249                             | 249   |
| Cast-iron pipe and fittings.....                                    | 14     | 17    | 254    | 225    | 489         | 129    | 95                              | 197   |
| Wire.....                                                           | 355    | 311   | 272    | 318    | 186         | 237    | 342                             | 440   |
| Wire nails.....                                                     | 49     | 68    | 80     | 94     | 86          | 108    | 204                             | 173   |
| Tin cans, finished or unfinished.....                               | 5,913  | 5,109 | 142    | 165    | 110         | 170    | 148                             | 78    |
| Stoves, ranges, furnaces.....                                       | 225    | 311   | 216    | 319    | 33          | 52     | 24                              | 23    |
| Tools.....                                                          | 107    | 124   | 184    | 220    | 124         | 141    | 221                             | 268   |
| Copper.....                                                         | 43     | 70    | 291    | 563    | 158         | 255    | 214                             | 279   |
| <b>Machinery and Vehicles</b> .....                                 | 4,425  | 4,865 | 7,614  | 11,169 | 4,318       | 6,028  | 7,699                           | 9,361 |
| Engines and parts.....                                              | 214    | 349   | 343    | 268    | 154         | 151    | 457                             | 427   |
| Electrical machinery and apparatus.....                             | 724    | 838   | 2,174  | 3,212  | 922         | 1,545  | 1,239                           | 1,578 |
| Agricultural machinery.....                                         | 133    | 187   | 253    | 269    | 178         | 184    | 234                             | 317   |
| Other machinery.....                                                | 2,514  | 2,618 | 2,008  | 2,493  | 1,183       | 1,589  | 2,175                           | 2,982 |
| Motor trucks and busses.....                                        | 203    | 214   | 470    | 814    | 447         | 544    | 971                             | 1,130 |
| Passenger automobiles.....                                          | 184    | 246   | 1,675  | 3,101  | 986         | 1,544  | 1,662                           | 1,980 |
| Automobile parts and accessories, except tires.....                 | 101    | 130   | 542    | 572    | 314         | 323    | 745                             | 724   |
| <b>Chemicals and Related Products</b> .....                         | 1,052  | 1,145 | 4,941  | 4,960  | 4,483       | 4,940  | 3,785                           | 4,768 |
| Chemicals.....                                                      | 190    | 201   | 747    | 887    | 446         | 573    | 702                             | 704   |
| Medicinal and pharmaceutical preparations.....                      | 182    | 202   | 502    | 514    | 876         | 860    | 593                             | 763   |
| Paints, pigments, and varnishes.....                                | 180    | 188   | 615    | 867    | 409         | 540    | 435                             | 526   |
| Explosives, fuses, etc.....                                         | 354    | 369   | 207    | 171    | 27          | 46     | 434                             | 633   |
| Fertilizers.....                                                    | 4      | 4     | 1,726  | 1,205  | 1,398       | 1,607  | 732                             | 996   |
| Soap, excluding scouring soap.....                                  | 106    | 121   | 568    | 602    | 848         | 888    | 258                             | 430   |
| <b>Miscellaneous</b> .....                                          | 982    | 1,187 | 3,475  | 4,512  | 1,925       | 2,329  | 2,131                           | 2,869 |
| Motion-picture films.....                                           | 100    | 179   | 124    | 214    | 57          | 74     | 67                              | 86    |
| Musical instruments.....                                            | 25     | 37    | 202    | 223    | 50          | 37     | 90                              | 112   |
| Toys, except rubber.....                                            | 24     | 39    | 118    | 163    | 166         | 210    | 41                              | 55    |
| Athletic and sporting goods.....                                    | 30     | 40    | 151    | 186    | 21          | 19     | 66                              | 67    |
| Books, pictures, and other printed matter.....                      | 255    | 239   | 1,064  | 1,180  | 268         | 346    | 739                             | 1,040 |
| Household and personal effects.....                                 | 126    | 186   | 278    | 392    | 137         | 124    | 96                              | 118   |

<sup>1</sup> Data represent shipments from the United States Customs Area.

Source: Bureau of Foreign and Domestic Commerce.

## 24.—IRRIGATION AND DRAINAGE

GENERAL NOTE.—Data in this section cover continental United States. "Government irrigation" tables relate only to works of the Bureau of Reclamation or to lands served in whole or in part by works controlled by the bureau. Tables 541 to 546 relate to irrigation enterprises of all sorts.

### No. 536.—GOVERNMENT IRRIGATION PROJECTS: CONSOLIDATED FINANCIAL STATEMENT, JUNE 30, 1935

#### DEBIT SIDE

|                                                                                                          |                 |                 |                 |
|----------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|
| Construction account, primary projects:                                                                  |                 |                 |                 |
| Cost of irrigation works                                                                                 |                 |                 |                 |
| Original construction                                                                                    | \$223, 208, 147 |                 |                 |
| Supplemental construction                                                                                | 12, 646, 038    |                 |                 |
| Value of works taken over                                                                                | 2, 050, 940     |                 |                 |
| Total construction cost                                                                                  |                 | \$237, 909, 125 |                 |
| Operation and maintenance prior to public notice (net)                                                   | 2, 803, 515     |                 |                 |
| Operation and maintenance deficits, arrearages and penalties                                             | 7, 203, 137     |                 |                 |
|                                                                                                          |                 | 10, 006, 752    |                 |
| Less—                                                                                                    |                 |                 |                 |
| Abandoned works and nonreimbursable cost, etc. (net)                                                     | 17, 112, 430    |                 |                 |
| Construction revenues                                                                                    | 6, 729, 587     |                 |                 |
| Contributed funds                                                                                        | 1, 781, 287     |                 |                 |
| Nonreimbursable appropriation (Rio Grande Dam)                                                           | 1, 000, 000     |                 |                 |
|                                                                                                          |                 | 26, 623, 275    |                 |
| Balance payable                                                                                          |                 |                 | \$221, 292, 603 |
| Yuma auxiliary project: Cost of works less construction revenues                                         |                 |                 | 899, 256        |
| Palo Verde Valley flood protection: Reconstruction and repairs                                           |                 |                 | 48, 918         |
| Secondary projects and general investigations: Cost of surveys and investigations less contributed funds |                 |                 | 2, 707, 417     |
| Plant and equipment                                                                                      |                 |                 | 647, 915        |
| Materials and supplies                                                                                   |                 |                 | 1, 269, 639     |
| Accounts receivable                                                                                      |                 |                 | 163, 137, 361   |
| Miscellaneous                                                                                            |                 |                 | 314, 008        |
| Cash on hand and in special deposit and in transit                                                       |                 |                 | 46, 771, 276    |
| Total debits                                                                                             |                 |                 | 437, 088, 391   |

#### CREDIT SIDE

|                                                            |               |                 |                 |
|------------------------------------------------------------|---------------|-----------------|-----------------|
| Security for repayment of cost of irrigation works:        |               |                 |                 |
| Contracted construction repayments                         |               | \$205, 627, 263 |                 |
| Yuma auxiliary contracted repayments                       |               | 604, 053        |                 |
|                                                            |               |                 | \$206, 231, 316 |
| Current accounts payable                                   |               |                 | 3, 739, 073     |
| Deferred and contingent obligations                        |               |                 | 1, 640, 685     |
| Reserves and undistributed profits                         |               |                 | 7, 905, 337     |
| Unadjusted credits: Collection vouchers in transit         |               |                 | 5, 071          |
| Operation and maintenance results, surplus                 |               |                 | 616, 401        |
| Government aid for reclamation of arid lands:              |               |                 |                 |
| Reclamation fund                                           |               | 160, 182, 376   |                 |
| National Industrial Recovery—Interior, reclamation         |               | 56, 941, 000    |                 |
| Public Works Administration                                |               | 510, 000        |                 |
| Special funds—                                             |               |                 |                 |
| Increase of compensation                                   |               | 2, 797, 080     |                 |
| Judgments, United States Courts                            |               | 602, 814        |                 |
| Rio Grande Dam                                             |               | 1, 000, 000     |                 |
| Wind River Indian (Riverton)                               |               | 359, 176        |                 |
| Drainage and cut-over lands                                |               | 99, 815         |                 |
| General investigations, 1923-Dec. 31, 1924                 |               | 266, 363        |                 |
| Arid, semiarid, swamp, and cut-over timberlands            |               | 35, 924         |                 |
| Columbia Basin irrigation project                          |               | 11, 634         |                 |
| Colorado River levee system                                |               | 445, 111        |                 |
| Palo Verde Valley flood protection                         |               | 49, 369         |                 |
| Claims for damages, act of Dec. 28, 1922                   |               | 239             |                 |
| Advances to reclamation fund: Treas. loans less repayments |               | 15, 000, 000    |                 |
| Total                                                      |               | 238, 301, 772   |                 |
| Less nonreimbursable appropriation, Rio Grande Dam         |               | 1, 000, 000     |                 |
|                                                            |               | 237, 301, 772   |                 |
| Less impairment of funds:                                  |               |                 |                 |
| Abandoned construction works and nonreimbursable cost      | \$3, 625, 913 |                 |                 |
| Operation and maintenance cost, uncollectible              | 453, 272      |                 |                 |
| Charge-offs, act of May 25, 1926                           | 14, 632, 340  |                 |                 |
| Washington office cost since Dec. 5, 1924                  | 1, 349, 952   |                 |                 |
| Other items                                                | 7, 740        |                 |                 |
| Less impounded funds, economy acts, reclamation fund       | 261, 047      |                 |                 |
|                                                            |               | 20, 350, 264    |                 |
| Total credits                                              |               |                 | 215, 951, 508   |
|                                                            |               |                 | 437, 088, 391   |

Source: Bureau of Reclamation, Department of the Interior.

**No. 537.—GOVERNMENT IRRIGATION PROJECTS: CONSTRUCTION COST, OTHER REIMBURSABLE COST, AND AMOUNT TO BE REPAID BY WATER USERS, TOTALS TO JUNE 30, 1935**

| State and project                       | Construction cost        | Operation and maintenance cost before public notice (net) | Operation and maintenance deficits and arrearsages and penalties | Deduction                                   |                                             | Total to be repaid by water users |
|-----------------------------------------|--------------------------|-----------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------|---------------------------------------------|-----------------------------------|
|                                         |                          |                                                           |                                                                  | Construction revenues and contributed funds | Abandoned works, nonreimbursable cost, etc. |                                   |
| Total                                   | Dollars<br>237, 909, 126 | Dollars<br>2, 803, 615                                    | Dollars<br>7, 203, 009                                           | Dollars<br>19, 501, 513                     | Dollars<br>17, 112, 430                     | Dollars<br>221, 301, 806          |
| Arizona: Salt River                     | 12, 744, 223             | 115, 994                                                  | 43, 428                                                          | 2, 312, 097                                 | 382, 097                                    | 10, 209, 450                      |
| Arizona-California: Yuma                | 9, 373, 126              | 378, 039                                                  | 174, 798                                                         | 202, 032                                    |                                             | 9, 723, 931                       |
| California: Orland                      | 2, 400, 288              | 3 11, 433                                                 | 8, 952                                                           | 28, 415                                     |                                             | 2, 369, 392                       |
| Colorado:                               |                          |                                                           |                                                                  |                                             |                                             |                                   |
| Grand Valley                            | 5, 017, 465              | 138, 621                                                  | 8, 316                                                           | 269, 693                                    | 482, 375                                    | 4, 082, 335                       |
| Uncompahgre                             | 6, 537, 953              | 311, 103                                                  | 204, 294                                                         | 24, 262                                     | 1, 260, 792                                 | 5, 768, 296                       |
| Idaho:                                  |                          |                                                           |                                                                  |                                             |                                             |                                   |
| Boise                                   | 16, 019, 249             | 422, 283                                                  | 920, 594                                                         | 548, 540                                    | 482, 394                                    | 16, 740, 193                      |
| King Hill                               | 1, 905, 919              |                                                           | 110, 122                                                         | 23, 187                                     | 1, 987, 854                                 |                                   |
| Minidoka <sup>1</sup>                   | 19, 232, 539             | 319, 464                                                  | 606, 384                                                         | 2, 024, 882                                 | 2 2, 288                                    | 18, 131, 217                      |
| Upper Snake River                       | 177, 562                 |                                                           |                                                                  |                                             |                                             | 177, 562                          |
| Kansas: Garden City                     | 342, 964                 | 52, 868                                                   |                                                                  | 61, 357                                     | 384, 475                                    |                                   |
| Montana:                                |                          |                                                           |                                                                  |                                             |                                             |                                   |
| Bitter Root                             | 747, 641                 |                                                           |                                                                  |                                             |                                             | 747, 641                          |
| Chain Lakes                             | 33, 754                  |                                                           |                                                                  |                                             |                                             | 33, 754                           |
| French Town                             | 3, 173                   |                                                           |                                                                  |                                             |                                             | 3, 173                            |
| Huntley                                 | 1, 562, 303              | 3 1, 000                                                  | 390, 724                                                         | 18, 372                                     | 462, 050                                    | 1, 871, 605                       |
| Milk River                              | 5, 902, 047              | 437, 140                                                  | 102, 395                                                         | 74, 306                                     | 1, 735, 969                                 | 5, 631, 306                       |
| Sun River                               | 7, 640, 990              | 133, 070                                                  | 103, 594                                                         | 47, 551                                     | 480, 214                                    | 7, 740, 889                       |
| Montana-North Dakota: Lower Yellowstone | 3, 686, 433              | 3 4, 757                                                  | 924, 718                                                         | 53, 532                                     | 382, 254                                    | 4, 169, 608                       |
| Nebraska-Wyoming: North Platte          | 19, 288, 602             | 743, 204                                                  | 1, 520, 715                                                      | 672, 993                                    |                                             | 20, 976, 618                      |
| Nevada:                                 |                          |                                                           |                                                                  |                                             |                                             |                                   |
| Humboldt                                | 595, 798                 |                                                           |                                                                  |                                             |                                             | 595, 794                          |
| Newlands                                | 7, 956, 007              | 3 2, 166                                                  | 49, 132                                                          | 52, 345                                     | 4, 437, 820                                 | 3, 513, 716                       |
| Truckee Storage                         | 28, 293                  |                                                           |                                                                  |                                             |                                             | 28, 293                           |
| New Mexico:                             |                          |                                                           |                                                                  |                                             |                                             |                                   |
| Carlsbad                                | 1, 464, 650              | 3 17, 752                                                 | 64, 766                                                          | 29, 108                                     | 4 374, 884                                  | 1, 107, 673                       |
| Hondo                                   | 339, 492                 | 32, 952                                                   |                                                                  | 656                                         | 3 371, 788                                  |                                   |
| New Mexico-Texas: Rio Grande            | 15, 196, 188             | 3 297, 858                                                | 80, 823                                                          | 1, 410, 882                                 | 4 334, 901                                  | 13, 227, 371                      |
| North Dakota:                           |                          |                                                           |                                                                  |                                             |                                             |                                   |
| Buford-Trenton                          | 223, 423                 | 3 32                                                      |                                                                  | 1, 968                                      | 7 221, 423                                  |                                   |
| Williston                               | 517, 630                 | 3 165                                                     |                                                                  | 100, 557                                    | 7 410, 908                                  |                                   |
| Oregon:                                 |                          |                                                           |                                                                  |                                             |                                             |                                   |
| Baker                                   | 281, 592                 |                                                           | 173                                                              | 5, 003                                      |                                             | 276, 762                          |
| Stanfield                               | 33, 413                  |                                                           |                                                                  |                                             |                                             | 33, 413                           |
| Umatilla                                | 5, 137, 937              |                                                           | 230, 874                                                         | 86, 496                                     | 4 888, 341                                  | 4, 363, 975                       |
| Vale                                    | 4, 205, 592              | 39, 157                                                   |                                                                  | 9, 053                                      |                                             | 4, 235, 696                       |
| Oregon-California: Klamath              | 6, 292, 905              | 85, 176                                                   | 87, 817                                                          | 228, 104                                    | 4 7, 500                                    | 6, 230, 295                       |
| Oregon-Idaho: Owyhee                    | 14, 231, 830             | 3 3, 121                                                  |                                                                  | 5, 688                                      |                                             | 14, 232, 020                      |
| South Dakota: Belle Fourche             | 4, 522, 532              | 3 1, 989                                                  | 680, 199                                                         | 25, 651                                     | 4 370, 032                                  | 4, 796, 059                       |
| Utah:                                   |                          |                                                           |                                                                  |                                             |                                             |                                   |
| Hyram                                   | 767, 458                 |                                                           |                                                                  | 9, 094                                      |                                             | 757, 464                          |
| Moon Lake                               | 95, 004                  |                                                           |                                                                  | 14                                          |                                             | 95, 000                           |
| Ogden                                   | 962, 064                 |                                                           |                                                                  | 849                                         |                                             | 961, 215                          |
| Salt Lake Basin                         | 2, 915, 885              |                                                           | 13, 971                                                          | 45, 036                                     |                                             | 2, 883, 921                       |
| Provo River                             | 27, 150                  |                                                           |                                                                  |                                             |                                             | 27, 150                           |
| Sanpete                                 | 14, 382                  |                                                           |                                                                  | 6                                           |                                             | 14, 377                           |
| Strawberry Valley                       | 3, 507, 423              | 10, 744                                                   | 89, 047                                                          | 258, 370                                    |                                             | 3, 348, 835                       |
| Washington:                             |                          |                                                           |                                                                  |                                             |                                             |                                   |
| Grand Coulee                            | 11, 419, 070             |                                                           |                                                                  | 54, 810                                     |                                             | 11, 364, 260                      |
| Okanogan                                | 1, 452, 129              | 3 47, 787                                                 | 27, 994                                                          | 6, 631                                      | 4 998, 727                                  | 420, 998                          |
| Yakima                                  | 26, 077, 267             | 3 64, 357                                                 | 177, 529                                                         | 444, 567                                    | 4 4, 215                                    | 25, 741, 647                      |
| Wyoming:                                |                          |                                                           |                                                                  |                                             |                                             |                                   |
| Casper-Alcova                           | 1, 772, 370              |                                                           |                                                                  | 21                                          |                                             | 1, 772, 349                       |
| Riverton                                | 4, 161, 466              |                                                           | 101, 809                                                         | 20, 173                                     |                                             | 4, 243, 102                       |
| Shoshone                                | 10, 046, 056             | 36, 097                                                   | 470, 839                                                         | 432, 398                                    | 4 1, 545, 120                               | 8, 576, 463                       |

<sup>1</sup> Includes nonreimbursable appropriation, \$1,000,000.

<sup>2</sup> Nonreimbursable cost.

<sup>3</sup> Contra.

<sup>4</sup> Authorized charge-offs.

<sup>5</sup> Abandoned works, \$1,490,390; authorized charge-off, \$497,464.

<sup>6</sup> Minidoka-Gooding combined with Minidoka in this report.

<sup>7</sup> Abandoned works.

<sup>8</sup> Yakima-Kittitas combined with Yakima in this report.

Source: Bureau of Reclamation, Department of the Interior.

No. 538.—GOVERNMENT IRRIGATION PROJECTS: ACCOUNTS RECEIVABLE; CONSTRUCTION WATER-RIGHT CHARGES, OPERATION AND MAINTENANCE CHARGES, AND RENTAL OF IRRIGATION WATER

| State and project           | Construction water-right charges |                                         |                            | Operation and maintenance charges (after public notice) |                                         |                            | Rental of irrigation water |                                         |                            |
|-----------------------------|----------------------------------|-----------------------------------------|----------------------------|---------------------------------------------------------|-----------------------------------------|----------------------------|----------------------------|-----------------------------------------|----------------------------|
|                             | Due to June 30, 1935             | Collected to June 30, 1935 <sup>1</sup> | Un-collected June 30, 1935 | Due to June 30, 1935                                    | Collected to June 30, 1935 <sup>1</sup> | Un-collected June 30, 1935 | Due to June 30, 1935       | Collected to June 30, 1935 <sup>1</sup> | Un-collected June 30, 1935 |
| Total                       | Dollars                          | Dollars                                 | Dolls.                     | Dollars                                                 | Dollars                                 | Dolls.                     | Dollars                    | Dollars                                 | Dolls.                     |
| 48,880,470                  | 45,895,938                       | 484,534                                 | 29,548,135                 | 29,303,945                                              | 244,190                                 | 9,493,237                  | 9,416,084                  | 77,204                                  |                            |
| Arizona:                    |                                  |                                         |                            |                                                         |                                         |                            |                            |                                         |                            |
| Salt River                  | 0,658,744                        | 0,658,744                               |                            |                                                         |                                         |                            | 2,246,726                  | 2,246,726                               |                            |
| Yuma auxiliary              | 595,220                          | 592,148                                 | 3,072                      | 468,893                                                 | 457,857                                 | 10,636                     | 12,428                     | 12,428                                  |                            |
| Arizona-California:         |                                  |                                         |                            |                                                         |                                         |                            |                            |                                         |                            |
| Yuma                        | 3,814,254                        | 3,810,782                               | 3,472                      | 3,772,444                                               | 3,745,500                               | 26,943                     | 547,644                    | 547,072                                 | 572                        |
| California: Orland          | 810,244                          | 773,815                                 | 45,429                     | 635,143                                                 | 600,068                                 | 35,075                     | 121,451                    | 121,451                                 |                            |
| Colorado:                   |                                  |                                         |                            |                                                         |                                         |                            |                            |                                         |                            |
| Grand Valley                | 159,183                          | 159,183                                 |                            | 358,516                                                 | 358,516                                 |                            | 511,931                    | 509,697                                 | 2,234                      |
| Uncompahgre                 | 490,113                          | 490,113                                 |                            | 1,008,684                                               | 1,008,684                               |                            | 1,224,770                  | 1,219,043                               | 5,727                      |
| Idaho:                      |                                  |                                         |                            |                                                         |                                         |                            |                            |                                         |                            |
| Boise                       | 4,016,042                        | 4,016,042                               |                            | 2,171,238                                               | 2,168,238                               | 3,000                      | 797,989                    | 797,989                                 |                            |
| King Hill                   |                                  |                                         |                            | 60,711                                                  | 60,711                                  |                            |                            |                                         |                            |
| Minidoka <sup>2</sup>       | 8,004,608                        | 7,982,682                               | 21,926                     | 2,071,254                                               | 2,071,168                               | 86                         | 682,942                    | 682,937                                 | 5                          |
| Montana:                    |                                  |                                         |                            |                                                         |                                         |                            |                            |                                         |                            |
| Huntley                     | 559,136                          | 559,136                                 |                            | 554,787                                                 | 554,787                                 |                            | 11,851                     | 11,851                                  |                            |
| Milk River                  | 76,763                           | 3,003                                   | 73,760                     | 331,461                                                 | 311,447                                 | 20,014                     | 237,736                    | 228,597                                 | 9,139                      |
| Sun River                   | 218,910                          | 218,814                                 | 96                         | 168,719                                                 | 168,719                                 |                            | 132,251                    | 131,016                                 | 1,235                      |
| Montana-North Dakota:       |                                  |                                         |                            |                                                         |                                         |                            |                            |                                         |                            |
| Lower Yellowstone           | 292,158                          | 292,158                                 |                            | 340,484                                                 | 340,484                                 |                            | 136,049                    | 135,664                                 | 385                        |
| Nebraska-Wyoming:           |                                  |                                         |                            |                                                         |                                         |                            |                            |                                         |                            |
| North Platte                | 3,977,259                        | 3,920,121                               | 57,138                     | 1,911,130                                               | 1,903,395                               | 7,735                      | 344,944                    | 344,918                                 | 25                         |
| Nevada: Newlands            | 1,185,021                        | 1,183,729                               | 1,291                      | 1,174,582                                               | 1,174,582                               |                            | 28,291                     | 28,291                                  |                            |
| New Mexico:                 |                                  |                                         |                            |                                                         |                                         |                            |                            |                                         |                            |
| Carlsbad                    | 885,695                          | 885,695                                 |                            | 933,405                                                 | 933,405                                 |                            | 40,117                     | 40,099                                  | 17                         |
| Hondo                       |                                  |                                         |                            |                                                         |                                         |                            | 9,130                      | 9,130                                   |                            |
| New Mex co-Texas            |                                  |                                         |                            |                                                         |                                         |                            |                            |                                         |                            |
| Rio Grande                  | 3,092,524                        | 3,092,524                               |                            | 4,049,570                                               | 4,032,721                               | 16,849                     | 1,478,841                  | 1,463,794                               | 15,047                     |
| North Dakota:               |                                  |                                         |                            |                                                         |                                         |                            |                            |                                         |                            |
| Buford-Trenton              |                                  |                                         |                            | 2,317                                                   | 2,317                                   |                            | 32                         | 32                                      |                            |
| Williston                   |                                  |                                         |                            | 34,043                                                  | 34,043                                  |                            | 2,117                      | 2,117                                   |                            |
| Oregon:                     |                                  |                                         |                            |                                                         |                                         |                            |                            |                                         |                            |
| Umatilla                    | 540,574                          | 404,861                                 | 135,713                    | 385,602                                                 | 385,602                                 |                            | 96,278                     | 69,501                                  | 26,777                     |
| Vale                        |                                  |                                         |                            | 10,787                                                  | 10,787                                  |                            | 22,126                     | 21,074                                  | 1,052                      |
| Oregon-California:          |                                  |                                         |                            |                                                         |                                         |                            |                            |                                         |                            |
| Klamath                     | 1,144,452                        | 1,135,830                               | 8,622                      | 1,290,527                                               | 1,286,223                               | 4,304                      | 354,845                    | 350,641                                 | 4,204                      |
| Oregon-Idaho:               |                                  |                                         |                            |                                                         |                                         |                            |                            |                                         |                            |
| Owyhee                      |                                  |                                         |                            | 250                                                     | 250                                     |                            | 4,649                      | 4,614                                   | 35                         |
| South Dakota: Belle Fourche | 624,129                          | 624,129                                 |                            | 1,132,309                                               | 1,132,309                               |                            | 9,917                      | 9,689                                   | 228                        |
| Utah:                       |                                  |                                         |                            |                                                         |                                         |                            |                            |                                         |                            |
| Salt Lake Basin             | 1,223                            | 1,223                                   |                            |                                                         |                                         |                            |                            |                                         |                            |
| Strawberry Valley           | 1,373,746                        | 1,348,050                               | 25,696                     | 376,881                                                 | 376,881                                 |                            | 17,596                     | 17,596                                  |                            |
| Washington:                 |                                  |                                         |                            |                                                         |                                         |                            |                            |                                         |                            |
| Okanogan                    | 134,650                          | 134,650                                 |                            | 371,442                                                 | 371,442                                 |                            | 110,645                    | 110,645                                 |                            |
| Yakima <sup>3</sup>         | 6,734,513                        | 6,626,387                               | 108,126                    | 5,379,384                                               | 5,260,786                               | 118,598                    | 183,928                    | 174,374                                 | 9,554                      |
| Wyoming:                    |                                  |                                         |                            |                                                         |                                         |                            |                            |                                         |                            |
| Riverton                    |                                  |                                         |                            |                                                         |                                         |                            | 40,796                     | 40,796                                  |                            |
| Shoshone                    | 982,310                          | 982,116                                 | 194                        | 554,073                                                 | 553,034                                 | 1,039                      | 85,218                     | 84,250                                  | 967                        |

<sup>1</sup> Cash and other credits. Figures represent total collections of amounts due. Additional collections representing payments in advance of due dates, penalties, and interest, and refunds totaled \$1,311,258 for construction water-right charges and \$710,658 for operation and maintenance charges, making the grand total collections under these accounts, \$47,207,194 and \$30,014,599, respectively. Contributed funds applying to construction cost, which are not included in the above table, amounted to \$1,781,257.

<sup>2</sup> Minidoka-Gooding combined with Minidoka in this report.

<sup>3</sup> Yakima-Kittitas combined with Yakima in this report.

Source: Bureau of Reclamation, Department of the Interior.



**No. 539.—GOVERNMENT IRRIGATION PROJECTS: ACREAGE IRRIGABLE, IRRIGATED, AND CROPPED, AND VALUE<sup>1</sup> OF CROPS, BY PROJECTS, 1934**

NOTE.—Data are for calendar year (irrigation season) except on Salt River project, where data are for corresponding "agricultural year", October 1933 to September 1934

| State and project                                         | Lands in projects proper       |                   |                 |                | Other lands served by Government works <sup>1</sup> |                   |                 |                |
|-----------------------------------------------------------|--------------------------------|-------------------|-----------------|----------------|-----------------------------------------------------|-------------------|-----------------|----------------|
|                                                           | Irrigable acreage <sup>2</sup> | Irrigated acreage | Cropped acreage | Crop value     | Irrigable acreage                                   | Irrigated acreage | Cropped acreage | Crop value     |
|                                                           |                                |                   |                 | <i>Dollars</i> |                                                     |                   |                 | <i>Dollars</i> |
| <b>Grand total</b> .....                                  | 1,986,268                      | 1,552,124         | 1,527,104       | 60,928,969     | 1,508,377                                           | 1,285,081         | 1,229,594       | 40,014,745     |
| <b>Total with irrigation</b> .....                        | 1,986,268                      | 1,552,124         | 1,484,405       | 59,628,327     | 1,508,377                                           | 1,285,081         | 1,229,594       | 40,014,745     |
| Arizona: Salt River.....                                  | 245,748                        | 222,092           | 218,544         | 16,514,901     | 93,967                                              | 52,317            | 52,317          | 2,407,493      |
| Arizona-California: Yuma.....                             | 65,141                         | 50,094            | 47,632          | 2,714,282      | 200                                                 | 168               | 148             | 19,107         |
| California: Orland.....                                   | 20,634                         | 14,028            | 13,205          | 448,197        | -----                                               | -----             | -----           | -----          |
| Colorado: Grand Valley.....                               | 23,230                         | 16,213            | 15,188          | 567,216        | 18,400                                              | 14,448            | 14,448          | 778,779        |
| Uncompahgre.....                                          | 75,654                         | 57,829            | 57,739          | 1,266,766      | 1,650                                               | 1,550             | 1,460           | 37,260         |
| Idaho: Boise.....                                         | 166,409                        | 152,120           | 144,582         | 3,305,180      | 144,068                                             | 136,877           | 132,254         | 3,035,865      |
| Minidoka.....                                             | 116,477                        | 98,121            | 84,654          | 1,648,814      | 719,557                                             | 659,581           | 615,097         | 19,000,744     |
| Montana: Bitter Root Irrigation District.....             | 17,376                         | 15,527            | 15,313          | 375,486        | -----                                               | -----             | -----           | -----          |
| Huntley.....                                              | 28,952                         | 23,936            | 23,036          | 816,670        | -----                                               | -----             | -----           | -----          |
| Milk River.....                                           | 134,657                        | 49,777            | 49,777          | 1,176,290      | -----                                               | -----             | -----           | -----          |
| Sun River.....                                            | 61,366                         | 36,776            | 39,075          | 682,233        | -----                                               | -----             | -----           | -----          |
| Montana-North Dakota: Lower Yellowstone.....              | 42,480                         | 36,348            | 36,348          | 1,191,102      | -----                                               | -----             | -----           | -----          |
| Nebraska-Wyoming: North Platte.....                       | 234,419                        | 212,415           | 175,985         | 4,651,432      | 127,630                                             | 106,630           | 101,717         | 2,353,313      |
| Nevada: Newlands.....                                     | 60,123                         | 41,149            | 40,056          | 696,256        | -----                                               | -----             | -----           | -----          |
| New Mexico: Carlsbad.....                                 | 26,055                         | 24,714            | 18,714          | 823,271        | -----                                               | -----             | -----           | -----          |
| New Mexico-Texas: Rio Grande.....                         | 155,000                        | 129,092           | 123,822         | 9,954,272      | 77,000                                              | 44,173            | 44,154          | 1,803,271      |
| Oregon: Umatilla.....                                     | 13,392                         | 11,077            | 10,730          | 192,684        | 784                                                 | 654               | 654             | 16,935         |
| Vale.....                                                 | 16,854                         | 6,413             | 5,581           | 140,778        | -----                                               | -----             | -----           | -----          |
| Oregon-California: Klamath.....                           | 60,545                         | 49,903            | 49,554          | 1,898,953      | 62,862                                              | 35,571            | 35,498          | 991,959        |
| South Dakota: Belle Fourche.....                          | 60,480                         | 42,625            | 43,405          | 1,022,446      | -----                                               | -----             | -----           | -----          |
| Utah: Salt Lake Basin.....                                | -----                          | -----             | -----           | -----          | 89,000                                              | 86,500            | 85,400          | 2,337,525      |
| Strawberry Valley.....                                    | 42,056                         | 38,654            | 34,003          | 524,003        | 6,273                                               | 5,762             | 5,537           | 103,184        |
| Washington: Okanogan.....                                 | 5,750                          | 3,585             | 3,334           | 565,330        | -----                                               | -----             | -----           | -----          |
| Yakima.....                                               | 208,483                        | 167,529           | 156,470         | 7,355,319      | 166,717                                             | 140,581           | 140,581         | 7,116,946      |
| Wyoming: Riverton.....                                    | 32,000                         | 7,532             | 6,968           | 110,196        | 269                                                 | 269               | 269             | 4,374          |
| Shoshone.....                                             | 87,088                         | 49,576            | 49,130          | 988,260        | -----                                               | -----             | -----           | -----          |
| <b>Total cropped without irrigation<sup>3</sup></b> ..... | -----                          | -----             | 62,699          | 1,300,642      | -----                                               | -----             | -----           | -----          |
| Milk River.....                                           | -----                          | -----             | 4,230           | 12,750         | -----                                               | -----             | -----           | -----          |
| Sun River.....                                            | -----                          | -----             | 2,116           | 24,108         | -----                                               | -----             | -----           | -----          |
| Klamath.....                                              | -----                          | -----             | 56,353          | 1,263,784      | -----                                               | -----             | -----           | -----          |

<sup>1</sup> Usually furnished with a partial water supply through private canals under Warren Act or other water service contracts.

<sup>2</sup> Areas for which Bureau was prepared to supply water in 1934.

<sup>3</sup> Area dry farmed in the Lower Yellowstone project during the season of 1934 was a total failure.

Source: Bureau of Reclamation, Department of the Interior.

# No. 540.—GOVERNMENT IRRIGATION PROJECTS: ACREAGE, PRODUCTION, AND VALUE OF CROPS

[Acreage in thousands and value in thousands of dollars, except for individual crops]

| Year      | Government projects proper |                      |                                 |                            | Warren Act land      |                    |               | Entire area          |                    |               |
|-----------|----------------------------|----------------------|---------------------------------|----------------------------|----------------------|--------------------|---------------|----------------------|--------------------|---------------|
|           | Irrigable<br>acreage       | Irrigated<br>acreage | Cropped<br>acreage <sup>1</sup> | Crop<br>value <sup>1</sup> | Irrigated<br>acreage | Cropped<br>acreage | Crop<br>value | Irrigated<br>acreage | Cropped<br>acreage | Crop<br>value |
| 1921..... | 1,674                      | 1,228                | 1,158                           | 49,620                     | 1,001                | 970                | 44,906        | 2,229                | 2,128              | 94,526        |
| 1922..... | 1,693                      | 1,202                | 1,169                           | 50,361                     | 983                  | 951                | 33,241        | 2,185                | 2,120              | 83,602        |
| 1923..... | 1,718                      | 1,214                | 1,180                           | 85,046                     | 1,051                | 993                | 37,558        | 2,265                | 2,173              | 102,604       |
| 1924..... | 1,806                      | 1,201                | 1,217                           | 96,489                     | 981                  | 890                | 43,238        | 2,222                | 2,106              | 109,726       |
| 1925..... | 1,803                      | 1,320                | 1,243                           | 77,609                     | 1,019                | 951                | 53,656        | 2,340                | 2,194              | 131,256       |
| 1926..... | 1,845                      | 1,411                | 1,362                           | 60,655                     | 1,097                | 950                | 49,750        | 2,508                | 2,311              | 110,415       |
| 1927..... | 1,957                      | 1,379                | 1,432                           | 72,047                     | 1,148                | 1,072              | 61,180        | 2,527                | 2,504              | 133,207       |
| 1928..... | 1,883                      | 1,442                | 1,489                           | 81,078                     | 1,235                | 1,192              | 62,495        | 2,677                | 2,681              | 143,573       |
| 1929..... | 1,922                      | 1,484                | 1,512                           | 88,459                     | 1,234                | 1,193              | 72,720        | 2,718                | 2,705              | 161,180       |
| 1930..... | 1,993                      | 1,505                | 1,551                           | 65,007                     | 1,286                | 1,254              | 54,655        | 2,791                | 2,805              | 119,662       |
| 1931..... | 2,027                      | 1,563                | 1,620                           | 40,554                     | 1,294                | 1,252              | 33,406        | 2,847                | 2,772              | 73,000        |
| 1932..... | 2,039                      | 1,555                | 1,579                           | 31,531                     | 1,214                | 1,196              | 18,627        | 2,770                | 2,775              | 50,158        |
| 1933..... | 2,025                      | 1,590                | 1,699                           | 48,768                     | 1,239                | 1,199              | 36,426        | 2,829                | 2,798              | 84,192        |
| 1934..... | 1,986                      | 1,552                | 1,627                           | 60,929                     | 1,285                | 1,230              | 40,015        | 2,837                | 2,757              | 100,944       |
| 1935..... | 2,114                      | 1,641                | 1,604                           | 63,602                     | 1,295                | 1,257              | 43,180        | 2,936                | 2,861              | 106,781       |

## GOVERNMENT PROJECTS PROPER—INDIVIDUAL CROPS<sup>1</sup>

| Crop                  | Acreage cropped |           | Production |            | Crop value |            | Yield per acre |         |
|-----------------------|-----------------|-----------|------------|------------|------------|------------|----------------|---------|
|                       | 1934            | 1935      | 1934       | 1935       | 1934       | 1935       | 1934           | 1935    |
| Total, all crops..... | 1,527,104       | 1,604,166 |            |            | 80,928,989 | 63,601,693 |                |         |
| Cereals.....          | 360,195         | 402,465   | 10,804,834 | 12,894,830 | 6,922,437  | 7,032,819  |                |         |
| Barley.....           | 75,592          | 75,371    | 2,818,087  | 2,869,161  | 1,768,706  | 1,177,609  | 37.3           | 38.1    |
| Corn.....             | 54,078          | 78,960    | 1,195,375  | 2,077,502  | 924,410    | 1,199,016  | 22.1           | 26.3    |
| Oats.....             | 72,386          | 76,295    | 2,911,064  | 3,001,971  | 1,337,052  | 936,185    | 40.0           | 39.4    |
| Rye.....              | 3,352           | 1,619     | 58,863     | 24,683     | 41,040     | 11,745     | 17.6           | 15.2    |
| Wheat.....            | 144,787         | 170,220   | 3,820,946  | 4,921,513  | 2,849,729  | 3,707,964  | 28.4           | 28.6    |
| Other seeds.....      | 28,074          | 62,539    | 147,657    | 634,953    | 1,006,321  | 1,958,210  |                |         |
| Alfalfa seed.....     | 19,300          | 25,551    | 73,607     | 83,036     | 615,627    | 525,621    | 3.8            | 3.2     |
| Clover seed.....      | 6,529           | 7,002     | 28,389     | 33,373     | 250,775    | 205,338    | 4.3            | 4.4     |
| Other.....            | 2,246           | 20,386    | 45,661     | 518,544    | 139,919    | 1,227,251  | 20.3           | 17.7    |
| Hay and forage.....   | 1,155,633       | 1,212,115 | 1,503,611  | 1,729,351  | 15,548,928 | 15,324,208 |                |         |
| Alfalfa hay.....      | 442,086         | 476,660   | 1,258,230  | 1,441,060  | 12,582,874 | 10,487,913 | 2.8            | 3.0     |
| Clover hay.....       | 10,638          | 7,324     | 14,991     | 11,009     | 100,227    | 52,695     | 1.4            | 1.5     |
| Other hay.....        | 100,660         | 107,304   | 125,308    | 155,823    | 1,095,798  | 1,433,788  | 1.2            | 1.5     |
| Corn forage.....      | 24,298          | 17,851    | 69,376     | 70,270     | 399,257    | 269,278    | 2.8            | 3.9     |
| Other forage.....     | 119,537         | 158,643   | 36,556     | 51,183     | 481,805    | 376,963    | .3             | .3      |
| Pasture.....          | 458,414         | 444,297   |            |            | 3,288,967  | 2,709,599  |                |         |
| Vegetables.....       | 167,329         | 165,156   | Bushels    | Bushels    |            |            | Bushels        | Bushels |
| Beans.....            | 43,828          | 33,530    | 18,463,613 | 19,975,796 | 10,259,892 | 12,289,428 |                |         |
| Onions.....           | 2,282           | 2,672     | 637,884    | 660,273    | 1,182,347  | 847,950    | 14.6           | 19.7    |
| Potatoes, white.....  | 72,103          | 67,142    | 404,801    | 845,523    | 280,149    | 325,161    | 177.5          | 316.5   |
| Potatoes, sweet.....  | 1,648           | 1,827     | 11,220,194 | 12,965,960 | 3,654,135  | 4,439,361  | 155.7          | 193.3   |
| Truck.....            | 47,368          | 59,985    | 200,634    | 197,490    | 163,215    | 140,336    | 124.0          | 108.1   |
|                       |                 |           |            | 5,306,550  | 4,980,046  | 6,535,620  |                | 88.4    |
| Fruits and nuts.....  | 60,671          | 61,243    | 1,000 lbs. | 1,000 lbs. |            |            | Pounds         | Pounds  |
| Apples.....           | 24,994          | 24,210    | 540,653    | 665,638    | 7,094,534  | 8,481,013  |                |         |
| Peaches.....          | 3,710           | 3,738     | 330,487    | 355,398    | 3,109,276  | 2,927,409  | 13,240         | 14,700  |
| Pears.....            | 8,064           | 8,112     | 22,368     | 20,288     | 339,612    | 442,821    | 6,030          | 5,430   |
| Prunes.....           | 2,258           | 2,133     | 68,614     | 79,868     | 121,048    | 725,040    | 8,560          | 9,840   |
| Citrus fruits.....    | 11,323          | 11,339    | 15,708     | 18,958     | 150,914    | 233,944    | 7,000          | 8,920   |
| Small fruits.....     | 6,111           | 6,935     | 68,778     | 166,293    | 1,565,007  | 2,919,266  | 6,070          | 14,050  |
| Miscellaneous.....    | 5,211           | 4,276     | 22,270     | 20,824     | 678,465    | 1,041,895  | 4,360          | 3,000   |
|                       |                 |           | 11,929     | 4,011      | 423,312    | 170,638    | 2,290          | 950     |
| Miscellaneous.....    | 285,538         | 348,980   |            |            | 17,096,867 | 18,536,987 |                |         |
| Cotton.....           |                 |           | 69,038     | 64,060     | 8,904,024  | 8,652,647  | 550.0          | 482.8   |
| Cottonseed.....       | 125,521         | 132,693   | 123,848    | 114,445    | 2,108,421  | 1,835,142  | 966.7          | 862.5   |
|                       |                 |           |            |            |            |            |                |         |
| Sugar beets.....      | 87,350          | 78,306    | Tons       | Tons       | 4,582,366  | 5,402,891  | 8.7            | 12.0    |
| Other crops.....      | 72,667          | 139,961   | 761,378    | 914,262    | 1,502,045  | 2,645,307  |                |         |
| Duplication.....      | 520,236         | 648,312   |            |            |            |            |                |         |

<sup>1</sup> Figures include nonirrigated crops grown on projects.

Source: Bureau of Reclamation, Department of the Interior.

## No. 541.—IRRIGATION: SUMMARY FOR THE 19 IRRIGATION STATES

NOTE.—Tables 541 to 544 relate to irrigation enterprises of all types, including those operated by individual farmers. They are based on reports of the management of the enterprises. An enterprise is defined as "an independent irrigation establishment and includes the works for supplying water and the land for which water is supplied, except that the cost and value of the land is not included in the capital invested." Statistics cover the nineteen irrigation States shown in table 543.

| Item                                                                                                                  | Census of—       |                  |             | Per cent increase 1920–1930 <sup>1</sup> |
|-----------------------------------------------------------------------------------------------------------------------|------------------|------------------|-------------|------------------------------------------|
|                                                                                                                       | 1910             | 1920             | 1930        |                                          |
| All farms.....number.....                                                                                             | 1, 776, 046      | 1, 916, 391      | 2, 062, 813 | 7. 6                                     |
| All land in farms.....1,000 acres.....                                                                                | 416, 463         | 505, 441         | 568, 694    | 12. 6                                    |
| Approximate land area.....do.....                                                                                     | 1, 224, 063      | 1, 223, 989      | 1, 233, 989 | —                                        |
| Farms irrigated.....number.....                                                                                       | 162, 723         | 222, 780         | 265, 147    | 19. 0                                    |
| Area irrigated.....1,000 acres.....                                                                                   | 14, 433          | 19, 192          | 19, 543     | 1. 9                                     |
| Area of irrigated crops harvested.....do.....                                                                         | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 14, 633     | —                                        |
| Area enterprises were capable of supplying with water.....1,000 acres.....                                            | 20, 285          | 26, 020          | 26, 102     | 0. 3                                     |
| Area in enterprises <sup>3</sup> .....do.....                                                                         | 32, 245          | 35, 891          | 30, 500     | —                                        |
| Proportion irrigated:                                                                                                 |                  |                  |             |                                          |
| All farms.....per cent.....                                                                                           | 9. 2             | 11. 6            | 12. 9       | —                                        |
| All land in farms.....do.....                                                                                         | 3. 5             | 3. 8             | 3. 4        | —                                        |
| Approximate land area.....do.....                                                                                     | 1. 2             | 1. 6             | 1. 6        | —                                        |
| Excess of area enterprises were capable of supplying with water over area irrigated.....1,000 acres.....              | 5, 852           | 6, 820           | 6, 554      | —4. 0                                    |
| Excess of area in enterprises <sup>3</sup> over area irrigated.....do.....                                            | 17, 812          | 16, 690          | 11, 052     | —                                        |
| Area in enterprises available, or to be available, for settlement.....1,000 acres.....                                | ( <sup>4</sup> ) | 2, 268           | 1, 682      | —25. 5                                   |
| Value of irrigated farms [land, buildings (including dwellings), and implements and machinery].....1,000 dollars..... | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 4, 886, 893 | —                                        |
| Average, per acre.....dollars.....                                                                                    | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 62. 38      | —                                        |
| Value of irrigated crops harvested.....1,000 dollars.....                                                             | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 890, 043    | —                                        |
| Investment in irrigation enterprises.....do.....                                                                      | 321, 454         | 697, 657         | 1, 032, 766 | 48. 0                                    |
| Average per acre, based on area enterprises were capable of supplying with water.....dollars.....                     | 15. 85           | 26. 81           | 39. 57      | 47. 6                                    |
| Estimated final cost of existing enterprises.....1,000 dollars.....                                                   | 437, 049         | 819, 778         | 1, 155, 108 | 40. 9                                    |
| Average per acre, based on area in enterprises <sup>3</sup> .....dollars.....                                         | 13. 53           | 22. 84           | 37. 75      | —                                        |
| Average annual cost, per acre, for maintenance and operation of irrigation works.....dollars.....                     | —                | 2. 43            | 2. 77       | 14. 0                                    |

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> Total area, 1910 and 1920, irrigable area, 1930.

<sup>3</sup> Figures not available.

<sup>4</sup> Not reported.

## No. 542.—IRRIGATION: ACREAGE AND INVESTMENT IN ENTERPRISES, BY CHARACTER OF ENTERPRISE, 1920 AND 1930

NOTE.—See headline, table 541

| Item and character                          | Area irrigated (acres) |              | Area enterprises were capable of supplying with water (acres) |              | Area in enterprises (acres) <sup>1</sup> |              | Investment (thousands of dollars), 1930 |
|---------------------------------------------|------------------------|--------------|---------------------------------------------------------------|--------------|------------------------------------------|--------------|-----------------------------------------|
|                                             | 1919                   | 1920         | 1920                                                          | 1930         | 1920                                     | 1930         |                                         |
| Total.....                                  | 19, 191, 716           | 19, 547, 544 | 26, 020, 477                                                  | 26, 101, 890 | 35, 890, 821                             | 30, 509, 470 | 1, 032, 756                             |
| Individual and partnership.....             | 6, 848, 807            | 6, 410, 581  | 9, 265, 756                                                   | 7, 982, 142  | 13, 008, 415                             | 8, 969, 051  | 327, 867                                |
| Cooperative.....                            | 6, 531, 400            | 6, 271, 334  | 8, 403, 298                                                   | 7, 861, 081  | 10, 628, 543                             | 8, 698, 800  | 179, 330                                |
| Irrigation district.....                    | 1, 822, 887            | 3, 452, 275  | 2, 531, 425                                                   | 4, 846, 095  | 3, 432, 109                              | 6, 013, 347  | 210, 733                                |
| Carey Act.....                              | 523, 029               | 86, 772      | 804, 298                                                      | 174, 246     | 1, 188, 937                              | 192, 246     | 7, 566                                  |
| Commercial.....                             | 1, 822, 001            | 1, 230, 763  | 2, 709, 563                                                   | 2, 160, 950  | 3, 999, 581                              | 2, 619, 597  | 62, 352                                 |
| United States Bureau of Indian Affairs..... | 284, 551               | 331, 840     | 484, 486                                                      | 730, 446     | 932, 085                                 | 1, 122, 134  | 31, 577                                 |
| United States Bureau of Reclamation.....    | 1, 254, 569            | 1, 485, 028  | 1, 680, 643                                                   | 1, 044, 825  | 2, 627, 176                              | 2, 569, 649  | 193, 990                                |
| State.....                                  | 5, 620                 | 11, 489      | 7, 379                                                        | 13, 600      | 9, 581                                   | 14, 231      | 1, 047                                  |
| City.....                                   | 40, 146                | 121, 218     | 44, 453                                                       | 146, 132     | 49, 650                                  | 140, 534     | 15, 511                                 |
| Other.....                                  | 7, 236                 | 146, 244     | 5, 546                                                        | 233, 373     | 13, 144                                  | 250, 881     | 2, 783                                  |
| Not reported.....                           | 570                    | —            | 625                                                           | —            | 700                                      | —            | —                                       |

<sup>1</sup> Total area, 1920; irrigable area 1930.

Source of tables 541 and 542: Bureau of the Census, Department of Commerce.

No. 543.—IRRIGATION: AREA IN IRRIGATION ENTERPRISES, 1910, 1920, AND 1930, AND INVESTMENT AND COST OF MAINTENANCE AND OPERATION, 1920 AND 1930, BY STATES

| State             | Area in enterprises (acres) <sup>1</sup> |              |              | Area enterprises were capable of supplying with water (acres) |              | Area irrigated (acres) |              |              |
|-------------------|------------------------------------------|--------------|--------------|---------------------------------------------------------------|--------------|------------------------|--------------|--------------|
|                   | 1910                                     | 1920         | 1930         | 1920                                                          | 1930         | 1909                   | 1919         | 1929         |
| Total.....        | 32, 245, 464                             | 35, 890, 821 | 30, 599, 470 | 26, 020, 477                                                  | 28, 101, 890 | 14, 433, 285           | 19, 191, 716 | 19, 547, 544 |
| Arizona.....      | 944, 090                                 | 813, 153     | 1, 085, 627  | 627, 303                                                      | 824, 152     | 320, 051               | 497, 565     | 575, 590     |
| Arkansas.....     | 52, 883                                  | 240, 480     | 225, 992     | 179, 013                                                      | 209, 942     | 27, 753                | 143, 946     | 151, 787     |
| California.....   | 5, 490, 390                              | 7, 805, 207  | 8, 076, 895  | 5, 894, 466                                                   | 6, 816, 250  | 2, 604, 104            | 4, 219, 040  | 4, 746, 632  |
| Colorado.....     | 5, 917, 457                              | 6, 220, 539  | 4, 528, 251  | 3, 855, 348                                                   | 4, 078, 712  | 2, 792, 032            | 3, 348, 385  | 3, 393, 619  |
| Idaho.....        | 3, 549, 573                              | 3, 780, 048  | 2, 814, 048  | 3, 092, 810                                                   | 2, 617, 021  | 1, 430, 848            | 2, 488, 806  | 2, 181, 250  |
| Kansas.....       | 161, 300                                 | 102, 562     | 95, 719      | 67, 853                                                       | 83, 583      | 37, 479                | 47, 312      | 71, 290      |
| Louisiana.....    | 581, 065                                 | 851, 211     | 850, 401     | 728, 742                                                      | 795, 195     | 330, 200               | 454, 882     | 460, 901     |
| Montana.....      | 3, 515, 092                              | 4, 329, 148  | 2, 622, 423  | 2, 753, 498                                                   | 2, 276, 000  | 1, 079, 084            | 1, 081, 729  | 1, 594, 912  |
| Nebraska.....     | 680, 133                                 | 736, 708     | 763, 039     | 562, 468                                                      | 703, 641     | 255, 950               | 442, 690     | 632, 617     |
| Nevada.....       | 1, 232, 142                              | 1, 382, 036  | 983, 717     | 704, 708                                                      | 736, 249     | 701, 833               | 861, 447     | 486, 048     |
| New Mexico.....   | 1, 102, 297                              | 961, 879     | 741, 245     | 690, 119                                                      | 656, 069     | 461, 718               | 538, 377     | 527, 033     |
| North Dakota..... | 38, 173                                  | 57, 476      | 24, 860      | 34, 235                                                       | 24, 008      | 10, 248                | 12, 072      | 9, 392       |
| Oklahoma.....     | 8, 528                                   | 11, 742      | 7, 344       | 9, 672                                                        | 7, 331       | 4, 888                 | 2, 969       | 1, 573       |
| Oregon.....       | 2, 527, 208                              | 1, 925, 987  | 1, 478, 128  | 1, 344, 045                                                   | 1, 158, 210  | 686, 129               | 986, 182     | 898, 713     |
| South Dakota..... | 201, 626                                 | 188, 382     | 122, 510     | 150, 914                                                      | 109, 550     | 63, 248                | 100, 682     | 67, 107      |
| Texas.....        | 1, 253, 173                              | 1, 687, 447  | 1, 506, 876  | 1, 150, 542                                                   | 1, 177, 415  | 451, 130               | 586, 120     | 798, 917     |
| Utah.....         | 1, 047, 625                              | 2, 359, 244  | 1, 739, 869  | 1, 700, 550                                                   | 1, 542, 475  | 999, 410               | 1, 371, 651  | 1, 324, 125  |
| Washington.....   | 817, 032                                 | 836, 795     | 915, 379     | 637, 151                                                      | 631, 511     | 334, 378               | 529, 899     | 499, 283     |
| Wyoming.....      | 2, 224, 298                              | 2, 564, 668  | 1, 958, 147  | 1, 831, 039                                                   | 1, 655, 008  | 1, 133, 302            | 1, 207, 982  | 1, 236, 155  |

| State             | Investment                    |             |                            |        | Estimated final cost          |             |                            |        | Average cost of maintenance and operation per acre (dollars) <sup>2</sup> |       |
|-------------------|-------------------------------|-------------|----------------------------|--------|-------------------------------|-------------|----------------------------|--------|---------------------------------------------------------------------------|-------|
|                   | Amount (thousands of dollars) |             | Average per acre (dollars) |        | Amount (thousands of dollars) |             | Average per acre (dollars) |        |                                                                           |       |
|                   | 1920                          | 1930        | 1920                       | 1930   | 1920                          | 1930        | 1920                       | 1930   | 1920                                                                      | 1930  |
| Total.....        | 697, 657                      | 1, 032, 756 | 26. 81                     | 39. 57 | 819, 778                      | 1, 155, 108 | 22. 84                     | 37. 75 | 2. 43                                                                     | 2. 77 |
| Arizona.....      | 33, 498                       | 73, 328     | 53. 40                     | 88. 97 | 34, 615                       | 91, 914     | 42. 57                     | 84. 66 | 3. 27                                                                     | 4. 57 |
| Arkansas.....     | 7, 183                        | 0, 887      | 40. 13                     | 32. 56 | 7, 284                        | 6, 844      | 29. 55                     | 30. 28 | 13. 07                                                                    | 7. 03 |
| California.....   | 194, 886                      | 450, 968    | 33. 06                     | 66. 17 | 225, 799                      | 465, 931    | 28. 93                     | 57. 69 | 4. 40                                                                     | 6. 10 |
| Colorado.....     | 88, 302                       | 87, 003     | 22. 90                     | 21. 48 | 95, 198                       | 91, 846     | 18. 24                     | 20. 28 | . 87                                                                      | . 85  |
| Idaho.....        | 91, 501                       | 84, 500     | 29. 59                     | 32. 29 | 97, 020                       | 101, 350    | 25. 67                     | 36. 02 | 1. 17                                                                     | 1. 44 |
| Kansas.....       | 2, 067                        | 1, 686      | 30. 47                     | 20. 17 | 2, 196                        | 1, 724      | 21. 41                     | 18. 01 | 3. 29                                                                     | 1. 53 |
| Louisiana.....    | 14, 063                       | 15, 745     | 19. 30                     | 19. 80 | 14, 264                       | 15, 771     | 16. 76                     | 18. 55 | 7. 01                                                                     | 4. 09 |
| Montana.....      | 62, 143                       | 60, 319     | 18. 94                     | 22. 11 | 70, 079                       | 58, 490     | 16. 19                     | 22. 30 | 1. 26                                                                     | . 87  |
| Nebraska.....     | 13, 909                       | 21, 880     | 24. 73                     | 30. 39 | 18, 030                       | 21, 466     | 23. 51                     | 28. 13 | 1. 48                                                                     | 1. 54 |
| Nevada.....       | 14, 754                       | 15, 458     | 20. 94                     | 21. 00 | 22, 049                       | 18, 490     | 16. 39                     | 18. 80 | . 79                                                                      | . 91  |
| New Mexico.....   | 18, 210                       | 10, 834     | 26. 16                     | 30. 20 | 20, 441                       | 21, 042     | 21. 25                     | 29. 80 | 2. 41                                                                     | 2. 15 |
| North Dakota..... | 1, 857                        | 1, 267      | 54. 25                     | 52. 79 | 2, 073                        | 1, 344      | 36. 06                     | 54. 06 | 5. 50                                                                     | 1. 97 |
| Oklahoma.....     | 151                           | 100         | 16. 65                     | 21. 84 | 163                           | 168         | 13. 88                     | 22. 86 | 2. 92                                                                     | 7. 62 |
| Oregon.....       | 28, 929                       | 38, 765     | 21. 52                     | 33. 46 | 41, 588                       | 60, 040     | 21. 59                     | 40. 62 | 1. 19                                                                     | 1. 41 |
| South Dakota..... | 5, 465                        | 4, 502      | 36. 21                     | 41. 10 | 5, 501                        | 5, 174      | 29. 20                     | 42. 24 | 1. 26                                                                     | 1. 33 |
| Texas.....        | 35, 073                       | 49, 022     | 30. 48                     | 41. 64 | 39, 861                       | 59, 556     | 23. 62                     | 38. 01 | 6. 92                                                                     | 4. 74 |
| Utah.....         | 32, 037                       | 35, 670     | 18. 84                     | 23. 13 | 33, 836                       | 37, 857     | 14. 34                     | 21. 76 | 1. 08                                                                     | 1. 00 |
| Washington.....   | 29, 299                       | 40, 562     | 45. 98                     | 64. 23 | 37, 685                       | 53, 232     | 45. 03                     | 53. 15 | 3. 46                                                                     | 4. 14 |
| Wyoming.....      | 34, 326                       | 35, 153     | 18. 75                     | 21. 24 | 51, 500                       | 41, 670     | 20. 08                     | 21. 43 | 1. 04                                                                     | . 84  |

<sup>1</sup> Total area, 1910 and 1920, irrigable area, 1930.

<sup>2</sup> When water is pumped, cost of operation includes cost of fuel and attendance.

Source: Bureau of the Census, Department of Commerce.

# No. 544.—IRRIGATION: ACREAGE AND INVESTMENT IN ENTERPRISES, BY DRAINAGE BASINS, 1920 AND 1930

NOTE.—See headnote, table 541

| Drainage basin                                                      | Area irrigated (acres) |                     | Area enterprises were capable of supplying with water, 1930 (acres) | Irrigable area in enterprises, 1930 (acres) | Investment (thousands of dollars) |                  |
|---------------------------------------------------------------------|------------------------|---------------------|---------------------------------------------------------------------|---------------------------------------------|-----------------------------------|------------------|
|                                                                     | 1919                   | 1929                |                                                                     |                                             | 1920                              | 1930             |
| <b>Total</b> .....                                                  | <b>19, 191, 716</b>    | <b>19, 547, 544</b> | <b>26, 101, 890</b>                                                 | <b>30, 699, 470</b>                         | <b>697, 657</b>                   | <b>1,032,766</b> |
| Red River (of the North) tributaries.....                           |                        | 2, 009              | 2, 009                                                              | 2, 409                                      |                                   | 21               |
| Missouri River and tributaries.....                                 | 4, 147, 278            | 4, 185, 180         | 5, 472, 012                                                         | 6, 231, 873                                 | 131, 563                          | 130, 507         |
| Mississippi River and tributaries, exclusive of Missouri River..... | 958, 493               | 902, 560            | 1, 170, 583                                                         | 1, 280, 730                                 | 35, 184                           | 31, 832          |
| Gulf streams other than Mississippi River and Rio Grande.....       | 698, 077               | 662, 958            | 1, 221, 997                                                         | 1, 530, 404                                 | 29, 440                           | 28, 578          |
| Rio Grande and tributaries <sup>1</sup> .....                       | 1, 204, 502            | 1, 408, 013         | 1, 807, 195                                                         | 2, 068, 439                                 | 33, 886                           | 52, 079          |
| Independent streams in Rio Grande Drainage Basin.....               | 108, 353               | 95, 812             | 107, 586                                                            | 109, 225                                    | 939                               | 760              |
| Colorado River and tributaries.....                                 | 2, 312, 047            | 2, 537, 124         | 3, 335, 914                                                         | 4, 435, 529                                 | 80, 697                           | 132, 350         |
| Whitewater Draw and tributaries.....                                | 5, 871                 | 3, 301              | 4, 753                                                              | 5, 570                                      | 299                               | 231              |
| Great Basin Drainage.....                                           | 2, 313, 163            | 2, 069, 986         | 2, 579, 612                                                         | 3, 050, 019                                 | 68, 589                           | 72, 068          |
| Columbia River and tributaries.....                                 | 3, 873, 245            | 3, 393, 040         | 4, 241, 244                                                         | 4, 992, 131                                 | 145, 672                          | 157, 555         |
| Pacific Ocean streams other than Colorado and Columbia Rivers.....  | 3, 570, 687            | 4, 225, 971         | 6, 158, 895                                                         | 6, 878, 141                                 | 167, 398                          | 420, 006         |

<sup>1</sup> Not including "Independent streams in Rio Grande Drainage Basin."

# No. 545.—IRRIGATION: ACREAGE, VALUE, AND AVERAGE VALUE PER ACRE OF ALL CROPS AND OF IRRIGATED CROPS, 1929

NOTE.—The data in this table are from schedules of individual farmers and not from the managements of irrigation enterprises. Acreage does not include pasture land

| State                          | Acreage              |                                 |                     |                                     | Value                        |                                 |                                  |                              |                                     |                                  |
|--------------------------------|----------------------|---------------------------------|---------------------|-------------------------------------|------------------------------|---------------------------------|----------------------------------|------------------------------|-------------------------------------|----------------------------------|
|                                | All crops            |                                 | Irrigated crops     |                                     | All crops                    |                                 |                                  | Irrigated crops              |                                     |                                  |
|                                | Total acres          | Per cent of United States total | Total acres         | Per cent of irrigation States total | Total (thousands of dollars) | Per cent of United States total | Average value per acre (dollars) | Total (thousands of dollars) | Per cent of irrigation States total | Average value per acre (dollars) |
| <b>United States</b> .....     | <b>381, 944, 557</b> | <b>100. 0</b>                   | <b>(1)</b>          |                                     | <b>8, 077, 812</b>           | <b>100. 0</b>                   | <b>22. 32</b>                    | <b>(1)</b>                   |                                     |                                  |
| <b>Irrigation States</b> ..... | <b>178, 614, 903</b> | <b>46. 8</b>                    | <b>14, 633, 252</b> | <b>100. 0</b>                       | <b>3, 400, 378</b>           | <b>42. 1</b>                    | <b>18. 04</b>                    | <b>899, 948</b>              | <b>100. 0</b>                       | <b>61. 50</b>                    |
| Arizona.....                   | 500, 342             | .1                              | 448, 806            | 3. 1                                | 32, 367                      | .4                              | 64. 69                           | 31, 021                      | 3. 4                                | 60. 12                           |
| Arkansas.....                  | 6, 556, 238          | 1.8                             | 146, 910            | 1. 0                                | 210, 132                     | 2. 6                            | 32. 00                           | 6, 683                       | . 7                                 | 45. 49                           |
| California.....                | 6, 623, 727          | 1. 8                            | 3, 540, 350         | 24. 2                               | 537, 479                     | 6. 7                            | 81. 14                           | 440, 259                     | 49. 6                               | 126. 05                          |
| Colorado.....                  | 6, 781, 176          | 1. 9                            | 2, 291, 827         | 15. 7                               | 124, 762                     | 1. 5                            | 18. 45                           | 82, 367                      | 9. 2                                | 35. 93                           |
| Idaho.....                     | 3, 182, 767          | . 9                             | 1, 634, 321         | 11. 2                               | 104, 045                     | 1. 3                            | 32. 69                           | 73, 893                      | 8. 2                                | 45. 21                           |
| Kansas.....                    | 24, 313, 774         | 6. 7                            | 50, 939             | . 4                                 | 299, 152                     | 3. 7                            | 12. 30                           | 1, 706                       | . 2                                 | 29. 96                           |
| Louisiana.....                 | 4, 110, 643          | 1. 1                            | 400, 375            | 2. 7                                | 149, 760                     | 1. 9                            | 30. 43                           | 16, 235                      | 1. 8                                | 40. 55                           |
| Montana.....                   | 7, 878, 625          | 2. 2                            | 1, 343, 085         | 9. 2                                | 87, 639                      | 1. 1                            | 11. 12                           | 28, 898                      | 3. 2                                | 21. 49                           |
| Nebraska.....                  | 21, 432, 100         | 5. 9                            | 404, 481            | 2. 8                                | 299, 127                     | 3. 7                            | 13. 96                           | 15, 545                      | 1. 7                                | 38. 48                           |
| Nevada.....                    | 1, 497, 369          | . 4                             | 360, 192            | 2. 7                                | 8, 703                       | . 1                             | 21. 94                           | 8, 473                       | . 9                                 | 21. 72                           |
| New Mexico.....                | 21, 336, 772         | 5. 9                            | 371, 269            | 2. 4                                | 84, 648                      | . 4                             | 23. 14                           | 18, 866                      | 2. 1                                | 50. 81                           |
| North Dakota.....              | 15, 570, 382         | 4. 3                            | 10, 651             | . 1                                 | 161, 303                     | 2. 2                            | 8. 50                            | 278                          | (2)                                 | 26. 07                           |
| Oklahoma.....                  | 2, 861, 467          | . 8                             | 2, 109              | (1)                                 | 245, 561                     | 3. 0                            | 15. 77                           | 100                          | (2)                                 | 47. 53                           |
| Oregon.....                    | 17, 955, 734         | 5. 0                            | 637, 967            | 4. 4                                | 89, 354                      | 1. 1                            | 31. 23                           | 24, 800                      | 2. 8                                | 38. 87                           |
| South Dakota.....              | 30, 786, 089         | 8. 0                            | 59, 861             | . 4                                 | 171, 238                     | 2. 1                            | 9. 54                            | 1, 646                       | . 2                                 | 27. 72                           |
| Texas.....                     | 1, 200, 154          | . 3                             | 594, 287            | 4. 0                                | 615, 600                     | 7. 6                            | 20. 01                           | 33, 221                      | 3. 7                                | 55. 90                           |
| Utah.....                      | 3, 660, 853          | 1. 0                            | 917, 139            | 6. 2                                | 35, 260                      | . 4                             | 29. 38                           | 29, 993                      | 3. 3                                | 32. 71                           |
| Washington.....                | 2, 006, 542          | . 6                             | 405, 027            | 2. 8                                | 144, 837                     | 1. 8                            | 39. 56                           | 61, 146                      | 6. 8                                | 150. 97                          |
| Wyoming.....                   |                      |                                 | 978, 106            | 6. 7                                | 29, 371                      | . 4                             | 14. 61                           | 18, 851                      | 2. 1                                | 19. 27                           |

<sup>1</sup> Data on the relatively small amount of irrigation outside of the 19 irrigation States are not available.

<sup>2</sup> Less than one-tenth of 1 percent.

Source of tables 544 and 545: Bureau of the Census, Department of Commerce.

# No. 546.—IRRIGATION: ACREAGE, PRODUCTION, AND VALUE OF IRRIGATED CROPS HARVESTED, 1929

NOTE.—See headnote, table 545

| Crop                                                                            | Acreage                    | Production         |                  |                    | Value (dollars)  |                     |
|---------------------------------------------------------------------------------|----------------------------|--------------------|------------------|--------------------|------------------|---------------------|
|                                                                                 |                            | Unit               | Amount           | Per acre           | Amount           | Per acre            |
| <b>Total</b> <sup>1</sup>                                                       | 14, 633, 252               |                    |                  |                    | 899, 942, 549    | 61. 50              |
| <b>Cereals, total</b>                                                           | 3, 250, 629                | Bushe <sup>l</sup> | 111, 801, 074    | 34. 4              | 94, 057, 264     | 28. 94              |
| Corn harvested for grain                                                        | 348, 563                   | do                 | 10, 925, 296     | 31. 3              | 8, 923, 428      | 25. 60              |
| Wheat threshed                                                                  | 1, 017, 921                | do                 | 27, 995, 376     | 27. 5              | 28, 640, 910     | 28. 14              |
| Oats threshed for grain                                                         | 382, 491                   | do                 | 14, 235, 956     | 37. 2              | 7, 021, 831      | 18. 36              |
| Barley                                                                          | 665, 985                   | do                 | 22, 872, 825     | 34. 3              | 14, 570, 613     | 21. 88              |
| Rye                                                                             | 12, 335                    | do                 | 213, 369         | 17. 3              | 197, 712         | 16. 03              |
| Sorghum for grain                                                               | 71, 371                    | do                 | 1, 910, 504      | 26. 8              | 1, 797, 785      | 25. 19              |
| Rice (rough)                                                                    | 724, 997                   | do                 | 32, 876, 049     | 45. 3              | 32, 332, 566     | 44. 80              |
| Mixed grains and other cereals                                                  | 26, 966                    | do                 | 871, 699         | 28. 6              | 572, 419         | 21. 23              |
| <b>Other grains and seeds, total</b>                                            | 687, 843                   |                    |                  |                    | 43, 777, 658     | 63. 64              |
| Canada and other ripe field peas <sup>2</sup>                                   | 101, 315                   | Bushe <sup>l</sup> | 1, 471, 670      | 14. 5              | 3, 237, 789      | 31. 96              |
| Navy and other ripe field beans <sup>2</sup>                                    | 365, 776                   | do                 | 8, 408, 492      | 23. 0              | 33, 492, 746     | 91. 57              |
| All clover seed                                                                 | 94, 738                    | do                 | 254, 837         | 3. 9               | 1, 947, 442      | 30. 08              |
| Alfalfa seed                                                                    | 137, 764                   | do                 | 366, 988         | 2. 7               | 4, 004, 349      | 29. 07              |
| Miscellaneous seeds                                                             | 18, 260                    |                    |                  |                    | 1, 094, 832      | 59. 96              |
| <b>Hay crops, total</b>                                                         | 6, 758, 431                | Ton                | 13, 438, 922     | 2. 0               | 169, 163, 452    | 25. 03              |
| Tame hay                                                                        | 5, 455, 183                | do                 | 12, 239, 422     | 2. 2               | 168, 216, 955    | 29. 00              |
| Alfalfa                                                                         | 4, 096, 381                | do                 | 10, 384, 668     | 2. 5               | 136, 699, 362    | 33. 35              |
| Timothy and (or) timothy and clover mixed                                       | 679, 914                   | do                 | 973, 565         | 1. 4               | 11, 247, 379     | 16. 54              |
| Clover alone                                                                    | 83, 502                    | do                 | 120, 410         | 1. 4               | 1, 824, 897      | 15. 87              |
| Annual legumes saved for hay <sup>1</sup>                                       | 19, 833                    | do                 | 27, 929          | 1. 4               | 275, 679         | 13. 88              |
| Small grains cut for hay                                                        | 219, 342                   | do                 | 318, 763         | 1. 5               | 4, 494, 890      | 20. 49              |
| Other tame grasses                                                              | 356, 211                   | do                 | 414, 097         | 1. 2               | 4, 274, 888      | 12. 00              |
| Wild, salt, and prairie grasses                                                 | 1, 303, 248                | do                 | 1, 199, 500      | . 9                | 10, 946, 497     | 8. 40               |
| Silage and miscel. forage crops                                                 | 88, 431                    | do                 | 514, 162         | 5. 8               | 3, 740, 885      | 42. 30              |
| Corn cut for fodder                                                             | 37, 764                    | do                 | ( <sup>3</sup> ) |                    | ( <sup>3</sup> ) |                     |
| <b>Vegetables, total</b>                                                        | 782, 274                   |                    |                  |                    | 138, 809, 727    | 177. 44             |
| Potatoes (Irish or white)                                                       | 252, 506                   | Bushe <sup>l</sup> | 47, 607, 488     | 188. 3             | 58, 618, 017     | 231. 87             |
| Sweetpotatoes and yams                                                          | 10, 684                    | do                 | 1, 124, 047      | 105. 7             | 1, 732, 489      | 162. 62             |
| Vegetables harvested for sale                                                   | 518, 885                   |                    |                  |                    | 78, 459, 221     | 151. 22             |
| <b>Sugar crops, total</b>                                                       | 502, 479                   |                    |                  |                    | 42, 678, 942     | 84. 94              |
| Sugar beets for sugar                                                           | 501, 951                   | Ton                | 5, 994, 174      | 11. 9              | 42, 606, 114     | 84. 88              |
| Other sugar crops                                                               | 528                        |                    |                  |                    | 72, 828          | 137. 93             |
| <b>Cotton, including cottonseed</b>                                             | 893, 745                   |                    |                  |                    | 67, 063, 012     | 74. 97              |
| Lint cotton                                                                     | 893, 745                   | Bale               | 624, 126         | . 7                | 58, 657, 194     | 65. 63              |
| Cottonseed                                                                      |                            | Ton                | 302, 895         |                    | 8, 346, 818      | 9. 34               |
| Hops                                                                            | 4, 811                     | Pound              | 9, 487, 797      | 1, 972. 1          | 1, 180, 493      | 245. 37             |
| Miscellaneous crops                                                             | 131, 993                   |                    |                  |                    | 372, 087         | 2. 83               |
| <b>Land in orchard and subtropical fruits, vineyards, and planted nut trees</b> | 1, 494, 637                |                    |                  |                    |                  |                     |
| <b>Orchard fruits, total</b>                                                    | <sup>4</sup> 43, 445, 383  |                    |                  |                    | 111, 113, 718    | <sup>7</sup> 2. 56  |
| Apples                                                                          | <sup>4</sup> 9, 054, 962   | Bushe <sup>l</sup> | 37, 048, 840     | <sup>7</sup> 4. 1  | 46, 508, 713     | <sup>7</sup> 5. 03  |
| Peaches                                                                         | <sup>4</sup> 10, 758, 112  | do                 | 14, 731, 990     | <sup>7</sup> 1. 4  | 18, 312, 004     | <sup>7</sup> 1. 70  |
| Pears                                                                           | <sup>4</sup> 5, 752, 449   | do                 | 9, 836, 530      | <sup>7</sup> 1. 7  | 18, 371, 048     | <sup>7</sup> 3. 19  |
| Plums and prunes                                                                | <sup>4</sup> 10, 451, 409  | do                 | 8, 801, 389      | <sup>7</sup> 1. 8  | 8, 357, 856      | <sup>7</sup> 1. 80  |
| Cherries                                                                        | <sup>4</sup> 1, 287, 486   | do                 | 1, 098, 617      | <sup>7</sup> 1. 9  | 5, 090, 798      | <sup>7</sup> 3. 95  |
| Figs                                                                            | <sup>4</sup> 2, 168, 826   | Pound              | 114, 799, 188    | <sup>7</sup> 52. 9 | 5, 828, 709      | <sup>7</sup> 2. 69  |
| Apriots                                                                         | <sup>4</sup> 3, 853, 026   | Bushe <sup>l</sup> | 5, 413, 071      | <sup>7</sup> 1. 4  | 9, 529, 657      | <sup>7</sup> 2. 47  |
| All other orchard fruits                                                        | <sup>4</sup> 119, 113      |                    |                  |                    | 116, 933         | <sup>7</sup> 1. 08  |
| <b>Grapes</b>                                                                   | <sup>4</sup> 189, 819, 218 | Pound              | 2, 998, 861, 537 | <sup>9</sup> 16. 3 | 37, 351, 036     | <sup>19</sup> 2. 20 |
| <b>Subtropical fruits, total</b>                                                | <sup>4</sup> 20, 380, 569  |                    |                  |                    | 172, 184, 856    | <sup>7</sup> 8. 45  |
| Oranges                                                                         | <sup>4</sup> 14, 577, 568  | Box                | 43, 465, 133     | <sup>7</sup> 3. 0  | 119, 738, 658    | <sup>7</sup> 8. 21  |
| Lemons                                                                          | <sup>4</sup> 2, 770, 197   | do                 | 9, 273, 473      | <sup>7</sup> 3. 3  | 42, 974, 061     | <sup>7</sup> 15. 51 |
| Grapefruit                                                                      | <sup>4</sup> 1, 478, 488   | do                 | 2, 701, 051      | <sup>7</sup> 1. 8  | 6, 852, 387      | <sup>7</sup> 4. 63  |
| Olive                                                                           | <sup>4</sup> 1, 148, 983   | Pound              | 39, 906, 000     | <sup>7</sup> 34. 7 | 1, 636, 065      | <sup>7</sup> 1. 42  |
| All other subtropical fruits                                                    | <sup>4</sup> 405, 323      |                    |                  |                    | 983, 106         | <sup>7</sup> 2. 43  |
| <b>Nuts, total</b>                                                              | <sup>4</sup> 3, 016, 984   | Pound              | 74, 006, 530     | <sup>7</sup> 24. 5 | 12, 203, 911     | <sup>7</sup> 4. 05  |
| Walnuts (English or Persian)                                                    | <sup>4</sup> 1, 663, 775   | do                 | 69, 368, 209     | <sup>7</sup> 41. 7 | 11, 101, 932     | <sup>7</sup> 6. 67  |
| All other nuts                                                                  | <sup>4</sup> 1, 353, 209   | do                 | 4, 638, 321      | <sup>7</sup> 3. 4  | 1, 101, 979      | <sup>7</sup> 1. 81  |
| <b>Small fruits, total</b>                                                      | 20, 348                    | Quart.             | 38, 549, 095     | 1, 894. 5          | 6, 305, 508      | 309. 88             |
| Strawberries                                                                    | 13, 505                    | do                 | 27, 023, 843     | 2, 001. 0          | 4, 482, 194      | 331. 89             |
| Raspberries                                                                     | 4, 104                     | do                 | 7, 255, 658      | 1, 767. 9          | 1, 255, 188      | 305. 85             |
| All other small fruits                                                          | 2, 739                     | do                 | 4, 269, 594      | 1, 558. 8          | 568, 126         | 207. 42             |

<sup>1</sup> Not including acreage of annual legumes saved for hay which is practically all duplicated in "Other grains and seeds," but including value of leguminous hay.

<sup>2</sup> Includes cowpeas.

<sup>3</sup> Includes soy and velvet beans.

<sup>4</sup> Acreage included in totals for "tame hay" and "hay crops" but not in total acreage for all crops.

<sup>5</sup> Not available.

<sup>6</sup> Trees of bearing age.

<sup>7</sup> Average per tree.

<sup>8</sup> Vines of bearing age.

<sup>9</sup> Average production per vine.

<sup>10</sup> Average value per vine.

Source: Bureau of the Census, Department of Commerce.

## No. 547.—DRAINAGE: SUMMARY FOR THE UNITED STATES

NOTE.—The statistics for drainage on farms in the first part of this table were collected from the individual farmers while those for drainage enterprises were obtained from a special canvass of organized drainage enterprises. A farm may have artificial drainage without being connected with any general enterprise; conversely, a general enterprise may facilitate the ultimate removal of water from a farm which has itself no artificial drainage. Drainage enterprises comprise public corporations and local improvement districts established under State laws relating to drainage, commercial enterprises draining land for sale, other organizations engaged in extensive land drainage work, and tracts of 800 acres or more drained by individual farm owners. The enterprises may include timbered and other unimproved land not yet in farms. The canvass of drainage enterprises did not include any of the northeastern States, and no enterprises were found in Alabama or West Virginia, and in 1919 none also in Virginia.

| Item                                                                                                                 | Census of—       |             | Percent increase<br>1920-1930 <sup>1</sup> |
|----------------------------------------------------------------------------------------------------------------------|------------------|-------------|--------------------------------------------|
|                                                                                                                      | 1920             | 1930        |                                            |
| FARMS AND DRAINAGE ON FARMS                                                                                          |                  |             |                                            |
| All farms..... number.....                                                                                           | 0, 448, 343      | 6, 288, 648 | -2. 5                                      |
| Farms reporting drainage..... do.....                                                                                | 924, 816         | 651, 172    | -29. 6                                     |
| All land in farms..... 1,000 acres.....                                                                              | 955, 884         | 986, 771    | 3. 2                                       |
| Farm land provided with drainage..... do.....                                                                        | 53, 025          | 44, 524     | -19. 0                                     |
| AREA, DRAINS, AND INVESTMENT IN ENTERPRISES                                                                          |                  |             |                                            |
| Approximate land area of 35 States reporting organized drainage enter-<br>prises <sup>2</sup> ..... 1,000 acres..... | 1, 717, 032      | 1, 743, 700 | 1. 5                                       |
| Land in drainage enterprises..... do.....                                                                            | 65, 495          | 84, 408     | 28. 9                                      |
| Improved land..... do.....                                                                                           | 44, 288          | 63, 514     | 43. 4                                      |
| Unimproved land:                                                                                                     |                  |             |                                            |
| Woodland..... do.....                                                                                                | 11, 284          | 11, 310     | . 2                                        |
| Other..... do.....                                                                                                   | 9, 923           | 9, 584      | -3. 4                                      |
| Land unfit to raise any crop for lack of drainage..... do.....                                                       | 7, 224           | 7, 396      | 2. 4                                       |
| Land drained, fit to raise normal crop..... do.....                                                                  | ( <sup>3</sup> ) | 66, 234     | -----                                      |
| Land partly drained, fit for partial crop..... do.....                                                               | 3, 011           | 10, 778     | 257. 9                                     |
| Land in occupied farms..... do.....                                                                                  | ( <sup>4</sup> ) | 68, 040     | -----                                      |
| Land in planted crops..... do.....                                                                                   | ( <sup>4</sup> ) | 54, 428     | -----                                      |
| Land idle..... do.....                                                                                               | ( <sup>4</sup> ) | 20, 003     | -----                                      |
| Ditches, completed..... miles.....                                                                                   | 107, 468         | 138, 673    | 29. 0                                      |
| Tile drains, completed..... do.....                                                                                  | 42, 312          | 55, 032     | 30. 1                                      |
| Capital invested in enterprises..... 1,000 dollars.....                                                              | 372, 274         | 680, 733    | 82. 9                                      |
| Average, per acre..... dollars.....                                                                                  | 5. 68            | 8. 06       | 41. 9                                      |

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>4</sup> Not called for on schedule.

<sup>2</sup> For States included (34 in 1920 and 35 in 1930) see table 549.

<sup>3</sup> "Suffering a loss of crops from defective drainage."

<sup>3</sup> "Swampy, subject to overflow, seeped, or alkali."

## No. 548.—LAND AND CAPITAL IN DRAINAGE ENTERPRISES: By DATE OF ORGANIZATION AND BY CHARACTER OF ENTERPRISE, 1930

| Date of organization | Land        | Area of enterprises |                 | Capital invested to Jan. 1, 1930 | Character of enterprise               | Land in enterprises <sup>1</sup> | Capital                  |                                 |
|----------------------|-------------|---------------------|-----------------|----------------------------------|---------------------------------------|----------------------------------|--------------------------|---------------------------------|
|                      |             | Total               | Overlapped area |                                  |                                       |                                  | Invested to Jan. 1, 1930 | Additional required to complete |
|                      | 1,000 acres | 1,000 acres         | 1,000 acres     | 1,000 dollars                    |                                       | 1,000 acres                      | 1,000 dollars            | 1,000 dollars                   |
| All enterprises..... | 84, 406     | 128, 495            | 44, 087         | 680, 733                         | Total.....                            | 84, 408                          | 680, 733                 | 9, 346                          |
| Before 1870.....     | 919         | 1, 057              | 138             | 1, 263                           | Drainage districts.....               | 32, 545                          | 357, 799                 | 6, 781                          |
| 1870-1879.....       | 2, 517      | 3, 481              | 964             | 11, 318                          | County drains.....                    | 47, 547                          | 287, 392                 | 434                             |
| 1880-1889.....       | 6, 063      | 9, 549              | 3, 496          | 28, 035                          | Township drains.....                  | 194                              | 944                      | <sup>3</sup>                    |
| 1890-1899.....       | 5, 958      | 11, 265             | 5, 308          | 32, 839                          | State projects.....                   | 608                              | 1, 449                   | -----                           |
| 1900-1904.....       | 7, 666      | 12, 381             | 4, 715          | 34, 140                          | Irrigation enterprises.....           | 2, 645                           | 23, 260                  | 2, 074                          |
| 1905-1909.....       | 18, 328     | 23, 863             | 5, 535          | 111, 612                         | Commercial developments.....          | 72                               | 3, 083                   | 25                              |
| 1910-1914.....       | 16, 448     | 22, 332             | 5, 883          | 125, 953                         | Individual ownership.....             | 782                              | 6, 579                   | 29                              |
| 1915-1919.....       | 15, 803     | 23, 422             | 7, 619          | 190, 683                         | Character not precisely reported..... | 14                               | 227                      | -----                           |
| 1920-1924.....       | 7, 428      | 12, 736             | 5, 308          | 102, 977                         |                                       |                                  |                          |                                 |
| 1925-1929.....       | 3, 288      | 8, 410              | 5, 122          | 42, 612                          |                                       |                                  |                          |                                 |

<sup>1</sup> Before tabulation the area in each enterprise was reduced by the amount of overlapping with enterprises organized previously.

Source of tables 547 and 548: Bureau of the Census, Department of Commerce.

## No. 549.—LAND AND CAPITAL IN DRAINAGE ENTERPRISES: BY STATES

| Division and State         | Land in drainage enterprises |            | Drainage condition in 1929                   |                                   |                                           | Land in occupied farms, 1929 |              | Capital invested in enterprises |               |
|----------------------------|------------------------------|------------|----------------------------------------------|-----------------------------------|-------------------------------------------|------------------------------|--------------|---------------------------------|---------------|
|                            | 1919                         | 1920       | Land unfit for any crop for lack of drainage | Land drained, fit for normal crop | Land partly drained, fit for partial crop | Total land                   | Land planted | 1919                            | 1929          |
|                            | Acres                        | Acres      | Acres                                        | Acres                             | Acres                                     | Acres                        | Acres        | 1,000 dollars                   | 1,000 dollars |
| <b>United States.</b>      | 85,496,038                   | 84,408,093 | 7,366,078                                    | 66,234,390                        | 10,777,826                                | 68,840,109                   | 64,427,677   | 372,274                         | 680,793       |
| <b>East North Central.</b> | 31,827,176                   | 33,486,764 | 1,288,908                                    | 29,439,216                        | 2,757,833                                 | 32,689,727                   | 26,317,289   | 184,274                         | 209,880       |
| Ohio.....                  | 8,107,204                    | 8,165,494  | 102,290                                      | 7,495,881                         | 567,323                                   | 8,132,973                    | 6,800,406    | 30,680                          | 36,836        |
| Indiana.....               | 9,087,183                    | 10,214,014 | 222,269                                      | 9,303,527                         | 688,218                                   | 10,150,221                   | 8,454,498    | 31,148                          | 54,111        |
| Illinois.....              | 3,909,049                    | 5,032,682  | 275,800                                      | 4,510,111                         | 248,771                                   | 5,005,376                    | 4,248,907    | 43,695                          | 75,040        |
| Michigan.....              | 9,729,171                    | 9,180,851  | 531,454                                      | 7,581,151                         | 1,068,246                                 | 8,826,295                    | 6,462,936    | 24,684                          | 37,677        |
| Wisconsin.....             | 794,569                      | 892,713    | 167,003                                      | 548,545                           | 187,076                                   | 574,892                      | 380,522      | 4,103                           | 6,207         |
| <b>West North Central.</b> | 19,217,367                   | 23,660,882 | 2,412,875                                    | 18,440,603                        | 2,837,404                                 | 20,212,232                   | 15,799,777   | 121,562                         | 208,191       |
| Minnesota.....             | 9,232,709                    | 11,474,683 | 2,037,481                                    | 7,322,252                         | 2,114,950                                 | 8,782,323                    | 5,916,067    | 42,017                          | 64,140        |
| Iowa.....                  | 5,224,478                    | 6,137,649  | 68,371                                       | 5,846,118                         | 223,160                                   | 6,105,490                    | 5,376,805    | 40,627                          | 77,479        |
| Missouri.....              | 2,590,204                    | 3,150,022  | 253,251                                      | 2,530,667                         | 306,074                                   | 2,427,599                    | 2,067,727    | 20,723                          | 47,340        |
| North Dakota.....          | 1,240,328                    | 1,094,142  | 13,440                                       | 1,055,429                         | 25,273                                    | 1,094,114                    | 908,979      | 2,208                           | 3,149         |
| South Dakota.....          | 222,062                      | 697,758    | 26,001                                       | 614,210                           | 56,947                                    | 684,740                      | 567,285      | 1,461                           | 4,535         |
| Nebraska.....              | 607,730                      | 879,459    | 10,139                                       | 829,651                           | 39,039                                    | 864,159                      | 743,178      | 4,589                           | 8,847         |
| Kansas.....                | 93,866                       | 267,169    | 3,592                                        | 242,216                           | 11,361                                    | 253,845                      | 210,736      | 937                             | 2,701         |
| <b>South Atlantic.</b>     | 2,886,384                    | 6,941,716  | 1,516,966                                    | 2,605,877                         | 2,818,873                                 | 893,834                      | 587,512      | 18,947                          | 53,632        |
| Virginia.....              | 15,042                       | 15,042     | 13,138                                       | 13,138                            | 3,904                                     | 5,704                        | 4,748        | —                               | 242           |
| North Carolina.....        | 642,828                      | 679,236    | 79,267                                       | 438,992                           | 160,977                                   | 331,121                      | 207,525      | 3,023                           | 4,719         |
| South Carolina.....        | 140,031                      | 208,249    | 33,002                                       | 139,587                           | 35,060                                    | 94,744                       | 61,606       | 582                             | 1,265         |
| Georgia.....               | 65,452                       | 84,255     | 24,114                                       | 46,562                            | 13,549                                    | 63,895                       | 37,097       | 795                             | 1,918         |
| Florida.....               | 1,637,073                    | 5,054,934  | 1,380,593                                    | 1,967,508                         | 2,606,788                                 | 398,200                      | 216,536      | 13,847                          | 45,484        |
| <b>East South Central.</b> | 2,323,695                    | 4,167,681  | 466,627                                      | 3,231,261                         | 469,713                                   | 3,021,791                    | 2,334,721    | 11,524                          | 35,328        |
| Kentucky.....              | 358,480                      | 585,625    | 47,302                                       | 425,883                           | 109,440                                   | 515,101                      | 320,084      | 1,522                           | 5,358         |
| Tennessee.....             | 386,671                      | 693,600    | 133,230                                      | 367,805                           | 92,525                                    | 413,791                      | 212,690      | 2,926                           | 6,367         |
| Mississippi.....           | 1,601,444                    | 2,988,496  | 286,155                                      | 2,434,593                         | 267,748                                   | 2,092,899                    | 1,801,947    | 7,076                           | 23,601        |
| <b>West South Central.</b> | 7,924,197                    | 11,340,152 | 1,597,904                                    | 8,243,890                         | 1,498,358                                 | 7,570,988                    | 5,662,415    | 28,946                          | 72,572        |
| Arkansas.....              | 3,470,591                    | 4,631,155  | 586,664                                      | 3,435,280                         | 609,211                                   | 2,940,035                    | 2,425,632    | 14,147                          | 37,532        |
| Louisiana.....             | 2,206,328                    | 3,655,483  | 789,859                                      | 2,466,972                         | 381,622                                   | 2,571,531                    | 1,822,620    | 9,022                           | 20,753        |
| Oklahoma.....              | 12,150                       | 170,158    | 5,734                                        | 143,221                           | 21,203                                    | 168,986                      | 135,650      | 76                              | 2,284         |
| Texas.....                 | 2,166,128                    | 2,883,356  | 218,617                                      | 2,178,417                         | 436,322                                   | 1,805,486                    | 1,276,207    | 5,701                           | 12,008        |
| <b>Mountain.</b>           | 810,076                      | 1,969,770  | 59,667                                       | 1,779,788                         | 130,315                                   | 1,728,767                    | 1,504,265    | 7,840                           | 27,877        |
| Montana.....               | 168,682                      | 167,629    | 6,388                                        | 152,671                           | 8,370                                     | 150,844                      | 114,266      | 665                             | 1,879         |
| Idaho.....                 | 94,042                       | 375,454    | 13,670                                       | 333,204                           | 28,990                                    | 362,303                      | 334,546      | 1,069                           | 5,112         |
| Wyoming.....               | 95,474                       | 245,703    | 9,021                                        | 219,762                           | 16,927                                    | 188,327                      | 163,015      | 1,176                           | 5,251         |
| Colorado.....              | 171,656                      | 366,719    | 5,504                                        | 313,039                           | 48,176                                    | 305,966                      | 274,922      | 1,082                           | 4,358         |
| New Mexico.....            | 140,219                      | 176,292    | 15,220                                       | 144,750                           | 18,322                                    | 154,610                      | 137,570      | 1,711                           | 3,279         |
| Arizona.....               | 36,640                       | 318,031    | 4,125                                        | 313,112                           | 1,694                                     | 304,802                      | 278,066      | 414                             | 4,772         |
| Utah.....                  | 113,823                      | 156,052    | 5,600                                        | 142,941                           | 7,511                                     | 109,618                      | 90,368       | 1,005                           | 4,772         |
| Nevada.....                | 16,940                       | 162,980    | 139                                          | 160,108                           | 2,732                                     | 155,491                      | 111,512      | 118                             | 1,350         |
| <b>Pacific.</b>            | 1,207,243                    | 2,812,138  | 63,073                                       | 2,493,736                         | 265,329                                   | 2,522,990                    | 2,221,618    | 49,255                          | 76,256        |
| Washington.....            | 94,924                       | 367,242    | 9,879                                        | 329,166                           | 28,197                                    | 351,898                      | 300,818      | 1,398                           | 4,538         |
| Oregon.....                | 4,000                        | 211,182    | 30,575                                       | 153,381                           | 27,226                                    | 146,578                      | 116,987      | 200                             | 4,166         |
| California.....            | 1,108,319                    | 2,233,714  | 12,619                                       | 2,011,189                         | 209,906                                   | 2,024,446                    | 1,794,813    | 47,687                          | 66,452        |

Source: Bureau of the Census, Department of Commerce.



## 25.—FARMS—GENERAL STATISTICS

[Data in this section relate to continental United States]

### No. 550.—POPULATION, FARMS, AND FARM PROPERTY

NOTE.—Figures for 1850 and 1900 relate to June 1, for 1910 to Apr. 15, for 1920, 1925, and 1935 to Jan. 1, and for 1930 to Apr. 1, except that the classification of land according to use refers to the preceding year. Leaders indicate that data are not available.

| Item                                                       | 1850         | 1900         | 1910         | 1920          | 1925             | 1930          | 1935          |
|------------------------------------------------------------|--------------|--------------|--------------|---------------|------------------|---------------|---------------|
| Total population.....                                      | 23, 191, 876 | 75, 994, 575 | 91, 872, 266 | 105, 710, 620 | 114, 035, 000    | 122, 775, 046 | 127, 152, 000 |
| Urban.....                                                 | 30, 380, 433 | 42, 166, 120 | 54, 304, 603 | 61, 451, 000  | 68, 964, 823     | 72, 320, 000  | 75, 320, 000  |
| Rural <sup>1</sup> .....                                   | 45, 614, 142 | 49, 806, 146 | 51, 406, 017 | 52, 584, 000  | 53, 820, 223     | 54, 832, 000  | 54, 832, 000  |
| Percent of total.....                                      | 60.0         | 54.2         | 48.6         | 46.1          | 43.8             | 43.1          | 43.1          |
| Farm population <sup>2</sup> .....                         |              |              |              | 31, 614, 289  | ( <sup>4</sup> ) | 30, 446, 350  | 31, 800, 907  |
| Percent of total.....                                      |              |              |              | 29.9          | ( <sup>4</sup> ) | 24.8          | 25.0          |
| Percent of rural.....                                      |              |              |              | 61.5          | ( <sup>4</sup> ) | 56.0          | 58.0          |
| Number of farms.....                                       | 1, 449, 073  | 5, 737, 372  | 6, 361, 502  | 6, 448, 343   | 6, 371, 640      | 6, 288, 648   | 6, 813, 350   |
| Approximate land area of United States (1,000 acres).....  | 1, 884, 376  | 1, 903, 462  | 1, 903, 290  | 1, 903, 215   | 1, 908, 217      | 1, 903, 217   | 1, 903, 217   |
| Percent in farms.....                                      | 15.6         | 44.1         | 46.2         | 50.2          | 48.6             | 51.8          | 55.4          |
| All land in farms (1,000 acres).....                       | 283, 561     | 838, 592     | 878, 798     | 955, 884      | 924, 319         | 986, 771      | 1, 054, 516   |
| Crop land harvested.....                                   |              |              |              |               | 344, 549         | 359, 242      | 296, 624      |
| Crop failure.....                                          |              |              |              |               | 13, 018          | 12, 707       | 63, 682       |
| Crop land idle or fallow.....                              |              |              |              |               | 33, 893          | 41, 287       | 56, 029       |
| Plowable pasture.....                                      |              |              |              |               | 113, 567         | 109, 160      | 98, 579       |
| Woodland pasture.....                                      |              |              |              |               | 76, 704          | 86, 322       | 108, 096      |
| Other pasture.....                                         |              |              |              |               | 217, 687         | 269, 673      | 311, 226      |
| Woodland not pastured.....                                 |              |              |              |               | 67, 067          | 64, 624       | 77, 379       |
| All other.....                                             |              |              |              |               | 87, 834          | 44, 757       | 43, 901       |
| Land available for crops <sup>3</sup> .....                | 113, 033     | 414, 498     | 478, 452     | 503, 073      | 505, 027         | 522, 396      | 513, 014      |
| Average acreage per farm.....                              | 202.6        | 146.2        | 138.1        | 148.2         | 145.1            | 158.9         | 154.8         |
| Value of all farm property (thousands of dollars).....     | 3, 967, 344  | 20, 439, 901 | 40, 991, 449 | 77, 923, 652  | 57, 017, 740     | 57, 245, 544  | 62, 858, 844  |
| Land and buildings.....                                    | 3, 271, 575  | 16, 614, 647 | 34, 801, 120 | 60, 316, 003  | 49, 467, 647     | 47, 879, 838  | 52, 858, 844  |
| Land.....                                                  | 13, 053, 008 | 28, 475, 074 | 54, 829, 563 | 37, 721, 018  | 34, 929, 845     | 34, 929, 845  | 34, 929, 845  |
| Buildings.....                                             | 3, 550, 639  | 6, 325, 452  | 11, 486, 440 | 11, 746, 620  | 12, 949, 994     | 12, 949, 994  | 12, 949, 994  |
| Implements and machinery.....                              | 151, 888     | 749, 776     | 1, 265, 150  | 3, 594, 773   | 2, 691, 704      | 3, 201, 654   | 3, 201, 654   |
| Livestock.....                                             | 544, 181     | 3, 075, 478  | 4, 925, 174  | 8, 012, 876   | 4, 868, 389      | 6, 064, 051   | 6, 418, 510   |
| Percent of value of all farm property represented by—      |              |              |              |               |                  |               |               |
| Land and buildings.....                                    | 82.5         | 81.8         | 84.9         | 85.1          | 86.8             | 83.6          | 83.6          |
| Land.....                                                  | 83.9         | 89.5         | 89.5         | 70.4          | 68.2             | 61.0          | 61.0          |
| Buildings.....                                             | 17.4         | 15.4         | 15.4         | 14.7          | 20.6             | 22.6          | 22.6          |
| Implements and machinery.....                              | 3.8          | 3.7          | 3.1          | 4.6           | 4.7              | 5.8           | 5.8           |
| Livestock.....                                             | 13.7         | 15.0         | 12.0         | 10.3          | 8.5              | 10.6          | 10.6          |
| Average value of all farm property per farm (dollars)..... | 2, 738       | 3, 563       | 6, 444       | 12, 084       | 8, 949           | 9, 108        | 9, 108        |
| Land and buildings.....                                    | 2, 258       | 2, 396       | 5, 471       | 10, 284       | 7, 764           | 7, 614        | 8, 823        |
| Land.....                                                  | 2, 276       | 4, 476       | 8, 503       | 5, 920        | 5, 920           | 5, 554        | 5, 554        |
| Buildings.....                                             | 620          | 904          | 1, 781       | 1, 844        | 1, 844           | 2, 059        | 2, 059        |
| Implements and machinery.....                              | 105          | 131          | 199          | 557           | 422              | 525           | 525           |
| Livestock.....                                             | 376          | 536          | 774          | 1, 243        | 763              | 964           | 964           |
| Average value of all farm property per acre (dollars)..... | 13.51        | 24.37        | 46.84        | 81.52         | 61.69            | 58.01         | 58.01         |
| Land and buildings.....                                    | 11.14        | 19.81        | 39.60        | 69.38         | 53.52            | 48.52         | 48.52         |
| Land.....                                                  | 15.57        | 32.40        | 57.36        | 57.36         | 40.81            | 35.40         | 35.40         |
| Buildings.....                                             | 4.24         | 7.20         | 12.02        | 12.02         | 12.71            | 13.12         | 13.12         |
| Implements and machinery.....                              | .52          | .89          | 1.44         | 3.76          | 2.91             | 3.35          | 3.35          |
| Livestock.....                                             | 1.85         | 3.67         | 5.60         | 8.38          | 5.26             | 6.15          | 6.15          |

<sup>1</sup> Estimates; urban and rural for 1935 preliminary.

<sup>2</sup> For definition of urban and rural, see headnote, table 7, p. 6.

<sup>3</sup> The 1930 and 1935 farm population comprises all persons living on farms without regard to occupation; the 1920 figures include also those farm laborers (and their families) who, while not living on farms, lived outside the limits of any incorporated place. A further difference is due to the fact that the 1920 and 1935 censuses were taken in January, while the 1930 census was taken in April, when the number of persons on farms is appreciably larger. For farm population by States see table 10, p. 8, and table 567, p. 501.

<sup>4</sup> Data collected for 1925 are not strictly comparable with figures for other years.

<sup>5</sup> Includes crop land harvested, crop failure, crop land lying idle or fallow, and plowable pasture.

<sup>6</sup> "Improved land"; figures nominally include land available for crops and land occupied by buildings, yards, and barnyards.

<sup>7</sup> These figures include the value of fences, tile drains, and other incidental improvements on the land, excluding only the value of buildings.

<sup>8</sup> See note 1 on "livestock" table 554, p. 576.

Source: Bureau of the Census, Department of Commerce.

## No. 551.—AVERAGE VALUES PER FARM AND PER ACRE: BY STATES

NOTE.—Averages are based on data shown in tables 552 and 554. The 1935 schedule called for the value of land and buildings only. The average value of land per acre is shown for 1920, 1925, and 1930 in the 1935 and previous issues of this publication

| Division and State      | Average value per farm (dollars) |        |        |                    |        |        |        | Average value of land and buildings per acre (dollars) |          |          |          |
|-------------------------|----------------------------------|--------|--------|--------------------|--------|--------|--------|--------------------------------------------------------|----------|----------|----------|
|                         | All farm property                |        |        | Land and buildings |        |        |        |                                                        |          |          |          |
|                         | 1920                             | 1925   | 1930   | 1920               | 1925   | 1930   | 1935   | 1920                                                   | 1925     | 1930     | 1935     |
| United States.....      | 12,084                           | 8,949  | 9,103  | 10,284             | 7,704  | 7,614  | 4,823  | 69.38                                                  | 53.52    | 48.52    | 31.16    |
| New England.....        | 7,492                            | 6,844  | 9,256  | 5,880              | 5,878  | 7,530  | 5,896  | 54.00                                                  | 57.11    | 65.86    | 66.26    |
| Maine.....              | 5,009                            | 4,914  | 6,376  | 3,943              | 3,943  | 4,981  | 3,425  | 37.62                                                  | 38.22    | 41.87    | 30.40    |
| New Hampshire.....      | 5,782                            | 5,084  | 6,482  | 4,385              | 4,113  | 5,190  | 3,783  | 34.56                                                  | 38.30    | 39.47    | 31.64    |
| Vermont.....            | 7,661                            | 6,511  | 8,147  | 5,473              | 4,940  | 5,801  | 4,286  | 37.56                                                  | 34.97    | 37.40    | 28.09    |
| Massachusetts.....      | 9,389                            | 8,770  | 11,870 | 7,737              | 7,011  | 10,205 | 7,285  | 99.25                                                  | 107.53   | 130.20   | 116.44   |
| Rhode Island.....       | 8,238                            | 8,552  | 12,378 | 6,463              | 7,139  | 10,388 | 8,144  | 79.58                                                  | 90.35    | 128.52   | 114.51   |
| Connecticut.....        | 10,019                           | 9,932  | 15,136 | 8,309              | 8,089  | 13,226 | 8,828  | 100.20                                                 | 110.22   | 151.38   | 136.49   |
| Middle Atlantic.....    | 9,290                            | 8,305  | 10,074 | 7,061              | 6,684  | 7,880  | 5,385  | 73.96                                                  | 74.68    | 80.40    | 58.74    |
| New York.....           | 9,879                            | 9,043  | 10,712 | 7,376              | 7,243  | 8,234  | 5,905  | 69.07                                                  | 70.95    | 73.19    | 55.95    |
| New Jersey.....         | 10,499                           | 10,484 | 14,004 | 8,428              | 8,348  | 11,776 | 7,977  | 109.67                                                 | 136.42   | 169.90   | 122.41   |
| Pennsylvania.....       | 8,551                            | 7,287  | 8,900  | 6,560              | 5,838  | 8,977  | 4,605  | 75.14                                                  | 71.81    | 78.58    | 54.36    |
| East North Central..... | 15,898                           | 11,975 | 11,501 | 13,771             | 10,488 | 9,860  | 6,087  | 128.87                                                 | 87.77    | 84.20    | 56.40    |
| Ohio.....               | 12,060                           | 9,141  | 9,179  | 10,368             | 7,951  | 7,720  | 5,007  | 113.18                                                 | 87.57    | 78.09    | 55.89    |
| Indiana.....            | 14,831                           | 9,867  | 9,242  | 12,937             | 8,061  | 7,796  | 6,180  | 125.98                                                 | 55.15    | 71.90    | 50.70    |
| Illinois.....           | 28,108                           | 20,514 | 17,054 | 25,289             | 18,615 | 15,553 | 9,536  | 187.59                                                 | 130.65   | 108.68   | 69.67    |
| Michigan.....           | 8,976                            | 7,024  | 8,490  | 7,313              | 6,676  | 6,853  | 4,205  | 75.49                                                  | 71.20    | 67.80    | 44.76    |
| Wisconsin.....          | 14,143                           | 11,705 | 12,160 | 11,568             | 9,830  | 9,526  | 6,238  | 98.78                                                  | 86.90    | 79.16    | 53.15    |
| West North Central..... | 25,517                           | 16,988 | 16,308 | 22,307             | 14,875 | 13,628 | 7,954  | 95.22                                                  | 66.64    | 67.10    | 34.87    |
| Minnesota.....          | 21,221                           | 14,672 | 14,079 | 18,466             | 12,717 | 11,471 | 6,803  | 109.23                                                 | 79.63    | 68.74    | 42.14    |
| Iowa.....               | 39,039                           | 26,240 | 23,229 | 35,016             | 23,207 | 19,655 | 11,027 | 292.06                                                 | 148.87   | 124.18   | 71.66    |
| Missouri.....           | 13,054                           | 8,779  | 8,398  | 11,046             | 7,691  | 7,018  | 3,948  | 88.08                                                  | 61.37    | 53.23    | 31.36    |
| North Dakota.....       | 22,651                           | 15,678 | 15,218 | 19,160             | 13,428 | 12,199 | 8,358  | 41.10                                                  | 29.72    | 24.61    | 18.08    |
| South Dakota.....       | 37,835                           | 20,357 | 18,991 | 33,132             | 18,071 | 15,465 | 8,305  | 71.40                                                  | 44.89    | 36.24    | 18.65    |
| Nebraska.....           | 33,771                           | 22,504 | 22,671 | 29,836             | 19,760 | 19,274 | 11,096 | 87.91                                                  | 60.06    | 55.81    | 33.53    |
| Kansas.....             | 19,082                           | 15,097 | 10,234 | 17,122             | 13,250 | 13,798 | 8,469  | 62.30                                                  | 50.26    | 48.50    | 30.80    |
| South Atlantic.....     | 5,292                            | 4,205  | 4,224  | 4,488              | 3,899  | 3,839  | 2,434  | 53.20                                                  | 48.28    | 44.60    | 29.09    |
| Delaware.....           | 7,903                            | 7,007  | 8,579  | 6,386              | 5,818  | 6,896  | 4,950  | 68.50                                                  | 60.33    | 74.31    | 55.88    |
| Maryland.....           | 9,678                            | 8,104  | 9,843  | 8,070              | 6,906  | 8,244  | 5,465  | 81.25                                                  | 77.00    | 81.42    | 55.37    |
| Dist. of Columbia.....  | 29,059                           | 35,992 | 70,633 | 27,340             | 34,500 | 68,090 | 80,700 | 984.01                                                 | 1,267.65 | 2,326.18 | 2,564.47 |
| Virginia.....           | 6,426                            | 5,169  | 5,819  | 5,501              | 4,578  | 5,016  | 3,005  | 65.19                                                  | 51.53    | 51.16    | 33.66    |
| West Virginia.....      | 5,687                            | 4,549  | 4,983  | 4,706              | 3,041  | 4,138  | 2,269  | 42.93                                                  | 39.60    | 38.85    | 25.22    |
| North Carolina.....     | 4,034                            | 3,704  | 3,451  | 3,990              | 3,207  | 3,018  | 2,069  | 53.78                                                  | 49.80    | 46.78    | 31.24    |
| South Carolina.....     | 4,946                            | 3,028  | 2,784  | 4,222              | 2,649  | 2,401  | 1,725  | 65.46                                                  | 43.01    | 30.48    | 23.16    |
| Georgia.....            | 4,366                            | 2,757  | 2,674  | 3,603              | 2,359  | 2,259  | 1,715  | 44.74                                                  | 26.77    | 20.15    | 16.99    |
| Florida.....            | 6,116                            | 5,678  | 7,843  | 5,212              | 5,088  | 7,179  | 4,407  | 46.55                                                  | 51.67    | 84.22    | 53.03    |
| East South Central..... | 4,203                            | 2,881  | 3,039  | 3,484              | 2,468  | 2,528  | 1,884  | 46.44                                                  | 35.14    | 36.88    | 24.21    |
| Kentucky.....           | 5,537                            | 3,727  | 4,177  | 4,823              | 3,273  | 3,535  | 2,229  | 60.99                                                  | 42.56    | 43.73    | 29.97    |
| Tennessee.....          | 4,053                            | 3,407  | 3,030  | 4,055              | 3,006  | 3,025  | 2,030  | 52.53                                                  | 42.42    | 41.28    | 29.12    |
| Alabama.....            | 2,698                            | 2,107  | 2,375  | 2,123              | 1,740  | 1,952  | 1,347  | 27.77                                                  | 24.78    | 28.62    | 18.73    |
| Mississippi.....        | 3,540                            | 2,140  | 2,216  | 2,903              | 1,785  | 1,818  | 1,190  | 43.41                                                  | 28.60    | 32.79    | 18.87    |
| West South Central..... | 7,652                            | 5,800  | 6,222  | 6,316              | 4,875  | 5,283  | 3,542  | 36.27                                                  | 30.05    | 31.67    | 20.04    |
| Arkansas.....           | 3,974                            | 2,853  | 2,982  | 3,233              | 2,436  | 2,291  | 1,486  | 43.14                                                  | 34.59    | 34.13    | 21.20    |
| Louisiana.....          | 4,354                            | 2,914  | 3,103  | 3,499              | 2,461  | 2,690  | 1,730  | 47.31                                                  | 36.74    | 44.70    | 28.29    |
| Oklahoma.....           | 8,649                            | 6,136  | 7,246  | 7,104              | 5,318  | 6,096  | 3,877  | 42.68                                                  | 33.97    | 36.78    | 22.20    |
| Texas.....              | 10,200                           | 7,456  | 8,546  | 8,486              | 6,540  | 7,260  | 5,137  | 32.45                                                  | 27.77    | 28.65    | 18.70    |
| Mountain.....           | 18,727                           | 11,818 | 13,518 | 12,958             | 9,310  | 10,188 | 6,581  | 28.98                                                  | 18.60    | 15.61    | 10.19    |
| Montana.....            | 17,095                           | 12,267 | 14,514 | 13,468             | 9,709  | 11,109 | 7,483  | 22.15                                                  | 13.91    | 11.81    | 7.91     |
| Idaho.....              | 17,008                           | 11,132 | 12,952 | 13,811             | 9,197  | 10,012 | 6,914  | 58.43                                                  | 46.00    | 44.94    | 30.89    |
| Wyoming.....            | 21,235                           | 15,497 | 19,149 | 14,007             | 11,132 | 12,919 | 9,597  | 19.88                                                  | 9.25     | 8.70     | 6.92     |
| Colorado.....           | 17,060                           | 12,277 | 13,209 | 14,449             | 10,211 | 10,497 | 6,550  | 35.40                                                  | 24.51    | 21.79    | 13.97    |
| New Mexico.....         | 10,896                           | 7,457  | 9,334  | 7,432              | 5,520  | 6,413  | 4,113  | 9.09                                                   | 6.28     | 6.74     | 4.96     |
| Arizona.....            | 23,413                           | 17,904 | 17,175 | 17,276             | 13,832 | 12,669 | 7,047  | 26.70                                                  | 13.01    | 17.50    | 9.46     |
| Utah.....               | 12,180                           | 9,631  | 10,643 | 9,499              | 7,305  | 8,145  | 5,167  | 48.26                                                  | 38.43    | 39.41    | 26.37    |
| Nevada.....             | 31,546                           | 25,260 | 28,236 | 20,947             | 17,512 | 18,626 | 11,518 | 28.11                                                  | 16.62    | 15.71    | 11.75    |
| Pacific.....            | 22,684                           | 18,686 | 20,629 | 18,941             | 16,926 | 18,431 | 11,093 | 53.16                                                  | 39.85    | 79.70    | 53.22    |
| Washington.....         | 15,962                           | 11,230 | 12,822 | 13,885             | 9,921  | 10,911 | 6,527  | 60.40                                                  | 57.64    | 57.17    | 37.51    |
| Oregon.....             | 16,304                           | 12,773 | 13,705 | 13,449             | 11,019 | 11,433 | 6,922  | 49.86                                                  | 43.60    | 38.12    | 25.85    |
| California.....         | 29,158                           | 26,107 | 27,680 | 26,122             | 23,111 | 25,203 | 15,466 | 104.67                                                 | 114.57   | 112.33   | 70.40    |

Source: Bureau of the Census, Department of Commerce.

## No. 552.—NUMBER AND ACREAGE OF FARMS:

| Division and State         | Number of farms |           |           |           |           | All land in farms (thousands of acres) |         |         |
|----------------------------|-----------------|-----------|-----------|-----------|-----------|----------------------------------------|---------|---------|
|                            | 1910            | 1920      | 1925      | 1930      | 1935      | 1910                                   | 1920    | 1925    |
| United States .....        | 6,361,502       | 6,448,343 | 6,371,640 | 6,288,648 | 6,612,350 | 878,798                                | 955,884 | 924,319 |
| New England .....          | 188,802         | 156,684   | 158,469   | 124,925   | 158,241   | 13,715                                 | 16,891  | 15,356  |
| Maine .....                | 60,016          | 48,227    | 50,033    | 39,000    | 41,007    | 5,207                                  | 5,426   | 5,181   |
| New Hampshire .....        | 27,053          | 20,523    | 21,065    | 14,909    | 17,605    | 3,249                                  | 2,694   | 2,202   |
| Vermont .....              | 32,709          | 29,075    | 27,786    | 24,898    | 27,061    | 4,064                                  | 4,230   | 3,926   |
| Massachusetts .....        | 36,917          | 32,001    | 33,454    | 25,508    | 35,094    | 2,876                                  | 2,494   | 2,368   |
| Rhode Island .....         | 5,292           | 4,083     | 3,911     | 3,322     | 4,327     | 443                                    | 332     | 306     |
| Connecticut .....          | 26,815          | 22,655    | 23,240    | 17,195    | 32,157    | 2,180                                  | 1,899   | 1,832   |
| Middle Atlantic .....      | 468,379         | 425,147   | 418,868   | 357,603   | 397,684   | 43,191                                 | 40,673  | 37,481  |
| New York .....             | 215,597         | 193,195   | 188,754   | 159,806   | 177,025   | 22,030                                 | 20,638  | 19,270  |
| New Jersey .....           | 33,487          | 29,702    | 29,071    | 25,378    | 20,375    | 2,674                                  | 2,283   | 1,925   |
| Pennsylvania .....         | 219,295         | 202,250   | 200,443   | 172,419   | 191,284   | 18,687                                 | 17,658  | 16,286  |
| East North Central .....   | 1,123,489       | 1,084,744 | 1,061,672 | 988,502   | 1,083,687 | 117,929                                | 117,735 | 112,752 |
| Ohio .....                 | 272,045         | 250,095   | 244,703   | 210,299   | 255,140   | 24,106                                 | 23,610  | 22,219  |
| Indiana .....              | 215,485         | 205,126   | 195,786   | 181,570   | 200,835   | 21,300                                 | 21,063  | 19,915  |
| Illinois .....             | 251,872         | 237,181   | 225,801   | 214,497   | 231,312   | 32,523                                 | 31,975  | 30,732  |
| Michigan .....             | 206,960         | 196,447   | 192,327   | 169,372   | 190,517   | 18,941                                 | 19,033  | 18,035  |
| Wisconsin .....            | 177,127         | 189,295   | 193,155   | 181,767   | 199,877   | 21,060                                 | 22,148  | 21,851  |
| West North Central .....   | 1,109,948       | 1,096,961 | 1,111,314 | 1,112,755 | 1,179,866 | 232,648                                | 266,973 | 243,081 |
| Minnesota .....            | 156,137         | 178,478   | 188,231   | 185,255   | 203,302   | 27,670                                 | 30,222  | 30,050  |
| Iowa .....                 | 217,044         | 213,439   | 213,400   | 214,028   | 221,986   | 33,931                                 | 33,475  | 33,281  |
| Missouri .....             | 277,244         | 263,004   | 260,473   | 255,940   | 278,454   | 34,591                                 | 34,775  | 32,042  |
| North Dakota .....         | 74,360          | 77,690    | 75,970    | 77,075    | 84,606    | 28,427                                 | 36,215  | 34,327  |
| South Dakota .....         | 77,644          | 74,637    | 79,537    | 83,157    | 83,303    | 26,017                                 | 34,636  | 32,018  |
| Nebraska .....             | 120,678         | 124,417   | 127,734   | 129,458   | 133,616   | 38,622                                 | 42,225  | 42,025  |
| Kansas .....               | 177,841         | 165,286   | 165,879   | 166,042   | 174,589   | 43,385                                 | 45,425  | 43,729  |
| South Atlantic .....       | 1,111,881       | 1,158,978 | 1,108,081 | 1,058,468 | 1,147,133 | 103,782                                | 97,775  | 88,569  |
| Delaware .....             | 10,836          | 10,140    | 10,287    | 9,707     | 10,381    | 1,030                                  | 945     | 900     |
| Maryland .....             | 48,923          | 47,908    | 49,001    | 43,203    | 44,412    | 5,057                                  | 4,758   | 4,433   |
| District of Columbia ..... | 217             | 204       | 130       | 104       | 80        | 6                                      | 6       | 4       |
| Virginia .....             | 184,018         | 186,242   | 193,723   | 170,610   | 197,632   | 19,496                                 | 18,501  | 17,210  |
| West Virginia .....        | 96,685          | 87,280    | 90,380    | 82,641    | 104,747   | 10,026                                 | 9,670   | 8,980   |
| North Carolina .....       | 253,725         | 269,763   | 283,482   | 279,708   | 300,967   | 22,430                                 | 20,022  | 18,694  |
| South Carolina .....       | 176,434         | 192,093   | 172,767   | 157,931   | 165,504   | 13,512                                 | 12,427  | 10,639  |
| Georgia .....              | 291,027         | 310,732   | 240,095   | 255,598   | 250,544   | 26,953                                 | 26,441  | 21,945  |
| Florida .....              | 50,016          | 54,005    | 50,217    | 58,906    | 72,857    | 5,254                                  | 6,047   | 5,865   |
| East South Central .....   | 1,042,480       | 1,051,600 | 1,006,052 | 1,062,214 | 1,137,219 | 81,521                                 | 78,897  | 70,607  |
| Kentucky .....             | 259,185         | 270,626   | 258,524   | 246,499   | 278,298   | 22,189                                 | 21,613  | 19,913  |
| Tennessee .....            | 245,012         | 252,774   | 252,660   | 245,657   | 273,783   | 20,042                                 | 19,511  | 17,001  |
| Alabama .....              | 262,001         | 256,090   | 237,631   | 257,395   | 273,455   | 20,732                                 | 19,677  | 16,739  |
| Mississippi .....          | 274,382         | 272,101   | 267,228   | 312,663   | 311,683   | 18,558                                 | 18,197  | 16,053  |
| West South Central .....   | 943,186         | 996,088   | 1,017,305 | 1,103,134 | 1,137,571 | 169,150                                | 173,449 | 165,013 |
| Arkansas .....             | 214,678         | 232,604   | 221,901   | 242,334   | 253,013   | 17,416                                 | 17,457  | 16,632  |
| Louisiana .....            | 120,546         | 135,465   | 132,450   | 161,445   | 170,216   | 10,439                                 | 10,020  | 8,838   |
| Oklahoma .....             | 190,192         | 191,888   | 197,218   | 203,866   | 213,325   | 26,859                                 | 31,952  | 30,669  |
| Texas .....                | 417,770         | 436,083   | 465,646   | 495,489   | 501,017   | 112,435                                | 114,021 | 109,074 |
| Mountain .....             | 183,446         | 244,109   | 238,392   | 241,314   | 271,392   | 59,693                                 | 117,837 | 131,689 |
| Montana .....              | 25,214          | 57,677    | 46,904    | 47,495    | 50,564    | 13,546                                 | 35,071  | 32,736  |
| Idaho .....                | 30,807          | 42,106    | 40,592    | 41,674    | 45,113    | 5,284                                  | 8,376   | 8,116   |
| Wyoming .....              | 10,987          | 15,748    | 15,512    | 16,011    | 17,487    | 8,543                                  | 11,809  | 13,663  |
| Colorado .....             | 46,170          | 59,934    | 58,020    | 59,956    | 63,644    | 13,632                                 | 24,462  | 24,107  |
| New Mexico .....           | 35,676          | 29,844    | 31,687    | 31,404    | 41,369    | 11,270                                 | 24,410  | 27,850  |
| Arizona .....              | 9,227           | 0,975     | 10,802    | 14,173    | 18,824    | 1,247                                  | 5,802   | 11,068  |
| Utah .....                 | 21,676          | 25,062    | 25,992    | 27,159    | 30,095    | 3,396                                  | 5,050   | 6,001   |
| Nevada .....               | 2,689           | 3,163     | 3,583     | 3,442     | 3,696     | 2,715                                  | 2,357   | 4,091   |
| Pacific .....              | 189,891         | 234,184   | 265,587   | 261,733   | 299,587   | 51,329                                 | 56,158  | 54,268  |
| Washington .....           | 56,192          | 66,288    | 73,267    | 70,904    | 84,381    | 11,712                                 | 13,245  | 12,010  |
| Oregon .....               | 45,802          | 50,205    | 55,911    | 55,153    | 64,826    | 11,685                                 | 13,542  | 14,131  |
| California .....           | 88,197          | 117,670   | 136,409   | 135,676   | 150,360   | 27,931                                 | 29,366  | 27,517  |

Source: Bureau of the Census, Department of Commerce.

# NUMBER AND ACREAGE OF FARMS

573

By STATES, WITH AVERAGES AND PERCENTAGES

| All land in farms (thousands of acres)—Continued |           | Average acreage per farm |       |          |          |          | Percent of total land area represented by all land in farms |      |      |      |      | Division and State |
|--------------------------------------------------|-----------|--------------------------|-------|----------|----------|----------|-------------------------------------------------------------|------|------|------|------|--------------------|
| 1930                                             | 1935      | 1910                     | 1920  | 1925     | 1930     | 1935     | 1910                                                        | 1920 | 1925 | 1930 | 1935 |                    |
| 968, 771                                         | 1,054,515 | 138.1                    | 148.2 | 145.1    | 156.9    | 154.8    | 48.2                                                        | 50.2 | 48.8 | 51.8 | 55.4 | U. S.              |
| 14, 283                                          | 15, 483   | 104.4                    | 108.5 | 99.4     | 114.3    | 97.7     | 49.7                                                        | 42.8 | 40.0 | 38.0 | 39.0 | N. E.              |
| 4, 040                                           | 4, 722    | 104.9                    | 112.5 | 103.2    | 119.0    | 112.7    | 32.9                                                        | 28.4 | 27.0 | 24.3 | 24.7 | Me.                |
| 1, 950                                           | 2, 116    | 120.1                    | 126.9 | 107.4    | 131.5    | 119.6    | 56.2                                                        | 45.0 | 39.1 | 33.9 | 36.6 | N. H.              |
| 3, 896                                           | 4, 043    | 142.6                    | 145.7 | 141.3    | 156.5    | 149.4    | 79.9                                                        | 72.5 | 67.2 | 68.7 | 69.2 | Vt.                |
| 2, 006                                           | 2, 196    | 77.9                     | 77.9  | 70.8     | 78.3     | 62.6     | 55.9                                                        | 48.5 | 46.0 | 39.0 | 42.7 | Mass.              |
| 279                                              | 308       | 33.8                     | 31.2  | 79.0     | 84.1     | 71.1     | 64.9                                                        | 48.6 | 45.3 | 40.9 | 45.1 | R. I.              |
| 1, 502                                           | 2, 080    | 81.5                     | 83.8  | 78.8     | 87.4     | 64.7     | 70.9                                                        | 61.6 | 59.4 | 48.7 | 67.4 | Conn.              |
| 35, 047                                          | 36, 455   | 92.2                     | 95.4  | 89.5     | 98.0     | 91.7     | 67.5                                                        | 63.4 | 58.8 | 54.8 | 57.0 | M. A.              |
| 17, 980                                          | 18, 686   | 102.2                    | 100.8 | 102.1    | 112.5    | 105.6    | 72.2                                                        | 67.7 | 62.2 | 59.0 | 61.3 | N. Y.              |
| 1, 758                                           | 1, 914    | 76.9                     | 76.8  | 64.9     | 69.2     | 65.2     | 53.5                                                        | 47.5 | 40.0 | 36.6 | 39.8 | N. J.              |
| 15, 300                                          | 15, 855   | 84.8                     | 87.3  | 81.3     | 88.8     | 82.9     | 64.8                                                        | 61.5 | 58.8 | 53.4 | 55.3 | Pa.                |
| 110, 891                                         | 118, 957  | 105.0                    | 108.5 | 107.2    | 114.7    | 107.9    | 75.0                                                        | 74.9 | 71.7 | 70.6 | 74.4 | E. N. C.           |
| 21, 514                                          | 22, 858   | 88.6                     | 91.6  | 90.8     | 98.1     | 89.6     | 92.5                                                        | 90.2 | 85.2 | 82.5 | 87.7 | Ohio.              |
| 10, 089                                          | 20, 519   | 98.8                     | 102.7 | 101.7    | 108.4    | 102.2    | 92.3                                                        | 91.3 | 86.3 | 85.3 | 88.9 | Ind.               |
| 30, 995                                          | 31, 661   | 120.1                    | 134.8 | 136.2    | 143.1    | 136.9    | 90.7                                                        | 89.1 | 85.7 | 85.6 | 88.3 | Ill.               |
| 17, 119                                          | 18, 490   | 91.5                     | 96.9  | 93.8     | 101.1    | 93.9     | 51.5                                                        | 61.7 | 49.0 | 46.5 | 50.2 | Mich.              |
| 21, 874                                          | 23, 459   | 118.9                    | 117.0 | 113.1    | 120.3    | 117.4    | 59.6                                                        | 62.6 | 61.8 | 61.9 | 66.3 | Wis.               |
| 265, 488                                         | 273, 077  | 209.8                    | 234.3 | 223.2    | 238.6    | 231.4    | 71.2                                                        | 78.6 | 75.9 | 81.2 | 83.5 | W. N. C.           |
| 30, 013                                          | 32, 818   | 177.3                    | 169.3 | 159.7    | 166.9    | 161.4    | 53.5                                                        | 58.4 | 58.1 | 59.7 | 63.4 | Minn.              |
| 34, 019                                          | 34, 359   | 156.3                    | 156.8 | 155.9    | 158.3    | 154.8    | 95.4                                                        | 94.1 | 93.6 | 95.6 | 96.6 | Iowa.              |
| 33, 743                                          | 35, 055   | 124.8                    | 132.2 | 125.3    | 131.8    | 125.9    | 78.6                                                        | 79.1 | 74.2 | 76.7 | 79.7 | Mo.                |
| 38, 658                                          | 39, 118   | 382.3                    | 400.1 | 451.9    | 495.8    | 462.4    | 63.3                                                        | 80.6 | 76.4 | 86.1 | 87.1 | N. Dak.            |
| 30, 470                                          | 37, 102   | 335.1                    | 464.1 | 402.6    | 438.6    | 445.4    | 52.9                                                        | 70.4 | 65.1 | 74.1 | 75.4 | S. Dak.            |
| 44, 709                                          | 46, 616   | 297.8                    | 339.4 | 329.0    | 345.4    | 348.9    | 78.6                                                        | 85.9 | 85.5 | 91.0 | 94.8 | Nebr.              |
| 40, 976                                          | 48, 010   | 244.0                    | 274.8 | 263.6    | 282.9    | 275.0    | 82.9                                                        | 86.8 | 83.6 | 89.8 | 91.7 | Kans.              |
| 86, 363                                          | 95, 987   | 93.3                     | 84.4  | 79.9     | 81.6     | 83.7     | 60.3                                                        | 58.8 | 51.4 | 50.2 | 55.7 | S. A.              |
| 901                                              | 921       | 95.9                     | 93.1  | 87.7     | 92.8     | 88.7     | 82.6                                                        | 75.1 | 71.5 | 71.6 | 73.3 | Del.               |
| 4, 374                                           | 4, 384    | 103.4                    | 99.3  | 90.5     | 101.3    | 98.7     | 79.5                                                        | 74.8 | 69.7 | 68.8 | 68.9 | Md.                |
| 3                                                | 3         | 27.9                     | 27.8  | 27.4     | 29.5     | 31.5     | 15.8                                                        | 14.8 | 9.6  | 7.7  | 7.1  | D. O.              |
| 16, 720                                          | 17, 645   | 105.9                    | 99.7  | 88.8     | 98.1     | 89.3     | 75.7                                                        | 72.0 | 66.8 | 64.9 | 68.5 | Va.                |
| 8, 802                                           | 9, 424    | 103.7                    | 100.6 | 99.4     | 106.5    | 90.0     | 65.2                                                        | 62.2 | 58.4 | 57.3 | 61.3 | W. Va.             |
| 18, 055                                          | 19, 936   | 88.4                     | 74.2  | 65.6     | 64.5     | 66.2     | 71.9                                                        | 64.2 | 69.6 | 57.9 | 63.9 | N. Ca.             |
| 10, 393                                          | 12, 330   | 76.6                     | 64.5  | 61.6     | 65.8     | 74.5     | 69.2                                                        | 63.7 | 64.5 | 53.3 | 63.2 | S. C.              |
| 22, 070                                          | 25, 297   | 92.6                     | 81.9  | 88.1     | 86.4     | 101.0    | 71.7                                                        | 67.7 | 68.4 | 58.7 | 67.3 | Ga.                |
| 5, 027                                           | 6, 048    | 105.0                    | 112.0 | 99.0     | 85.2     | 83.0     | 15.0                                                        | 17.2 | 16.7 | 14.3 | 17.2 | Fla.               |
| 72, 818                                          | 79, 101   | 78.2                     | 75.0  | 70.2     | 68.6     | 69.6     | 71.0                                                        | 68.7 | 61.5 | 63.4 | 68.9 | E. S. C.           |
| 19, 928                                          | 20, 699   | 85.6                     | 79.9  | 77.0     | 80.8     | 74.4     | 86.3                                                        | 84.0 | 77.4 | 77.5 | 80.5 | Ky.                |
| 18, 003                                          | 19, 086   | 81.5                     | 77.2  | 70.8     | 73.3     | 69.7     | 75.1                                                        | 73.1 | 67.1 | 67.5 | 71.5 | Tenn.              |
| 17, 555                                          | 19, 681   | 78.9                     | 76.4  | 70.4     | 68.2     | 71.9     | 63.2                                                        | 59.7 | 51.0 | 53.5 | 59.9 | Ala.               |
| 17, 332                                          | 19, 655   | 67.6                     | 66.9  | 62.4     | 55.4     | 63.1     | 62.5                                                        | 61.3 | 54.1 | 58.4 | 66.2 | Miss.              |
| 183, 908                                         | 201, 118  | 179.3                    | 174.1 | 162.2    | 168.7    | 178.8    | 61.5                                                        | 63.1 | 60.0 | 66.9 | 73.1 | W. S. C.           |
| 16, 053                                          | 17, 742   | 81.1                     | 75.0  | 70.4     | 66.2     | 70.1     | 51.8                                                        | 51.9 | 46.5 | 47.8 | 52.8 | Ark.               |
| 9, 355                                           | 10, 444   | 86.6                     | 74.0  | 66.7     | 57.9     | 61.4     | 35.9                                                        | 34.5 | 30.4 | 32.2 | 35.9 | La.                |
| 33, 791                                          | 35, 333   | 161.7                    | 166.4 | 156.5    | 165.8    | 165.6    | 65.0                                                        | 71.9 | 69.5 | 76.1 | 79.6 | Okla.              |
| 124, 707                                         | 137, 697  | 269.1                    | 261.5 | 235.5    | 251.7    | 274.6    | 67.0                                                        | 67.9 | 65.3 | 74.3 | 81.9 | Tex.               |
| 157, 450                                         | 173, 881  | 324.5                    | 480.7 | 564.2    | 652.5    | 640.7    | 10.8                                                        | 21.3 | 24.0 | 28.6 | 31.6 | Mt.                |
| 44, 659                                          | 47, 512   | 516.7                    | 608.1 | 697.9    | 940.3    | 939.6    | 14.5                                                        | 37.5 | 35.0 | 47.8 | 50.8 | Mont.              |
| 9, 347                                           | 9, 952    | 171.5                    | 198.9 | 199.9    | 224.3    | 220.6    | 9.9                                                         | 15.7 | 15.2 | 17.5 | 18.7 | Idaho.             |
| 23, 525                                          | 28, 162   | 777.6                    | 749.9 | 1, 203.2 | 1, 469.3 | 1, 610.4 | 13.7                                                        | 18.9 | 29.9 | 37.7 | 45.1 | Wyo.               |
| 28, 876                                          | 29, 978   | 293.1                    | 408.1 | 416.5    | 481.6    | 471.0    | 20.4                                                        | 36.9 | 36.4 | 43.5 | 45.2 | Colo.              |
| 30, 822                                          | 34, 397   | 315.9                    | 817.9 | 878.9    | 981.5    | 831.5    | 14.4                                                        | 31.1 | 35.6 | 39.3 | 43.9 | N. Mex.            |
| 10, 527                                          | 14, 019   | 135.1                    | 581.7 | 1, 024.4 | 742.7    | 744.7    | 1.7                                                         | 8.0  | 15.2 | 14.5 | 10.2 | Ariz.              |
| 5, 013                                           | 6, 230    | 166.7                    | 196.8 | 192.4    | 206.7    | 203.3    | 6.5                                                         | 9.8  | 9.5  | 10.7 | 11.9 | Utah.              |
| 4, 081                                           | 3, 622    | 1, 009.6                 | 745.2 | 1, 053.5 | 1, 185.6 | 979.9    | 3.9                                                         | 3.4  | 5.8  | 5.8  | 5.2  | Nev.               |
| 60, 525                                          | 62, 478   | 270.3                    | 239.8 | 204.3    | 231.2    | 208.8    | 25.2                                                        | 27.6 | 26.7 | 29.7 | 30.7 | Pac.               |
| 13, 534                                          | 14, 680   | 208.4                    | 190.8 | 172.1    | 190.9    | 174.0    | 27.4                                                        | 31.0 | 29.5 | 31.6 | 34.3 | Wash.              |
| 16, 549                                          | 17, 358   | 256.8                    | 269.7 | 252.7    | 300.1    | 267.8    | 19.1                                                        | 22.1 | 23.1 | 27.0 | 28.4 | Oreg.              |
| 30, 442                                          | 30, 438   | 316.7                    | 249.6 | 201.7    | 224.4    | 202.4    | 28.0                                                        | 29.5 | 27.6 | 30.6 | 30.6 | Calif.             |

## No. 553.—CLASSIFICATION OF FARM

For total land in

[All figures in thou]

| Line number | Division and State    | Crop land harvested |         | Crop failure |        | Crop land idle or fallow |        | Flowable pasture |        | Woodland pasture |         | Other pasture |
|-------------|-----------------------|---------------------|---------|--------------|--------|--------------------------|--------|------------------|--------|------------------|---------|---------------|
|             |                       | 1929                | 1934    | 1929         | 1934   | 1929                     | 1934   | 1929             | 1934   | 1929             | 1934    |               |
| 1           | United States.....    | 369,242             | 295,624 | 12,707       | 63,682 | 41,287                   | 56,029 | 100,160          | 96,579 | 85,522           | 108,096 | 269,673       |
| 2           | New England.....      | 3,669               | 4,044   | 41           | 28     | 315                      | 231    | 985              | 737    | 3,147            | 3,620   | 2,156         |
| 3           | Maine.....            | 1,304               | 1,380   | 6            | 7      | 91                       | 59     | 259              | 180    | 879              | 958     | 490           |
| 4           | N. Hampshire.....     | 380                 | 446     | 4            | 2      | 38                       | 15     | 106              | 79     | 576              | 676     | 250           |
| 5           | Vermont.....          | 1,074               | 1,114   | 6            | 5      | 48                       | 14     | 274              | 222    | 1,018            | 1,183   | 900           |
| 6           | Massachusetts.....    | 474                 | 548     | 10           | 7      | 80                       | 68     | 162              | 133    | 345              | 390     | 247           |
| 7           | Rhode Island.....     | 55                  | 66      | 2            | 1      | 11                       | 11     | 35               | 25     | 38               | 36      | 27            |
| 8           | Connecticut.....      | 372                 | 484     | 12           | 6      | 47                       | 64     | 128              | 98     | 201              | 377     | 232           |
| 9           | Middle Atlantic.....  | 14,324              | 14,886  | 336          | 253    | 2,296                    | 2,015  | 4,353            | 3,786  | 3,334            | 3,370   | 4,628         |
| 10          | New York.....         | 6,959               | 7,388   | 169          | 116    | 1,026                    | 735    | 2,370            | 2,066  | 1,949            | 1,961   | 2,975         |
| 11          | New Jersey.....       | 777                 | 865     | 20           | 3      | 191                      | 187    | 198              | 175    | 47               | 52      | 95            |
| 12          | Pennsylvania.....     | 6,588               | 6,633   | 147          | 138    | 1,079                    | 1,093  | 1,779            | 1,645  | 1,338            | 1,356   | 1,459         |
| 13          | E. North Central..... | 56,844              | 56,178  | 1,595        | 3,087  | 5,193                    | 5,494  | 14,628           | 15,182 | 12,547           | 14,533  | 9,140         |
| 14          | Ohio.....             | 10,116              | 10,384  | 227          | 231    | 927                      | 916    | 3,763            | 3,914  | 1,854            | 2,050   | 2,421         |
| 15          | Indiana.....          | 10,214              | 10,103  | 343          | 394    | 1,161                    | 1,341  | 2,810            | 2,951  | 1,834            | 2,062   | 1,312         |
| 16          | Illinois.....         | 18,958              | 17,567  | 701          | 1,735  | 1,480                    | 1,848  | 4,092            | 4,034  | 2,010            | 2,250   | 1,505         |
| 17          | Michigan.....         | 7,738               | 8,353   | 197          | 251    | 1,159                    | 977    | 2,064            | 2,237  | 2,410            | 2,883   | 1,418         |
| 18          | Wisconsin.....        | 9,618               | 5,772   | 122          | 477    | 466                      | 413    | 1,900            | 2,046  | 4,440            | 5,248   | 2,483         |
| 19          | W. North Central..... | 138,716             | 90,919  | 4,058        | 40,230 | 7,511                    | 17,003 | 34,406           | 30,368 | 13,281           | 15,202  | 60,547        |
| 20          | Minnesota.....        | 18,445              | 17,161  | 255          | 2,475  | 790                      | 880    | 2,249            | 2,274  | 3,656            | 4,169   | 2,342         |
| 21          | Iowa.....             | 22,276              | 18,286  | 232          | 1,111  | 231                      | 1,178  | 4,982            | 5,770  | 1,960            | 2,060   | 2,558         |
| 22          | Missouri.....         | 13,176              | 11,702  | 806          | 1,302  | 1,605                    | 1,548  | 7,018            | 7,909  | 5,262            | 6,385   | 2,017         |
| 23          | N. Dakota.....        | 21,255              | 9,348   | 854          | 9,889  | 2,419                    | 5,166  | 3,183            | 2,733  | 400              | 429     | 7,176         |
| 24          | S. Dakota.....        | 17,856              | 4,864   | 588          | 9,782  | 503                      | 2,771  | 5,707            | 4,355  | 395              | 533     | 9,815         |
| 25          | Nebraska.....         | 21,399              | 12,165  | 300          | 8,235  | 684                      | 2,279  | 4,100            | 2,658  | 798              | 791     | 15,840        |
| 26          | Kansas.....           | 24,308              | 10,603  | 908          | 7,436  | 1,259                    | 3,781  | 7,107            | 4,070  | 781              | 835     | 10,709        |
| 27          | South Atlantic.....   | 27,520              | 27,988  | 568          | 482    | 5,979                    | 6,630  | 7,786            | 7,872  | 9,067            | 12,077  | 4,342         |
| 28          | Delaware.....         | 408                 | 389     | 9            | 6      | 58                       | 110    | 83               | 76     | 16               | 8       | 24            |
| 29          | Maryland.....         | 1,742               | 1,677   | 15           | 20     | 370                      | 385    | 539              | 551    | 205              | 186     | 214           |
| 30          | Dist. of Col.....     | 2                   | 1       | (0)          | (0)    | (0)                      | (0)    | (0)              | (0)    | (0)              | (0)     | (1)           |
| 31          | Virginia.....         | 3,975               | 3,842   | 80           | 65     | 1,003                    | 1,151  | 2,925            | 2,993  | 1,528            | 1,629   | 1,140         |
| 32          | West Virginia.....    | 1,055               | 1,710   | 25           | 20     | 227                      | 188    | 1,713            | 1,943  | 1,121            | 1,431   | 1,672         |
| 33          | N. Carolina.....      | 5,810               | 5,966   | 129          | 24     | 1,074                    | 1,248  | 888              | 946    | 1,424            | 1,574   | 533           |
| 34          | S. Carolina.....      | 4,137               | 4,178   | 97           | 87     | 803                      | 1,021  | 351              | 337    | 1,052            | 1,356   | 390           |
| 35          | Georgia.....          | 8,337               | 8,646   | 164          | 138    | 1,646                    | 2,038  | 980              | 959    | 2,850            | 4,423   | 791           |
| 36          | Florida.....          | 1,484               | 1,579   | 46           | 53     | 469                      | 489    | 301              | 348    | 841              | 1,470   | 170           |
| 37          | E. South Central..... | 25,148              | 25,792  | 600          | 385    | 4,499                    | 4,482  | 10,845           | 11,969 | 8,076            | 9,841   | 3,816         |
| 38          | Kentucky.....         | 5,331               | 5,413   | 150          | 104    | 1,446                    | 1,351  | 5,395            | 5,687  | 1,403            | 1,669   | 1,322         |
| 39          | Tennessee.....        | 6,106               | 6,330   | 145          | 97     | 1,414                    | 1,286  | 2,751            | 3,015  | 1,525            | 1,718   | 888           |
| 40          | Alabama.....          | 7,114               | 7,239   | 167          | 76     | 928                      | 1,041  | 1,204            | 1,363  | 2,291            | 2,968   | 611           |
| 41          | Mississippi.....      | 6,597               | 6,735   | 147          | 108    | 711                      | 803    | 1,495            | 1,903  | 2,854            | 3,480   | 906           |
| 42          | W. South Central..... | 58,838              | 48,187  | 2,864        | 9,890  | 5,046                    | 7,145  | 18,491           | 12,960 | 20,997           | 31,768  | 70,121        |
| 43          | Arkansas.....         | 6,582               | 6,438   | 232          | 368    | 1,093                    | 1,100  | 1,170            | 1,492  | 2,064            | 2,644   | 555           |
| 44          | Louisiana.....        | 4,068               | 3,977   | 130          | 149    | 543                      | 630    | 918              | 1,120  | 917              | 1,205   | 402           |
| 45          | Oklahoma.....         | 15,553              | 12,342  | 698          | 2,885  | 1,082                    | 1,824  | 3,248            | 2,562  | 3,597            | 4,271   | 7,824         |
| 46          | Texas.....            | 30,634              | 25,429  | 1,804        | 6,438  | 2,328                    | 3,591  | 11,156           | 7,787  | 14,449           | 23,649  | 61,337        |
| 47          | Mountain.....         | 23,279              | 14,654  | 2,083        | 5,486  | 5,309                    | 7,980  | 15,217           | 11,445 | 6,839            | 5,043   | 99,385        |
| 48          | Montana.....          | 7,841               | 4,592   | 789          | 2,567  | 2,760                    | 3,438  | 4,695            | 5,639  | 1,642            | 1,638   | 25,340        |
| 49          | Idaho.....            | 3,160               | 2,669   | 87           | 319    | 336                      | 944    | 379              | 353    | 736              | 840     | 3,270         |
| 50          | Wyoming.....          | 2,008               | 1,220   | 96           | 552    | 189                      | 368    | 2,322            | 1,301  | 468              | 544     | 18,047        |
| 51          | Colorado.....         | 6,750               | 3,852   | 858          | 3,389  | 840                      | 1,699  | 2,215            | 2,807  | 1,411            | 1,619   | 13,733        |
| 52          | New Mexico.....       | 1,494               | 744     | 98           | 1,223  | 207                      | 421    | 3,108            | 2,931  | 1,762            | 2,062   | 23,544        |
| 53          | Arizona.....          | 478                 | 489     | 35           | 50     | 135                      | 150    | 102              | 180    | 587              | 1,077   | 8,983         |
| 54          | Utah.....             | 1,180               | 815     | 48           | 358    | 288                      | 332    | 228              | 201    | 177              | 190     | 3,257         |
| 55          | Nevada.....           | 398                 | 272     | 52           | 27     | 45                       | 28     | 78               | 53     | 66               | 73      | 3,170         |
| 56          | Pacific.....          | 13,115              | 13,046  | 583          | 837    | 5,139                    | 5,148  | 4,470            | 4,264  | 8,055            | 9,643   | 26,067        |
| 57          | Washington.....       | 3,659               | 3,636   | 178          | 97     | 2,438                    | 2,438  | 573              | 573    | 1,488            | 1,849   | 4,175         |
| 58          | Oregon.....           | 2,906               | 2,832   | 111          | 280    | 1,155                    | 1,085  | 817              | 724    | 2,619            | 2,778   | 7,948         |
| 59          | California.....       | 6,550               | 6,579   | 293          | 460    | 1,546                    | 1,625  | 3,075            | 2,968  | 3,940            | 5,016   | 12,970        |

<sup>1</sup> Includes crop land harvested, crop failure, idle or fallow land, and plowable pasture.<sup>2</sup> Includes crop land harvested and crop failure.<sup>3</sup> Includes plowable pasture, woodland pasture, and other pasture.

## LAND ACCORDING TO USE: By STATES

farms, see table 552

sands of acres]

| Other<br>pas-<br>ture—<br>Cont. | Woodland<br>not pastured |                  | All other land<br>in farms |                  | Land available<br>for crops <sup>1</sup> |                  | Land used for<br>crops <sup>1</sup> |          | Total pas-<br>ture <sup>2</sup> |          | Total wood-<br>land <sup>4</sup> |                  | Line<br>number |
|---------------------------------|--------------------------|------------------|----------------------------|------------------|------------------------------------------|------------------|-------------------------------------|----------|---------------------------------|----------|----------------------------------|------------------|----------------|
|                                 | 1934                     | 1929             | 1934                       | 1929             | 1934                                     | 1929             | 1934                                | 1929     | 1934                            | 1929     | 1934                             |                  |                |
| 311, 226                        | 64, 624                  | 77, 379          | 44, 757                    | 43, 901          | 522, 396                                 | 518, 914         | 371, 949                            | 359, 306 | 464, 155                        | 517, 900 | 149, 946                         | 185, 475         | 1              |
| 2, 072                          | 3, 253                   | 3, 919           | 749                        | 812              | 4, 879                                   | 5, 041           | 3, 700                              | 4, 072   | 6, 287                          | 5, 429   | 6, 400                           | 7, 539           | 2              |
| 431                             | 1, 362                   | 1, 470           | 239                        | 231              | 1, 661                                   | 1, 632           | 1, 310                              | 1, 393   | 1, 638                          | 1, 570   | 2, 241                           | 2, 428           | 3              |
| 206                             | 496                      | 598              | 110                        | 94               | 529                                      | 541              | 384                                 | 448      | 933                             | 961      | 1, 072                           | 1, 274           | 4              |
| 916                             | 486                      | 488              | 90                         | 101              | 1, 402                                   | 1, 355           | 1, 080                              | 1, 119   | 2, 192                          | 2, 321   | 1, 504                           | 1, 671           | 5              |
| 217                             | 518                      | 638              | 170                        | 195              | 726                                      | 756              | 484                                 | 555      | 753                             | 740      | 863                              | 1, 028           | 6              |
| 33                              | 84                       | 112              | 27                         | 23               | 103                                      | 104              | 57                                  | 67       | 100                             | 94       | 122                              | 140              | 7              |
| 269                             | 308                      | 613              | 113                        | 168              | 558                                      | 653              | 384                                 | 400      | 651                             | 744      | 596                              | 990              | 8              |
| 5, 348                          | 3, 943                   | 4, 674           | 1, 933                     | 2, 119           | 21, 308                                  | 20, 945          | 14, 680                             | 15, 142  | 12, 218                         | 12, 504  | 7, 276                           | 8, 044           | 9              |
| 3, 492                          | 1, 685                   | 2, 061           | 840                        | 855              | 10, 530                                  | 10, 306          | 7, 123                              | 7, 505   | 7, 300                          | 7, 520   | 3, 634                           | 4, 022           | 10             |
| 115                             | 232                      | 303              | 109                        | 213              | 1, 185                                   | 1, 230           | 797                                 | 868      | 340                             | 343      | 279                              | 356              | 11             |
| 1, 740                          | 2, 026                   | 2, 309           | 894                        | 1, 041           | 9, 593                                   | 9, 409           | 6, 735                              | 6, 771   | 4, 576                          | 4, 642   | 3, 363                           | 3, 666           | 12             |
| 10, 384                         | 4, 528                   | 5, 141           | 8, 618                     | 6, 978           | 78, 080                                  | 79, 941          | 58, 339                             | 59, 265  | 38, 316                         | 40, 078  | 17, 075                          | 19, 674          | 13             |
| 2, 874                          | 920                      | 1, 109           | 1, 287                     | 1, 381           | 15, 032                                  | 15, 445          | 10, 342                             | 10, 615  | 8, 038                          | 8, 838   | 2, 774                           | 3, 159           | 14             |
| 1, 302                          | 786                      | 972              | 1, 224                     | 1, 364           | 14, 532                                  | 14, 789          | 10, 552                             | 10, 497  | 9, 950                          | 6, 345   | 2, 619                           | 3, 064           | 15             |
| 1, 902                          | 732                      | 864              | 1, 216                     | 1, 453           | 25, 232                                  | 25, 183          | 19, 659                             | 19, 301  | 7, 607                          | 8, 195   | 2, 742                           | 3, 123           | 16             |
| 1, 460                          | 825                      | 933              | 1, 308                     | 1, 361           | 11, 158                                  | 11, 817          | 7, 935                              | 8, 004   | 5, 892                          | 6, 586   | 3, 235                           | 3, 816           | 17             |
| 2, 821                          | 1, 265                   | 1, 263           | 1, 580                     | 1, 420           | 12, 106                                  | 12, 707          | 9, 741                              | 10, 248  | 8, 823                          | 10, 115  | 5, 705                           | 6, 512           | 18             |
| 62, 347                         | 4, 498                   | 4, 775           | 12, 481                    | 11, 639          | 184, 691                                 | 178, 115         | 142, 773                            | 131, 143 | 98, 214                         | 107, 912 | 17, 759                          | 19, 877          | 19             |
| 2, 495                          | 1, 090                   | 1, 214           | 2, 085                     | 2, 150           | 21, 740                                  | 22, 790          | 18, 700                             | 19, 636  | 8, 248                          | 8, 937   | 4, 746                           | 5, 383           | 20             |
| 3, 238                          | 244                      | 252              | 1, 528                     | 1, 825           | 27, 720                                  | 26, 984          | 22, 608                             | 20, 036  | 9, 509                          | 11, 068  | 2, 214                           | 2, 312           | 21             |
| 2, 243                          | 2, 438                   | 2, 518           | 1, 362                     | 1, 888           | 22, 664                                  | 22, 521          | 13, 981                             | 13, 064  | 14, 297                         | 16, 537  | 7, 700                           | 8, 903           | 22             |
| 9, 399                          | 158                      | 147              | 3, 213                     | 2, 008           | 27, 711                                  | 27, 136          | 22, 109                             | 19, 237  | 10, 759                         | 12, 509  | 558                              | 575              | 23             |
| 13, 558                         | 96                       | 103              | 1, 455                     | 1, 136           | 24, 710                                  | 21, 772          | 18, 439                             | 14, 646  | 15, 917                         | 18, 446  | 491                              | 636              | 24             |
| 18, 942                         | 143                      | 143              | 1, 424                     | 1, 378           | 26, 504                                  | 25, 362          | 21, 759                             | 20, 430  | 20, 798                         | 22, 385  | 941                              | 934              | 25             |
| 12, 473                         | 338                      | 398              | 1, 425                     | 1, 754           | 33, 642                                  | 32, 550          | 25, 276                             | 24, 099  | 18, 687                         | 17, 978  | 1, 110                           | 1, 233           | 26             |
| 5, 593                          | 24, 668                  | 30, 735          | 5, 834                     | 4, 611           | 41, 852                                  | 42, 972          | 28, 087                             | 28, 470  | 21, 794                         | 25, 542  | 33, 735                          | 42, 812          | 27             |
| 22                              | 188                      | 226              | 86                         | 84               | 587                                      | 580              | 416                                 | 394      | 123                             | 107      | 204                              | 235              | 28             |
| 214                             | 1, 008                   | 1, 078           | 279                        | 273              | 2, 068                                   | 2, 633           | 1, 760                              | 1, 097   | 959                             | 950      | 1, 213                           | 1, 264           | 29             |
| ( <sup>3</sup> )                | ( <sup>3</sup> )         | ( <sup>3</sup> ) | ( <sup>3</sup> )           | ( <sup>3</sup> ) | ( <sup>3</sup> )                         | ( <sup>3</sup> ) | 2                                   | 2        | 1                               | 1        | ( <sup>3</sup> )                 | ( <sup>3</sup> ) | 30             |
| 1, 203                          | 5, 167                   | 6, 042           | 910                        | 722              | 7, 984                                   | 8, 050           | 4, 056                              | 3, 906   | 5, 593                          | 5, 824   | 6, 695                           | 7, 670           | 31             |
| 1, 879                          | 2, 008                   | 2, 139           | 376                        | 403              | 3, 625                                   | 3, 571           | 1, 681                              | 1, 740   | 4, 511                          | 4, 953   | 3, 129                           | 3, 570           | 32             |
| 494                             | 6, 903                   | 8, 520           | 1, 295                     | 1, 104           | 7, 900                                   | 8, 244           | 5, 938                              | 6, 050   | 2, 845                          | 3, 015   | 8, 326                           | 10, 095          | 33             |
| 408                             | 2, 851                   | 4, 335           | 712                        | 588              | 5, 388                                   | 5, 043           | 4, 234                              | 4, 265   | 1, 793                          | 2, 121   | 3, 903                           | 5, 691           | 34             |
| 823                             | 5, 493                   | 7, 252           | 1, 488                     | 1, 013           | 11, 427                                  | 11, 781          | 8, 501                              | 8, 784   | 4, 652                          | 6, 210   | 8, 373                           | 11, 675          | 35             |
| 544                             | 1, 051                   | 1, 141           | 688                        | 424              | 2, 271                                   | 2, 469           | 1, 500                              | 1, 632   | 1, 319                          | 2, 363   | 1, 892                           | 2, 611           | 36             |
| 3, 934                          | 14, 844                  | 17, 597          | 4, 990                     | 5, 172           | 41, 091                                  | 42, 558          | 25, 748                             | 26, 107  | 22, 737                         | 25, 744  | 22, 920                          | 27, 437          | 37             |
| 1, 959                          | 3, 894                   | 3, 752           | 1, 487                     | 1, 508           | 12, 322                                  | 12, 560          | 5, 481                              | 5, 522   | 8, 120                          | 8, 510   | 4, 797                           | 5, 421           | 38             |
| 1, 911                          | 3, 885                   | 4, 480           | 1, 285                     | 1, 240           | 10, 417                                  | 10, 728          | 6, 252                              | 6, 427   | 5, 168                          | 5, 644   | 5, 413                           | 6, 206           | 39             |
| 711                             | 4, 195                   | 5, 279           | 1, 055                     | 984              | 9, 403                                   | 9, 720           | 7, 271                              | 7, 315   | 4, 105                          | 5, 042   | 6, 486                           | 8, 247           | 40             |
| 1, 159                          | 3, 371                   | 4, 077           | 1, 163                     | 1, 385           | 8, 950                                   | 9, 550           | 6, 744                              | 6, 843   | 5, 344                          | 6, 548   | 6, 224                           | 7, 563           | 41             |
| 77, 599                         | 8, 854                   | 8, 170           | 4, 696                     | 5, 389           | 81, 238                                  | 78, 188          | 58, 701                             | 58, 077  | 107, 608                        | 122, 327 | 27, 851                          | 39, 937          | 42             |
| 766                             | 3, 879                   | 3, 884           | 974                        | 1, 060           | 9, 077                                   | 9, 398           | 6, 814                              | 6, 806   | 3, 792                          | 4, 892   | 5, 443                           | 6, 527           | 43             |
| 472                             | 1, 742                   | 2, 223           | 638                        | 609              | 5, 656                                   | 5, 876           | 4, 198                              | 4, 126   | 2, 235                          | 2, 796   | 2, 659                           | 3, 427           | 44             |
| 9, 310                          | 493                      | 576              | 1, 326                     | 1, 565           | 20, 582                                  | 10, 613          | 16, 251                             | 15, 227  | 14, 640                         | 16, 143  | 4, 059                           | 4, 847           | 45             |
| 67, 061                         | 1, 240                   | 1, 487           | 1, 758                     | 2, 105           | 45, 923                                  | 43, 296          | 32, 438                             | 33, 918  | 86, 942                         | 98, 496  | 15, 689                          | 25, 136          | 46             |
| 118, 906                        | 591                      | 602              | 4, 817                     | 4, 466           | 45, 868                                  | 41, 864          | 25, 342                             | 23, 139  | 121, 392                        | 138, 393 | 7, 430                           | 8, 645           | 47             |
| 30, 543                         | 178                      | 136              | 1, 406                     | 959              | 16, 093                                  | 14, 237          | 8, 630                              | 7, 160   | 31, 676                         | 35, 819  | 1, 820                           | 1, 774           | 48             |
| 3, 871                          | 123                      | 111              | 758                        | 844              | 4, 453                                   | 4, 442           | 3, 237                              | 2, 988   | 4, 392                          | 5, 064   | 860                              | 951              | 49             |
| 23, 746                         | 48                       | 52               | 348                        | 378              | 4, 614                                   | 3, 442           | 2, 104                              | 1, 772   | 20, 837                         | 25, 592  | 516                              | 596              | 50             |
| 15, 601                         | 131                      | 140              | 958                        | 971              | 12, 663                                  | 11, 648          | 7, 608                              | 7, 242   | 19, 338                         | 20, 027  | 1, 541                           | 1, 759           | 51             |
| 26, 445                         | 66                       | 69               | 463                        | 501              | 4, 998                                   | 5, 319           | 1, 592                              | 1, 966   | 28, 494                         | 31, 439  | 1, 818                           | 2, 132           | 52             |
| 11, 842                         | 20                       | 47               | 176                        | 203              | 751                                      | 849              | 514                                 | 539      | 9, 682                          | 13, 079  | 617                              | 1, 124           | 53             |
| 3, 901                          | 14                       | 30               | 442                        | 412              | 1, 724                                   | 1, 706           | 1, 207                              | 1, 173   | 3, 662                          | 4, 293   | 191                              | 220              | 54             |
| 2, 955                          | 10                       | 16               | 286                        | 198              | 572                                      | 380              | 450                                 | 299      | 3, 311                          | 3, 081   | 66                               | 89               | 55             |
| 25, 064                         | 1, 446                   | 1, 768           | 2, 631                     | 2, 705           | 23, 308                                  | 23, 296          | 13, 698                             | 13, 883  | 37, 611                         | 38, 971  | 9, 499                           | 11, 411          | 56             |
| 5, 011                          | 386                      | 506              | 631                        | 671              | 6, 853                                   | 6, 744           | 3, 837                              | 3, 793   | 6, 241                          | 7, 433   | 1, 874                           | 2, 354           | 57             |
| 8, 537                          | 503                      | 572              | 465                        | 560              | 4, 989                                   | 4, 921           | 3, 018                              | 3, 112   | 11, 379                         | 12, 039  | 3, 122                           | 3, 350           | 58             |
| 11, 516                         | 557                      | 690              | 1, 505                     | 1, 584           | 11, 465                                  | 11, 631          | 6, 843                              | 7, 035   | 19, 991                         | 19, 500  | 4, 503                           | 5, 707           | 59             |

<sup>4</sup> Includes woodland pasture and woodland not pastured.<sup>5</sup> Less than 500 acres.

Source: Bureau of the Census, Department of Commerce.

## No. 554.—VALUE OF FARM PROPERTY: ALL

NOTE.—The schedule for 1935 did not call for the value of land and buildings separately or for the value previous issues of

[All amounts in

| Division and State      | Value of all farm property |            |            | Value of land and buildings |            |            |            | Value of land |
|-------------------------|----------------------------|------------|------------|-----------------------------|------------|------------|------------|---------------|
|                         | 1920                       | 1925       | 1930       | 1920                        | 1925       | 1930       | 1935       |               |
| United States.....      | 77,923,652                 | 87,017,740 | 87,245,544 | 66,816,008                  | 49,487,647 | 47,879,638 | 32,858,844 | 54,829,568    |
| New England.....        | 1,173,020                  | 1,091,645  | 1,156,353  | 917,469                     | 905,627    | 940,713    | 901,271    | 488,125       |
| Maine.....              | 270,527                    | 245,869    | 248,696    | 204,109                     | 197,270    | 194,280    | 143,539    | 114,412       |
| New Hampshire.....      | 118,656                    | 107,084    | 90,001     | 80,990                      | 86,633     | 77,355     | 66,937     | 47,425        |
| Vermont.....            | 222,737                    | 189,912    | 202,839    | 159,117                     | 137,271    | 145,935    | 115,996    | 82,938        |
| Massachusetts.....      | 300,472                    | 293,405    | 303,837    | 247,683                     | 254,603    | 261,232    | 255,077    | 127,654       |
| Rhode Island.....       | 33,637                     | 33,446     | 41,111     | 26,388                      | 27,920     | 34,508     | 35,238     | 14,602        |
| Connecticut.....        | 226,992                    | 230,829    | 260,269    | 190,271                     | 201,631    | 227,413    | 283,884    | 101,187       |
| Middle Atlantic.....    | 3,948,684                  | 3,478,718  | 3,602,634  | 3,002,138                   | 2,799,834  | 2,817,767  | 2,141,412  | 1,891,879     |
| New York.....           | 1,908,483                  | 1,706,980  | 1,711,762  | 1,425,062                   | 1,367,125  | 1,315,905  | 1,045,392  | 793,339       |
| New Jersey.....         | 311,848                    | 311,084    | 355,388    | 250,324                     | 232,537    | 238,845    | 234,318    | 142,182       |
| Pennsylvania.....       | 1,726,353                  | 1,460,702  | 1,535,484  | 1,326,752                   | 1,170,172  | 1,203,018  | 891,707    | 726,158       |
| East North Central..... | 17,245,363                 | 12,582,988 | 11,116,009 | 14,937,642                  | 11,023,659 | 9,336,791  | 6,596,844  | 12,043,074    |
| Ohio.....               | 3,065,666                  | 2,236,902  | 2,012,937  | 2,061,436                   | 1,945,631  | 1,603,031  | 1,277,569  | 2,015,113     |
| Indiana.....            | 3,042,311                  | 1,931,742  | 1,677,993  | 2,653,644                   | 1,695,741  | 1,415,542  | 1,040,238  | 2,202,668     |
| Illinois.....           | 6,666,767                  | 4,627,955  | 3,786,661  | 5,097,994                   | 4,199,450  | 3,336,049  | 2,205,900  | 5,250,205     |
| Michigan.....           | 1,703,335                  | 1,523,977  | 1,428,817  | 1,436,686                   | 1,284,062  | 1,100,652  | 826,201    | 959,187       |
| Wisconsin.....          | 2,677,283                  | 2,272,402  | 2,209,001  | 2,187,882                   | 1,898,766  | 1,731,517  | 1,246,889  | 1,618,913     |
| West North Central..... | 27,991,035                 | 18,799,178 | 18,146,431 | 24,469,495                  | 16,530,891 | 15,158,530 | 9,385,141  | 21,340,145    |
| Minnesota.....          | 3,787,420                  | 2,761,694  | 2,608,124  | 3,301,168                   | 2,393,742  | 2,125,093  | 1,383,072  | 2,756,328     |
| Iowa.....               | 8,524,471                  | 5,602,078  | 4,992,485  | 7,601,722                   | 4,954,449  | 4,224,506  | 2,462,313  | 6,679,021     |
| Missouri.....           | 3,591,098                  | 2,286,639  | 2,149,420  | 3,062,968                   | 2,003,286  | 1,706,247  | 1,099,281  | 2,694,193     |
| North Dakota.....       | 1,759,743                  | 1,191,037  | 1,186,059  | 1,488,521                   | 1,020,103  | 951,225    | 707,139    | 1,279,314     |
| South Dakota.....       | 2,823,870                  | 1,658,021  | 1,579,241  | 2,472,894                   | 1,437,238  | 1,285,154  | 691,893    | 2,231,432     |
| Nebraska.....           | 4,201,656                  | 2,874,478  | 2,934,898  | 3,712,108                   | 2,524,074  | 2,495,203  | 1,562,813  | 3,336,222     |
| Kansas.....             | 3,302,806                  | 2,504,340  | 2,695,595  | 2,830,064                   | 2,197,952  | 2,281,102  | 1,478,559  | 2,476,635     |
| South Atlantic.....     | 6,132,918                  | 4,659,177  | 4,471,400  | 5,201,773                   | 4,088,944  | 3,852,079  | 2,791,839  | 4,006,682     |
| Delaware.....           | 80,138                     | 72,798     | 83,272     | 64,756                      | 59,670     | 66,942     | 51,476     | 42,116        |
| Maryland.....           | 403,638                    | 397,093    | 425,248    | 386,597                     | 341,361    | 356,170    | 242,714    | 259,904       |
| Dist. of Columbia.....  | 5,928                      | 5,003      | 7,346      | 5,577                       | 4,795      | 7,144      | 7,183      | 4,155         |
| Virginia.....           | 1,196,556                  | 909,466    | 992,825    | 1,024,435                   | 880,814    | 855,850    | 593,855    | 756,364       |
| West Virginia.....      | 496,440                    | 411,159    | 411,787    | 410,783                     | 356,154    | 341,976    | 237,044    | 307,310       |
| North Carolina.....     | 1,250,167                  | 1,050,016  | 995,351    | 1,076,393                   | 920,020    | 844,122    | 622,719    | 857,816       |
| South Carolina.....     | 963,065                    | 523,094    | 439,680    | 813,484                     | 457,622    | 370,191    | 285,516    | 647,167       |
| Georgia.....            | 1,356,685                  | 686,673    | 653,435    | 1,138,209                   | 587,556    | 577,338    | 429,755    | 807,446       |
| Florida.....            | 330,302                    | 513,894    | 462,456    | 281,449                     | 478,942    | 423,346    | 321,078    | 228,425       |
| East South Central..... | 4,419,417                  | 2,893,526  | 3,227,571  | 3,663,693                   | 2,480,630  | 2,685,364  | 1,915,218  | 2,918,141     |
| Kentucky.....           | 1,511,901                  | 974,569    | 1,029,613  | 1,305,159                   | 847,426    | 871,449    | 620,409    | 1,050,733     |
| Tennessee.....          | 1,251,916                  | 883,640    | 893,843    | 1,024,980                   | 759,426    | 743,222    | 555,751    | 807,782       |
| Alabama.....            | 690,849                    | 500,740    | 611,301    | 543,658                     | 414,859    | 502,371    | 368,220    | 415,764       |
| Mississippi.....        | 964,752                    | 560,571    | 692,814    | 789,897                     | 459,118    | 568,322    | 370,839    | 641,842       |
| West South Central..... | 7,922,066                  | 5,698,760  | 6,863,760  | 6,291,168                   | 4,966,433  | 5,808,151  | 4,039,702  | 5,408,060     |
| Arkansas.....           | 924,395                    | 628,846    | 649,877    | 753,111                     | 540,727    | 547,828    | 376,088    | 607,773       |
| Louisiana.....          | 689,827                    | 385,911    | 501,826    | 474,039                     | 324,678    | 418,192    | 295,515    | 333,018       |
| Oklahoma.....           | 1,600,424                  | 1,200,135  | 1,477,741  | 1,363,865                   | 1,048,757  | 1,242,724  | 784,394    | 1,171,459     |
| Texas.....              | 4,447,420                  | 3,471,897  | 4,234,316  | 3,700,173                   | 3,045,271  | 3,597,407  | 2,573,705  | 3,245,209     |
| Mountain.....           | 4,083,133                  | 2,758,212  | 3,262,155  | 3,163,188                   | 2,172,982  | 2,458,482  | 1,772,439  | 2,601,712     |
| Montana.....            | 985,961                    | 574,897    | 703,364    | 776,768                     | 455,395    | 527,610    | 375,841    | 691,912       |
| Idaho.....              | 710,139                    | 461,885    | 528,914    | 581,512                     | 373,326    | 417,250    | 307,395    | 511,866       |
| Wyoming.....            | 334,411                    | 240,396    | 306,587    | 234,748                     | 172,676    | 206,852    | 160,774    | 210,947       |
| Colorado.....           | 1,079,795                  | 712,285    | 795,387    | 866,014                     | 592,455    | 620,347    | 418,758    | 733,723       |
| New Mexico.....         | 325,156                    | 236,301    | 293,138    | 221,814                     | 174,917    | 207,859    | 170,150    | 196,341       |
| Arizona.....            | 253,993                    | 194,049    | 243,468    | 172,325                     | 144,014    | 184,231    | 132,660    | 156,593       |
| Utah.....               | 311,275                    | 250,313    | 289,118    | 243,752                     | 192,201    | 221,223    | 168,303    | 210,998       |
| Nevada.....             | 99,780                     | 98,086     | 97,189     | 66,255                      | 67,697     | 64,111     | 42,569     | 59,382        |
| Pacific.....            | 5,307,011                  | 4,962,634  | 5,399,231  | 4,669,417                   | 4,495,447  | 4,823,961  | 3,324,878  | 4,166,943     |
| Washington.....         | 1,057,480                  | 823,438    | 887,834    | 920,392                     | 726,890    | 773,663    | 550,720    | 797,651       |
| Oregon.....             | 818,560                    | 714,410    | 756,897    | 675,213                     | 616,089    | 630,828    | 448,712    | 566,242       |
| California.....         | 3,431,022                  | 3,424,786  | 3,755,500  | 3,073,811                   | 3,152,468  | 3,419,471  | 2,325,446  | 2,783,065     |

<sup>1</sup> Figures for 1925 include the value of livestock not reported, estimated at \$29,162,000; figures for 1930 exclude the value of poultry other than chickens over 3 months old; figures for 1935 exclude the value of asses and burros, poultry other than chickens and turkeys over 3 months old, and bees.

Source: Bureau of the Census, Department of Commerce.

## PROPERTY AND SPECIFIED CLASSES, BY STATES

of implements and machinery. The value of buildings is shown for 1920, 1925, and 1930 in the 1935 and this publication

(thousands of dollars)

| Value of land—Con. |            | Value of farm operators' dwellings, 1930 | Value of implements and machinery |           |           | Value of livestock 1 |           |           |           | Division and State |
|--------------------|------------|------------------------------------------|-----------------------------------|-----------|-----------|----------------------|-----------|-----------|-----------|--------------------|
| 1925               | 1930       |                                          | 1920                              | 1925      | 1930      | 1920                 | 1925      | 1930      | 1935      |                    |
| 37,721,018         | 34,929,845 | 7,083,536                                | 3,594,773                         | 2,691,704 | 3,301,654 | 8,012,876            | 4,868,359 | 6,064,051 | 3,418,510 | U. S.              |
| 413,932            | 440,972    | 277,132                                  | 92,388                            | 82,354    | 91,881    | 183,163              | 103,584   | 123,759   | 50,106    | N. E.              |
| 97,524             | 95,021     | 56,541                                   | 26,638                            | 24,491    | 28,383    | 39,780               | 24,108    | 26,034    | 15,976    | Me.                |
| 37,220             | 32,179     | 25,902                                   | 9,499                             | 8,988     | 8,912     | 19,161               | 11,463    | 13,334    | 8,121     | N. H.              |
| 63,856             | 63,619     | 42,999                                   | 21,234                            | 18,130    | 20,767    | 42,385               | 25,511    | 36,136    | 21,002    | Vt.                |
| 110,437            | 118,200    | 78,070                                   | 19,360                            | 17,044    | 18,730    | 33,524               | 21,758    | 23,884    | 17,361    | Mass.              |
| 13,543             | 10,614     | 9,849                                    | 2,409                             | 2,064     | 2,718     | 4,840                | 3,462     | 3,886     | 2,469     | R. I.              |
| 91,837             | 114,739    | 93,765                                   | 13,248                            | 11,616    | 12,371    | 23,473               | 17,282    | 20,485    | 15,177    | Conn.              |
| 1,532,457          | 1,282,272  | 800,028                                  | 359,152                           | 335,490   | 355,438   | 588,394              | 345,393   | 429,427   | 272,602   | M. A.              |
| 646,980            | 600,085    | 390,894                                  | 169,867                           | 166,385   | 173,600   | 313,555              | 170,419   | 222,251   | 135,101   | N. Y.              |
| 130,331            | 152,491    | 81,667                                   | 25,459                            | 23,452    | 27,076    | 36,065               | 25,095    | 29,466    | 23,778    | N. J.              |
| 655,146            | 620,696    | 351,497                                  | 183,826                           | 140,652   | 154,756   | 238,775              | 149,878   | 177,710   | 112,723   | Pa.                |
| 7,909,004          | 8,169,559  | 1,601,716                                | 786,077                           | 667,871   | 626,208   | 1,521,644            | 1,001,469 | 1,153,010 | 685,635   | E. N. C.           |
| 1,290,024          | 1,032,210  | 355,008                                  | 146,575                           | 97,893    | 108,176   | 287,655              | 193,378   | 210,730   | 137,944   | Ohio.              |
| 1,208,777          | 958,634    | 246,657                                  | 127,403                           | 79,740    | 86,778    | 261,264              | 166,262   | 175,672   | 113,518   | Ind.               |
| 3,420,455          | 2,555,100  | 380,688                                  | 222,620                           | 147,104   | 160,413   | 446,154              | 281,402   | 260,199   | 182,491   | Ill.               |
| 764,871            | 638,023    | 270,241                                  | 122,390                           | 96,253    | 105,652   | 204,259              | 143,662   | 162,604   | 97,469    | Mich.              |
| 1,209,878          | 985,685    | 343,122                                  | 167,089                           | 146,883   | 170,279   | 322,312              | 226,754   | 307,506   | 153,798   | Wis.               |
| 13,308,048         | 11,643,370 | 1,734,992                                | 1,162,938                         | 816,333   | 1,091,603 | 3,358,091            | 1,531,964 | 1,896,299 | 872,211   | W. N. C.           |
| 1,706,600          | 1,453,960  | 315,743                                  | 181,088                           | 137,966   | 181,767   | 305,194              | 229,977   | 301,263   | 146,448   | Minn.              |
| 3,009,814          | 3,186,980  | 475,398                                  | 306,172                           | 227,282   | 270,616   | 613,526              | 420,349   | 497,463   | 287,083   | Iowa.              |
| 1,592,725          | 1,305,949  | 281,328                                  | 138,261                           | 75,955    | 94,522    | 389,839              | 207,398   | 258,661   | 120,055   | Mo.                |
| 813,722            | 720,077    | 109,063                                  | 114,187                           | 76,631    | 118,744   | 157,035              | 94,303    | 116,600   | 54,518    | N. D.              |
| 1,201,015          | 1,033,288  | 110,063                                  | 112,408                           | 75,411    | 107,344   | 238,558              | 146,222   | 186,744   | 63,137    | S. D.              |
| 2,128,792          | 2,048,664  | 222,599                                  | 153,104                           | 111,799   | 150,925   | 336,444              | 238,065   | 288,770   | 125,772   | Nebr.              |
| 1,833,379          | 1,894,452  | 211,085                                  | 154,717                           | 111,288   | 167,785   | 318,025              | 195,100   | 246,708   | 116,198   | Kans.              |
| 2,980,771          | 2,578,136  | 828,804                                  | 283,981                           | 195,639   | 202,847   | 647,163              | 384,594   | 416,375   | 321,225   | S. A.              |
| 34,435             | 35,230     | 17,370                                   | 0,781                             | 5,906     | 7,285     | 8,601                | 7,217     | 9,045     | 5,112     | Del.               |
| 207,274            | 198,454    | 88,617                                   | 28,970                            | 22,885    | 26,682    | 48,071               | 32,846    | 43,395    | 25,444    | Md.                |
| 3,564              | 6,140      | 437                                      | 104                               | 108       | 93        | 246                  | 100       | 109       | 60        | D. C.              |
| 600,676            | 533,908    | 200,894                                  | 50,151                            | 40,021    | 44,319    | 121,969              | 72,631    | 92,656    | 57,186    | Va.                |
| 251,793            | 222,764    | 77,776                                   | 18,395                            | 15,687    | 15,268    | 67,261               | 39,319    | 54,644    | 29,584    | W. Va.             |
| 686,425            | 573,758    | 182,528                                  | 54,621                            | 46,437    | 42,212    | 119,153              | 77,554    | 79,018    | 74,441    | N. C.              |
| 347,087            | 260,135    | 81,933                                   | 48,062                            | 23,105    | 21,425    | 91,518               | 42,357    | 39,065    | 39,252    | S. C.              |
| 433,649            | 394,892    | 123,456                                  | 63,343                            | 26,986    | 31,217    | 155,043              | 72,133    | 74,880    | 70,316    | Ga.                |
| 416,889            | 352,855    | 47,568                                   | 13,552                            | 14,504    | 15,446    | 35,301               | 20,459    | 23,693    | 19,824    | Fla.               |
| 1,827,823          | 1,875,271  | 534,557                                  | 176,065                           | 123,550   | 157,459   | 579,669              | 294,147   | 384,748   | 277,197   | E. S. C.           |
| 616,214            | 594,982    | 163,768                                  | 48,355                            | 30,629    | 36,547    | 158,387              | 85,513    | 121,618   | 80,037    | Ky.                |
| 555,943            | 515,651    | 147,879                                  | 53,463                            | 40,746    | 45,758    | 173,473              | 83,473    | 104,862   | 74,773    | Tenn.              |
| 308,664            | 354,039    | 104,969                                  | 34,369                            | 23,851    | 33,645    | 112,826              | 62,031    | 75,885    | 62,070    | Ala.               |
| 347,002            | 410,599    | 117,951                                  | 39,881                            | 28,323    | 41,609    | 134,974              | 63,129    | 82,893    | 60,317    | Miss.              |
| 4,176,964          | 4,815,690  | 644,404                                  | 311,099                           | 252,890   | 336,835   | 1,019,779            | 484,480   | 721,275   | 428,015   | W. S. C.           |
| 420,735            | 407,620    | 94,842                                   | 43,432                            | 31,255    | 33,116    | 127,853              | 56,865    | 68,933    | 50,240    | Ark.               |
| 251,738            | 213,558    | 72,097                                   | 32,715                            | 21,333    | 28,174    | 83,073               | 39,900    | 55,460    | 43,931    | La.                |
| 876,335            | 1,031,251  | 126,467                                  | 80,631                            | 58,379    | 92,858    | 215,928              | 102,998   | 142,160   | 85,870    | Okla.              |
| 2,625,157          | 3,062,870  | 351,008                                  | 164,321                           | 141,899   | 182,187   | 592,926              | 284,698   | 454,722   | 240,473   | Tex.               |
| 1,838,980          | 2,038,198  | 238,756                                  | 190,718                           | 126,287   | 210,844   | 729,234              | 455,977   | 592,728   | 283,737   | Mont.              |
| 360,514            | 442,941    | 43,226                                   | 55,004                            | 33,653    | 62,070    | 154,190              | 88,869    | 118,684   | 60,025    | Idaho.             |
| 300,769            | 340,256    | 46,544                                   | 38,417                            | 26,526    | 39,749    | 96,209               | 52,033    | 71,915    | 38,912    | Wyo.               |
| 148,108            | 174,464    | 15,866                                   | 11,778                            | 9,172     | 17,618    | 87,855               | 58,548    | 82,117    | 38,127    | Colo.              |
| 493,974            | 510,955    | 64,389                                   | 49,805                            | 33,473    | 50,241    | 160,977              | 86,357    | 115,799   | 55,211    | N. M.              |
| 152,033            | 180,721    | 16,516                                   | 9,745                             | 8,712     | 12,997    | 93,626               | 52,671    | 72,282    | 31,672    | Ariz.              |
| 126,788            | 160,854    | 14,336                                   | 8,821                             | 6,028     | 10,414    | 52,447               | 43,107    | 48,518    | 21,173    | Utah.              |
| 159,703            | 174,341    | 32,290                                   | 13,515                            | 10,697    | 13,636    | 54,008               | 48,019    | 54,258    | 24,969    | Nev.               |
| 59,031             | 53,666     | 5,589                                    | 3,631                             | 3,715     | 4,219     | 29,894               | 26,374    | 28,860    | 13,698    |                    |
| 3,878,038          | 4,086,475  | 423,147                                  | 232,368                           | 190,365   | 228,839   | 405,297              | 276,822   | 346,430   | 199,733   | Pac.               |
| 584,386            | 608,373    | 93,476                                   | 54,721                            | 41,235    | 50,512    | 82,316               | 55,313    | 63,659    | 42,837    | Wash.              |
| 506,141            | 501,947    | 72,028                                   | 41,567                            | 35,043    | 42,566    | 101,779              | 62,699    | 82,483    | 47,805    | Oreg.              |
| 2,788,511          | 2,976,155  | 257,043                                  | 136,069                           | 113,488   | 135,741   | 221,141              | 158,810   | 200,288   | 109,091   | Calif.             |



## No. 555.—NUMBER OF FARMS: BY SIZE AND BY STATES

| Division and State             | Total number of farms | Under 20 acres | 20 to 49 acres | 50 to 99 acres | 100 to 174 acres | 175 to 299 acres | 300 to 499 acres | 500 to 999 acres | 1,000 acres and over |
|--------------------------------|-----------------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------|----------------------|
| <b>United States:</b>          |                       |                |                |                |                  |                  |                  |                  |                      |
| 1900.....                      | 5,737,372             | 673,870        | 1,267,496      | 1,366,038      | 1,422,262        | 490,069          | 377,951          | 102,526          | 47,160               |
| 1910.....                      | 6,361,502             | 839,166        | 1,414,376      | 1,453,069      | 1,516,286        | 534,131          | 443,984          | 125,295          | 50,135               |
| 1920.....                      | 6,448,543             | 796,536        | 1,503,732      | 1,474,745      | 1,449,630        | 530,800          | 475,677          | 149,819          | 67,405               |
| 1925.....                      | 6,371,640             | 995,584        | 1,450,043      | 1,421,078      | 1,389,777        | 503,417          | 433,961          | 143,852          | 63,323               |
| 1930.....                      | 6,288,548             | 1,138,121      | 1,440,333      | 1,374,965      | 1,342,927        | 520,593          | 451,338          | 169,096          | 80,620               |
| 1935.....                      | 6,612,560             | 1,284,283      | 1,440,143      | 1,444,007      | 1,404,297        | 540,267          | 473,239          | 167,452          | 88,662               |
| <b>New England.....</b>        |                       |                |                |                |                  |                  |                  |                  |                      |
| .....                          | 158,241               | 36,325         | 28,336         | 34,487         | 32,075           | 14,068           | 8,874            | 1,864            | 424                  |
| Maine.....                     | 41,907                | 4,445          | 6,221          | 12,123         | 11,732           | 4,487            | 2,316            | 444              | 91                   |
| New Hampshire.....             | 17,695                | 2,009          | 3,070          | 4,179          | 3,030            | 1,870            | 1,278            | 354              | 90                   |
| Vermont.....                   | 27,061                | 3,725          | 2,693          | 4,441          | 4,079            | 4,602            | 2,890            | 616              | 91                   |
| Massachusetts.....             | 35,094                | 13,442         | 8,023          | 6,453          | 6,617            | 1,616            | 802              | 218              | 71                   |
| Rhode Island.....              | 4,327                 | 1,459          | 774            | 639            | 617              | 185              | 98               | 37               | 18                   |
| Connecticut.....               | 32,157                | 11,947         | 7,355          | 6,352          | 4,134            | 1,397            | 730              | 185              | 57                   |
| <b>Middle Atlantic.....</b>    |                       |                |                |                |                  |                  |                  |                  |                      |
| .....                          | 397,684               | 76,710         | 65,588         | 106,103        | 100,066          | 32,884           | 14,256           | 1,722            | 357                  |
| New York.....                  | 177,025               | 26,906         | 24,930         | 43,400         | 48,390           | 10,598           | 9,630            | 1,075            | 189                  |
| New Jersey.....                | 20,376                | 10,424         | 6,171          | 5,642          | 4,962            | 1,206            | 493              | 88               | 59                   |
| Pennsylvania.....              | 191,284               | 36,380         | 34,485         | 50,752         | 46,714           | 12,020           | 4,233            | 559              | 111                  |
| <b>East North Central.....</b> |                       |                |                |                |                  |                  |                  |                  |                      |
| .....                          | 1,083,687             | 134,063        | 166,398        | 299,851        | 309,713          | 112,953          | 54,290           | 5,735            | 764                  |
| Ohio.....                      | 255,146               | 45,055         | 42,092         | 75,470         | 65,492           | 15,716           | 7,345            | 868              | 103                  |
| Indiana.....                   | 200,935               | 25,640         | 33,202         | 55,569         | 64,248           | 10,010           | 9,095            | 1,049            | 122                  |
| Illinois.....                  | 231,312               | 25,237         | 25,612         | 44,511         | 72,426           | 38,562           | 22,567           | 2,185            | 212                  |
| Michigan.....                  | 104,617               | 21,751         | 40,691         | 63,900         | 50,105           | 13,765           | 5,421            | 703              | 181                  |
| Wisconsin.....                 | 109,877               | 13,480         | 24,801         | 60,401         | 67,442           | 22,900           | 9,792            | 930              | 131                  |
| <b>West North Central.....</b> |                       |                |                |                |                  |                  |                  |                  |                      |
| .....                          | 1,179,856             | 90,341         | 98,484         | 172,693        | 343,586          | 173,858          | 204,947          | 66,644           | 23,303               |
| Minnesota.....                 | 203,302               | 12,655         | 10,306         | 36,343         | 69,440           | 34,336           | 20,958           | 3,455            | 309                  |
| Iowa.....                      | 221,986               | 18,812         | 13,813         | 34,285         | 84,917           | 42,342           | 25,619           | 2,047            | 161                  |
| Missouri.....                  | 275,454               | 30,822         | 40,293         | 64,629         | 75,787           | 34,273           | 22,153           | 3,872            | 625                  |
| North Dakota.....              | 84,606                | 1,935          | 1,418          | 1,855          | 13,499           | 5,025            | 35,133           | 19,891           | 5,250                |
| South Dakota.....              | 83,303                | 2,430          | 1,788          | 3,140          | 19,819           | 9,784            | 28,678           | 11,894           | 5,555                |
| Nebraska.....                  | 133,616               | 8,848          | 4,806          | 10,767         | 41,722           | 22,543           | 28,616           | 10,490           | 6,324                |
| Kansas.....                    | 174,589               | 16,039         | 11,060         | 21,174         | 44,402           | 24,956           | 37,790           | 16,026           | 5,064                |
| <b>South Atlantic.....</b>     |                       |                |                |                |                  |                  |                  |                  |                      |
| .....                          | 1,147,138             | 254,246        | 393,805        | 278,337        | 174,731          | 62,312           | 38,437           | 11,352           | 3,863                |
| Delaware.....                  | 10,381                | 1,793          | 2,174          | 2,903          | 2,282            | 824              | 363              | 52               | 10                   |
| Maryland.....                  | 44,412                | 9,634          | 8,072          | 9,629          | 10,087           | 4,291            | 2,326            | 398              | 75                   |
| Dist. of Columbia.....         | 89                    | 60             | 21             | 2              | 2                | 2                | 1                | 1                | 1                    |
| Virginia.....                  | 107,632               | 52,585         | 44,988         | 43,045         | 31,695           | 13,166           | 8,847            | 2,615            | 601                  |
| West Virginia.....             | 104,747               | 23,045         | 22,639         | 27,560         | 18,994           | 6,995            | 4,183            | 1,121            | 310                  |
| North Carolina.....            | 300,967               | 72,830         | 94,438         | 75,637         | 39,292           | 11,377           | 5,836            | 1,441            | 416                  |
| South Carolina.....            | 165,504               | 41,547         | 53,245         | 37,134         | 20,164           | 6,690            | 4,668            | 1,549            | 607                  |
| Georgia.....                   | 250,544               | 25,989         | 75,341         | 71,143         | 45,623           | 15,789           | 10,742           | 3,587            | 1,330                |
| Florida.....                   | 72,857                | 27,163         | 22,987         | 11,284         | 6,612            | 2,178            | 1,621            | 583              | 424                  |
| <b>East South Central.....</b> |                       |                |                |                |                  |                  |                  |                  |                      |
| .....                          | 1,137,219             | 307,139        | 356,535        | 242,224        | 143,407          | 46,537           | 28,144           | 7,676            | 2,560                |
| Kentucky.....                  | 278,298               | 73,631         | 62,791         | 70,440         | 47,189           | 14,733           | 7,658            | 1,525            | 333                  |
| Tennessee.....                 | 273,783               | 69,807         | 77,626         | 66,450         | 38,969           | 12,359           | 6,305            | 1,458            | 309                  |
| Alabama.....                   | 273,455               | 54,891         | 106,638        | 60,552         | 31,945           | 9,874            | 6,471            | 2,067            | 914                  |
| Mississippi.....               | 311,683               | 108,807        | 109,480        | 44,682         | 28,301           | 9,571            | 7,212            | 2,626            | 1,004                |
| <b>West South Central.....</b> |                       |                |                |                |                  |                  |                  |                  |                      |
| .....                          | 1,137,571             | 198,578        | 296,349        | 240,996        | 280,981          | 71,600           | 67,579           | 25,741           | 17,747               |
| Arkansas.....                  | 253,013               | 61,767         | 86,805         | 53,174         | 33,893           | 9,564            | 5,767            | 1,529            | 514                  |
| Louisiana.....                 | 170,216               | 55,706         | 70,718         | 23,621         | 11,459           | 3,698            | 2,945            | 1,252            | 817                  |
| Oklahoma.....                  | 213,325               | 17,026         | 34,785         | 49,078         | 66,809           | 16,743           | 21,162           | 5,647            | 2,075                |
| Texas.....                     | 501,017               | 62,079         | 104,041        | 115,123        | 108,820          | 41,595           | 37,705           | 17,313           | 14,341               |
| <b>Mountain.....</b>           |                       |                |                |                |                  |                  |                  |                  |                      |
| .....                          | 271,892               | 47,455         | 32,917         | 31,812         | 40,693           | 14,410           | 40,709           | 35,412           | 28,494               |
| Montana.....                   | 50,564                | 2,561          | 2,147          | 2,920          | 6,599            | 2,570            | 11,354           | 11,628           | 10,785               |
| Idaho.....                     | 45,113                | 5,823          | 8,353          | 9,703          | 8,908            | 3,289            | 4,898            | 2,751            | 1,288                |
| Wyoming.....                   | 17,487                | 707            | 658            | 1,278          | 2,508            | 967              | 2,966            | 3,850            | 4,655                |
| Colorado.....                  | 63,644                | 8,498          | 5,106          | 6,348          | 11,250           | 3,928            | 13,748           | 9,290            | 5,476                |
| New Mexico.....                | 41,369                | 13,197         | 5,166          | 2,983          | 4,851            | 1,284            | 4,595            | 5,412            | 3,901                |
| Arizona.....                   | 18,824                | 7,645          | 3,561          | 2,085          | 2,231            | 504              | 877              | 927              | 994                  |
| Utah.....                      | 30,665                | 8,568          | 7,286          | 5,501          | 3,769            | 1,614            | 1,871            | 1,198            | 888                  |
| Nevada.....                    | 3,696                 | 456            | 640            | 514            | 579              | 254              | 400              | 356              | 497                  |
| <b>Pacific.....</b>            |                       |                |                |                |                  |                  |                  |                  |                      |
| .....                          | 299,567               | 109,429        | 71,733         | 38,004         | 30,045           | 11,647           | 16,223           | 11,318           | 11,170               |
| Washington.....                | 94,331                | 31,655         | 20,181         | 10,599         | 8,308            | 2,927            | 4,446            | 3,390            | 2,869                |
| Oregon.....                    | 64,826                | 17,206         | 13,292         | 10,284         | 9,636            | 3,698            | 4,657            | 3,007            | 3,043                |
| California.....                | 150,360               | 60,568         | 38,260         | 17,121         | 12,101           | 5,022            | 7,120            | 4,913            | 5,255                |

Source: Bureau of the Census, Department of Commerce.

## No. 556.—NUMBER AND ACREAGE OF FARMS: By COLOR AND TENURE OF OPERATOR

NOTE.—"White" includes Mexicans and Hindus. "Colored" includes Negroes, Indians, Chinese, Japanese, and other nonwhite races. Leaders indicate that data are not available

| Color and tenure of operator           | 1900        | 1910        | 1920        | 1925        | 1930        | 1935        |
|----------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Number of farms                        |             |             |             |             |             |             |
| All farm operators.....                | 5, 737, 372 | 6, 391, 502 | 6, 448, 343 | 5, 371, 640 | 5, 288, 648 | 6, 812, 350 |
| Owners.....                            | 3, 653, 323 | 3, 943, 722 | 3, 925, 090 | 3, 868, 332 | 3, 508, 394 | 3, 899, 091 |
| Full owners.....                       | 3, 201, 947 | 3, 354, 897 | 3, 366, 510 | 3, 313, 490 | 2, 911, 644 | 3, 210, 224 |
| Part owners.....                       | 451, 376    | 589, 825    | 558, 580    | 554, 842    | 596, 750    | 688, 867    |
| Managers.....                          | 59, 085     | 58, 104     | 68, 449     | 40, 700     | 55, 889     | 48, 104     |
| Tenants.....                           | 2, 024, 964 | 2, 354, 676 | 2, 454, 804 | 2, 462, 608 | 2, 664, 365 | 2, 865, 155 |
| Cash.....                              | 712, 294    | 712, 294    | 480, 009    | 393, 452    | 480, 210    | -----       |
| Other.....                             | -----       | 1, 642, 382 | 1, 974, 795 | 2, 069, 156 | 2, 175, 155 | -----       |
| White operators.....                   | 4, 969, 808 | 5, 440, 619 | 5, 498, 454 | 5, 540, 185 | 5, 372, 578 | 5, 956, 795 |
| Owners.....                            | 3, 446, 806 | 3, 707, 601 | 3, 691, 868 | 3, 678, 792 | 3, 365, 674 | 3, 713, 026 |
| Full owners.....                       | 3, 025, 931 | 3, 159, 088 | 3, 174, 109 | 3, 153, 839 | 2, 762, 787 | 3, 060, 111 |
| Part owners.....                       | 420, 875    | 548, 413    | 517, 759    | 519, 953    | 612, 887    | 652, 915    |
| Managers.....                          | 57, 261     | 56, 560     | 86, 223     | 50, 038     | 52, 797     | 47, 723     |
| Tenants.....                           | 1, 466, 541 | 1, 670, 558 | 1, 740, 363 | 1, 826, 360 | 1, 954, 137 | 2, 235, 854 |
| Cash.....                              | -----       | 447, 851    | 373, 836    | 314, 692    | 387, 884    | -----       |
| Other.....                             | -----       | 1, 228, 707 | 1, 366, 528 | 1, 511, 668 | 1, 566, 303 | -----       |
| Colored operators.....                 | 767, 784    | 920, 583    | 949, 889    | 831, 455    | 916, 070    | 855, 555    |
| Owners.....                            | 206, 517    | 241, 221    | 233, 222    | 194, 540    | 202, 720    | 186, 065    |
| Full owners.....                       | 176, 016    | 196, 809    | 192, 401    | 159, 651    | 168, 867    | 150, 113    |
| Part owners.....                       | 30, 501     | 45, 412     | 40, 821     | 34, 889     | 43, 863     | 35, 952     |
| Managers.....                          | 1, 824      | 1, 544      | 2, 226      | 607         | 3, 122      | 381         |
| Tenants.....                           | 559, 428    | 678, 118    | 714, 441    | 636, 248    | 710, 228    | 629, 301    |
| Cash.....                              | -----       | 264, 443    | 106, 174    | 78, 780     | 101, 376    | -----       |
| Other.....                             | -----       | 413, 675    | 608, 267    | 557, 468    | 608, 852    | -----       |
| PERCENT DISTRIBUTION                   |             |             |             |             |             |             |
| All farm operators.....                | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       |
| Owners.....                            | 63.7        | 62.1        | 60.9        | 60.7        | 60.7        | 57.2        |
| Full owners.....                       | 55.8        | 52.7        | 52.2        | 52.0        | 48.3        | 47.1        |
| Part owners.....                       | 7.9         | 9.3         | 8.7         | 8.7         | 10.4        | 10.1        |
| Managers.....                          | 1.0         | .9          | 1.1         | .6          | .9          | .7          |
| Tenants.....                           | 35.3        | 37.0        | 38.1        | 38.6        | 42.4        | 42.1        |
| White operators.....                   | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       |
| Owners.....                            | 69.4        | 68.1        | 67.1        | 66.3        | 62.6        | 61.9        |
| Full owners.....                       | 60.9        | 58.1        | 57.7        | 56.9        | 51.2        | 51.0        |
| Part owners.....                       | 8.5         | 10.1        | 9.4         | 9.4         | 11.4        | 10.9        |
| Managers.....                          | 1.2         | 1.0         | 1.2         | .7          | 1.0         | .8          |
| Tenants.....                           | 29.5        | 30.8        | 31.7        | 33.0        | 30.4        | 37.3        |
| Colored operators.....                 | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       |
| Owners.....                            | 26.9        | 26.2        | 24.6        | 23.4        | 22.1        | 22.8        |
| Full owners.....                       | 22.9        | 21.3        | 20.3        | 19.2        | 17.3        | 18.4        |
| Part owners.....                       | 4.0         | 4.9         | 4.3         | 4.2         | 4.8         | 4.4         |
| Managers.....                          | .2          | .2          | .2          | .1          | .3          | (4)         |
| Tenants.....                           | 72.9        | 73.6        | 75.2        | 76.5        | 77.5        | 77.1        |
| All land in farms (thousands of acres) |             |             |             |             |             |             |
| All farm operators.....                | 838, 592    | 873, 798    | 955, 884    | 924, 319    | 986, 771    | 1, 054, 516 |
| Owners.....                            | 551, 040    | 598, 555    | 636, 775    | 616, 336    | 618, 376    | 657, 049    |
| Full owners.....                       | 481, 261    | 464, 923    | 461, 250    | 419, 446    | 372, 450    | 390, 978    |
| Part owners.....                       | 124, 779    | 133, 631    | 175, 525    | 196, 890    | 245, 926    | 266, 071    |
| Managers.....                          | 87, 518     | 53, 731     | 54, 129     | 43, 097     | 61, 986     | 60, 664     |
| Tenants.....                           | 196, 034    | 226, 513    | 264, 080    | 264, 886    | 306, 400    | 336, 802    |
| PERCENT DISTRIBUTION                   |             |             |             |             |             |             |
| All farm operators.....                | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       | 100.0       |
| Owners.....                            | 66.3        | 68.1        | 66.8        | 66.7        | 62.7        | 62.3        |
| Full owners.....                       | 51.4        | 52.9        | 48.3        | 45.4        | 37.7        | 37.1        |
| Part owners.....                       | 14.9        | 15.2        | 18.4        | 21.3        | 24.9        | 25.2        |
| Managers.....                          | 10.4        | 6.1         | 5.7         | 4.7         | 6.3         | 5.8         |
| Tenants.....                           | 23.3        | 26.8        | 27.7        | 28.7        | 31.1        | 31.9        |
| White operators.....                   | 796, 828    | 832, 166    | 910, 939    | -----       | 945, 683    | 1, 015, 710 |
| Colored operators.....                 | 41, 766     | 46, 632     | 44, 945     | -----       | 41, 088     | 38, 806     |

<sup>1</sup> Standing renters (renters paying a fixed quantity of products) included with "Cash tenants" in 1910; with "Cash tenants" for the Northern and Western States, and with "Other tenants" for the Southern States in 1920; and with "Other tenants" for all States in 1925 and 1930.

<sup>2</sup> Includes the few colored farmers in the North and West (39,808 for 1935); data for these sections were not tabulated by color and tenure.

<sup>3</sup> The South only (see note 2 above).

<sup>4</sup> Less than one-half of 1 percent.

Source: Bureau of the Census, Department of Commerce.

## No. 557.—NUMBER OF FARMS: BY TENURE OF OPERATOR, BY STATES

NOTE.—For total number of farms (all tenures combined) see table 552

| Division and State          | Owners     |           |             |           |             |         | Managers |        | Tenants   |           |
|-----------------------------|------------|-----------|-------------|-----------|-------------|---------|----------|--------|-----------|-----------|
|                             | All owners |           | Full owners |           | Part owners |         |          |        |           |           |
|                             | 1930       | 1935      | 1930        | 1935      | 1930        | 1935    | 1930     | 1935   | 1930      | 1935      |
| United States.....          | 3,568,394  | 3,899,091 | 2,911,644   | 3,210,224 | 656,760     | 688,887 | 55,889   | 48,104 | 2,664,365 | 2,865,155 |
| New England.....            | 114,104    | 143,686   | 107,900     | 132,887   | 6,804       | 10,779  | 2,938    | 2,965  | 7,865     | 12,210    |
| Maine.....                  | 30,748     | 38,712    | 35,468      | 35,822    | 1,280       | 2,889   | 503      | 312    | 1,755     | 2,883     |
| New Hampshire.....          | 18,765     | 10,200    | 12,666      | 14,435    | 1,786       | 1,765   | 355      | 211    | 1,284     | 1,284     |
| Vermont.....                | 22,009     | 23,077    | 20,002      | 21,501    | 1,347       | 2,176   | 480      | 441    | 2,409     | 2,443     |
| Massachusetts.....          | 23,188     | 32,116    | 21,410      | 30,188    | 1,788       | 1,958   | 958      | 814    | 1,442     | 2,164     |
| Rhode Island.....           | 2,908      | 3,635     | 2,828       | 3,239     | 285         | 396     | 99       | 95     | 415       | 507       |
| Connecticut.....            | 15,686     | 20,326    | 14,271      | 27,781    | 1,315       | 1,585   | 541      | 402    | 1,068     | 2,339     |
| Middle Atlantic.....        | 299,096    | 328,118   | 278,193     | 301,745   | 20,602      | 26,373  | 6,068    | 6,295  | 62,455    | 64,271    |
| New York.....               | 136,041    | 140,349   | 124,206     | 133,746   | 11,835      | 15,003  | 2,652    | 2,674  | 21,113    | 25,102    |
| New Jersey.....             | 20,771     | 23,582    | 19,594      | 22,007    | 1,207       | 1,575   | 669      | 551    | 3,948     | 5,242     |
| Pennsylvania.....           | 142,283    | 165,187   | 134,423     | 145,992   | 7,890       | 9,195   | 2,743    | 2,170  | 27,804    | 33,927    |
| East North Central.....     | 698,892    | 757,994   | 670,680     | 618,503   | 123,232     | 141,491 | 8,638    | 6,939  | 263,977   | 318,754   |
| Ohio.....                   | 159,840    | 180,005   | 138,632     | 153,310   | 23,517      | 26,695  | 1,843    | 1,371  | 67,604    | 73,770    |
| Indiana.....                | 125,517    | 135,982   | 97,553      | 106,047   | 27,094      | 20,835  | 1,478    | 1,344  | 54,675    | 63,560    |
| Illinois.....               | 119,892    | 126,560   | 85,069      | 88,862    | 34,823      | 30,698  | 2,123    | 1,890  | 92,482    | 102,856   |
| Michigan.....               | 141,647    | 168,131   | 118,628     | 132,768   | 22,719      | 25,345  | 1,530    | 1,052  | 26,195    | 37,334    |
| Wisconsin.....              | 146,987    | 167,310   | 132,778     | 137,498   | 14,209      | 10,818  | 1,650    | 1,276  | 38,121    | 41,285    |
| West North Central.....     | 691,116    | 670,926   | 457,770     | 470,826   | 203,346     | 200,100 | 7,471    | 6,166  | 444,189   | 602,784   |
| Minnesota.....              | 120,570    | 134,012   | 97,878      | 101,307   | 28,692      | 32,705  | 1,047    | 878    | 57,633    | 68,412    |
| Iowa.....                   | 111,333    | 110,262   | 85,272      | 86,961    | 26,061      | 23,301  | 1,980    | 1,563  | 101,615   | 110,161   |
| Missouri.....               | 105,818    | 160,152   | 127,989     | 132,129   | 37,329      | 37,023  | 1,546    | 1,279  | 89,076    | 108,023   |
| North Dakota.....           | 50,105     | 51,140    | 23,807      | 25,705    | 26,298      | 25,354  | 470      | 335    | 27,400    | 33,122    |
| South Dakota.....           | 45,609     | 42,452    | 22,372      | 21,422    | 23,237      | 21,027  | 454      | 374    | 37,094    | 40,477    |
| Nebraska.....               | 67,418     | 67,013    | 43,801      | 42,861    | 24,117      | 24,152  | 1,020    | 795    | 61,020    | 65,808    |
| Kansas.....                 | 94,762     | 96,896    | 57,151      | 60,358    | 37,611      | 36,538  | 954      | 922    | 70,326    | 76,771    |
| South Atlantic.....         | 538,930    | 608,082   | 467,100     | 527,412   | 72,830      | 80,670  | 8,964    | 8,109  | 509,574   | 530,942   |
| Delaware.....               | 6,260      | 6,615     | 5,816       | 6,164     | 444         | 451     | 155      | 106    | 2,282     | 3,010     |
| Maryland.....               | 30,823     | 31,475    | 28,333      | 29,398    | 2,490       | 2,077   | 939      | 847    | 11,441    | 12,090    |
| Dist. of Colum-<br>bia..... | 59         | 51        | 53          | 50        | 6           | 1       | 21       | 17     | 24        | 21        |
| Virginia.....               | 121,104    | 138,139   | 104,956     | 121,490   | 16,148      | 16,649  | 1,536    | 1,107  | 47,670    | 58,386    |
| West Virginia.....          | 66,573     | 77,133    | 60,681      | 68,981    | 5,992       | 8,152   | 721      | 593    | 15,247    | 27,021    |
| North Carolina.....         | 141,445    | 158,111   | 115,765     | 128,304   | 25,680      | 29,717  | 648      | 698    | 137,616   | 142,158   |
| South Carolina.....         | 54,470     | 61,942    | 45,616      | 51,327    | 8,955       | 10,615  | 693      | 636    | 102,768   | 102,923   |
| Georgia.....                | 79,802     | 85,197    | 70,596      | 75,857    | 9,206       | 9,340   | 1,406    | 1,016  | 174,390   | 184,331   |
| Florida.....                | 39,394     | 49,419    | 35,485      | 45,751    | 3,909       | 3,668   | 2,835    | 3,039  | 16,737    | 20,399    |
| East South Central.....     | 485,348    | 511,273   | 397,594     | 440,243   | 67,754      | 71,030  | 2,888    | 2,813  | 593,978   | 623,833   |
| Kentucky.....               | 157,403    | 174,661   | 135,215     | 148,985   | 22,188      | 25,676  | 675      | 422    | 88,421    | 103,215   |
| Tennessee.....              | 181,526    | 146,696   | 109,553     | 125,040   | 21,673      | 21,656  | 611      | 480    | 113,520   | 126,907   |
| Alabama.....                | 90,372     | 96,692    | 75,144      | 81,624    | 15,238      | 15,068  | 603      | 516    | 166,420   | 176,247   |
| Mississippi.....            | 86,047     | 93,224    | 77,382      | 84,594    | 8,665       | 8,680   | 999      | 895    | 225,617   | 217,564   |
| West South Central.....     | 410,397    | 455,311   | 325,989     | 372,291   | 84,408      | 83,020  | 5,506    | 5,360  | 687,231   | 676,900   |
| Arkansas.....               | 89,009     | 100,662   | 72,597      | 85,895    | 16,412      | 14,767  | 634      | 582    | 152,691   | 151,760   |
| Louisiana.....              | 53,159     | 61,320    | 46,893      | 54,891    | 6,266       | 6,429   | 735      | 519    | 107,551   | 108,377   |
| Oklahoma.....               | 77,714     | 81,889    | 53,647      | 58,796    | 24,067      | 23,093  | 823      | 775    | 129,329   | 130,961   |
| Texas.....                  | 190,515    | 211,440   | 152,852     | 172,709   | 37,663      | 38,731  | 3,314    | 3,474  | 301,680   | 286,103   |
| Mountain.....               | 178,898    | 196,339   | 130,287     | 147,657   | 48,611      | 48,682  | 3,590    | 2,968  | 58,826    | 72,085    |
| Montana.....                | 35,353     | 36,247    | 20,101      | 21,509    | 15,252      | 14,738  | 514      | 332    | 11,628    | 12,955    |
| Idaho.....                  | 30,512     | 31,358    | 24,194      | 26,016    | 6,318       | 5,842   | 603      | 394    | 10,559    | 12,861    |
| Wyoming.....                | 12,195     | 13,034    | 7,896       | 8,202     | 4,299       | 4,832   | 296      | 370    | 3,520     | 4,083     |
| Colorado.....               | 28,426     | 38,323    | 26,929      | 27,718    | 11,497      | 10,605  | 838      | 481    | 20,692    | 24,840    |
| New Mexico.....             | 24,740     | 33,118    | 19,930      | 27,377    | 4,810       | 5,741   | 334      | 394    | 6,330     | 7,857     |
| Arizona.....                | 11,294     | 14,922    | 9,727       | 13,102    | 1,567       | 1,820   | 548      | 558    | 2,331     | 3,344     |
| Utah.....                   | 23,608     | 25,889    | 19,046      | 21,087    | 4,562       | 4,802   | 230      | 224    | 3,321     | 4,552     |
| Nevada.....                 | 2,770      | 2,948     | 2,464       | 2,646     | 306         | 302     | 227      | 215    | 446       | 533       |
| Pacific.....                | 205,615    | 227,382   | 178,751     | 200,680   | 28,864      | 26,732  | 9,848    | 8,589  | 46,270    | 63,696    |
| Washington.....             | 57,588     | 66,489    | 49,702      | 58,504    | 7,886       | 7,925   | 1,238    | 1,057  | 12,078    | 15,836    |
| Oregon.....                 | 44,521     | 50,046    | 36,674      | 42,653    | 7,847       | 7,393   | 842      | 716    | 9,790     | 14,055    |
| California.....             | 103,506    | 110,847   | 90,375      | 99,443    | 13,131      | 11,404  | 7,768    | 6,817  | 24,402    | 32,696    |

Source: Bureau of the Census, Department of Commerce.

## No. 558.—FARM ACREAGE: ALL LAND IN FARMS BY TENURE OF OPERATOR, BY STATES

NOTE.—For total farm acreage (all tenures combined) see table 552

[In thousands of acres]

| Division and State      | All land in farms operated by— |          |             |          |             |          |          |         |          |          |
|-------------------------|--------------------------------|----------|-------------|----------|-------------|----------|----------|---------|----------|----------|
|                         | Owners                         |          |             |          |             |          | Managers |         | Tenants  |          |
|                         | All owners                     |          | Full owners |          | Part owners |          |          |         |          |          |
|                         | 1930                           | 1935     | 1930        | 1935     | 1930        | 1935     | 1930     | 1935    | 1930     | 1935     |
| United States           | 618, 378                       | 657, 048 | 372, 450    | 390, 978 | 245, 926    | 266, 071 | 61, 986  | 60, 684 | 306, 409 | 336, 802 |
| New England.....        | 12, 692                        | 13, 639  | 11, 989     | 12, 153  | 1, 023      | 1, 485   | 761      | 648     | 940      | 1, 179   |
| Maine.....              | 4, 388                         | 4, 392   | 4, 130      | 3, 998   | 208         | 394      | 129      | 71      | 173      | 259      |
| New Hampshire.....      | 1, 739                         | 1, 873   | 1, 578      | 1, 580   | 158         | 294      | 123      | 93      | 102      | 149      |
| Vermont.....            | 8, 326                         | 8, 462   | 8, 027      | 8, 037   | 299         | 426      | 152      | 124     | 419      | 458      |
| Massachusetts.....      | 1, 090                         | 1, 007   | 1, 518      | 1, 740   | 173         | 167      | 215      | 166     | 100      | 123      |
| Rhode Island.....       | 221                            | 231      | 197         | 200      | 24          | 32       | 17       | 29      | 41       | 48       |
| Connecticut.....        | 1, 283                         | 1, 773   | 1, 120      | 1, 599   | 163         | 174      | 114      | 163     | 105      | 144      |
| Middle Atlantic.....    | 27, 768                        | 28, 717  | 24, 905     | 25, 255  | 2, 883      | 3, 462   | 1, 277   | 1, 278  | 6, 002   | 6, 462   |
| New York.....           | 14, 577                        | 15, 144  | 12, 774     | 12, 375  | 1, 803      | 2, 269   | 622      | 646     | 2, 781   | 2, 895   |
| New Jersey.....         | 1, 236                         | 1, 307   | 1, 136      | 1, 177   | 100         | 131      | 144      | 160     | 379      | 447      |
| Pennsylvania.....       | 11, 955                        | 12, 266  | 10, 995     | 11, 203  | 960         | 1, 062   | 511      | 470     | 2, 843   | 3, 120   |
| East North Central..... | 73, 355                        | 75, 517  | 58, 933     | 55, 052  | 18, 421     | 20, 465  | 2, 096   | 1, 906  | 38, 440  | 39, 535  |
| Ohio.....               | 14, 410                        | 14, 991  | 11, 370     | 11, 842  | 3, 040      | 3, 349   | 396      | 362     | 6, 707   | 7, 505   |
| Indiana.....            | 12, 280                        | 12, 783  | 8, 381      | 8, 687   | 3, 905      | 4, 096   | 380      | 355     | 7, 042   | 7, 380   |
| Illinois.....           | 15, 227                        | 15, 632  | 9, 387      | 8, 962   | 6, 040      | 6, 071   | 512      | 470     | 14, 967  | 15, 558  |
| Michigan.....           | 13, 005                        | 14, 381  | 10, 198     | 11, 025  | 3, 207      | 3, 356   | 462      | 369     | 3, 052   | 3, 710   |
| Wisconsin.....          | 16, 827                        | 17, 729  | 14, 597     | 14, 736  | 2, 230      | 2, 993   | 366      | 349     | 4, 682   | 5, 381   |
| West North Central..... | 150, 645                       | 161, 035 | 78, 495     | 77, 596  | 82, 150     | 88, 528  | 4, 974   | 5, 323  | 99, 889  | 106, 719 |
| Minnesota.....          | 19, 507                        | 20, 220  | 13, 121     | 12, 953  | 6, 445      | 7, 267   | 307      | 298     | 11, 030  | 12, 300  |
| Iowa.....               | 16, 444                        | 16, 148  | 11, 131     | 11, 333  | 5, 312      | 4, 814   | 476      | 411     | 17, 100  | 17, 800  |
| Missouri.....           | 22, 217                        | 21, 717  | 15, 851     | 15, 444  | 6, 366      | 6, 272   | 513      | 500     | 11, 012  | 12, 398  |
| North Dakota.....       | 20, 410                        | 20, 105  | 8, 041      | 8, 600   | 17, 775     | 17, 439  | 387      | 314     | 11, 856  | 12, 699  |
| South Dakota.....       | 22, 474                        | 22, 108  | 6, 513      | 5, 824   | 15, 960     | 16, 284  | 962      | 1, 109  | 13, 035  | 13, 885  |
| Nebraska.....           | 25, 726                        | 26, 311  | 11, 726     | 11, 210  | 14, 000     | 15, 101  | 1, 454   | 1, 947  | 17, 529  | 18, 357  |
| Kansas.....             | 27, 802                        | 28, 426  | 11, 513     | 12, 076  | 10, 290     | 10, 360  | 876      | 744     | 18, 298  | 18, 841  |
| South Atlantic.....     | 51, 651                        | 55, 674  | 45, 008     | 48, 200  | 6, 643      | 7, 474   | 3, 761   | 3, 680  | 30, 981  | 36, 624  |
| Delaware.....           | 480                            | 481      | 442         | 438      | 38          | 43       | 29       | 32      | 391      | 408      |
| Maryland.....           | 2, 040                         | 2, 397   | 2, 394      | 2, 490   | 247         | 198      | 228      | 230     | 1, 506   | 1, 466   |
| Dis. of Columbia.....   | 1                              | 1        | 1           | 1        | (1)         | (1)      | 2        | 2       | 1        | (1)      |
| Virginia.....           | 12, 250                        | 12, 690  | 10, 080     | 11, 199  | 1, 570      | 1, 500   | 656      | 543     | 3, 823   | 4, 403   |
| West Virginia.....      | 7, 145                         | 7, 312   | 6, 321      | 6, 435   | 824         | 877      | 287      | 230     | 1, 400   | 1, 881   |
| North Carolina.....     | 11, 072                        | 12, 041  | 9, 409      | 10, 007  | 1, 664      | 2, 034   | 255      | 353     | 6, 728   | 7, 543   |
| South Carolina.....     | 5, 228                         | 5, 396   | 4, 475      | 4, 933   | 763         | 933      | 437      | 568     | 4, 728   | 5, 896   |
| Georgia.....            | 9, 855                         | 10, 939  | 8, 670      | 9, 602   | 1, 185      | 1, 337   | 932      | 793     | 11, 292  | 13, 565  |
| Florida.....            | 2, 980                         | 3, 648   | 2, 618      | 3, 095   | 362         | 553      | 954      | 938     | 1, 092   | 1, 462   |
| East South Central..... | 45, 289                        | 48, 383  | 39, 256     | 42, 037  | 6, 033      | 6, 386   | 1, 288   | 1, 378  | 26, 241  | 29, 359  |
| Kentucky.....           | 14, 681                        | 14, 912  | 12, 718     | 12, 956  | 1, 893      | 1, 956   | 199      | 178     | 5, 121   | 5, 609   |
| Tennessee.....          | 11, 729                        | 12, 108  | 9, 578      | 10, 424  | 1, 851      | 1, 744   | 206      | 193     | 6, 068   | 6, 725   |
| Alabama.....            | 9, 404                         | 10, 185  | 7, 946      | 8, 628   | 1, 467      | 1, 553   | 832      | 345     | 7, 819   | 8, 130   |
| Mississippi.....        | 9, 545                         | 11, 098  | 8, 713      | 10, 020  | 832         | 1, 068   | 553      | 663     | 7, 234   | 7, 895   |
| West South Central..... | 93, 180                        | 106, 012 | 60, 940     | 68, 875  | 32, 220     | 37, 134  | 22, 524  | 20, 153 | 68, 222  | 74, 953  |
| Arkansas.....           | 8, 990                         | 9, 808   | 7, 273      | 8, 219   | 1, 717      | 1, 589   | 292      | 420     | 6, 771   | 7, 514   |
| Louisiana.....          | 4, 761                         | 5, 413   | 4, 108      | 4, 074   | 653         | 739      | 876      | 754     | 3, 718   | 4, 277   |
| Oklahoma.....           | 16, 472                        | 17, 200  | 7, 867      | 8, 558   | 8, 605      | 8, 702   | 986      | 1, 159  | 16, 333  | 16, 906  |
| Texas.....              | 62, 938                        | 73, 581  | 41, 692     | 47, 427  | 21, 245     | 26, 104  | 20, 370  | 17, 800 | 41, 400  | 46, 257  |
| Mountain.....           | 114, 233                       | 126, 987 | 38, 234     | 40, 120  | 76, 009     | 85, 867  | 18, 057  | 19, 872 | 25, 180  | 28, 027  |
| Montana.....            | 34, 145                        | 36, 712  | 9, 650      | 9, 391   | 24, 495     | 27, 322  | 3, 015   | 2, 773  | 7, 500   | 8, 022   |
| Idaho.....              | 7, 080                         | 7, 452   | 4, 017      | 4, 156   | 3, 034      | 3, 293   | 458      | 467     | 1, 859   | 2, 043   |
| Wyoming.....            | 18, 034                        | 21, 080  | 4, 740      | 4, 366   | 14, 188     | 16, 733  | 2, 085   | 4, 539  | 2, 505   | 2, 535   |
| Colorado.....           | 19, 540                        | 20, 224  | 7, 619      | 8, 318   | 12, 021     | 11, 905  | 2, 197   | 1, 271  | 7, 109   | 8, 484   |
| New Mexico.....         | 21, 867                        | 23, 774  | 6, 337      | 7, 787   | 15, 520     | 15, 987  | 5, 350   | 6, 054  | 3, 615   | 4, 569   |
| Arizona.....            | 6, 049                         | 9, 989   | 1, 485      | 1, 523   | 4, 564      | 8, 463   | 3, 468   | 2, 597  | 1, 009   | 1, 463   |
| Utah.....               | 4, 501                         | 4, 877   | 3, 141      | 3, 357   | 1, 360      | 1, 520   | 608      | 759     | 504      | 603      |
| Nevada.....             | 2, 166                         | 1, 871   | 1, 330      | 1, 231   | 827         | 639      | 925      | 1, 452  | 990      | 299      |
| Pacific.....            | 40, 683                        | 42, 105  | 20, 119     | 21, 777  | 20, 584     | 20, 398  | 7, 268   | 6, 421  | 12, 574  | 13, 949  |
| Washington.....         | 9, 379                         | 9, 857   | 4, 345      | 4, 552   | 5, 034      | 5, 305   | 560      | 650     | 3, 595   | 4, 172   |
| Oregon.....             | 12, 877                        | 13, 523  | 6, 247      | 6, 645   | 6, 630      | 6, 884   | 839      | 855     | 2, 532   | 2, 974   |
| California.....         | 18, 426                        | 18, 720  | 9, 527      | 10, 580  | 8, 900      | 8, 139   | 5, 869   | 4, 915  | 6, 147   | 6, 803   |

1 Less than 500 acres.

Source: Bureau of the Census, Department of Commerce.

## No. 559.—FARM ACREAGE: CROP LAND ACCORDING TO USE, BY TENURE OF OPERATOR, BY STATES, 1934

NOTE.—For totals (all tenures combined) see table 553

[In thousands of acres]

| Division and State      | Land available for crops <sup>1</sup> |                  |           |                  | Crop land harvested |                  |           |                  | Crop failure     |                  |                  |                  |
|-------------------------|---------------------------------------|------------------|-----------|------------------|---------------------|------------------|-----------|------------------|------------------|------------------|------------------|------------------|
|                         | Full owners                           | Part owners      | Man-agers | Ten-ants         | Full owners         | Part own-ers     | Man-agers | Ten-ants         | Full own-ers     | Part own-ers     | Man-agers        | Ten-ants         |
| United States.....      | 188,304                               | 112,697          | 10,822    | 201,991          | 109,329             | 55,850           | 6,012     | 124,433          | 16,069           | 18,837           | 626              | 27,150           |
| New England.....        | 3,924                                 | 680              | 189       | 398              | 3,144               | 441              | 145       | 315              | 22               | 3                | 1                | 2                |
| Maine.....              | 1,360                                 | 152              | 28        | 91               | 1,155               | 132              | 23        | 76               | 5                | 1                | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| New Hampshire.....      | 408                                   | 79               | 17        | 37               | 335                 | 67               | 13        | 30               | 2                | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Vermont.....            | 1,000                                 | 143              | 44        | 168              | 825                 | 115              | 35        | 138              | 4                | 1                | ( <sup>2</sup> ) | 1                |
| Massachusetts.....      | 594                                   | 69               | 51        | 42               | 423                 | 57               | 39        | 29               | 6                | 1                | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Rhode Island.....       | 63                                    | 18               | 8         | 16               | 40                  | 11               | 5         | 10               | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Connecticut.....        | 498                                   | 71               | 39        | 43               | 365                 | 58               | 30        | 31               | 5                | 1                | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Middle Atlantic.....    | 14,287                                | 2,089            | 661       | 3,968            | 10,084              | 1,568            | 471       | 2,797            | 177              | 24               | 6                | 51               |
| New York.....           | 6,986                                 | 1,361            | 290       | 1,669            | 4,961               | 1,027            | 207       | 1,203            | 78               | 15               | 2                | 21               |
| New Jersey.....         | 762                                   | 98               | 72        | 298              | 528                 | 80               | 51        | 207              | 2                | ( <sup>2</sup> ) | 1                | 1                |
| Pennsylvania.....       | 6,519                                 | 630              | 289       | 1,971            | 4,555               | 476              | 214       | 1,888            | 97               | 9                | 3                | 29               |
| East North Central..... | 34,789                                | 14,868           | 1,190     | 29,094           | 23,560              | 10,875           | 849       | 20,904           | 1,124            | 521              | 39               | 1,404            |
| Ohio.....               | 7,450                                 | 2,439            | 233       | 5,323            | 4,684               | 1,798            | 160       | 3,742            | 109              | 33               | 5                | 84               |
| Indiana.....            | 5,533                                 | 3,169            | 237       | 5,534            | 3,690               | 2,302            | 162       | 3,949            | 142              | 77               | 6                | 170              |
| Illinois.....           | 6,690                                 | 5,434            | 345       | 12,714           | 4,266               | 3,848            | 254       | 9,199            | 431              | 306              | 20               | 978              |
| Michigan.....           | 6,905                                 | 2,248            | 198       | 2,466            | 4,807               | 1,694            | 134       | 1,717            | 150              | 40               | 4                | 57               |
| Wisconsin.....          | 7,892                                 | 1,581            | 177       | 3,058            | 6,103               | 1,232            | 139       | 2,298            | 291              | 66               | 4                | 116              |
| West North Central..... | 50,391                                | 51,138           | 1,797     | 75,790           | 28,583              | 22,903           | 1,027     | 40,157           | 8,830            | 13,068           | 293              | 17,489           |
| Minnesota.....          | 8,335                                 | 5,049            | 206       | 9,200            | 6,424               | 3,838            | 158       | 6,742            | 750              | 540              | 16               | 1,169            |
| Iowa.....               | 8,723                                 | 3,776            | 295       | 14,191           | 5,771               | 2,614            | 199       | 10,341           | 341              | 175              | 12               | 582              |
| Missouri.....           | 9,334                                 | 4,375            | 279       | 8,532            | 4,355               | 2,400            | 138       | 4,809            | 488              | 251              | 10               | 563              |
| North Dakota.....       | 6,554                                 | 11,117           | 154       | 9,481            | 2,359               | 3,600            | 91        | 3,292            | 2,187            | 4,165            | 46               | 3,490            |
| South Dakota.....       | 3,805                                 | 8,327            | 161       | 9,479            | 1,042               | 1,532            | 36        | 2,254            | 1,606            | 3,580            | 58               | 4,538            |
| Nebraska.....           | 6,831                                 | 7,109            | 333       | 11,588           | 3,031               | 3,432            | 239       | 5,493            | 1,940            | 2,193            | 52               | 4,041            |
| Kansas.....             | 7,608                                 | 11,384           | 338       | 13,319           | 3,861               | 5,480            | 165       | 7,167            | 1,507            | 2,705            | 67               | 3,096            |
| South Atlantic.....     | 20,210                                | 3,453            | 1,369     | 17,941           | 11,807              | 2,395            | 880       | 12,992           | 228              | 46               | 8                | 201              |
| Delaware.....           | 272                                   | 30               | 22        | 257              | 180                 | 24               | 17        | 169              | 3                | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 2                |
| Maryland.....           | 1,455                                 | 126              | 133       | 919              | 931                 | 91               | 87        | 569              | 12               | 1                | 1                | 0                |
| Dist. of Col.....       | ( <sup>2</sup> )                      | ( <sup>2</sup> ) | 1         | ( <sup>2</sup> ) | ( <sup>2</sup> )    | ( <sup>2</sup> ) | 1         | ( <sup>2</sup> ) | ( <sup>2</sup> ) | -----            | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Virginia.....           | 5,097                                 | 757              | 264       | 1,932            | 2,269               | 433              | 125       | 1,025            | 40               | 6                | 1                | 18               |
| West Virginia.....      | 2,490                                 | 389              | 87        | 664              | 1,157               | 181              | 49        | 323              | 21               | 3                | ( <sup>2</sup> ) | 6                |
| North Carolina.....     | 3,687                                 | 922              | 120       | 3,515            | 2,400               | 707              | 86        | 2,773            | 40               | 11               | 1                | 37               |
| South Carolina.....     | 2,021                                 | 452              | 152       | 3,018            | 1,395               | 355              | 88        | 2,340            | 35               | 9                | 2                | 42               |
| Georgia.....            | 3,861                                 | 680              | 316       | 6,974            | 2,674               | 470              | 220       | 5,282            | 52               | 7                | 2                | 77               |
| Florida.....            | 1,326                                 | 196              | 274       | 673              | 812                 | 135              | 188       | 445              | 26               | 8                | 1                | 17               |
| East South Central..... | 20,346                                | 3,551            | 643       | 18,017           | 10,029              | 2,117            | 367       | 13,209           | 192              | 36               | 5                | 152              |
| Kentucky.....           | 7,662                                 | 1,292            | 115       | 3,462            | 2,873               | 666              | 43        | 1,836            | 62               | 13               | ( <sup>2</sup> ) | 29               |
| Tennessee.....          | 5,452                                 | 1,041            | 111       | 4,125            | 2,774               | 664              | 55        | 2,837            | 53               | 10               | 1                | 34               |
| Alabama.....            | 3,484                                 | 758              | 139       | 5,339            | 2,295               | 520              | 81        | 4,342            | 32               | 7                | 1                | 37               |
| Mississippi.....        | 3,749                                 | 460              | 279       | 5,062            | 2,087               | 267              | 188       | 4,194            | 46               | 6                | 4                | 52               |
| West South Central..... | 24,243                                | 12,681           | 2,234     | 38,745           | 14,187              | 7,037            | 878       | 26,145           | 2,838            | 1,976            | 151              | 4,927            |
| Arkansas.....           | 3,698                                 | 869              | 208       | 4,633            | 2,218               | 597              | 155       | 3,468            | 158              | 34               | 5                | 171              |
| Louisiana.....          | 2,182                                 | 465              | 300       | 2,928            | 1,289               | 287              | 155       | 2,246            | 55               | 12               | 8                | 75               |
| Oklahoma.....           | 4,795                                 | 4,519            | 321       | 9,978            | 2,951               | 2,619            | 111       | 6,661            | 708              | 772              | 20               | 1,384            |
| Texas.....              | 13,669                                | 7,117            | 1,405     | 21,205           | 7,669               | 3,635            | 456       | 13,769           | 1,913            | 1,168            | 117              | 3,293            |
| Mountain.....           | 12,171                                | 17,341           | 1,190     | 11,163           | 4,989               | 5,051            | 498       | 4,120            | 2,389            | 3,283            | 107              | 2,702            |
| Montana.....            | 3,352                                 | 7,384            | 269       | 3,231            | 1,210               | 2,198            | 107       | 1,070            | 684              | 1,235            | 36               | 612              |
| Idaho.....              | 1,754                                 | 1,306            | 102       | 1,122            | 1,124               | 726              | 64        | 754              | 152              | 84               | 11               | 72               |
| Wyoming.....            | 920                                   | 1,771            | 142       | 809              | 376                 | 502              | 94        | 259              | 169              | 261              | 8                | 124              |
| Colorado.....           | 2,851                                 | 4,023            | 183       | 4,591            | 1,136               | 1,092            | 70        | 1,546            | 701              | 1,178            | 23               | 1,487            |
| New Mexico.....         | 1,734                                 | 2,170            | 279       | 1,135            | 320                 | 183              | 18        | 223              | 439              | 428              | 16               | 339              |
| Arizona.....            | 337                                   | 219              | 94        | 199              | 194                 | 109              | 57        | 128              | 25               | 10               | 2                | 13               |
| Utah.....               | 1,008                                 | 419              | 55        | 225              | 475                 | 202              | 32        | 106              | 211              | 89               | 6                | 51               |
| Nevada.....             | 216                                   | 48               | 65        | 51               | 148                 | 39               | 51        | 34               | 17               | 3                | 4                | 3                |
| Pacific.....            | 7,962                                 | 8,787            | 1,661     | 8,808            | 4,816               | 3,450            | 921       | 3,859            | 272              | 276              | 49               | 242              |
| Washington.....         | 1,851                                 | 2,380            | 157       | 2,356            | 1,150               | 1,202            | 85        | 1,198            | 30               | 29               | 1                | 38               |
| Oregon.....             | 1,900                                 | 1,612            | 173       | 1,236            | 1,199               | 833              | 91        | 709              | 93               | 119              | 12               | 57               |
| California.....         | 4,211                                 | 2,775            | 1,331     | 3,314            | 2,467               | 1,415            | 745       | 1,952            | 140              | 128              | 35               | 147              |

<sup>1</sup> Includes crop land harvested, crop failure, crop land idle or fallow, and plowable pasture.<sup>2</sup> Less than 500 acres.

Source: Bureau of the Census, Department of Commerce.

# No. 560.—PERCENTAGE OF TOTAL NUMBER OF FARMS AND OF FARM ACREAGE OPERATED BY TENANTS: BY STATES

NOTE.—Land rented by part owners is not included

| Division and State      | Percent of total operated by tenants |      |      |      |      |                   |      |      |      |      |                          |                     |              |
|-------------------------|--------------------------------------|------|------|------|------|-------------------|------|------|------|------|--------------------------|---------------------|--------------|
|                         | Number of farms                      |      |      |      |      | All land in farms |      |      |      |      | Land available for crops | Crop land harvested | Crop failure |
|                         | 1910                                 | 1920 | 1925 | 1930 | 1935 | 1910              | 1920 | 1925 | 1930 | 1935 | 1934                     | 1934                | 1934         |
| United States.....      | 37.0                                 | 38.1 | 38.6 | 42.4 | 42.1 | 25.8              | 27.7 | 28.7 | 31.1 | 31.9 | 39.3                     | 42.1                | 42.6         |
| New England.....        | 8.0                                  | 7.4  | 5.6  | 6.3  | 7.7  | 7.8               | 7.7  | 5.9  | 6.6  | 7.6  | 7.8                      | 7.8                 | 7.8          |
| Maine.....              | 4.3                                  | 4.2  | 3.4  | 4.5  | 6.9  | 3.6               | 3.8  | 3.0  | 3.7  | 5.5  | 5.6                      | 5.5                 | 6.8          |
| New Hampshire.....      | 0.9                                  | 0.7  | 4.8  | 5.3  | 7.3  | 5.4               | 5.9  | 4.2  | 5.2  | 7.1  | 6.9                      | 6.7                 | 10.7         |
| Vermont.....            | 12.3                                 | 11.6 | 9.3  | 9.7  | 10.9 | 13.7              | 13.3 | 10.7 | 10.7 | 11.3 | 12.4                     | 12.4                | 11.3         |
| Massachusetts.....      | 8.1                                  | 7.1  | 4.8  | 5.6  | 6.2  | 7.0               | 6.4  | 4.4  | 5.0  | 5.6  | 5.6                      | 5.4                 | 5.8          |
| Rhode Island.....       | 18.0                                 | 15.5 | 12.1 | 12.5 | 13.8 | 18.2              | 15.9 | 12.1 | 14.8 | 15.4 | 15.7                     | 15.2                | 9.4          |
| Connecticut.....        | 9.8                                  | 8.5  | 6.4  | 6.2  | 7.3  | 9.9               | 8.9  | 6.7  | 7.0  | 6.9  | 6.7                      | 6.4                 | 6.9          |
| Middle Atlantic.....    | 22.3                                 | 20.7 | 15.3 | 14.7 | 16.2 | 25.9              | 23.7 | 18.0 | 17.1 | 17.7 | 18.8                     | 18.8                | 19.7         |
| New York.....           | 20.8                                 | 19.2 | 14.1 | 13.2 | 14.2 | 24.4              | 22.4 | 17.2 | 15.5 | 15.5 | 16.2                     | 16.3                | 17.7         |
| New Jersey.....         | 24.8                                 | 23.0 | 15.9 | 15.6 | 17.8 | 30.4              | 28.5 | 23.5 | 21.6 | 23.3 | 24.3                     | 23.9                | 24.4         |
| Pennsylvania.....       | 23.3                                 | 21.9 | 17.4 | 15.9 | 17.7 | 27.1              | 24.7 | 20.6 | 18.6 | 18.7 | 21.0                     | 20.9                | 21.3         |
| East North Central..... | 27.0                                 | 28.1 | 28.0 | 27.3 | 28.4 | 30.0              | 32.6 | 31.5 | 32.9 | 33.8 | 38.4                     | 37.2                | 45.5         |
| Ohio.....               | 28.4                                 | 29.5 | 25.5 | 25.3 | 28.9 | 31.4              | 33.8 | 30.9 | 31.2 | 32.8 | 34.5                     | 35.0                | 36.3         |
| Indiana.....            | 30.0                                 | 32.0 | 28.2 | 30.1 | 31.6 | 32.3              | 35.7 | 35.0 | 35.8 | 36.0 | 37.4                     | 39.1                | 43.0         |
| Illinois.....           | 41.4                                 | 42.7 | 42.0 | 43.1 | 44.5 | 43.6              | 46.9 | 47.1 | 48.7 | 49.1 | 50.5                     | 52.4                | 56.4         |
| Michigan.....           | 15.8                                 | 17.7 | 15.1 | 15.6 | 16.0 | 17.8              | 20.5 | 17.7 | 17.8 | 20.1 | 20.9                     | 20.6                | 22.0         |
| Wisconsin.....          | 13.9                                 | 14.4 | 15.5 | 18.2 | 20.7 | 15.8              | 17.0 | 18.4 | 21.4 | 22.9 | 24.1                     | 23.5                | 24.3         |
| West North Central..... | 30.9                                 | 34.2 | 37.8 | 39.9 | 42.6 | 37.0              | 32.0 | 35.8 | 37.6 | 39.1 | 42.3                     | 44.2                | 43.4         |
| Minnesota.....          | 21.0                                 | 24.7 | 27.1 | 31.1 | 33.7 | 23.8              | 29.0 | 32.1 | 35.7 | 37.5 | 40.4                     | 39.3                | 47.2         |
| Iowa.....               | 37.8                                 | 41.7 | 44.7 | 47.3 | 49.6 | 39.0              | 44.4 | 47.5 | 50.3 | 51.8 | 52.6                     | 54.6                | 52.4         |
| Missouri.....           | 29.9                                 | 29.8 | 32.6 | 34.3 | 38.8 | 25.4              | 27.1 | 29.3 | 32.6 | 35.6 | 37.9                     | 41.4                | 42.4         |
| North Dakota.....       | 14.3                                 | 25.6 | 34.4 | 35.1 | 39.1 | 15.3              | 23.6 | 30.7 | 30.7 | 32.5 | 34.9                     | 35.2                | 35.3         |
| South Dakota.....       | 24.8                                 | 34.9 | 41.6 | 44.6 | 48.1 | 23.3              | 27.7 | 32.2 | 35.7 | 37.4 | 43.5                     | 46.3                | 46.4         |
| Nebraska.....           | 38.1                                 | 42.9 | 46.4 | 47.1 | 48.3 | 27.3              | 33.9 | 37.3 | 39.2 | 39.4 | 45.7                     | 45.0                | 49.1         |
| Kansas.....             | 36.8                                 | 40.4 | 42.2 | 42.4 | 44.0 | 30.6              | 37.0 | 39.5 | 39.0 | 39.2 | 40.9                     | 43.0                | 41.6         |
| South Atlantic.....     | 45.9                                 | 46.8 | 44.5 | 48.1 | 46.3 | 30.1              | 32.3 | 30.2 | 35.8 | 38.2 | 41.8                     | 46.2                | 41.6         |
| Delaware.....           | 41.9                                 | 39.3 | 35.8 | 33.8 | 34.8 | 52.1              | 49.0 | 46.5 | 44.3 | 44.3 | 43.3                     | 43.4                | 39.5         |
| Maryland.....           | 20.5                                 | 28.9 | 25.4 | 26.5 | 27.2 | 38.5              | 36.7 | 35.6 | 34.4 | 33.4 | 34.9                     | 33.9                | 30.7         |
| Dist. of Columbia.....  | 38.7                                 | 41.7 | 28.1 | 23.1 | 23.6 | 35.9              | 35.1 | 21.2 | 13.8 | 11.2 | 10.0                     | 10.1                | 26.7         |
| Virginia.....           | 26.5                                 | 25.6 | 25.2 | 28.1 | 29.5 | 21.1              | 21.4 | 19.7 | 22.9 | 25.0 | 24.0                     | 25.7                | 28.2         |
| West Virginia.....      | 20.5                                 | 18.2 | 15.3 | 18.6 | 25.8 | 15.5              | 14.6 | 14.3 | 15.9 | 20.0 | 18.3                     | 18.9                | 18.9         |
| North Carolina.....     | 42.3                                 | 43.5 | 45.2 | 49.2 | 47.2 | 27.6              | 30.9 | 31.3 | 37.3 | 37.8 | 42.6                     | 46.5                | 38.8         |
| South Carolina.....     | 63.0                                 | 64.5 | 65.1 | 65.1 | 62.2 | 36.4              | 42.5 | 41.0 | 45.5 | 47.8 | 53.5                     | 56.0                | 47.7         |
| Georgia.....            | 65.6                                 | 66.6 | 63.8 | 68.2 | 65.6 | 42.0              | 46.0 | 42.2 | 51.1 | 53.6 | 59.2                     | 61.1                | 55.7         |
| Florida.....            | 26.7                                 | 25.3 | 21.3 | 28.4 | 28.0 | 13.1              | 13.0 | 11.0 | 21.7 | 24.2 | 27.2                     | 28.2                | 32.6         |
| East South Central..... | 50.7                                 | 49.7 | 50.3 | 55.9 | 54.8 | 28.0              | 29.6 | 29.2 | 36.0 | 37.1 | 42.3                     | 51.4                | 39.5         |
| Kentucky.....           | 33.0                                 | 33.4 | 32.0 | 35.9 | 37.1 | 19.9              | 21.1 | 19.8 | 25.7 | 27.1 | 27.8                     | 33.9                | 27.9         |
| Tennessee.....          | 41.1                                 | 41.1 | 41.0 | 46.2 | 46.3 | 25.1              | 28.2 | 26.5 | 33.7 | 35.2 | 38.4                     | 44.8                | 34.9         |
| Alabama.....            | 60.2                                 | 57.9 | 60.7 | 64.7 | 64.5 | 34.2              | 35.8 | 38.3 | 44.5 | 46.4 | 54.9                     | 60.0                | 48.7         |
| Mississippi.....        | 66.1                                 | 66.1 | 68.3 | 72.2 | 69.8 | 33.7              | 34.5 | 34.4 | 41.7 | 40.2 | 53.0                     | 62.3                | 48.3         |
| West South Central..... | 52.8                                 | 52.9 | 59.2 | 62.3 | 59.5 | 26.7              | 30.1 | 33.5 | 37.7 | 37.3 | 49.6                     | 54.3                | 49.8         |
| Arkansas.....           | 50.0                                 | 51.3 | 56.7 | 63.0 | 60.0 | 27.0              | 30.3 | 33.8 | 42.2 | 42.4 | 49.3                     | 53.9                | 46.5         |
| Louisiana.....          | 55.3                                 | 57.1 | 60.1 | 66.6 | 63.7 | 25.7              | 29.7 | 39.7 | 39.7 | 40.9 | 49.8                     | 56.5                | 50.0         |
| Oklahoma.....           | 54.8                                 | 51.0 | 58.6 | 61.5 | 61.2 | 43.1              | 39.3 | 45.1 | 48.3 | 47.8 | 50.9                     | 54.0                | 48.0         |
| Texas.....              | 52.6                                 | 53.3 | 60.4 | 60.9 | 57.1 | 22.5              | 27.6 | 30.5 | 33.2 | 33.6 | 49.0                     | 54.1                | 50.8         |
| Mountain.....           | 10.7                                 | 15.4 | 22.2 | 24.4 | 26.6 | 10.5              | 11.5 | 14.5 | 16.0 | 18.1 | 26.7                     | 28.1                | 31.8         |
| Montana.....            | 8.9                                  | 11.3 | 21.9 | 24.5 | 27.7 | 10.9              | 9.3  | 16.7 | 18.8 | 18.9 | 22.7                     | 23.3                | 23.8         |
| Idaho.....              | 10.3                                 | 15.9 | 24.4 | 25.3 | 28.5 | 10.7              | 14.2 | 20.4 | 19.9 | 20.5 | 26.2                     | 28.2                | 22.7         |
| Wyoming.....            | 8.2                                  | 12.5 | 17.9 | 22.0 | 23.3 | 6.2               | 8.3  | 8.9  | 10.7 | 9.0  | 17.7                     | 21.2                | 22.4         |
| Colorado.....           | 18.2                                 | 23.0 | 30.9 | 34.5 | 39.0 | 16.7              | 17.4 | 22.7 | 24.8 | 28.3 | 39.4                     | 40.1                | 43.9         |
| New Mexico.....         | 9.5                                  | 12.2 | 17.1 | 20.2 | 19.0 | 8.7               | 11.0 | 11.9 | 11.7 | 13.3 | 21.3                     | 29.9                | 27.7         |
| Arizona.....            | 5.3                                  | 18.1 | 21.5 | 16.4 | 17.8 | 8.6               | 10.2 | 8.8  | 9.6  | 10.4 | 23.4                     | 26.2                | 26.0         |
| Utah.....               | 7.0                                  | 10.9 | 11.1 | 12.2 | 14.9 | 5.7               | 7.4  | 6.9  | 9.0  | 9.7  | 13.2                     | 13.0                | 14.4         |
| Nevada.....             | 12.4                                 | 9.4  | 7.9  | 12.9 | 14.4 | 5.8               | 6.0  | 4.6  | 24.5 | 8.2  | 13.3                     | 12.5                | 11.3         |
| Pacific.....            | 17.2                                 | 20.1 | 15.6 | 17.7 | 21.2 | 19.8              | 22.8 | 19.7 | 20.8 | 22.3 | 23.6                     | 23.6                | 25.9         |
| Washington.....         | 13.7                                 | 18.7 | 16.3 | 17.0 | 20.0 | 17.7              | 26.0 | 25.4 | 26.6 | 28.4 | 34.9                     | 32.9                | 38.7         |
| Oregon.....             | 15.1                                 | 18.8 | 16.8 | 17.8 | 21.7 | 16.1              | 19.8 | 16.8 | 17.1 | 17.1 | 25.1                     | 25.0                | 20.4         |
| California.....         | 20.6                                 | 21.4 | 14.7 | 18.0 | 21.7 | 22.2              | 22.8 | 18.6 | 20.2 | 22.3 | 28.5                     | 29.7                | 32.0         |

Source: Bureau of the Census, Department of Commerce.

# No. 561.—VALUE OF LAND AND BUILDINGS WITH AVERAGE VALUE PER FARM: BY TENURE OF OPERATOR, BY STATES

NOTE.—Value of land and buildings in millions and tenths of millions of dollars (that is, \$1,123.5 = \$1,123,500,000); average value per farm in dollars. For total value of land and buildings and average value of land and buildings per farm for all tenures combined see tables 554 and 551, respectively

| Division and State  | Value of land and buildings |          |             |         |          |         |          |          | Average value per farm, 1935 |             |          |         |
|---------------------|-----------------------------|----------|-------------|---------|----------|---------|----------|----------|------------------------------|-------------|----------|---------|
|                     | Full owners                 |          | Part owners |         | Managers |         | Tenants  |          | Full owners                  | Part owners | Managers | Tenants |
|                     | 1930                        | 1935     | 1930        | 1935    | 1930     | 1935    | 1930     | 1935     |                              |             |          |         |
| United States.....  | 21,123.5                    | 14,824.8 | 8,136.3     | 5,515.1 | 2,235.5  | 1,586.3 | 16,861.6 | 10,952.7 | 4,618                        | 8,006       | 32,561   | 3,823   |
| New England.....    | 713.4                       | 695.9    | 77.4        | 69.8    | 93.0     | 76.1    | 58.9     | 58.5     | 5,245                        | 6,473       | 32,179   | 4,788   |
| Maine.....          | 170.4                       | 122.1    | 6.1         | 10.4    | 7.7      | 3.9     | 7.1      | 7.2      | 3,408                        | 3,589       | 12,020   | 2,483   |
| N. Hampshire.....   | 60.8                        | 50.9     | 5.4         | 7.7     | 7.8      | 4.3     | 3.4      | 4.0      | 3,528                        | 4,397       | 20,428   | 3,108   |
| Vermont.....        | 111.3                       | 86.7     | 10.9        | 11.4    | 8.4      | 5.6     | 15.3     | 12.4     | 4,032                        | 5,245       | 12,392   | 4,222   |
| Massachusetts.....  | 188.4                       | 192.9    | 22.8        | 10.5    | 33.8     | 33.1    | 11.2     | 13.2     | 6,397                        | 8,405       | 40,061   | 6,008   |
| Rhode Island.....   | 21.8                        | 21.4     | 4.6         | 4.1     | 4.0      | 5.8     | 4.1      | 4.0      | 6,010                        | 10,303      | 69,793   | 6,662   |
| Connecticut.....    | 160.8                       | 222.9    | 24.5        | 19.7    | 26.3     | 23.6    | 15.8     | 17.7     | 8,058                        | 12,380      | 47,806   | 7,571   |
| Mid. Atlantic.....  | 1,948.0                     | 1,427.3  | 218.5       | 181.0   | 195.2    | 191.1   | 456.1    | 342.0    | 4,730                        | 6,864       | 36,093   | 5,321   |
| New York.....       | 904.7                       | 684.1    | 136.4       | 116.2   | 80.5     | 104.9   | 159.4    | 140.2    | 5,115                        | 7,444       | 40,754   | 5,536   |
| New Jersey.....     | 202.2                       | 159.1    | 20.0        | 16.0    | 30.1     | 20.7    | 40.0     | 41.5     | 7,092                        | 10,188      | 37,637   | 7,910   |
| Pennsylvania.....   | 841.1                       | 587.1    | 63.2        | 48.8    | 78.7     | 65.5    | 220.0    | 160.3    | 4,021                        | 5,310       | 30,172   | 4,726   |
| E. N. Central.....  | 4,354.0                     | 3,071.8  | 1,412.8     | 1,056.6 | 267.1    | 151.2   | 3,502.9  | 2,317.4  | 4,982                        | 7,468       | 21,784   | 7,270   |
| Ohio.....           | 899.1                       | 668.0    | 226.5       | 178.4   | 60.7     | 35.1    | 3,006.7  | 305.0    | 4,344                        | 6,694       | 27,787   | 5,355   |
| Indiana.....        | 597.0                       | 443.9    | 271.3       | 201.8   | 30.6     | 22.4    | 518.7    | 372.4    | 4,183                        | 6,740       | 16,696   | 5,804   |
| Illinois.....       | 971.5                       | 637.4    | 580.0       | 401.8   | 53.0     | 45.9    | 1,059.9  | 1,120.3  | 7,338                        | 10,121      | 24,225   | 10,807  |
| Michigan.....       | 708.4                       | 508.3    | 181.6       | 135.1   | 53.6     | 22.7    | 219.0    | 100.2    | 3,825                        | 5,330       | 21,541   | 4,202   |
| Wisconsin.....      | 1,180.0                     | 816.3    | 152.5       | 139.6   | 38.6     | 22.1    | 300.6    | 268.0    | 5,937                        | 7,043       | 17,330   | 6,513   |
| W. N. Central.....  | 5,253.6                     | 3,215.3  | 3,466.3     | 2,142.2 | 218.6    | 127.9   | 6,222.0  | 3,899.9  | 6,829                        | 10,705      | 20,739   | 7,757   |
| Minnesota.....      | 971.4                       | 608.6    | 384.8       | 230.5   | 27.1     | 15.8    | 741.8    | 498.0    | 6,008                        | 7,065       | 18,050   | 7,280   |
| Iowa.....           | 1,450.9                     | 878.6    | 627.5       | 332.7   | 59.6     | 31.2    | 2,047.5  | 1,210.8  | 10,105                       | 14,278      | 19,735   | 11,073  |
| Missouri.....       | 843.5                       | 498.0    | 325.0       | 189.7   | 40.9     | 24.0    | 536.8    | 337.9    | 9,777                        | 5,097       | 18,801   | 3,891   |
| N. Dakota.....      | 255.1                       | 190.8    | 332.3       | 282.0   | 10.5     | 6.0     | 546.6    | 228.3    | 7,393                        | 11,121      | 17,910   | 6,804   |
| S. Dakota.....      | 258.7                       | 149.1    | 436.2       | 234.1   | 13.7     | 9.0     | 546.6    | 299.6    | 6,959                        | 11,135      | 24,022   | 7,402   |
| Nebraska.....       | 761.5                       | 461.2    | 590.9       | 389.1   | 34.1     | 21.6    | 1,099.7  | 690.9    | 10,762                       | 16,110      | 27,186   | 10,408  |
| Kansas.....         | 643.5                       | 428.1    | 710.6       | 465.1   | 30.8     | 20.1    | 896.2    | 575.4    | 7,093                        | 12,454      | 21,833   | 7,495   |
| South Atlantic..... | 2,118.4                     | 1,630.2  | 279.3       | 206.7   | 291.3    | 193.9   | 1,165.1  | 861.1    | 2,901                        | 2,563       | 33,909   | 1,822   |
| Delaware.....       | 36.5                        | 25.9     | 3.1         | 2.2     | 5.2      | 5.8     | 22.2     | 17.5     | 4,203                        | 4,984       | 37,863   | 4,837   |
| Maryland.....       | 208.9                       | 148.4    | 19.9        | 10.9    | 32.3     | 31.2    | 4,078    | 63.9     | 4,078                        | 5,251       | 25,401   | 5,288   |
| Dist. of Col.....   | 1.5                         | 1.7      | 1.0         | 1.0     | 4.0      | 5.0     | 97.1     | 5.0      | 38,816                       | 12,000      | 294,093  | 22,890  |
| Virginia.....       | 582.2                       | 396.0    | 76.9        | 49.3    | 51.6     | 30.2    | 165.1    | 118.4    | 3,259                        | 2,660       | 27,266   | 2,028   |
| W. Virginia.....    | 248.8                       | 169.2    | 28.8        | 20.2    | 13.5     | 9.0     | 50.8     | 42.3     | 2,409                        | 2,827       | 16,111   | 1,566   |
| N. Carolina.....    | 420.6                       | 303.6    | 73.4        | 62.5    | 16.3     | 13.4    | 373.0    | 243.1    | 2,365                        | 2,104       | 19,240   | 1,710   |
| S. Carolina.....    | 163.8                       | 121.4    | 26.3        | 20.0    | 15.2     | 13.0    | 173.0    | 128.1    | 2,395                        | 2,165       | 20,457   | 1,245   |
| Georgia.....        | 228.1                       | 175.4    | 30.2        | 23.7    | 34.9     | 18.0    | 284.2    | 212.7    | 2,312                        | 2,542       | 17,699   | 1,204   |
| Florida.....        | 248.0                       | 193.7    | 20.7        | 14.8    | 117.3    | 78.0    | 37.4     | 34.6     | 4,235                        | 4,032       | 25,659   | 1,698   |
| E. S. Central.....  | 1,369.1                     | 1,021.3  | 213.9       | 149.0   | 80.5     | 52.9    | 1,021.8  | 692.0    | 2,320                        | 2,098       | 32,558   | 1,110   |
| Kentucky.....       | 540.2                       | 300.9    | 70.8        | 53.8    | 21.8     | 12.8    | 229.6    | 162.9    | 2,624                        | 2,077       | 30,330   | 1,578   |
| Tennessee.....      | 404.7                       | 311.0    | 71.6        | 47.8    | 17.6     | 11.4    | 240.6    | 185.5    | 2,487                        | 2,209       | 23,851   | 1,465   |
| Alabama.....        | 211.4                       | 157.8    | 41.2        | 30.3    | 13.4     | 9.2     | 230.4    | 171.0    | 1,934                        | 2,010       | 17,740   | 970     |
| Mississippi.....    | 212.9                       | 161.6    | 21.2        | 17.1    | 27.9     | 19.6    | 306.3    | 172.6    | 1,911                        | 1,078       | 21,748   | 794     |
| W. S. Central.....  | 1,969.8                     | 1,448.4  | 559.9       | 428.7   | 327.1    | 282.9   | 2,655.3  | 1,691.7  | 3,885                        | 7,572       | 49,053   | 2,499   |
| Arkansas.....       | 209.9                       | 155.8    | 48.8        | 32.5    | 14.0     | 14.7    | 275.0    | 173.1    | 1,814                        | 2,203       | 24,791   | 1,140   |
| Louisiana.....      | 169.8                       | 127.4    | 28.4        | 22.3    | 34.7     | 20.5    | 185.8    | 125.2    | 2,321                        | 3,469       | 39,581   | 1,166   |
| Oklahoma.....       | 342.7                       | 230.2    | 270.0       | 170.1   | 23.9     | 17.1    | 606.1    | 387.0    | 8,915                        | 7,365       | 22,070   | 2,809   |
| Texas.....          | 1,241.9                     | 933.0    | 512.6       | 403.7   | 254.5    | 210.6   | 1,588.3  | 1,026.4  | 5,402                        | 10,424      | 60,622   | 3,587   |
| Mountain.....       | 899.8                       | 704.4    | 737.5       | 563.3   | 157.8    | 102.7   | 573.4    | 412.1    | 4,770                        | 11,385      | 34,593   | 5,717   |
| Montana.....        | 162.1                       | 113.5    | 237.1       | 174.1   | 22.4     | 14.5    | 106.0    | 73.8     | 5,277                        | 11,810      | 43,656   | 5,270   |
| Idaho.....          | 200.2                       | 147.9    | 96.6        | 67.2    | 14.4     | 9.2     | 107.1    | 63.1     | 5,687                        | 11,510      | 23,238   | 4,458   |
| Wyoming.....        | 65.1                        | 45.4     | 93.4        | 70.2    | 13.2     | 17.8    | 35.1     | 24.3     | 5,541                        | 16,397      | 48,087   | 5,953   |
| Colorado.....       | 218.4                       | 151.9    | 165.7       | 105.5   | 20.0     | 12.8    | 216.8    | 148.6    | 5,479                        | 9,949       | 26,031   | 5,982   |
| N. Mexico.....      | 77.1                        | 68.9     | 69.1        | 54.2    | 21.2     | 14.1    | 40.5     | 32.9     | 2,516                        | 4,448       | 35,822   | 4,188   |
| Arizona.....        | 70.9                        | 54.0     | 38.5        | 34.4    | 39.8     | 10.4    | 35.0     | 24.8     | 4,124                        | 18,916      | 34,816   | 7,407   |
| Utah.....           | 140.7                       | 100.3    | 48.1        | 33.0    | 7.1      | 5.0     | 25.4     | 20.0     | 4,767                        | 6,875       | 22,444   | 4,356   |
| Nevada.....         | 35.4                        | 22.4     | 9.9         | 5.6     | 10.7     | 9.9     | 8.1      | 4.7      | 8,460                        | 18,427      | 45,829   | 8,898   |
| Pacific.....        | 2,435.4                     | 1,711.3  | 550.7       | 527.9   | 609.9    | 407.6   | 928.0    | 673.1    | 8,528                        | 19,763      | 47,462   | 10,662  |
| Washington.....     | 305.5                       | 285.3    | 168.3       | 114.1   | 34.4     | 23.1    | 175.5    | 128.2    | 4,871                        | 14,398      | 21,877   | 7,617   |
| Oregon.....         | 321.7                       | 234.9    | 158.4       | 106.5   | 29.5     | 19.7    | 121.2    | 87.7     | 5,507                        | 14,404      | 27,627   | 6,232   |
| California.....     | 1,718.2                     | 1,191.2  | 524.1       | 307.3   | 545.9    | 364.8   | 631.8    | 462.2    | 11,978                       | 26,943      | 53,520   | 14,136  |

<sup>1</sup> Less than \$50,000.

Source: Bureau of the Census, Department of Commerce.

**No. 562.—NUMBER OF FARMS, LAND IN FARMS, AND VALUE OF LAND AND BUILDINGS: BY COLOR OF OPERATOR FOR THE NORTH AND WEST AND BY COLOR AND TENURE OF OPERATOR FOR THE SOUTH, BY STATES**

NOTE.—Acreage in thousands; value in thousands of dollars. Data by tenure and color are available for the South only

| Division and State    | Number of farms |           |         |         | All land in farms |           |         |        | Value of land and buildings |               |
|-----------------------|-----------------|-----------|---------|---------|-------------------|-----------|---------|--------|-----------------------------|---------------|
|                       | White           |           | Colored |         | White             |           | Colored |        | White, 1935                 | Colored, 1935 |
|                       | 1930            | 1935      | 1930    | 1935    | 1930              | 1935      | 1930    | 1935   |                             |               |
| United States.....    | 5,372,578       | 5,956,785 | 810,070 | 555,555 | 946,683           | 1,015,710 | 41,088  | 38,805 | 31,830,394                  | 928,450       |
| New England.....      | 124,788         | 157,826   | 159     | 415     | 14,273            | 15,452    | 10      | 11     | 899,970                     | 1,301         |
| Maine.....            | 38,989          | 41,893    | 17      | 14      | 4,639             | 4,721     | 1       | 1      | 143,518                     | 22            |
| New Hampshire.....    | 14,898          | 17,089    | 8       | 6       | 1,959             | 2,115     | 1       | (1)    | 66,928                      | 9             |
| Vermont.....          | 24,870          | 27,043    | 22      | 18      | 3,892             | 4,040     | 4       | 3      | 115,942                     | 54            |
| Massachusetts.....    | 25,534          | 34,804    | 64      | 290     | 2,003             | 2,191     | 2       | 5      | 254,742                     | 935           |
| Rhode Island.....     | 3,311           | 4,309     | 11      | 18      | 279               | 307       | 1       | (1)    | 35,173                      | 65            |
| Connecticut.....      | 17,158          | 32,088    | 37      | 69      | 1,500             | 2,078     | 2       | 2      | 283,668                     | 216           |
| Middle Atlantic.....  | 356,396         | 398,216   | 1,207   | 1,468   | 34,998            | 36,373    | 80      | 82     | 2,138,211                   | 5,201         |
| New York.....         | 159,346         | 170,432   | 460     | 593     | 17,942            | 18,644    | 37      | 42     | 1,043,101                   | 2,290         |
| New Jersey.....       | 24,994          | 28,873    | 384     | 502     | 1,738             | 1,893     | 20      | 21     | 232,812                     | 1,502         |
| Pennsylvania.....     | 172,050         | 190,911   | 363     | 373     | 15,287            | 15,890    | 22      | 10     | 800,295                     | 1,409         |
| E. North Central..... | 983,019         | 1,079,534 | 3,488   | 4,153   | 110,652           | 116,727   | 239     | 230    | 6,588,035                   | 8,809         |
| Ohio.....             | 318,050         | 253,669   | 1,237   | 1,477   | 21,421            | 22,768    | 93      | 90     | 1,273,938                   | 3,618         |
| Indiana.....          | 181,095         | 200,411   | 475     | 424     | 19,690            | 20,495    | 29      | 24     | 1,039,075                   | 1,162         |
| Illinois.....         | 213,603         | 230,170   | 894     | 1,136   | 30,438            | 31,608    | 58      | 54     | 2,203,978                   | 1,921         |
| Michigan.....         | 108,811         | 135,863   | 561     | 654     | 17,081            | 18,420    | 38      | 40     | 824,895                     | 1,366         |
| Wisconsin.....        | 181,461         | 190,415   | 310     | 462     | 21,854            | 23,436    | 21      | 23     | 1,246,148                   | 742           |
| W. North Central..... | 1,101,648       | 1,199,225 | 11,107  | 10,631  | 264,071           | 271,831   | 1,417   | 1,246  | 9,364,615                   | 20,526        |
| Minnesota.....        | 185,010         | 202,872   | 245     | 330     | 30,892            | 32,790    | 21      | 25     | 1,382,477                   | 595           |
| Iowa.....             | 214,774         | 221,851   | 154     | 135     | 34,008            | 34,340    | 11      | 11     | 2,461,563                   | 444           |
| Missouri.....         | 250,079         | 273,100   | 5,861   | 5,258   | 33,486            | 34,829    | 257     | 225    | 1,092,105                   | 7,176         |
| North Dakota.....     | 77,174          | 83,631    | 861     | 1,075   | 38,508            | 38,959    | 150     | 180    | 705,083                     | 2,056         |
| South Dakota.....     | 80,417          | 80,806    | 2,740   | 2,498   | 35,680            | 36,460    | 791     | 642    | 886,554                     | 5,310         |
| Nebraska.....         | 129,183         | 133,347   | 270     | 269     | 44,678            | 46,501    | 30      | 24     | 1,501,697                   | 1,116         |
| Kansas.....           | 105,006         | 173,523   | 1,036   | 1,066   | 46,819            | 47,874    | 157     | 136    | 1,474,830                   | 3,829         |
| The South.....        | 2,342,129       | 2,606,176 | 881,687 | 815,747 | 305,281           | 340,020   | 37,806  | 35,566 | 7,948,456                   | 788,402       |
| Owners.....           | 1,233,650       | 1,388,601 | 182,019 | 186,065 | 178,621           | 199,516   | 11,479  | 10,594 | 4,774,439                   | 207,933       |
| Full owners.....      | 1,050,187       | 1,180,833 | 140,496 | 150,113 | 136,194           | 150,801   | 9,010   | 8,514  | 3,832,809                   | 165,067       |
| Part owners.....      | 183,469         | 198,768   | 41,523  | 35,952  | 42,427            | 48,915    | 2,469   | 2,020  | 942,194                     | 42,206        |
| Managers.....         | 16,529          | 15,401    | 829     | 381     | 27,296            | 25,041    | 267     | 180    | 603,298                     | 6,399         |
| All tenants.....      | 1,091,944       | 1,202,174 | 698,839 | 629,301 | 99,364            | 116,004   | 26,060  | 24,872 | 2,670,719                   | 574,101       |
| Croppers.....         | 383,381         | 347,848   | 392,807 | 368,408 | 19,635            | 18,361    | 11,970  | 11,477 | 498,043                     | 311,197       |
| South Atlantic.....   | 780,089         | 865,537   | 298,379 | 281,698 | 71,704            | 81,095    | 14,588  | 14,593 | 2,478,389                   | 313,549       |
| Owners.....           | 459,427         | 520,653   | 80,503  | 87,429  | 47,393            | 51,572    | 4,258   | 4,102  | 1,640,217                   | 90,731        |
| Full owners.....      | 400,386         | 458,248   | 60,714  | 69,164  | 41,694            | 44,962    | 3,314   | 3,238  | 1,458,959                   | 71,629        |
| Part owners.....      | 59,041          | 72,405    | 19,789  | 18,265  | 5,699             | 6,611     | 944     | 864    | 187,257                     | 19,461        |
| Managers.....         | 8,455           | 7,893     | 470     | 216     | 3,641             | 3,632     | 110     | 58     | 190,861                     | 3,015         |
| All tenants.....      | 292,177         | 330,991   | 217,397 | 193,951 | 20,870            | 25,890    | 10,290  | 10,733 | 641,312                     | 219,804       |
| Croppers.....         | 120,487         | 113,652   | 124,171 | 107,296 | 6,284             | 6,758     | 5,079   | 5,040  | 169,591                     | 116,158       |
| Delaware.....         | 8,900           | 9,554     | 807     | 827     | 846               | 871       | 55      | 51     | 49,720                      | 1,756         |
| Owners.....           | 5,887           | 6,217     | 373     | 398     | 467               | 468       | 14      | 13     | 27,651                      | 536           |
| Full owners.....      | 5,507           | 5,793     | 309     | 371     | 431               | 426       | 11      | 12     | 25,439                      | 500           |
| Part owners.....      | 380             | 424       | 64      | 27      | 36                | 42        | 3       | 1      | 2,212                       | 36            |
| Managers.....         | 146             | 143       | 19      | 13      | 26                | 30        | 8       | 2      | 5,648                       | 181           |
| All tenants.....      | 2,897           | 3,194     | 415     | 416     | 353               | 372       | 36      | 36     | 16,421                      | 1,039         |
| Croppers.....         | 165             | 204       | 60      | 71      | 16                | 22        | 4       | 7      | 631                         | 162           |
| Maryland.....         | 37,936          | 39,518    | 5,267   | 4,804   | 4,029             | 4,088     | 346     | 295    | 232,299                     | 10,415        |
| Owners.....           | 27,882          | 28,755    | 2,941   | 2,720   | 2,592             | 2,595     | 108     | 93     | 153,352                     | 3,910         |
| Full owners.....      | 25,971          | 27,083    | 2,362   | 2,365   | 2,306             | 2,411     | 88      | 79     | 143,003                     | 3,353         |
| Part owners.....      | 1,911           | 1,722     | 579     | 355     | 226               | 184       | 20      | 13     | 10,349                      | 557           |
| Managers.....         | 819             | 805       | 120     | 42      | 207               | 222       | 22      | 8      | 21,062                      | 453           |
| All tenants.....      | 9,235           | 9,958     | 2,602   | 2,132   | 1,290             | 1,272     | 216     | 195    | 57,885                      | 6,053         |
| Croppers.....         | 1,049           | 1,061     | 597     | 600     | 144               | 115       | 47      | 47     | 5,588                       | 1,771         |
| Dist. of Col.....     | 93              | 77        | 11      | 12      | 3                 | 3         | (1)     | (1)    | 7,083                       | 100           |
| Owners.....           | 51              | 43        | 8       | 8       | 1                 | 1         | (1)     | (1)    | 1,650                       | 53            |
| Full owners.....      | 46              | 42        | 7       | 8       | 1                 | 1         | (1)     | (1)    | 1,638                       | 53            |
| Part owners.....      | 5               | 1         | 1       | 1       | (1)               | (1)       | (1)     | (1)    | 12                          | 12            |
| Managers.....         | 20              | 16        | 2       | 3       | (1)               | (1)       | (1)     | (1)    | 4,970                       | 30            |
| All tenants.....      | 22              | 18        | 2       | 3       | (1)               | (1)       | (1)     | (1)    | 463                         | 18            |
| Croppers.....         |                 |           |         |         |                   |           |         |        |                             |               |

1 Less than 500 acres.



No. 562.—NUMBER OF FARMS, LAND IN FARMS, AND VALUE OF LAND AND BUILDINGS: BY COLOR OF OPERATOR FOR THE NORTH AND WEST AND BY COLOR AND TENURE OF OPERATOR FOR THE SOUTH—Continued

(Acreage in thousands; value in thousands of dollars)

| Division and State         | Number of farms |         |         |         | All land in farms |        |         |        | Value of land and buildings |               |
|----------------------------|-----------------|---------|---------|---------|-------------------|--------|---------|--------|-----------------------------|---------------|
|                            | White           |         | Colored |         | White             |        | Colored |        | White, 1935                 | Colored, 1935 |
|                            | 1930            | 1935    | 1930    | 1935    | 1930              | 1935   | 1930    | 1935   |                             |               |
| <b>The South—Con.</b>      |                 |         |         |         |                   |        |         |        |                             |               |
| <b>S. Atlantic—Con.</b>    |                 |         |         |         |                   |        |         |        |                             |               |
| Virginia.....              | 130,987         | 154,421 | 39,678  | 43,211  | 14,683            | 15,007 | 2,046   | 2,038  | 546,663                     | 47,102        |
| Owners.....                | 96,056          | 110,477 | 24,448  | 27,602  | 11,067            | 11,870 | 1,183   | 1,129  | 417,947                     | 27,319        |
| Full owners.....           | 85,756          | 98,178  | 19,200  | 23,317  | 9,743             | 10,263 | 937     | 986    | 373,058                     | 22,920        |
| Part owners.....           | 10,900          | 12,304  | 5,248   | 4,345   | 1,324             | 1,607  | 246     | 198    | 44,889                      | 4,399         |
| Managers.....              | 1,459           | 1,070   | 77      | 87      | 632               | 590    | 23      | 13     | 29,596                      | 587           |
| All tenants.....           | 32,822          | 42,874  | 15,148  | 16,512  | 2,984             | 3,807  | 839     | 896    | 99,119                      | 19,280        |
| Croppers.....              | 10,466          | 12,137  | 6,797   | 8,102   | 980               | 726    | 284     | 290    | 20,847                      | 0,232         |
| West Virginia.....         | 82,150          | 104,054 | 491     | 693     | 8,774             | 9,395  | 28      | 28     | 236,505                     | 1,130         |
| Owners.....                | 68,200          | 76,622  | 373     | 511     | 7,127             | 7,293  | 19      | 19     | 185,843                     | 561           |
| Full owners.....           | 60,253          | 68,525  | 328     | 450     | 6,306             | 6,418  | 16      | 17     | 165,670                     | 607           |
| Part owners.....           | 5,947           | 8,097   | 45      | 55      | 822               | 875    | 3       | 2      | 20,176                      | 54            |
| Managers.....              | 714             | 586     | 7       | 7       | 256               | 229    | 1       | 2      | 8,584                       | 377           |
| All tenants.....           | 15,236          | 26,846  | 111     | 175     | 1,392             | 1,874  | 9       | 7      | 42,075                      | 202           |
| Croppers.....              | 1,811           | 3,032   | 23      | 11      | 174               | 223    | 1       | 1      | 5,154                       | 20            |
| North Carolina.....        | 202,335         | 231,594 | 76,873  | 60,373  | 14,663            | 16,767 | 3,393   | 3,169  | 524,072                     | 98,647        |
| Owners.....                | 124,734         | 137,798 | 19,711  | 20,373  | 10,090            | 11,093 | 982     | 948    | 339,859                     | 20,301        |
| Full owners.....           | 102,567         | 114,051 | 13,108  | 14,343  | 8,712             | 9,340  | 697     | 667    | 285,277                     | 18,361        |
| Part owners.....           | 19,167          | 23,687  | 6,513   | 6,030   | 1,378             | 1,753  | 285     | 281    | 54,582                      | 7,940         |
| Managers.....              | 625             | 683     | 23      | 15      | 249               | 348    | 6       | 5      | 13,179                      | 251           |
| All tenants.....           | 80,476          | 93,173  | 57,139  | 48,985  | 4,323             | 5,326  | 2,404   | 2,217  | 171,094                     | 72,065        |
| Croppers.....              | 34,286          | 36,392  | 34,805  | 30,001  | 1,303             | 1,690  | 1,212   | 1,104  | 67,533                      | 41,208        |
| South Carolina.....        | 80,866          | 88,967  | 77,425  | 76,537  | 7,221             | 8,841  | 3,172   | 3,489  | 215,687                     | 69,828        |
| Owners.....                | 38,478          | 43,648  | 15,992  | 18,394  | 4,440             | 5,071  | 788     | 795    | 120,560                     | 14,628        |
| Full owners.....           | 33,578          | 37,652  | 11,937  | 13,675  | 3,859             | 4,314  | 617     | 619    | 110,262                     | 11,144        |
| Part owners.....           | 4,900           | 5,996   | 4,055   | 4,719   | 582               | 757    | 171     | 176    | 19,298                      | 3,684         |
| Managers.....              | 622             | 617     | 71      | 19      | 416               | 557    | 21      | 11     | 12,822                      | 208           |
| All tenants.....           | 41,406          | 44,802  | 61,362  | 58,124  | 2,365             | 3,213  | 2,303   | 2,683  | 73,306                      | 54,793        |
| Croppers.....              | 17,893          | 16,001  | 31,046  | 30,237  | 759               | 839    | 1,061   | 1,148  | 20,550                      | 27,170        |
| Georgia.....               | 168,809         | 177,259 | 80,789  | 73,285  | 10,974            | 10,993 | 5,105   | 5,333  | 365,525                     | 74,231        |
| Owners.....                | 68,721          | 74,626  | 11,081  | 10,571  | 8,971             | 10,100 | 883     | 839    | 187,622                     | 11,485        |
| Full owners.....           | 61,582          | 66,952  | 9,014   | 8,905   | 7,944             | 8,912  | 726     | 689    | 165,899                     | 9,463         |
| Part owners.....           | 7,139           | 7,674   | 2,067   | 1,666   | 1,028             | 1,188  | 157     | 149    | 21,722                      | 2,022         |
| Managers.....              | 1,334           | 984     | 72      | 32      | 908               | 782    | 24      | 11     | 17,544                      | 497           |
| All tenants.....           | 98,754          | 101,649 | 75,636  | 62,682  | 7,095             | 9,081  | 4,196   | 4,483  | 150,359                     | 62,838        |
| Croppers.....              | 51,404          | 41,672  | 49,450  | 38,753  | 2,992             | 3,087  | 2,380   | 2,378  | 54,410                      | 37,696        |
| Florida.....               | 47,923          | 60,093  | 11,043  | 12,764  | 4,512             | 5,560  | 515     | 489    | 310,837                     | 10,241        |
| Owners.....                | 33,818          | 42,627  | 5,576   | 6,792   | 2,698             | 3,382  | 282     | 266    | 202,730                     | 5,738         |
| Full owners.....           | 31,126          | 40,027  | 4,359   | 5,724   | 2,395             | 2,876  | 223     | 218    | 188,713                     | 4,998         |
| Part owners.....           | 2,692           | 2,600   | 1,217   | 1,068   | 304               | 506    | 59      | 48     | 14,017                      | 770           |
| Managers.....              | 2,746           | 2,989   | 89      | 60      | 945               | 933    | 9       | 6      | 77,457                      | 821           |
| All tenants.....           | 11,359          | 14,477  | 5,378   | 5,922   | 868               | 1,245  | 224     | 217    | 30,660                      | 3,982         |
| Croppers.....              | 3,423           | 3,153   | 1,393   | 1,521   | 216               | 216    | 59      | 60     | 4,599                       | 1,230         |
| <b>East South Central.</b> |                 |         |         |         |                   |        |         |        |                             |               |
| Owners.....                | 741,255         | 834,292 | 320,959 | 302,927 | 60,886            | 68,067 | 11,931  | 11,034 | 1,681,412                   | 233,808       |
| Full owners.....           | 414,760         | 462,331 | 50,588  | 48,892  | 41,766            | 45,168 | 5,923   | 5,100  | 1,119,058                   | 51,278        |
| Part owners.....           | 358,174         | 400,798 | 39,420  | 39,445  | 36,381            | 39,388 | 2,874   | 2,649  | 980,038                     | 41,274        |
| Managers.....              | 2,586           | 61,593  | 11,168  | 9,447   | 5,384             | 5,780  | 649     | 646    | 139,021                     | 10,004        |
| All tenants.....           | 56,777          | 2,246   | 141     | 68      | 1,238             | 1,360  | 60      | 28     | 51,546                      | 1,321         |
| Croppers.....              | 323,748         | 369,056 | 270,230 | 253,907 | 17,883            | 21,549 | 8,368   | 7,810  | 510,808                     | 181,207       |
| Kentucky.....              | 130,742         | 131,113 | 150,239 | 158,265 | 4,873             | 5,014  | 3,660   | 3,837  | 126,721                     | 108,563       |
| Owners.....                | 237,395         | 270,048 | 9,104   | 8,250   | 19,585            | 20,395 | 342     | 303    | 610,710                     | 9,609         |
| Full owners.....           | 163,228         | 170,609 | 4,176   | 4,052   | 14,428            | 14,744 | 183     | 168    | 440,067                     | 4,634         |
| Part owners.....           | 132,160         | 145,828 | 3,055   | 3,157   | 12,580            | 12,823 | 138     | 133    | 387,303                     | 3,568         |
| Managers.....              | 21,068          | 24,781  | 1,120   | 895     | 1,843             | 1,921  | 45      | 35     | 52,764                      | 1,006         |
| All tenants.....           | 660             | 411     | 16      | 11      | 193               | 171    | 3       | 6      | 12,376                      | 423           |
| Croppers.....              | 83,507          | 99,023  | 4,914   | 4,187   | 4,964             | 5,480  | 166     | 129    | 158,206                     | 4,042         |
| Tennessee.....             | 27,134          | 30,258  | 3,116   | 2,756   | 1,007             | 1,009  | 74      | 60     | 30,973                      | 2,404         |
| Owners.....                | 210,519         | 239,387 | 35,138  | 34,396  | 16,646            | 17,804 | 1,367   | 1,282  | 521,181                     | 34,509        |
| Full owners.....           | 123,694         | 138,553 | 7,832   | 7,843   | 11,310            | 11,787 | 419     | 381    | 349,971                     | 8,839         |
| Part owners.....           | 104,166         | 118,889 | 5,687   | 6,151   | 9,569             | 10,129 | 310     | 296    | 604,239                     | 6,731         |
| Managers.....              | 19,528          | 19,964  | 2,145   | 1,692   | 1,741             | 1,658  | 109     | 86     | 45,732                      | 2,106         |
| All tenants.....           | 577             | 472     | 34      | 8       | 200               | 192    | 6       | 1      | 11,362                      | 86            |
| Croppers.....              | 88,248          | 100,062 | 27,272  | 26,545  | 5,136             | 5,826  | 932     | 899    | 159,848                     | 25,644        |
| Full owners.....           | 33,745          | 35,381  | 16,559  | 16,096  | 1,321             | 1,338  | 442     | 417    | 41,729                      | 12,885        |

No. 562.—NUMBER OF FARMS, LAND IN FARMS, AND VALUE OF LAND AND BUILDINGS: BY COLOR OF OPERATOR FOR THE NORTH AND WEST AND BY COLOR AND TENURE OF OPERATOR FOR THE SOUTH, BY STATES—Continued

[Acreage in thousands; value in thousands of dollars]

| Division and State        | Number of farms |         |         |         | All land in farms |         |         |       | Value of land and buildings |               |
|---------------------------|-----------------|---------|---------|---------|-------------------|---------|---------|-------|-----------------------------|---------------|
|                           | White           |         | Colored |         | White             |         | Colored |       | White, 1935                 | Colored, 1935 |
|                           | 1930            | 1935    | 1930    | 1935    | 1930              | 1935    | 1930    | 1935  |                             |               |
| <b>The South—Con.</b>     |                 |         |         |         |                   |         |         |       |                             |               |
| <b>E. S. Con.—Con.</b>    |                 |         |         |         |                   |         |         |       |                             |               |
| Alabama.....              | 163,566         | 182,180 | 93,829  | 91,275  | 13,306            | 15,757  | 4,159   | 3,904 | 304,913                     | 63,306        |
| Owners.....               | 74,441          | 80,983  | 15,931  | 15,709  | 8,214             | 9,132   | 1,190   | 1,084 | 172,202                     | 15,907        |
| Full owners.....          | 63,727          | 69,967  | 11,417  | 11,657  | 7,030             | 7,801   | 917     | 827   | 145,884                     | 11,941        |
| Part owners.....          | 10,714          | 11,016  | 4,514   | 4,052   | 1,184             | 1,331   | 273     | 227   | 26,318                      | 3,966         |
| Managers.....             | 580             | 492     | 23      | 24      | 313               | 299     | 14      | 15    | 8,626                       | 523           |
| All tenants.....          | 88,545          | 100,705 | 77,876  | 75,542  | 4,864             | 6,265   | 2,855   | 2,835 | 124,085                     | 46,872        |
| Croppers.....             | 37,562          | 34,717  | 27,672  | 33,257  | 1,627             | 1,675   | 938     | 1,106 | 33,467                      | 19,935        |
| Mississippi.....          | 120,775         | 142,677 | 182,888 | 169,006 | 11,259            | 14,110  | 6,073   | 5,545 | 244,607                     | 126,231       |
| Owners.....               | 63,397          | 71,936  | 22,660  | 21,288  | 7,814             | 9,505   | 1,731   | 1,593 | 166,819                     | 21,898        |
| Full owners.....          | 58,121          | 66,114  | 19,261  | 18,480  | 7,203             | 8,636   | 1,509   | 1,393 | 142,612                     | 19,034        |
| Part owners.....          | 5,276           | 5,822   | 3,399   | 2,808   | 611               | 869     | 221     | 199   | 14,206                      | 2,864         |
| Managers.....             | 930             | 870     | 60      | 25      | 526               | 656     | 27      | 6     | 19,181                      | 284           |
| All tenants.....          | 65,448          | 69,871  | 100,169 | 147,693 | 2,919             | 3,948   | 4,315   | 3,947 | 68,608                      | 104,049       |
| Croppers.....             | 32,301          | 30,767  | 102,092 | 106,156 | 970               | 1,040   | 2,206   | 2,254 | 20,553                      | 73,329        |
| <b>West South Central</b> |                 |         |         |         |                   |         |         |       |                             |               |
| Owens.....                | 840,785         | 906,347 | 982,949 | 281,224 | 178,690           | 191,459 | 11,918  | 9,680 | 3,788,656                   | 941,047       |
| Owners.....               | 359,409         | 405,567 | 50,928  | 49,744  | 89,462            | 102,775 | 3,698   | 3,236 | 2,009,164                   | 65,924        |
| Full owners.....          | 285,627         | 330,787 | 40,362  | 41,504  | 58,119            | 66,251  | 2,822   | 2,627 | 1,393,308                   | 53,123        |
| Part owners.....          | 73,842          | 74,780  | 10,566  | 8,240   | 31,344            | 36,524  | 876     | 609   | 615,856                     | 12,801        |
| Managers.....             | 5,297           | 5,293   | 209     | 97      | 22,417            | 20,059  | 107     | 94    | 280,891                     | 2,034         |
| All tenants.....          | 476,019         | 495,517 | 211,212 | 181,383 | 90,811            | 68,624  | 7,411   | 6,359 | 1,518,600                   | 173,090       |
| Croppers.....             | 132,162         | 103,083 | 118,487 | 102,847 | 8,478             | 6,589   | 3,231   | 2,900 | 192,736                     | 86,480        |
| Arkansas.....             | 102,755         | 181,713 | 79,579  | 71,300  | 13,565            | 15,511  | 2,488   | 2,231 | 313,873                     | 62,214        |
| Owners.....               | 77,554          | 89,319  | 11,455  | 11,343  | 8,285             | 9,138   | 705     | 670   | 175,354                     | 13,023        |
| Full owners.....          | 63,539          | 76,267  | 9,058   | 9,628   | 6,713             | 7,659   | 561     | 560   | 144,818                     | 11,001        |
| Part owners.....          | 14,015          | 13,052  | 2,397   | 1,715   | 1,573             | 1,479   | 144     | 110   | 30,516                      | 2,022         |
| Managers.....             | 611             | 875     | 23      | 23      | 285               | 413     | 7       | 7     | 14,436                      | 241           |
| All tenants.....          | 84,500          | 91,819  | 68,101  | 59,040  | 4,995             | 5,960   | 1,776   | 1,514 | 124,105                     | 48,950        |
| Croppers.....             | 29,509          | 24,625  | 45,465  | 40,978  | 1,055             | 920     | 961     | 856   | 23,362                      | 30,490        |
| Louisiana.....            | 87,676          | 99,001  | 73,770  | 70,315  | 7,040             | 8,239   | 2,315   | 2,205 | 233,811                     | 61,705        |
| Owners.....               | 42,656          | 50,481  | 10,503  | 10,839  | 4,158             | 4,809   | 603     | 544   | 138,093                     | 11,640        |
| Full owners.....          | 38,107          | 45,617  | 8,786   | 9,274   | 3,595             | 4,198   | 513     | 477   | 117,723                     | 9,707         |
| Part owners.....          | 4,549           | 4,864   | 1,717   | 1,565   | 562               | 672     | 90      | 67    | 20,371                      | 1,933         |
| Managers.....             | 681             | 490     | 54      | 20      | 850               | 749     | 20      | 5     | 20,232                      | 313           |
| All tenants.....          | 44,338          | 48,921  | 63,213  | 59,456  | 2,026             | 2,621   | 1,692   | 1,656 | 75,485                      | 49,752        |
| Croppers.....             | 17,214          | 16,706  | 32,214  | 33,513  | 535               | 598     | 718     | 755   | 18,243                      | 25,584        |
| Oklahoma.....             | 180,929         | 195,501 | 22,937  | 17,824  | 31,825            | 33,933  | 1,966   | 1,402 | 767,331                     | 27,064        |
| Owners.....               | 69,380          | 75,127  | 8,334   | 6,762   | 15,567            | 16,615  | 915     | 645   | 387,183                     | 13,071        |
| Full owners.....          | 47,097          | 53,226  | 6,550   | 5,570   | 7,244             | 8,094   | 623     | 464   | 220,209                     | 9,954         |
| Part owners.....          | 22,283          | 21,901  | 1,784   | 1,192   | 8,313             | 8,521   | 291     | 181   | 166,974                     | 3,117         |
| Managers.....             | 779             | 769     | 44      | 16      | 943               | 1,156   | 43      | 13    | 16,780                      | 824           |
| All tenants.....          | 110,770         | 119,615 | 14,559  | 11,046  | 15,325            | 16,162  | 1,008   | 744   | 353,397                     | 13,969        |
| Croppers.....             | 16,495          | 10,959  | 4,580   | 2,681   | 1,529             | 1,014   | 218     | 112   | 25,876                      | 2,673         |
| Texas.....                | 409,426         | 429,232 | 86,063  | 71,785  | 120,260           | 133,776 | 4,447   | 3,822 | 2,483,640                   | 90,065        |
| Owners.....               | 189,879         | 190,040 | 20,636  | 20,800  | 61,403            | 72,153  | 1,475   | 1,378 | 1,308,554                   | 28,191        |
| Full owners.....          | 136,884         | 155,677 | 15,968  | 17,032  | 40,567            | 46,301  | 1,125   | 1,127 | 910,558                     | 22,462        |
| Part owners.....          | 32,095          | 34,363  | 4,668   | 3,768   | 20,895            | 25,852  | 350     | 251   | 397,996                     | 5,729         |
| Managers.....             | 3,226           | 3,430   | 88      | 44      | 20,333            | 17,740  | 37      | 69    | 209,444                     | 1,155         |
| All tenants.....          | 236,321         | 235,162 | 65,339  | 50,941  | 38,464            | 43,882  | 2,935   | 2,375 | 965,642                     | 60,719        |
| Croppers.....             | 68,874          | 60,793  | 36,248  | 25,675  | 4,057             | 3,568   | 1,334   | 917   | 125,255                     | 27,740        |
| <b>Mountain</b>           |                 |         |         |         |                   |         |         |       |                             |               |
| Montana.....              | 330,391         | 357,432 | 10,923  | 13,960  | 156,446           | 172,779 | 1,004   | 1,102 | 1,748,331                   | 98,108        |
| Owners.....               | 46,811          | 48,797  | 1,184   | 1,767   | 44,260            | 46,953  | 399     | 559   | 370,922                     | 4,919         |
| Full owners.....          | 40,776          | 44,343  | 698     | 970     | 9,250             | 9,896   | 43      | 57    | 304,192                     | 3,203         |
| Part owners.....          | 15,748          | 17,178  | 263     | 309     | 23,483            | 26,132  | 43      | 50    | 30,619                      | 755           |
| Managers.....             | 59,355          | 63,172  | 601     | 472     | 28,795            | 29,916  | 52      | 62    | 415,895                     | 2,862         |
| All tenants.....          | 28,050          | 37,177  | 3,346   | 4,192   | 30,578            | 34,170  | 244     | 227   | 166,044                     | 4,107         |
| Croppers.....             | 10,220          | 13,315  | 3,953   | 5,609   | 10,408            | 18,903  | 119     | 115   | 124,823                     | 7,826         |
| Managers.....             | 26,591          | 30,170  | 568     | 525     | 5,574             | 6,205   | 36      | 31    | 156,475                     | 1,820         |
| All tenants.....          | 3,181           | 3,280   | 311     | 416     | 4,000             | 3,600   | 21      | 21    | 41,963                      | 606           |
| <b>Pacific</b>            |                 |         |         |         |                   |         |         |       |                             |               |
| Washington.....           | 254,228         | 290,386 | 7,504   | 9,181   | 59,993            | 81,928  | 532     | 548   | 3,246,776                   | 78,103        |
| Owners.....               | 69,555          | 82,861  | 1,349   | 1,520   | 13,404            | 14,548  | 129     | 132   | 543,938                     | 6,782         |
| Full owners.....          | 54,470          | 64,558  | 683     | 768     | 16,476            | 17,275  | 73      | 82    | 445,140                     | 3,672         |
| Part owners.....          | 130,204         | 143,467 | 5,472   | 6,893   | 30,112            | 30,104  | 330     | 334   | 2,257,698                   | 67,748        |

Source: Bureau of the Census, Department of Commerce.

# No. 563.—MORTGAGE STATUS OF FARMS OWNED WHOLLY OR IN PART BY THE OPERATOR: BY STATES

NOTE.—The number of all owned farms includes farms with mortgage status not reported, which constituted 9.9 per cent of the owned farms in 1920 and 6.3 per cent in 1930. The 1925 schedule called only for the amount of mortgages on farms

| Division and State      | All owned farms (number) |           |           | Free from mortgage (number) |           | Mortgaged (number) |           |           |
|-------------------------|--------------------------|-----------|-----------|-----------------------------|-----------|--------------------|-----------|-----------|
|                         | 1920                     | 1925      | 1930      | 1920                        | 1930      | 1920               | 1925      | 1930      |
| United States.....      | 3,925,090                | 3,668,332 | 3,668,394 | 2,074,326                   | 1,845,997 | 1,461,306          | 1,395,026 | 1,497,706 |
| New England.....        | 140,160                  | 148,159   | 114,104   | 80,412                      | 58,788    | 53,138             | 49,864    | 49,075    |
| Maine.....              | 45,437                   | 47,984    | 36,748    | 30,665                      | 22,535    | 13,023             | 11,925    | 11,033    |
| New Hampshire.....      | 18,604                   | 19,896    | 13,755    | 11,992                      | 7,704     | 5,389              | 4,716     | 4,025     |
| Vermont.....            | 25,121                   | 24,839    | 22,009    | 12,132                      | 9,945     | 12,225             | 10,850    | 11,034    |
| Massachusetts.....      | 28,097                   | 30,870    | 28,198    | 14,055                      | 9,961     | 12,632             | 12,248    | 12,150    |
| Rhode Island.....       | 8,245                    | 8,263     | 2,808     | 1,971                       | 1,619     | 949                | 946       | 1,026     |
| Connecticut.....        | 19,866                   | 21,258    | 15,596    | 9,597                       | 7,024     | 8,920              | 9,179     | 7,048     |
| Middle Atlantic.....    | 327,104                  | 348,179   | 299,095   | 179,326                     | 163,718   | 125,216            | 110,810   | 120,417   |
| New York.....           | 151,717                  | 159,949   | 136,041   | 75,522                      | 68,788    | 66,633             | 61,005    | 61,546    |
| New Jersey.....         | 21,889                   | 24,535    | 20,771    | 10,000                      | 9,316     | 10,085             | 10,118    | 10,603    |
| Pennsylvania.....       | 153,498                  | 163,695   | 142,283   | 93,804                      | 85,616    | 48,498             | 38,787    | 48,208    |
| East North Central..... | 768,738                  | 771,876   | 698,893   | 382,771                     | 342,455   | 326,313            | 305,046   | 318,198   |
| Ohio.....               | 177,958                  | 181,347   | 159,549   | 110,004                     | 94,179    | 50,784             | 47,800    | 56,088    |
| Indiana.....            | 137,210                  | 137,429   | 125,617   | 78,233                      | 61,731    | 51,474             | 49,000    | 55,008    |
| Illinois.....           | 132,574                  | 129,074   | 118,892   | 68,892                      | 62,900    | 51,039             | 45,814    | 49,460    |
| Michigan.....           | 159,406                  | 161,974   | 141,647   | 72,869                      | 68,046    | 78,768             | 70,853    | 68,073    |
| Wisconsin.....          | 158,610                  | 162,052   | 146,087   | 57,773                      | 55,509    | 94,258             | 90,610    | 88,050    |
| West North Central..... | 711,158                  | 685,797   | 661,115   | 278,906                     | 271,396   | 368,158            | 350,991   | 361,566   |
| Minnesota.....          | 132,744                  | 136,382   | 126,570   | 54,086                      | 53,839    | 69,545             | 60,319    | 68,070    |
| Iowa.....               | 121,888                  | 116,444   | 111,333   | 45,807                      | 41,371    | 66,096             | 64,781    | 64,425    |
| Missouri.....           | 185,080                  | 174,383   | 166,318   | 82,099                      | 80,050    | 85,538             | 70,970    | 80,184    |
| North Dakota.....       | 56,917                   | 49,513    | 50,105    | 12,833                      | 14,124    | 40,462             | 31,602    | 33,500    |
| South Dakota.....       | 47,815                   | 46,160    | 45,609    | 16,037                      | 15,394    | 27,262             | 28,813    | 27,287    |
| Nebraska.....           | 69,672                   | 67,766    | 67,418    | 27,065                      | 24,893    | 35,191             | 38,279    | 38,061    |
| Kansas.....             | 97,090                   | 95,149    | 94,762    | 40,979                      | 41,728    | 44,064             | 44,227    | 40,070    |
| South Atlantic.....     | 607,089                  | 609,304   | 539,830   | 408,804                     | 350,970   | 118,026            | 126,838   | 145,885   |
| Delaware.....           | 6,010                    | 6,515     | 6,260     | 3,504                       | 3,470     | 2,018              | 1,748     | 2,407     |
| Maryland.....           | 32,806                   | 35,138    | 30,823    | 19,292                      | 17,575    | 11,389             | 10,613    | 11,048    |
| Dist. of Columbia.....  | 100                      | 81        | 59        | 53                          | 35        | 29                 | 19        | 20        |
| Virginia.....           | 136,363                  | 143,587   | 121,104   | 98,470                      | 87,031    | 24,331             | 27,075    | 27,614    |
| West Virginia.....      | 72,101                   | 74,943    | 66,572    | 52,617                      | 49,259    | 10,274             | 9,104     | 11,557    |
| North Carolina.....     | 151,376                  | 154,805   | 141,445   | 102,950                     | 80,364    | 24,499             | 20,918    | 30,232    |
| South Carolina.....     | 67,724                   | 56,960    | 54,470    | 42,847                      | 32,222    | 14,289             | 15,521    | 18,320    |
| Georgia.....            | 102,123                  | 88,680    | 79,802    | 64,061                      | 46,479    | 23,135             | 24,083    | 25,417    |
| Florida.....            | 38,487                   | 45,586    | 39,394    | 25,010                      | 25,535    | 8,102              | 8,867     | 9,720     |
| East South Central..... | 525,808                  | 497,825   | 485,348   | 339,312                     | 282,467   | 124,723            | 119,981   | 144,803   |
| Kentucky.....           | 179,327                  | 175,442   | 157,408   | 116,613                     | 103,780   | 40,615             | 34,688    | 38,180    |
| Tennessee.....          | 148,082                  | 148,627   | 131,626   | 105,128                     | 87,010    | 32,264             | 30,703    | 34,415    |
| Alabama.....            | 107,089                  | 92,948    | 90,372    | 64,498                      | 47,405    | 27,854             | 27,790    | 36,417    |
| Mississippi.....        | 91,310                   | 80,808    | 86,047    | 53,073                      | 44,271    | 23,990             | 25,760    | 35,701    |
| West South Central..... | 464,328                  | 412,064   | 410,397   | 236,932                     | 209,049   | 162,738            | 147,212   | 165,398   |
| Arkansas.....           | 112,647                  | 95,470    | 89,009    | 64,881                      | 47,494    | 33,990             | 31,419    | 33,702    |
| Louisiana.....          | 97,254                   | 52,368    | 53,159    | 36,010                      | 30,339    | 11,783             | 14,424    | 17,800    |
| Oklahoma.....           | 93,217                   | 81,226    | 77,714    | 30,551                      | 31,776    | 47,025             | 39,263    | 38,558    |
| Texas.....              | 201,210                  | 182,976   | 190,516   | 105,490                     | 99,440    | 69,940             | 62,106    | 75,458    |
| Mountain.....           | 202,515                  | 179,198   | 178,898   | 88,731                      | 77,774    | 97,038             | 84,939    | 85,279    |
| Montana.....            | 50,271                   | 36,281    | 36,353    | 16,365                      | 14,498    | 29,897             | 19,818    | 18,992    |
| Idaho.....              | 34,647                   | 30,196    | 30,512    | 11,872                      | 11,466    | 20,060             | 16,509    | 17,418    |
| Wyoming.....            | 13,403                   | 12,545    | 12,195    | 6,816                       | 4,772     | 5,513              | 6,088     | 6,493     |
| Colorado.....           | 45,261                   | 39,517    | 38,426    | 20,965                      | 15,741    | 21,131             | 20,997    | 20,016    |
| New Mexico.....         | 25,756                   | 26,005    | 24,740    | 16,650                      | 15,655    | 6,257              | 6,897     | 6,727     |
| Arizona.....            | 7,869                    | 8,179     | 11,294    | 3,708                       | 4,822     | 3,380              | 3,276     | 3,066     |
| Utah.....               | 22,579                   | 23,013    | 23,608    | 10,756                      | 9,488     | 9,916              | 10,190    | 11,877    |
| Nevada.....             | 2,699                    | 3,463     | 2,770     | 1,599                       | 1,332     | 884                | 1,164     | 1,150     |
| Pacific.....            | 180,144                  | 218,930   | 205,615   | 79,131                      | 88,380    | 85,956             | 99,395    | 106,555   |
| Washington.....         | 52,701                   | 60,389    | 57,588    | 25,012                      | 25,774    | 24,004             | 27,604    | 28,831    |
| Oregon.....             | 39,863                   | 45,887    | 44,521    | 13,077                      | 19,754    | 17,843             | 20,900    | 23,070    |
| California.....         | 87,580                   | 109,654   | 103,506   | 30,042                      | 43,862    | 44,100             | 50,891    | 54,654    |

Source: Bureau of the Census, Department of Commerce.

# No. 564.—MORTGAGE DEBT OF FARMS OWNED WHOLLY BY THE OPERATOR: By STATES

NOTE.—This table does not include farms operated by managers or tenants or consisting in part of rented land

| Division and State   | Farms operated by full owners reporting amount of mortgage debt |             |             |                                                       |              |              |                                            |             |             |
|----------------------|-----------------------------------------------------------------|-------------|-------------|-------------------------------------------------------|--------------|--------------|--------------------------------------------|-------------|-------------|
|                      | Number of farms                                                 |             |             | Value of land and buildings<br>(thousands of dollars) |              |              | Amount of debt (thou-<br>sands of dollars) |             |             |
|                      | 1920                                                            | 1925        | 1930        | 1920                                                  | 1925         | 1930         | 1920                                       | 1925        | 1930        |
| United States.....   | 1, 193, 047                                                     | 1, 128, 207 | 1, 145, 737 | 13, 775, 500                                          | 10, 780, 244 | 10, 807, 732 | 4, 003, 767                                | 4, 517, 258 | 4, 080, 176 |
| New England.....     | 49, 456                                                         | 47, 817     | 45, 760     | 271, 163                                              | 272, 789     | 323, 653     | 91, 756                                    | 109, 861    | 117, 387    |
| Maine.....           | 12, 345                                                         | 11, 632     | 11, 198     | 58, 427                                               | 56, 644      | 66, 734      | 18, 592                                    | 24, 619     | 22, 530     |
| New Hampshire.....   | 4, 951                                                          | 4, 591      | 4, 543      | 20, 274                                               | 19, 264      | 22, 706      | 9, 821                                     | 7, 209      | 8, 200      |
| Vermont.....         | 11, 504                                                         | 10, 431     | 10, 884     | 61, 071                                               | 51, 882      | 61, 755      | 23, 576                                    | 24, 057     | 26, 376     |
| Massachusetts.....   | 11, 663                                                         | 11, 060     | 11, 025     | 70, 745                                               | 76, 362      | 94, 302      | 23, 412                                    | 28, 402     | 34, 060     |
| Rhode Island.....    | 856                                                             | 869         | 892         | 4, 865                                                | 5, 185       | 7, 992       | 1, 494                                     | 1, 971      | 2, 655      |
| Connecticut.....     | 8, 137                                                          | 8, 034      | 7, 218      | 55, 781                                               | 61, 431      | 70, 164      | 17, 861                                    | 23, 102     | 23, 557     |
| Middle Atlantic..... | 113, 441                                                        | 104, 317    | 109, 945    | 711, 868                                              | 698, 005     | 853, 011     | 258, 337                                   | 288, 334    | 333, 001    |
| New York.....        | 59, 735                                                         | 57, 245     | 55, 110     | 388, 114                                              | 397, 889     | 435, 198     | 145, 533                                   | 165, 622    | 170, 460    |
| New Jersey.....      | 9, 286                                                          | 9, 824      | 9, 920      | 87, 176                                               | 81, 964      | 106, 900     | 25, 123                                    | 31, 893     | 39, 797     |
| Pennsylvania.....    | 44, 410                                                         | 37, 248     | 44, 915     | 250, 577                                              | 216, 162     | 310, 943     | 87, 741                                    | 88, 818     | 122, 744    |
| East N. Central..... | 274, 347                                                        | 255, 246    | 251, 907    | 2, 959, 228                                           | 2, 290, 825  | 1, 114, 502  | 922, 261                                   | 1, 011, 942 | 950, 569    |
| Ohio.....            | 43, 008                                                         | 41, 110     | 45, 628     | 387, 185                                              | 307, 622     | 333, 723     | 121, 121                                   | 134, 738    | 143, 090    |
| Indiana.....         | 40, 416                                                         | 38, 734     | 41, 210     | 439, 153                                              | 300, 320     | 278, 868     | 105, 256                                   | 119, 621    | 112, 186    |
| Illinois.....        | 30, 003                                                         | 31, 354     | 32, 226     | 775, 395                                              | 535, 833     | 454, 764     | 197, 212                                   | 218, 544    | 199, 220    |
| Michigan.....        | 67, 119                                                         | 60, 707     | 55, 063     | 420, 108                                              | 351, 799     | 339, 457     | 144, 103                                   | 149, 683    | 141, 035    |
| Wisconsin.....       | 87, 081                                                         | 83, 341     | 77, 180     | 937, 385                                              | 796, 252     | 707, 682     | 354, 574                                   | 389, 356    | 355, 030    |
| West N. Central..... | 260, 281                                                        | 239, 431    | 238, 199    | 5, 414, 232                                           | 3, 660, 025  | 2, 066, 693  | 1, 437, 337                                | 1, 648, 124 | 1, 288, 834 |
| Minnesota.....       | 57, 685                                                         | 52, 184     | 40, 667     | 925, 963                                              | 612, 428     | 526, 964     | 254, 475                                   | 267, 027    | 235, 114    |
| Iowa.....            | 52, 941                                                         | 49, 744     | 47, 051     | 1, 814, 260                                           | 1, 272, 036  | 934, 084     | 489, 817                                   | 626, 629    | 452, 908    |
| Missouri.....        | 68, 784                                                         | 59, 494     | 58, 113     | 752, 005                                              | 493, 793     | 413, 926     | 216, 463                                   | 220, 265    | 187, 864    |
| North Dakota.....    | 22, 623                                                         | 15, 567     | 13, 983     | 380, 133                                              | 200, 640     | 158, 460     | 108, 285                                   | 82, 411     | 60, 444     |
| South Dakota.....    | 14, 039                                                         | 13, 611     | 11, 157     | 411, 837                                              | 234, 807     | 166, 808     | 89, 875                                    | 100, 306    | 64, 369     |
| Nebraska.....        | 23, 086                                                         | 23, 631     | 22, 713     | 705, 561                                              | 612, 906     | 444, 850     | 108, 508                                   | 215, 256    | 172, 343    |
| Kansas.....          | 26, 923                                                         | 25, 270     | 25, 515     | 424, 469                                              | 333, 506     | 321, 601     | 109, 914                                   | 130, 231    | 113, 807    |
| South Atlantic.....  | 103, 039                                                        | 113, 567    | 122, 943    | 652, 812                                              | 870, 900     | 688, 262     | 192, 669                                   | 249, 235    | 241, 605    |
| Delaware.....        | 1, 063                                                          | 1, 723      | 2, 199      | 11, 422                                               | 9, 874       | 14, 137      | 4, 460                                     | 4, 326      | 5, 617      |
| Maryland.....        | 10, 407                                                         | 10, 118     | 10, 524     | 75, 082                                               | 69, 717      | 83, 644      | 27, 481                                    | 29, 575     | 32, 864     |
| Dist. of Col.....    | 24                                                              | 16          | 17          | 238                                                   | 222          | 383          | 93                                         | 77          | 89          |
| Virginia.....        | 21, 155                                                         | 24, 269     | 23, 282     | 151, 685                                              | 150, 208     | 169, 080     | 41, 726                                    | 55, 890     | 53, 425     |
| West Virginia.....   | 9, 031                                                          | 8, 409      | 10, 292     | 43, 989                                               | 38, 533      | 52, 207      | 11, 206                                    | 13, 828     | 16, 261     |
| North Carolina.....  | 20, 149                                                         | 24, 983     | 31, 065     | 103, 282                                              | 119, 996     | 133, 557     | 31, 968                                    | 43, 621     | 49, 671     |
| South Carolina.....  | 12, 265                                                         | 13, 669     | 15, 185     | 92, 053                                               | 80, 251      | 66, 015      | 25, 153                                    | 32, 554     | 26, 447     |
| Georgia.....         | 20, 797                                                         | 22, 024     | 21, 992     | 124, 579                                              | 122, 228     | 89, 402      | 37, 671                                    | 51, 076     | 53, 624     |
| Florida.....         | 7, 308                                                          | 8, 356      | 8, 437      | 50, 681                                               | 70, 877      | 70, 857      | 12, 910                                    | 18, 279     | 21, 607     |
| East S. Central..... | 109, 619                                                        | 103, 782    | 120, 346    | 570, 595                                              | 482, 813     | 496, 077     | 176, 102                                   | 202, 449    | 186, 694    |
| Kentucky.....        | 35, 631                                                         | 29, 782     | 31, 471     | 230, 557                                              | 150, 923     | 163, 603     | 67, 116                                    | 65, 403     | 62, 778     |
| Tennessee.....       | 27, 496                                                         | 25, 770     | 27, 673     | 159, 001                                              | 131, 288     | 126, 553     | 49, 836                                    | 53, 890     | 49, 750     |
| Alabama.....         | 24, 748                                                         | 23, 659     | 29, 617     | 81, 889                                               | 79, 641      | 94, 205      | 29, 103                                    | 33, 323     | 37, 422     |
| Mississippi.....     | 21, 844                                                         | 24, 571     | 31, 585     | 99, 149                                               | 121, 061     | 98, 716      | 30, 046                                    | 49, 829     | 36, 734     |
| West S. Central..... | 131, 550                                                        | 117, 523    | 122, 321    | 1, 134, 848                                           | 924, 782     | 952, 891     | 304, 632                                   | 345, 423    | 322, 234    |
| Arkansas.....        | 29, 604                                                         | 26, 489     | 26, 069     | 129, 348                                              | 115, 471     | 92, 693      | 38, 539                                    | 46, 283     | 35, 388     |
| Louisiana.....       | 10, 301                                                         | 12, 955     | 14, 983     | 68, 362                                               | 70, 564      | 70, 068      | 20, 491                                    | 30, 270     | 26, 675     |
| Oklahoma.....        | 34, 045                                                         | 27, 366     | 24, 097     | 272, 616                                              | 184, 013     | 181, 340     | 73, 434                                    | 73, 079     | 60, 932     |
| Texas.....           | 57, 700                                                         | 50, 710     | 56, 572     | 664, 523                                              | 554, 735     | 608, 682     | 172, 167                                   | 195, 790    | 199, 230    |
| Mountain.....        | 74, 118                                                         | 88, 868     | 55, 714     | 927, 908                                              | 543, 823     | 559, 443     | 253, 424                                   | 234, 899    | 208, 919    |
| Montana.....         | 21, 244                                                         | 11, 754     | 9, 612      | 240, 550                                              | 95, 174      | 92, 696      | 77, 950                                    | 42, 565     | 36, 599     |
| Idaho.....           | 17, 142                                                         | 12, 997     | 13, 210     | 223, 649                                              | 121, 917     | 128, 334     | 69, 868                                    | 54, 912     | 50, 225     |
| Wyoming.....         | 3, 637                                                          | 3, 653      | 3, 721      | 55, 610                                               | 33, 654      | 38, 177      | 15, 303                                    | 14, 865     | 12, 782     |
| Colorado.....        | 15, 735                                                         | 14, 444     | 12, 065     | 211, 701                                              | 144, 065     | 127, 163     | 62, 623                                    | 61, 408     | 48, 855     |
| New Mexico.....      | 4, 331                                                          | 4, 828      | 3, 623      | 43, 085                                               | 31, 215      | 32, 748      | 11, 178                                    | 11, 579     | 10, 025     |
| Arizona.....         | 2, 876                                                          | 2, 628      | 2, 775      | 50, 453                                               | 36, 330      | 37, 254      | 15, 648                                    | 13, 321     | 11, 618     |
| Utah.....            | 8, 086                                                          | 7, 996      | 9, 135      | 84, 678                                               | 59, 172      | 82, 583      | 24, 335                                    | 26, 164     | 28, 741     |
| Nevada.....          | 767                                                             | 1, 068      | 973         | 18, 281                                               | 22, 296      | 20, 483      | 6, 519                                     | 10, 084     | 8, 074      |
| Pacific.....         | 71, 196                                                         | 87, 156     | 88, 602     | 1, 132, 848                                           | 1, 248, 296  | 1, 363, 400  | 337, 184                                   | 435, 493    | 434, 943    |
| Washington.....      | 19, 503                                                         | 23, 412     | 23, 813     | 202, 018                                              | 190, 425     | 221, 341     | 61, 121                                    | 74, 212     | 72, 303     |
| Oregon.....          | 14, 355                                                         | 17, 393     | 18, 183     | 166, 663                                              | 174, 196     | 186, 174     | 51, 999                                    | 65, 592     | 64, 117     |
| California.....      | 37, 338                                                         | 46, 351     | 46, 606     | 764, 166                                              | 874, 675     | 955, 885     | 224, 064                                   | 295, 689    | 298, 523    |

Source: Bureau of the Census, Department of Commerce.

## No. 565.—MORTGAGE STATUS OF FARMS OWNED BY OPERATOR

| Item                                                                        | 1900 <sup>1</sup> | 1910         | 1920         | 1925             | 1930         |
|-----------------------------------------------------------------------------|-------------------|--------------|--------------|------------------|--------------|
| <b>FARMS OWNED WHOLLY OR IN PART BY THE OPERATOR</b>                        |                   |              |              |                  |              |
| Total number.....                                                           | 3, 638, 403       | 3, 648, 722  | 3, 925, 090  | 3, 968, 332      | 3, 668, 394  |
| Reported as free from mortgage.....                                         | 2, 419, 180       | 2, 688, 596  | 2, 074, 325  | ( <sup>2</sup> ) | 1, 845, 967  |
| Reported as mortgaged.....                                                  | 1, 093, 164       | 1, 312, 034  | 1, 461, 306  | 31, 305, 026     | 1, 497, 706  |
| Unknown (no report).....                                                    | 126, 059          | 48, 092      | 389, 459     | ( <sup>2</sup> ) | 224, 731     |
| Percent of total:                                                           |                   |              |              |                  |              |
| Free from mortgage.....                                                     | 66.5              | 65.6         | 52.8         | ( <sup>2</sup> ) | 51.7         |
| Reported as mortgaged.....                                                  | 30.0              | 33.2         | 37.2         | 36.1             | 42.0         |
| Unknown (no report).....                                                    | 3.6               | 1.2          | 9.9          | ( <sup>2</sup> ) | 6.3          |
| <b>FARMS OWNED WHOLLY BY THE OPERATOR</b>                                   |                   |              |              |                  |              |
| Total number.....                                                           | 3, 201, 947       | 3, 354, 897  | 3, 366, 510  | 3, 313, 490      | 2, 911, 644  |
| Number reporting amount of mortgage debt.....                               | ( <sup>3</sup> )  | 1, 006, 511  | 1, 193, 047  | 31, 128, 207     | 1, 145, 737  |
| Percent of total.....                                                       | ( <sup>2</sup> )  | 30.0         | 35.4         | 34.0             | 39.4         |
| Value of all wholly owned farms (land and buildings).....1,000 dollars..... | 9, 129, 328       | 17, 310, 639 | 30, 710, 721 | 24, 208, 740     | 21, 123, 468 |
| Ratio of mortgage debt to value.....percent.....                            | ( <sup>3</sup> )  | 10.0         | 13.0         | 18.7             | 19.3         |
| Reporting mortgage debt:                                                    |                   |              |              |                  |              |
| Total number.....                                                           | ( <sup>2</sup> )  | 1, 006, 511  | 1, 193, 047  | 31, 128, 207     | 1, 145, 737  |
| Value of land and buildings.....1,000 dollars.....                          | ( <sup>2</sup> )  | 6, 330, 237  | 13, 775, 500 | 10, 790, 244     | 10, 307, 782 |
| Amount of mortgage debt.....do.....                                         | ( <sup>2</sup> )  | 1, 726, 173  | 4, 003, 767  | 4, 517, 259      | 4, 080, 176  |
| Ratio of mortgage debt to value.....percent.....                            | ( <sup>3</sup> )  | 27.3         | 29.1         | 41.9             | 39.6         |
| Average per mortgaged farm:                                                 |                   |              |              |                  |              |
| Value of land and buildings.....dollars.....                                | ( <sup>2</sup> )  | 6, 289       | 11, 546      | 9, 564           | 8, 997       |
| Amount of mortgage debt.....do.....                                         | ( <sup>2</sup> )  | 1, 715       | 3, 356       | 4, 004           | 3, 551       |
| Equity owned.....do.....                                                    | ( <sup>2</sup> )  | 4, 674       | 8, 190       | 5, 560           | 5, 436       |

<sup>1</sup> Farm homes occupied by their owners.    <sup>2</sup> Not reported.<sup>3</sup> Number reporting amount of mortgage debt on farm land and buildings anywhere in the United States.

## No. 566.—FARM OPERATORS WORKING FOR PAY OR INCOME NOT CONNECTED WITH THEIR FARM: By STATES

NOTE.—In reports of the Bureau of the Census farm operators working for pay not connected with their farms are classified in 8 groups according to the number of days of employment reported

| Division and State   | Operators working for pay off their farms |                         |                  | Average number of days worked | Division and State | Operators working for pay off their farms |                         |                  | Average number of days worked |
|----------------------|-------------------------------------------|-------------------------|------------------|-------------------------------|--------------------|-------------------------------------------|-------------------------|------------------|-------------------------------|
|                      | Total number <sup>1</sup>                 | By principal occupation |                  |                               |                    | Total number                              | By principal occupation |                  |                               |
|                      |                                           | Agri-cultural           | Nonagri-cultural |                               |                    |                                           | Agri-cultural           | Nonagri-cultural |                               |
| United States:       |                                           |                         |                  |                               | S. Atlantic, con'd |                                           |                         |                  |                               |
| 1929.....            | 1, 902, 898                               | ( <sup>2</sup> )        | ( <sup>2</sup> ) | 100                           | Dist. of Col...    | 20                                        |                         | 16               | 217                           |
| 1934.....            | 2, 077, 474                               | 278, 622                | 1, 483, 719      | 97                            | Virginia.....      | 72, 435                                   | 7, 743                  | 49, 608          | 129                           |
| 1934.....            |                                           |                         |                  |                               | West Virginia..... | 48, 519                                   | 2, 677                  | 42, 167          | 113                           |
| New England.....     | 65, 463                                   | 4, 248                  | 49, 149          | 145                           | N. Carolina.....   | 74, 247                                   | 11, 190                 | 52, 863          | 118                           |
| Maine.....           | 19, 602                                   | 1, 068                  | 14, 254          | 117                           | S. Carolina.....   | 55, 965                                   | 6, 949                  | 30, 814          | 95                            |
| N. Hampshire.....    | 8, 970                                    | 804                     | 6, 984           | 127                           | Georgia.....       | 53, 381                                   | 6, 902                  | 37, 116          | 109                           |
| Vermont.....         | 11, 226                                   | 931                     | 7, 971           | 124                           | Florida.....       | 26, 857                                   | 2, 660                  | 16, 838          | 142                           |
| Massachusetts.....   | 12, 098                                   | 650                     | 9, 082           | 171                           | E. S. Central..... | 291, 719                                  | 49, 450                 | 195, 624         | 90                            |
| Rhode Island.....    | 1, 508                                    | 137                     | 1, 144           | 183                           | Kentucky.....      | 81, 798                                   | 14, 889                 | 60, 656          | 93                            |
| Connecticut.....     | 12, 098                                   | 856                     | 9, 714           | 192                           | Tennessee.....     | 74, 204                                   | 15, 956                 | 50, 137          | 106                           |
| Middle Atlantic..... | 127, 413                                  | 7, 439                  | 86, 959          | 120                           | Alabama.....       | 68, 348                                   | 8, 539                  | 50, 478          | 88                            |
| New York.....        | 49, 950                                   | 4, 508                  | 34, 755          | 137                           | Mississippi.....   | 67, 369                                   | 10, 066                 | 34, 453          | 71                            |
| New Jersey.....      | 6, 018                                    | 456                     | 4, 461           | 139                           | W. S. Central..... | 337, 998                                  | 53, 761                 | 229, 813         | 77                            |
| Pennsylvania.....    | 71, 445                                   | 2, 475                  | 47, 443          | 107                           | Arkansas.....      | 70, 222                                   | 15, 116                 | 48, 812          | 71                            |
| E. N. Central.....   | 310, 932                                  | 37, 458                 | 241, 106         | 104                           | Louisiana.....     | 36, 612                                   | 8, 550                  | 23, 068          | 91                            |
| Ohio.....            | 75, 388                                   | 8, 322                  | 60, 082          | 122                           | Oklahoma.....      | 94, 934                                   | 5, 824                  | 69, 167          | 53                            |
| Indiana.....         | 61, 734                                   | 7, 129                  | 49, 563          | 113                           | Texas.....         | 136, 231                                  | 24, 271                 | 91, 766          | 64                            |
| Illinois.....        | 54, 041                                   | 10, 562                 | 39, 200          | 93                            | Mountain.....      | 116, 999                                  | 15, 619                 | 74, 308          | 94                            |
| Michigan.....        | 56, 782                                   | 5, 703                  | 42, 083          | 113                           | Montana.....       | 18, 059                                   | 2, 958                  | 11, 797          | 80                            |
| Wisconsin.....       | 62, 987                                   | 5, 742                  | 50, 178          | 70                            | Idaho.....         | 17, 765                                   | 2, 049                  | 12, 045          | 91                            |
| W. N. Central.....   | 372, 253                                  | 50, 020                 | 298, 917         | 69                            | Wyoming.....       | 7, 238                                    | 1, 512                  | 4, 915           | 98                            |
| Minnesota.....       | 64, 709                                   | 6, 711                  | 47, 183          | 58                            | Colorado.....      | 25, 066                                   | 3, 675                  | 18, 229          | 96                            |
| Iowa.....            | 40, 707                                   | 10, 189                 | 27, 912          | 87                            | New Mexico.....    | 20, 007                                   | 2, 187                  | 11, 192          | 96                            |
| Missouri.....        | 81, 512                                   | 13, 972                 | 62, 046          | 88                            | Arizona.....       | 9, 423                                    | 831                     | 4, 913           | 129                           |
| North Dakota.....    | 36, 514                                   | 2, 519                  | 33, 126          | 42                            | Utah.....          | 17, 380                                   | 1, 186                  | 10, 241          | 63                            |
| South Dakota.....    | 36, 506                                   | 1, 435                  | 48, 083          | 58                            | Nevada.....        | 1, 431                                    | 221                     | 976              | 113                           |
| Nebraska.....        | 63, 392                                   | 6, 443                  | 28, 766          | 54                            | Pacific.....       | 108, 988                                  | 21, 084                 | 68, 971          | 144                           |
| Kansas.....          | 62, 018                                   | 8, 751                  | 49, 801          | 76                            | Washington.....    | 35, 950                                   | 4, 978                  | 25, 043          | 123                           |
| South Atlantic.....  | 346, 704                                  | 39, 695                 | 241, 172         | 117                           | Oregon.....        | 26, 712                                   | 5, 168                  | 16, 030          | 123                           |
| Delaware.....        | 2, 159                                    | 346                     | 1, 407           | 128                           | California.....    | 46, 326                                   | 10, 948                 | 27, 893          | 172                           |
| Maryland.....        | 12, 071                                   | 1, 668                  | 8, 393           | 143                           |                    |                                           |                         |                  |                               |

<sup>1</sup> Includes operators who gave no occupation or ones which could not be classified (not shown separately).<sup>2</sup> Not available.

Source of tables 565 and 566: Bureau of the Census, Department of Commerce.

## No. 567.—FARM HOUSING, POPULATION, AND LABOR: BY STATES, 1935

NOTE.—Farm population includes all person living on farms without regard to their occupations. For farm population by States, Jan. 1920 and Apr. 15, 1930, as reported at the decennial census of population, see table 10, p. 8. See also footnote 3, table 550, p. 570

|                    | Farm population, Jan. 1, 1935 |            |           |                                                           | Farm dwellings, Jan. 1, 1935 |           |                      |         | Persons working on farms first week of Jan. 1935 |              |            |
|--------------------|-------------------------------|------------|-----------|-----------------------------------------------------------|------------------------------|-----------|----------------------|---------|--------------------------------------------------|--------------|------------|
| Division and State | Total number                  | White      | Colored   | Persons not living on a farm 5 years earlier <sup>1</sup> | Occupied dwellings           |           | Unoccupied dwellings |         | Farms with no dwellings reported                 | Family labor | Hired help |
|                    |                               |            |           |                                                           | Farms reporting              | Number    | Farms reporting      | Number  |                                                  |              |            |
| U. S. ....         | 31,800,907                    | 27,069,861 | 4,742,066 | 1,995,253                                                 | 6,422,088                    | 7,390,212 | 401,454              | 484,197 | 322,859                                          | 10,762,012   | 1,645,602  |
| New Eng. ....      | 711,489                       | 708,781    | 2,705     | 81,808                                                    | 149,658                      | 167,810   | 10,363               | 13,217  | 4,869                                            | 192,899      | 63,440     |
| Maine.....         | 184,697                       | 184,601    | 96        | 17,148                                                    | 40,092                       | 43,642    | 2,633                | 2,967   | 1,031                                            | 62,476       | 11,440     |
| N. H.....          | 76,007                        | 75,979     | 28        | 11,206                                                    | 17,147                       | 18,955    | 1,115                | 1,401   | 294                                              | 22,167       | 6,067      |
| Vt.....            | 122,655                       | 122,560    | 95        | 12,275                                                    | 25,741                       | 28,493    | 2,110                | 2,466   | 622                                              | 34,335       | 10,822     |
| Mass.....          | 183,219                       | 161,618    | 1,701     | 20,356                                                    | 33,092                       | 37,660    | 1,707                | 2,433   | 1,473                                            | 43,136       | 10,247     |
| R. I.....          | 21,751                        | 21,578     | 173       | 2,638                                                     | 4,078                        | 4,893     | 293                  | 401     | 180                                              | 5,266        | 2,536      |
| Conn.....          | 143,167                       | 142,545    | 612       | 18,185                                                    | 20,508                       | 34,167    | 2,605                | 3,549   | 1,339                                            | 35,509       | 13,328     |
| Mid. Atl. ....     | 1,903,933                     | 1,889,918  | 14,015    | 195,881                                                   | 383,214                      | 443,833   | 23,615               | 28,990  | 9,997                                            | 532,832      | 139,065    |
| N. Y.....          | 784,483                       | 779,922    | 4,561     | 81,514                                                    | 188,269                      | 195,267   | 14,267               | 17,938  | 5,425                                            | 232,231      | 67,751     |
| N. J.....          | 144,368                       | 139,439    | 4,929     | 18,609                                                    | 28,818                       | 34,426    | 1,423                | 1,904   | 392                                              | 42,073       | 17,182     |
| Pa.....            | 975,982                       | 970,567    | 4,625     | 95,758                                                    | 186,127                      | 213,140   | 7,925                | 9,148   | 3,480                                            | 258,528      | 54,139     |
| E. N. C. ....      | 4,789,078                     | 4,747,667  | 21,411    | 414,604                                                   | 1,046,597                    | 1,165,086 | 60,542               | 56,114  | 26,792                                           | 1,524,019    | 224,444    |
| Ohio.....          | 1,127,406                     | 1,110,847  | 7,558     | 105,297                                                   | 244,451                      | 278,357   | 12,041               | 12,965  | 8,088                                            | 338,303      | 46,537     |
| Ind.....           | 852,994                       | 850,899    | 2,095     | 74,518                                                    | 193,461                      | 218,209   | 8,780                | 9,469   | 6,794                                            | 287,455      | 34,070     |
| Ill.....           | 1,017,650                     | 1,011,883  | 5,767     | 61,019                                                    | 225,093                      | 252,096   | 9,209                | 10,016  | 4,896                                            | 317,549      | 49,204     |
| Mich.....          | 840,514                       | 837,494    | 3,020     | 110,413                                                   | 188,827                      | 208,459   | 12,624               | 13,932  | 4,750                                            | 270,955      | 39,192     |
| Wis.....           | 930,515                       | 927,544    | 2,971     | 63,357                                                    | 194,765                      | 207,965   | 7,807                | 8,735   | 3,264                                            | 304,667      | 52,351     |
| W. N. C. ....      | 5,028,280                     | 5,051,439  | 56,781    | 279,008                                                   | 1,125,639                    | 1,213,147 | 54,149               | 59,644  | 42,776                                           | 1,722,039    | 196,158    |
| Minn.....          | 928,487                       | 926,487    | 2,000     | 49,676                                                    | 196,621                      | 206,321   | 6,797                | 8,117   | 5,130                                            | 317,401      | 38,846     |
| Iowa.....          | 967,070                       | 967,291    | 688       | 61,168                                                    | 214,484                      | 232,088   | 6,992                | 7,377   | 9,814                                            | 319,780      | 48,532     |
| Mo.....            | 1,183,499                     | 1,154,644  | 28,855    | 81,958                                                    | 267,176                      | 297,778   | 14,013               | 16,615  | 8,824                                            | 393,202      | 40,742     |
| N. Dak.....        | 385,614                       | 379,487    | 6,127     | 11,562                                                    | 77,193                       | 80,845    | 5,953                | 6,671   | 5,746                                            | 128,602      | 13,495     |
| S. Dak.....        | 358,204                       | 345,748    | 12,456    | 12,950                                                    | 78,569                       | 82,010    | 4,853                | 5,198   | 3,267                                            | 119,256      | 8,209      |
| Neb.....           | 580,694                       | 578,023    | 1,771     | 23,299                                                    | 128,814                      | 138,554   | 6,460                | 6,796   | 8,630                                            | 195,290      | 20,300     |
| Kans.....          | 708,743                       | 698,859    | 4,884     | 48,395                                                    | 162,992                      | 176,551   | 8,181                | 8,870   | 9,805                                            | 248,499      | 26,034     |
| S. Atl. ....       | 6,203,592                     | 6,299,377  | 1,904,215 | 264,773                                                   | 1,072,088                    | 1,304,438 | 78,119               | 94,872  | 86,442                                           | 2,033,708    | 358,175    |
| Dal.....           | 48,558                        | 41,461     | 7,097     | 3,304                                                     | 10,134                       | 12,124    | 402                  | 446     | 177                                              | 13,174       | 3,057      |
| Md.....            | 241,596                       | 190,735    | 41,861    | 11,570                                                    | 42,908                       | 54,096    | 2,856                | 3,349   | 1,194                                            | 60,848       | 22,973     |
| D. of C. ....      | 532                           | 466        | 66        | 82                                                        | 82                           | 122       | 3                    | 3       | 7                                                | 105          | 257        |
| Va.....            | 1,053,469                     | 784,460    | 269,009   | 40,053                                                    | 186,892                      | 223,299   | 13,876               | 10,121  | 9,063                                            | 286,796      | 52,310     |
| W. Va.....         | 561,919                       | 557,664    | 4,255     | 47,150                                                    | 100,409                      | 117,643   | 4,836                | 5,305   | 3,437                                            | 150,963      | 15,032     |
| N. C.....          | 1,623,481                     | 1,622,495  | 480,986   | 50,227                                                    | 280,716                      | 325,377   | 17,820               | 20,259  | 13,298                                           | 578,578      | 59,321     |
| S. C.....          | 948,435                       | 438,404    | 510,031   | 32,510                                                    | 154,720                      | 191,440   | 11,378               | 14,517  | 9,680                                            | 333,099      | 53,140     |
| Ga.....            | 1,405,944                     | 880,613    | 525,331   | 57,582                                                    | 235,501                      | 304,425   | 22,754               | 29,583  | 12,452                                           | 510,385      | 91,458     |
| Fla.....           | 319,658                       | 234,079    | 85,579    | 22,287                                                    | 59,726                       | 75,046    | 4,104                | 5,289   | 12,136                                           | 99,760       | 60,627     |
| E. S. C. ....      | 5,335,291                     | 5,312,241  | 1,423,050 | 214,067                                                   | 1,058,376                    | 1,196,828 | 50,162               | 60,673  | 72,628                                           | 2,031,214    | 180,025    |
| Ky.....            | 1,307,816                     | 1,264,503  | 43,313    | 61,326                                                    | 257,845                      | 290,843   | 13,130               | 14,593  | 18,623                                           | 414,222      | 39,015     |
| Tenn.....          | 1,308,420                     | 1,138,503  | 169,917   | 50,400                                                    | 250,192                      | 261,197   | 14,931               | 16,666  | 21,573                                           | 421,474      | 39,498     |
| Ala.....           | 1,386,074                     | 896,368    | 490,706   | 63,065                                                    | 258,227                      | 299,688   | 12,020               | 15,145  | 14,144                                           | 588,692      | 48,072     |
| Miss.....          | 1,332,981                     | 613,867    | 719,114   | 29,676                                                    | 292,112                      | 313,800   | 10,081               | 13,669  | 18,288                                           | 606,826      | 35,542     |
| W. S. C. ....      | 5,387,844                     | 4,809,015  | 1,178,829 | 268,909                                                   | 1,062,690                    | 1,241,573 | 69,754               | 87,108  | 67,452                                           | 1,985,661    | 259,426    |
| Ark.....           | 1,180,238                     | 859,171    | 321,067   | 51,763                                                    | 240,139                      | 275,358   | 11,164               | 13,969  | 11,749                                           | 455,367      | 39,974     |
| La.....            | 859,351                       | 488,211    | 371,140   | 31,136                                                    | 162,978                      | 182,477   | 6,769                | 9,765   | 6,674                                            | 331,359      | 56,416     |
| Okla.....          | 1,015,562                     | 916,926    | 98,636    | 71,186                                                    | 200,651                      | 229,206   | 10,014               | 11,140  | 11,112                                           | 349,575      | 31,444     |
| Tex.....           | 2,332,693                     | 1,944,707  | 387,986   | 112,774                                                   | 458,622                      | 544,526   | 41,807               | 52,234  | 37,917                                           | 849,340      | 131,592    |
| Mountain.....      | 1,188,018                     | 1,118,615  | 69,403    | 114,766                                                   | 248,926                      | 292,709   | 38,892               | 48,096  | 14,320                                           | 374,428      | 84,141     |
| Mont.....          | 195,262                       | 187,995    | 7,267     | 15,674                                                    | 46,150                       | 51,868    | 8,511                | 11,172  | 2,664                                            | 98,304       | 13,523     |
| Idaho.....         | 198,983                       | 195,614    | 3,369     | 17,060                                                    | 41,019                       | 48,413    | 4,501                | 5,425   | 1,078                                            | 60,763       | 8,812      |
| Wyo.....           | 74,507                        | 72,852     | 1,655     | 8,840                                                     | 16,484                       | 19,908    | 3,504                | 4,438   | 452                                              | 23,881       | 7,001      |
| Colo.....          | 276,198                       | 273,007    | 3,191     | 26,920                                                    | 50,065                       | 60,304    | 10,325               | 13,216  | 2,081                                            | 92,431       | 15,228     |
| N. Mex.....        | 189,358                       | 171,456    | 17,902    | 24,745                                                    | 38,059                       | 44,679    | 3,918                | 6,052   | 2,618                                            | 58,583       | 11,364     |
| Ariz.....          | 100,083                       | 68,601     | 31,482    | 10,082                                                    | 17,681                       | 25,032    | 3,048                | 4,221   | 970                                              | 26,843       | 20,964     |
| Utah.....          | 138,242                       | 135,488    | 2,754     | 9,198                                                     | 26,203                       | 29,170    | 2,456                | 2,728   | 3,437                                            | 38,808       | 5,183      |
| Nev.....           | 15,385                        | 13,602     | 1,783     | 1,647                                                     | 3,365                        | 4,245     | 619                  | 844     | 220                                              | 4,813        | 2,066      |
| Pacific.....       | 1,183,445                     | 1,121,798  | 71,647    | 184,037                                                   | 274,900                      | 337,090   | 27,898               | 37,083  | 18,183                                           | 365,244      | 160,728    |
| Wash.....          | 335,840                       | 326,804    | 9,036     | 47,818                                                    | 81,105                       | 92,972    | 7,189                | 8,915   | 2,032                                            | 109,910      | 17,566     |
| Oreg.....          | 248,767                       | 244,734    | 4,033     | 45,141                                                    | 61,137                       | 70,673    | 6,809                | 9,092   | 2,032                                            | 83,102       | 15,287     |
| Calif.....         | 608,838                       | 550,260    | 58,578    | 71,078                                                    | 132,658                      | 173,445   | 13,870               | 19,076  | 14,119                                           | 172,232      | 127,873    |

<sup>1</sup> Does not include children under 5 years of age.

Source: Bureau of the Census, Department of Commerce.

## No. 568.—FARM EXPENDITURES FOR

[Amounts in thou

| Division and State      | Feed                 |                             |                      | Fertilizer           |                             |                      |                       |                             |                |
|-------------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|-----------------------|-----------------------------|----------------|
|                         | Farms report-<br>ing | Per cent<br>of all<br>farms | Amount ex-<br>pended | Farms report-<br>ing | Per cent<br>of all<br>farms | Amount ex-<br>pended | Commercial fertilizer |                             |                |
|                         |                      |                             |                      |                      |                             |                      | Farms report-<br>ing  | Per cent<br>of all<br>farms | Tons<br>bought |
| United States.....      | 3,283,400            | 52.2                        | 919,190              | 2,324,090            | 37.0                        | 271,059              | 2,239,546             | 35.6                        | 7,635,022      |
| New England.....        | 104,673              | 88.8                        | 67,416               | 68,537               | 54.9                        | 15,413               | 68,318                | 54.7                        | 345,303        |
| Maine.....              | 30,493               | 78.2                        | 11,498               | 22,953               | 61.4                        | 7,288                | 23,865                | 61.2                        | 170,950        |
| New Hampshire.....      | 12,716               | 85.3                        | 7,623                | 6,960                | 46.7                        | 440                  | 6,947                 | 46.0                        | 11,500         |
| Vermont.....            | 21,900               | 88.0                        | 11,547               | 11,945               | 48.0                        | 681                  | 11,028                | 47.9                        | 17,443         |
| Massachusetts.....      | 21,634               | 84.5                        | 20,671               | 14,289               | 55.8                        | 3,015                | 14,232                | 55.6                        | 68,611         |
| Rhode Island.....       | 2,892                | 87.1                        | 3,047                | 1,890                | 56.9                        | 330                  | 1,872                 | 56.4                        | 7,909          |
| Connecticut.....        | 15,038               | 87.5                        | 13,030               | 9,500                | 56.2                        | 3,653                | 9,474                 | 55.1                        | 68,890         |
| Middle Atlantic.....    | 283,504              | 82.1                        | 164,687              | 224,819              | 82.9                        | 30,202               | 206,325               | 57.7                        | 798,433        |
| New York.....           | 131,917              | 82.5                        | 77,400               | 90,500               | 56.6                        | 11,506               | 81,424                | 51.0                        | 287,959        |
| New Jersey.....         | 20,970               | 82.6                        | 20,829               | 16,948               | 65.8                        | 6,583                | 16,013                | 66.6                        | 162,361        |
| Pennsylvania.....       | 140,617              | 81.9                        | 56,458               | 117,371              | 68.1                        | 12,113               | 107,988               | 62.6                        | 348,113        |
| East North Central..... | 642,422              | 66.5                        | 146,850              | 350,789              | 36.3                        | 29,284               | 318,694               | 39.0                        | 773,037        |
| Ohio.....               | 140,122              | 63.9                        | 32,604               | 131,372              | 59.9                        | 11,028               | 120,486               | 59.0                        | 330,444        |
| Indiana.....            | 118,734              | 62.6                        | 26,135               | 83,006               | 45.7                        | 7,054                | 81,679                | 45.0                        | 206,144        |
| Illinois.....           | 143,337              | 66.8                        | 35,973               | 30,639               | 14.3                        | 3,594                | 15,143                | 7.1                         | 63,800         |
| Michigan.....           | 107,275              | 63.3                        | 21,051               | 72,128               | 42.6                        | 5,474                | 66,550                | 39.3                        | 140,083        |
| Wisconsin.....          | 137,034              | 75.9                        | 31,087               | 33,644               | 18.5                        | 2,134                | 25,730                | 14.2                        | 42,586         |
| West North Central..... | 678,636              | 61.0                        | 214,676              | 67,978               | 6.1                         | 4,472                | 56,419                | 5.1                         | 106,332        |
| Minnesota.....          | 113,627              | 61.3                        | 19,679               | 9,402                | 5.1                         | 714                  | 8,968                 | 4.8                         | 15,803         |
| Iowa.....               | 145,500              | 67.7                        | 53,703               | 15,767               | 7.3                         | 1,171                | 10,015                | 4.7                         | 21,177         |
| Missouri.....           | 167,613              | 65.5                        | 47,253               | 36,762               | 14.0                        | 2,031                | 32,564                | 12.7                        | 67,432         |
| North Dakota.....       | 28,296               | 36.3                        | 4,204                | 572                  | .7                          | 52                   | 342                   | .4                          | 668            |
| South Dakota.....       | 40,527               | 48.7                        | 12,436               | 319                  | .4                          | 21                   | 103                   | .1                          | 133            |
| Nebraska.....           | 79,355               | 61.3                        | 42,286               | 685                  | .5                          | 54                   | 428                   | .3                          | 732            |
| Kansas.....             | 103,708              | 62.5                        | 35,115               | 5,471                | 3.3                         | 429                  | 3,999                 | 2.4                         | 10,097         |
| South Atlantic.....     | 427,520              | 40.4                        | 63,893               | 813,149              | 76.8                        | 119,239              | 808,199               | 76.4                        | 3,707,305      |
| Delaware.....           | 7,417                | 76.4                        | 3,685                | 7,550                | 77.8                        | 1,301                | 7,525                 | 77.5                        | 42,739         |
| Maryland.....           | 32,070               | 74.2                        | 10,613               | 33,697               | 78.0                        | 5,525                | 33,676                | 77.9                        | 180,363        |
| Dist. of Columbia.....  | 84                   | 80.8                        | 117                  | 73                   | 70.2                        | 18                   | 72                    | 99.2                        | 305            |
| Virginia.....           | 81,507               | 47.8                        | 12,640               | 110,588              | 64.8                        | 11,781               | 108,102               | 63.4                        | 388,937        |
| West Virginia.....      | 44,942               | 54.4                        | 5,094                | 30,320               | 36.7                        | 1,161                | 30,208                | 36.6                        | 45,656         |
| North Carolina.....     | 121,859              | 43.6                        | 11,116               | 234,426              | 83.8                        | 34,687               | 233,467               | 83.5                        | 1,107,763      |
| South Carolina.....     | 40,134               | 25.4                        | 3,573                | 139,234              | 88.2                        | 22,080               | 136,076               | 88.0                        | 708,470        |
| Georgia.....            | 77,050               | 30.1                        | 8,358                | 217,456              | 85.1                        | 27,533               | 216,633               | 84.8                        | 890,602        |
| Florida.....            | 22,457               | 33.1                        | 8,097                | 39,805               | 67.5                        | 15,153               | 39,480                | 67.0                        | 372,473        |
| East South Central..... | 390,887              | 36.8                        | 43,041               | 530,273              | 49.9                        | 40,094               | 529,176               | 49.8                        | 1,185,337      |
| Kentucky.....           | 105,486              | 42.8                        | 12,506               | 74,112               | 30.1                        | 2,599                | 73,822                | 29.9                        | 62,823         |
| Tennessee.....          | 104,470              | 42.5                        | 10,810               | 96,794               | 39.4                        | 4,110                | 96,613                | 39.3                        | 138,600        |
| Alabama.....            | 88,111               | 34.2                        | 8,229                | 208,068              | 80.8                        | 21,830               | 207,677               | 80.7                        | 646,707        |
| Mississippi.....        | 92,814               | 29.7                        | 11,496               | 151,309              | 48.4                        | 11,555               | 151,063               | 48.3                        | 307,697        |
| West South Central..... | 454,387              | 41.2                        | 75,221               | 221,100              | 20.0                        | 15,719               | 219,773               | 19.9                        | 431,355        |
| Arkansas.....           | 110,676              | 46.7                        | 12,407               | 73,686               | 30.4                        | 4,607                | 73,314                | 30.3                        | 127,293        |
| Louisiana.....          | 59,065               | 30.6                        | 7,872                | 66,541               | 41.2                        | 5,229                | 66,333                | 41.1                        | 143,667        |
| Oklahoma.....           | 93,234               | 45.7                        | 17,138               | 4,440                | 2.2                         | 252                  | 4,171                 | 2.0                         | 7,895          |
| Texas.....              | 191,402              | 38.6                        | 37,804               | 76,433               | 15.4                        | 5,631                | 75,955                | 15.3                        | 183,010        |
| Mountain.....           | 117,397              | 48.6                        | 48,824               | 5,817                | 2.4                         | 630                  | 3,824                 | 1.6                         | 10,272         |
| Montana.....            | 20,692               | 43.6                        | 6,872                | 303                  | .0                          | 30                   | 157                   | .3                          | 248            |
| Idaho.....              | 22,061               | 52.9                        | 7,040                | 1,604                | 4.1                         | 81                   | 1,342                 | 3.2                         | 2,091          |
| Wyoming.....            | 7,995                | 49.9                        | 5,136                | 281                  | 1.8                         | 25                   | 203                   | 1.3                         | 358            |
| Colorado.....           | 31,212               | 52.1                        | 13,829               | 1,484                | 2.5                         | 165                  | 749                   | 1.2                         | 1,175          |
| New Mexico.....         | 12,476               | 39.7                        | 3,816                | 844                  | 2.7                         | 98                   | 720                   | 2.3                         | 2,339          |
| Arizona.....            | 6,885                | 48.6                        | 3,472                | 524                  | 3.7                         | 176                  | 512                   | 3.6                         | 3,704          |
| Utah.....               | 13,929               | 51.3                        | 4,938                | 646                  | 2.4                         | 49                   | 106                   | .4                          | 264            |
| Nevada.....             | 2,157                | 62.7                        | 1,721                | 41                   | 1.2                         | 6                    | 35                    | 1.0                         | 99             |
| Pacific.....            | 174,004              | 66.5                        | 108,582              | 41,628               | 15.9                        | 16,006               | 28,919                | 11.0                        | 176,638        |
| Washington.....         | 51,420               | 72.5                        | 25,297               | 9,610                | 13.6                        | 1,194                | 8,370                 | 11.8                        | 21,661         |
| Oregon.....             | 38,519               | 69.8                        | 13,167               | 8,163                | 14.8                        | 670                  | 4,499                 | 8.2                         | 12,497         |
| California.....         | 84,066               | 62.0                        | 68,118               | 23,855               | 17.6                        | 14,142               | 16,050                | 11.8                        | 142,610        |

¹ Including automobiles, trucks, tractors, etc.

² Paid to a power company.

## SPECIFIED PURPOSES: BY STATES, 1929

sands of dollars]

| Farm labor, exclusive of housework (cash) |                       |                 |                                 | Farm implements and machinery <sup>1</sup> |                       |                 | Electric light and power <sup>2</sup> |                       |                 | Division and State |
|-------------------------------------------|-----------------------|-----------------|---------------------------------|--------------------------------------------|-----------------------|-----------------|---------------------------------------|-----------------------|-----------------|--------------------|
| Farms reporting                           | Per cent of all farms | Amount expended | Days of hired labor (thousands) | Farms reporting purchases                  | Per cent of all farms | Amount expended | Farms reporting purchases             | Per cent of all farms | Amount expended |                    |
| 2, 631, 601                               | 41. 8                 | 955, 420        | 410, 985                        | 1, 750, 588                                | 27. 8                 | 692, 548        | 571, 007                              | 8. 1                  | 46, 494         | U. S.              |
| 73, 836                                   | 59. 1                 | 49, 839         | 16, 357                         | 40, 420                                    | 32. 4                 | 17, 608         | 45, 522                               | 36. 4                 | 2, 988          | New Eng.           |
| 22, 705                                   | 58. 4                 | 9, 043          | 3, 001                          | 12, 140                                    | 31. 1                 | 5, 384          | 10, 938                               | 28. 0                 | 498             | Me.                |
| 8, 849                                    | 50. 4                 | 3, 980          | 1, 410                          | 4, 209                                     | 28. 2                 | 1, 700          | 5, 014                                | 33. 6                 | 307             | N. H.              |
| 15, 304                                   | 61. 7                 | 5, 495          | 2, 431                          | 8, 413                                     | 33. 8                 | 3, 084          | 6, 403                                | 25. 7                 | 331             | Vt.                |
| 15, 247                                   | 59. 6                 | 17, 288         | 5, 138                          | 8, 775                                     | 34. 3                 | 4, 135          | 13, 821                               | 54. 0                 | 1, 051          | Mass.              |
| 1, 835                                    | 56. 7                 | 2, 277          | 721                             | 1, 139                                     | 34. 3                 | 581             | 1, 671                                | 50. 3                 | 153             | R. I.              |
| 9, 690                                    | 66. 4                 | 11, 756         | 3, 566                          | 5, 744                                     | 33. 4                 | 2, 724          | 7, 675                                | 44. 6                 | 646             | Conn.              |
| 197, 988                                  | 55. 4                 | 94, 688         | 35, 908                         | 137, 846                                   | 38. 5                 | 56, 994         | 87, 533                               | 24. 5                 | 5, 735          | Mid. Atl.          |
| 90, 455                                   | 56. 6                 | 45, 421         | 17, 420                         | 65, 326                                    | 40. 9                 | 28, 041         | 43, 350                               | 27. 1                 | 2, 770          | N. Y.              |
| 14, 648                                   | 57. 7                 | 17, 553         | 5, 636                          | 9, 880                                     | 38. 9                 | 5, 409          | 10, 968                               | 43. 2                 | 920             | N. J.              |
| 92, 865                                   | 53. 9                 | 31, 714         | 12, 852                         | 62, 440                                    | 36. 2                 | 23, 544         | 33, 215                               | 19. 3                 | 2, 045          | Pa.                |
| 448, 362                                  | 46. 4                 | 132, 476        | 60, 664                         | 330, 489                                   | 34. 2                 | 124, 124        | 129, 047                              | 13. 4                 | 7, 372          | E. N. C.           |
| 90, 363                                   | 41. 2                 | 25, 409         | 11, 056                         | 57, 431                                    | 26. 2                 | 20, 617         | 37, 695                               | 17. 2                 | 1, 930          | Ohio.              |
| 68, 943                                   | 38. 0                 | 16, 786         | 8, 258                          | 45, 752                                    | 25. 2                 | 16, 580         | 18, 569                               | 10. 2                 | 908             | Ind.               |
| 112, 916                                  | 62. 6                 | 40, 946         | 18, 216                         | 77, 321                                    | 36. 0                 | 34, 332         | 18, 317                               | 8. 5                  | 1, 192          | Ill.               |
| 76, 078                                   | 44. 9                 | 19, 853         | 8, 268                          | 60, 932                                    | 35. 0                 | 20, 848         | 24, 233                               | 14. 3                 | 1, 252          | Mich.              |
| 100, 062                                  | 55. 0                 | 20, 482         | 14, 866                         | 89, 046                                    | 49. 0                 | 31, 747         | 30, 233                               | 18. 6                 | 2, 090          | Wis.               |
| 603, 904                                  | 54. 3                 | 178, 678        | 76, 337                         | 481, 100                                   | 43. 2                 | 246, 396        | 72, 093                               | 6. 5                  | 4, 569          | W. N. C.           |
| 105, 057                                  | 56. 7                 | 27, 527         | 13, 204                         | 87, 672                                    | 47. 3                 | 35, 115         | 12, 413                               | 6. 7                  | 855             | Minn.              |
| 122, 669                                  | 57. 1                 | 39, 681         | 17, 609                         | 108, 286                                   | 50. 4                 | 51, 567         | 25, 149                               | 11. 7                 | 1, 627          | Iowa.              |
| 96, 640                                   | 37. 8                 | 10, 851         | 10, 663                         | 59, 551                                    | 23. 3                 | 17, 401         | 12, 486                               | 4. 9                  | 602             | Mo.                |
| 57, 838                                   | 74. 2                 | 24, 595         | 8, 765                          | 41, 261                                    | 52. 9                 | 26, 745         | 1, 721                                | 2. 2                  | 150             | N. Dak.            |
| 48, 762                                   | 58. 6                 | 14, 647         | 6, 144                          | 41, 186                                    | 49. 5                 | 24, 375         | 2, 534                                | 3. 0                  | 182             | S. Dak.            |
| 76, 806                                   | 59. 3                 | 25, 356         | 9, 949                          | 65, 862                                    | 50. 9                 | 36, 080         | 7, 485                                | 5. 8                  | 559             | Nebr.              |
| 96, 123                                   | 57. 9                 | 27, 021         | 10, 006                         | 77, 282                                    | 40. 5                 | 55, 113         | 10, 305                               | 6. 2                  | 594             | Kans.              |
| 367, 185                                  | 34. 7                 | 91, 880         | 57, 253                         | 222, 033                                   | 21. 0                 | 37, 512         | 37, 416                               | 3. 5                  | 2, 241          | S. Atl.            |
| 5, 235                                    | 54. 4                 | 2, 518          | 1, 090                          | 3, 423                                     | 35. 3                 | 1, 354          | 1, 027                                | 10. 6                 | 89              | Del.               |
| 25, 454                                   | 68. 9                 | 12, 866         | 5, 966                          | 18, 407                                    | 31. 0                 | 5, 128          | 6, 226                                | 14. 4                 | 446             | Md.                |
| 70                                        | 67. 3                 | 317             | 95                              | 22                                         | 21. 2                 | 10              | 54                                    | 51. 9                 | 3               | D. C.              |
| 62, 451                                   | 36. 6                 | 18, 774         | 10, 338                         | 31, 478                                    | 18. 5                 | 8, 474          | 7, 730                                | 4. 5                  | 470             | Va.                |
| 28, 933                                   | 35. 0                 | 5, 012          | 2, 581                          | 11, 737                                    | 14. 2                 | 2, 880          | 2, 844                                | 3. 4                  | 154             | W. Va.             |
| 88, 837                                   | 31. 8                 | 11, 674         | 7, 858                          | 48, 125                                    | 17. 2                 | 6, 705          | 8, 774                                | 3. 1                  | 403             | N. C.              |
| 49, 180                                   | 31. 1                 | 9, 003          | 8, 656                          | 35, 082                                    | 22. 2                 | 3, 589          | 3, 039                                | 1. 9                  | 145             | S. C.              |
| 78, 998                                   | 30. 9                 | 13, 992         | 12, 202                         | 67, 806                                    | 26. 5                 | 5, 898          | 3, 591                                | 1. 4                  | 207             | Ga.                |
| 27, 977                                   | 47. 4                 | 17, 724         | 8, 467                          | 10, 953                                    | 18. 6                 | 3, 474          | 4, 131                                | 7. 0                  | 324             | Fla.               |
| 250, 148                                  | 23. 5                 | 38, 775         | 23, 532                         | 168, 151                                   | 14. 9                 | 24, 724         | 13, 776                               | 1. 8                  | 1, 031          | E. S. C.           |
| 70, 788                                   | 28. 7                 | 11, 489         | 6, 901                          | 26, 550                                    | 10. 8                 | 6, 155          | 5, 863                                | 2. 4                  | 323             | Ky.                |
| 71, 184                                   | 29. 0                 | 8, 661          | 6, 278                          | 36, 009                                    | 14. 7                 | 6, 575          | 6, 720                                | 2. 7                  | 337             | Tenn.              |
| 60, 365                                   | 23. 5                 | 7, 073          | 5, 746                          | 60, 208                                    | 23. 4                 | 5, 509          | 3, 839                                | 1. 5                  | 197             | Ala.               |
| 47, 811                                   | 15. 3                 | 6, 552          | 4, 607                          | 35, 384                                    | 11. 3                 | 6, 425          | 2, 354                                | . 8                   | 174             | Miss.              |
| 394, 848                                  | 36. 8                 | 110, 614        | 58, 398                         | 215, 330                                   | 19. 5                 | 74, 715         | 18, 534                               | 1. 7                  | 1, 680          | W. S. C.           |
| 60, 036                                   | 27. 2                 | 9, 627          | 6, 043                          | 39, 988                                    | 16. 5                 | 5, 955          | 2, 089                                | 1. 1                  | 309             | Ark.               |
| 35, 919                                   | 22. 2                 | 13, 061         | 8, 893                          | 23, 704                                    | 14. 7                 | 4, 361          | 1, 949                                | 1. 2                  | 241             | La.                |
| 90, 606                                   | 44. 4                 | 22, 245         | 10, 026                         | 63, 682                                    | 26. 3                 | 24, 462         | 3, 942                                | 1. 9                  | 288             | Okl.               |
| 202, 287                                  | 40. 8                 | 65, 661         | 33, 447                         | 97, 956                                    | 19. 8                 | 39, 637         | 9, 954                                | 2. 0                  | 862             | Tex.               |
| 132, 285                                  | 54. 8                 | 85, 897         | 31, 242                         | 88, 578                                    | 38. 7                 | 58, 908         | 39, 160                               | 16. 2                 | 2, 789          | Mountain.          |
| 27, 421                                   | 57. 7                 | 16, 371         | 5, 754                          | 20, 812                                    | 43. 8                 | 17, 442         | 1, 983                                | 4. 2                  | 158             | Mont.              |
| 25, 475                                   | 61. 1                 | 12, 706         | 4, 088                          | 17, 336                                    | 41. 6                 | 9, 898          | 10, 731                               | 25. 7                 | 871             | Idaho.             |
| 8, 481                                    | 53. 0                 | 8, 605          | 3, 199                          | 6, 873                                     | 42. 9                 | 4, 727          | 454                                   | 2. 8                  | 47              | Wyo.               |
| 35, 016                                   | 58. 4                 | 21, 550         | 7, 756                          | 22, 834                                    | 38. 1                 | 13, 700         | 6, 548                                | 10. 9                 | 428             | Colo.              |
| 12, 483                                   | 39. 7                 | 6, 556          | 3, 254                          | 6, 960                                     | 22. 2                 | 3, 750          | 1, 102                                | 3. 5                  | 117             | N. Mex.            |
| 6, 158                                    | 43. 4                 | 10, 389         | 3, 946                          | 3, 565                                     | 25. 2                 | 2, 832          | 3, 070                                | 21. 7                 | 773             | Ariz.              |
| 15, 127                                   | 55. 7                 | 6, 059          | 1, 974                          | 8, 864                                     | 32. 6                 | 3, 877          | 14, 462                               | 53. 2                 | 544             | Utah.              |
| 2, 124                                    | 61. 7                 | 3, 661          | 1, 271                          | 1, 384                                     | 38. 8                 | 882             | 810                                   | 23. 5                 | 56              | Neu.               |
| 168, 085                                  | 62. 3                 | 177, 573        | 61, 294                         | 76, 843                                    | 29. 4                 | 53, 567         | 122, 926                              | 47. 0                 | 18, 081         | Pacific.           |
| 40, 990                                   | 57. 8                 | 29, 158         | 8, 454                          | 21, 229                                    | 29. 9                 | 12, 842         | 29, 070                               | 41. 0                 | 1, 846          | Wash.              |
| 31, 583                                   | 57. 3                 | 18, 257         | 6, 185                          | 17, 107                                    | 31. 0                 | 9, 907          | 14, 091                               | 27. 2                 | 796             | Oreg.              |
| 90, 492                                   | 66. 7                 | 130, 158        | 36, 055                         | 33, 512                                    | 28. 4                 | 30, 818         | 73, 865                               | 68. 1                 | 15, 439         | Calif.             |

Source: Bureau of the Census, Department of Commerce.



# No. 569.—FARM TAXES, FARMS OWNED WHOLLY BY THE OPERATOR: By STATES, 1929

[Acreage in thousands; all money figures, except average tax per acre, in thousands of dollars]

| Division and State      | All farms operated by full owners, number | Farms operated by full owners reporting total taxes and real-estate taxes |                    |         |                             |                            |                             |                  |                           |
|-------------------------|-------------------------------------------|---------------------------------------------------------------------------|--------------------|---------|-----------------------------|----------------------------|-----------------------------|------------------|---------------------------|
|                         |                                           | Number of farms                                                           | Per cent reporting | Acreage | Value of land and buildings | Taxes on all farm property | Taxes on land and buildings |                  |                           |
|                         |                                           |                                                                           |                    |         |                             |                            | Total                       | Average per acre | Ratio to value (per cent) |
| United States.....      | 2,911,644                                 | 2,565,157                                                                 | 88.1               | 325,909 | 18,841,822                  | 281,403                    | 238,940                     | \$0.73           | 1.27                      |
| New England.....        | 107,300                                   | 96,741                                                                    | 90.2               | 10,568  | 630,573                     | 12,204                     | 9,921                       | .84              | 1.57                      |
| Maine.....              | 35,468                                    | 32,303                                                                    | 91.1               | 3,781   | 152,856                     | 3,590                      | 2,800                       | .74              | 1.83                      |
| New Hampshire.....      | 12,060                                    | 11,021                                                                    | 91.5               | 1,354   | 51,500                      | 1,276                      | 1,069                       | .79              | 2.03                      |
| Vermont.....            | 20,662                                    | 19,358                                                                    | 93.7               | 2,858   | 104,221                     | 2,067                      | 1,591                       | .60              | 1.63                      |
| Massachusetts.....      | 21,410                                    | 19,410                                                                    | 90.7               | 1,394   | 109,016                     | 3,381                      | 2,830                       | 2.04             | 1.67                      |
| Rhode Island.....       | 2,523                                     | 2,100                                                                     | 83.6               | 173     | 17,004                      | 220                        | 192                         | 1.11             | 1.07                      |
| Connecticut.....        | 14,271                                    | 12,489                                                                    | 87.5               | 1,000   | 134,175                     | 1,658                      | 1,430                       | 1.42             | 1.07                      |
| Middle Atlantic.....    | 275,193                                   | 249,167                                                                   | 89.6               | 22,642  | 1,713,955                   | 28,173                     | 26,434                      | 1.17             | 1.54                      |
| New York.....           | 124,200                                   | 114,172                                                                   | 91.9               | 11,861  | 814,162                     | 12,103                     | 11,480                      | .97              | 1.41                      |
| New Jersey.....         | 10,564                                    | 16,564                                                                    | 84.0               | 976     | 172,176                     | 3,141                      | 2,745                       | 2.81             | 1.59                      |
| Pennsylvania.....       | 134,423                                   | 118,481                                                                   | 88.1               | 9,805   | 727,617                     | 12,020                     | 12,203                      | 1.24             | 1.68                      |
| East North Central..... | 570,680                                   | 521,402                                                                   | 91.4               | 49,966  | 4,016,866                   | 76,494                     | 65,193                      | 1.30             | 1.62                      |
| Ohio.....               | 136,332                                   | 124,572                                                                   | 91.4               | 10,491  | 820,522                     | 18,283                     | 14,969                      | 1.43             | 1.81                      |
| Indiana.....            | 97,553                                    | 87,027                                                                    | 89.2               | 7,595   | 533,700                     | 13,235                     | 10,787                      | 1.42             | 2.02                      |
| Illinois.....           | 156,080                                   | 146,904                                                                   | 90.5               | 8,511   | 885,080                     | 11,407                     | 9,766                       | 1.16             | 1.10                      |
| Michigan.....           | 118,928                                   | 107,248                                                                   | 90.2               | 9,407   | 640,949                     | 14,409                     | 13,455                      | 1.42             | 2.07                      |
| Wisconsin.....          | 152,778                                   | 125,591                                                                   | 82.6               | 13,902  | 1,120,816                   | 10,170                     | 10,226                      | 1.17             | 1.45                      |
| West North Central..... | 457,770                                   | 418,891                                                                   | 91.5               | 72,480  | 4,885,181                   | 92,806                     | 58,600                      | .74              | 1.09                      |
| Minnesota.....          | 97,878                                    | 91,588                                                                    | 93.6               | 12,423  | 927,764                     | 13,242                     | 11,707                      | .94              | 1.26                      |
| Iowa.....               | 85,272                                    | 75,189                                                                    | 88.2               | 10,007  | 1,343,705                   | 15,455                     | 13,724                      | 1.37             | 1.02                      |
| Missouri.....           | 127,956                                   | 119,496                                                                   | 93.4               | 14,946  | 704,407                     | 8,628                      | 7,123                       | .48              | .90                       |
| North Dakota.....       | 28,807                                    | 21,326                                                                    | 89.0               | 7,040   | 237,600                     | 4,280                      | 3,688                       | .46              | 1.55                      |
| South Dakota.....       | 22,372                                    | 18,330                                                                    | 81.9               | 5,438   | 262,863                     | 4,014                      | 3,354                       | .62              | 1.28                      |
| Nebraska.....           | 43,301                                    | 40,134                                                                    | 92.7               | 10,996  | 723,505                     | 7,515                      | 6,118                       | .68              | .85                       |
| Kansas.....             | 57,151                                    | 52,828                                                                    | 92.4               | 10,730  | 605,157                     | 6,072                      | 7,886                       | .73              | 1.30                      |
| South Atlantic.....     | 467,100                                   | 410,359                                                                   | 87.9               | 39,849  | 1,854,544                   | 24,787                     | 19,889                      | .50              | 1.03                      |
| Delaware.....           | 5,816                                     | 5,019                                                                     | 86.3               | 381     | 81,952                      | 269                        | 238                         | .63              | .75                       |
| Maryland.....           | 28,333                                    | 22,795                                                                    | 80.3               | 1,982   | 102,720                     | 2,149                      | 1,878                       | .97              | 1.15                      |
| Dist. of Col.....       | 1,633                                     | 1,000                                                                     | 61.3               | 1       | 1,527                       | 14                         | 21                          | 21.18            | .90                       |
| Virginia.....           | 104,950                                   | 97,440                                                                    | 92.8               | 9,094   | 510,918                     | 4,094                      | 3,546                       | .85              | .68                       |
| West Virginia.....      | 60,581                                    | 55,553                                                                    | 91.7               | 5,877   | 227,978                     | 3,869                      | 2,965                       | .50              | 1.30                      |
| North Carolina.....     | 115,765                                   | 103,684                                                                   | 89.5               | 8,477   | 370,428                     | 6,360                      | 5,100                       | .60              | 1.36                      |
| South Carolina.....     | 45,515                                    | 40,835                                                                    | 89.7               | 5,940   | 144,925                     | 2,248                      | 1,810                       | .46              | 1.25                      |
| Georgia.....            | 70,596                                    | 50,133                                                                    | 71.0               | 7,247   | 188,971                     | 2,626                      | 2,339                       | .92              | 1.24                      |
| Florida.....            | 35,485                                    | 25,927                                                                    | 73.1               | 2,004   | 180,116                     | 2,261                      | 1,945                       | .97              | 1.08                      |
| East South Central..... | 397,594                                   | 342,303                                                                   | 86.1               | 34,014  | 1,171,792                   | 17,841                     | 14,714                      | .48              | 1.38                      |
| Kentucky.....           | 135,215                                   | 113,690                                                                   | 84.1               | 10,873  | 454,321                     | 5,511                      | 4,601                       | .42              | 1.01                      |
| Tennessee.....          | 109,853                                   | 94,737                                                                    | 86.2               | 8,023   | 348,766                     | 4,479                      | 4,207                       | .49              | 1.21                      |
| Alabama.....            | 75,144                                    | 65,054                                                                    | 86.8               | 9,005   | 183,057                     | 2,126                      | 1,731                       | .25              | .65                       |
| Mississippi.....        | 77,382                                    | 67,913                                                                    | 87.8               | 7,553   | 185,658                     | 5,226                      | 4,175                       | .55              | 2.25                      |
| West South Central..... | 325,989                                   | 275,222                                                                   | 84.4               | 49,097  | 1,636,814                   | 19,777                     | 15,774                      | .52              | .86                       |
| Arkansas.....           | 72,507                                    | 64,475                                                                    | 88.8               | 6,528   | 185,140                     | 2,334                      | 1,678                       | .26              | .61                       |
| Louisiana.....          | 46,893                                    | 37,347                                                                    | 79.6               | 3,235   | 134,180                     | 2,268                      | 1,859                       | .57              | 1.39                      |
| Oklahoma.....           | 53,047                                    | 42,787                                                                    | 80.6               | 6,630   | 200,707                     | 4,477                      | 3,759                       | .57              | 1.20                      |
| Texas.....              | 152,852                                   | 130,613                                                                   | 85.5               | 32,704  | 1,026,828                   | 10,608                     | 8,478                       | .20              | .83                       |
| Mountain.....           | 130,287                                   | 99,468                                                                    | 76.3               | 30,141  | 823,374                     | 14,004                     | 10,777                      | .56              | 1.31                      |
| Montana.....            | 20,101                                    | 16,030                                                                    | 79.7               | 7,035   | 137,046                     | 2,222                      | 1,636                       | .21              | 1.48                      |
| Idaho.....              | 24,194                                    | 20,233                                                                    | 83.6               | 3,387   | 174,516                     | 3,140                      | 2,586                       | .76              | 1.48                      |
| Wyoming.....            | 7,890                                     | 6,151                                                                     | 77.9               | 3,792   | 54,807                      | 848                        | 687                         | .16              | 1.03                      |
| Colorado.....           | 26,920                                    | 21,938                                                                    | 81.5               | 6,203   | 185,735                     | 3,285                      | 2,564                       | .41              | 1.38                      |
| New Mexico.....         | 19,930                                    | 12,315                                                                    | 61.8               | 4,139   | 59,367                      | 878                        | 655                         | .16              | 1.10                      |
| Arizona.....            | 9,727                                     | 4,456                                                                     | 45.8               | 911     | 51,947                      | 802                        | 681                         | .76              | 1.31                      |
| Utah.....               | 10,046                                    | 18,461                                                                    | 86.4               | 2,673   | 128,313                     | 2,245                      | 1,729                       | .65              | 1.35                      |
| Nevada.....             | 2,464                                     | 1,894                                                                     | 76.5               | 1,100   | 31,584                      | 524                        | 350                         | .33              | 1.14                      |
| Pacific.....            | 176,751                                   | 151,594                                                                   | 85.8               | 17,154  | 2,118,924                   | 25,827                     | 22,988                      | 1.32             | 1.07                      |
| Washington.....         | 40,702                                    | 43,007                                                                    | 88.3               | 3,790   | 361,562                     | 4,067                      | 4,361                       | 1.15             | 1.21                      |
| Oregon.....             | 36,674                                    | 32,199                                                                    | 87.8               | 5,467   | 290,720                     | 3,691                      | 3,399                       | .62              | 1.17                      |
| California.....         | 90,375                                    | 75,478                                                                    | 83.5               | 7,897   | 1,466,612                   | 16,899                     | 14,928                      | 1.89             | 1.02                      |

Source: Bureau of the Census, Department of Commerce.

# No. 570.—AVERAGE PREVAILING FARM WAGE RATE AND INDEX NUMBERS OF FARM WAGES

NOTE.—To 1923, yearly averages are from reports by crop reporters, giving average wages for the year in their locality; thereafter, wage rates per month are straight averages of quarterly rates April, July, October of the current year and January of the following year

| Year         | Average yearly farm wage per month— |               | Weighted average wage rate per month | Index numbers of farm wages (1910=100) | Year | Average yearly farm wage per month— |               | Weighted average wage rate per month | Index numbers of farm wages (1910=100) |
|--------------|-------------------------------------|---------------|--------------------------------------|----------------------------------------|------|-------------------------------------|---------------|--------------------------------------|----------------------------------------|
|              | With board                          | Without board |                                      |                                        |      | With board                          | Without board |                                      |                                        |
| 1896         | \$10.09                             | \$15.50       | \$13.14                              | 55                                     | 1917 | \$28.64                             | \$40.19       | \$33.42                              | 140                                    |
| 1874 or 1875 | 11.16                               | 17.10         | 14.19                                | 59                                     | 1918 | 35.12                               | 49.13         | 42.13                                | 176                                    |
| 1870 or 1880 | 11.70                               | 17.53         | 14.14                                | 59                                     | 1919 | 40.14                               | 56.77         | 49.11                                | 206                                    |
| 1884 or 1885 | 13.08                               | 19.22         | 15.68                                | 65                                     | 1920 | 47.24                               | 65.05         | 57.01                                | 239                                    |
| 1887 or 1888 | 13.20                               | 19.07         | 15.87                                | 66                                     | 1921 | 30.25                               | 43.68         | 35.77                                | 160                                    |
| 1889 or 1890 | 13.20                               | 19.45         | 15.79                                | 66                                     | 1922 | 29.31                               | 42.09         | 34.91                                | 148                                    |
| 1891 or 1892 | 13.48                               | 20.02         | 16.06                                | 67                                     | 1923 | 33.09                               | 46.74         | 39.64                                | 166                                    |
| 1895         | 12.75                               | 18.74         | 14.69                                | 62                                     | 1924 | 33.34                               | 47.22         | 39.67                                | 166                                    |
| 1899         | 13.00                               | 19.97         | 16.34                                | 68                                     | 1925 | 33.88                               | 47.80         | 40.12                                | 168                                    |
| 1902         | 15.61                               | 22.12         | 18.12                                | 70                                     | 1926 | 34.86                               | 48.86         | 40.88                                | 171                                    |
| 1906         | 18.78                               | 26.19         | 21.92                                | 92                                     | 1927 | 34.58                               | 48.63         | 40.80                                | 170                                    |
| 1909         | 20.48                               | 28.09         | 23.00                                | 96                                     | 1928 | 34.66                               | 48.65         | 40.44                                | 169                                    |
| 1910         | 10.58                               | 28.04         | 23.08                                | 97                                     | 1929 | 34.74                               | 49.08         | 40.52                                | 170                                    |
| 1911         | 19.85                               | 28.33         | 23.25                                | 97                                     | 1930 | 31.14                               | 44.59         | 36.24                                | 152                                    |
| 1912         | 20.46                               | 29.14         | 24.01                                | 101                                    | 1931 | 23.60                               | 35.03         | 27.61                                | 116                                    |
| 1913         | 21.27                               | 30.21         | 24.83                                | 104                                    | 1932 | 17.53                               | 26.67         | 20.46                                | 86                                     |
| 1914         | 20.90                               | 29.72         | 24.26                                | 101                                    | 1933 | 15.86                               | 24.51         | 19.17                                | 80                                     |
| 1915         | 21.08                               | 29.97         | 24.46                                | 102                                    | 1934 | 17.89                               | 27.17         | 21.50                                | 90                                     |
| 1916         | 23.04                               | 32.58         | 26.83                                | 112                                    | 1935 | 19.06                               | 29.48         | 23.45                                | 98                                     |

| Basis of rate and division      | 1934    |         |         |         | 1935    |         |         |         | 1936    |         |
|---------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                                 | Jan.    | Apr.    | July    | Oct.    | Jan.    | Apr.    | July    | Oct.    | Jan.    | Apr.    |
| <b>Per month with board—</b>    |         |         |         |         |         |         |         |         |         |         |
| United States                   | \$15.73 | \$17.70 | \$18.18 | \$18.83 | \$17.04 | \$19.11 | \$20.41 | \$20.57 | \$18.54 | \$20.99 |
| New England                     | 24.40   | 25.74   | 27.52   | 27.07   | 25.99   | 27.46   | 29.09   | 27.44   | 25.44   | 28.06   |
| Middle Atlantic                 | 19.80   | 22.39   | 23.17   | 23.17   | 20.90   | 23.22   | 24.37   | 24.38   | 22.04   | 25.35   |
| East North Central              | 15.69   | 18.95   | 19.24   | 19.74   | 17.36   | 21.62   | 22.84   | 23.46   | 20.66   | 24.94   |
| West North Central              | 14.13   | 18.88   | 19.26   | 19.17   | 15.30   | 21.10   | 23.25   | 23.61   | 18.14   | 24.50   |
| South Atlantic                  | 13.88   | 13.88   | 13.71   | 14.45   | 14.13   | 14.27   | 14.76   | 14.82   | 14.61   | 14.75   |
| East South Central              | 12.72   | 12.60   | 13.09   | 13.21   | 13.15   | 13.71   | 14.03   | 13.96   | 13.78   | 14.09   |
| West South Central              | 14.87   | 15.59   | 16.67   | 16.20   | 15.76   | 16.09   | 16.80   | 17.33   | 18.23   | 18.95   |
| Mountain                        | 23.03   | 26.45   | 28.08   | 28.95   | 25.25   | 37.93   | 31.24   | 32.23   | 28.13   | 29.96   |
| Pacific                         | 25.87   | 30.29   | 31.46   | 33.62   | 30.58   | 32.20   | 37.12   | 35.76   | 33.38   | 36.50   |
| <b>Per month without board—</b> |         |         |         |         |         |         |         |         |         |         |
| United States                   | 24.60   | 28.68   | 27.29   | 27.83   | 28.69   | 28.82   | 30.08   | 30.38   | 28.63   | 30.87   |
| New England                     | 43.96   | 46.55   | 45.12   | 47.68   | 46.02   | 47.46   | 50.45   | 49.94   | 46.52   | 49.44   |
| Middle Atlantic                 | 34.21   | 36.80   | 37.49   | 37.64   | 35.45   | 38.19   | 39.07   | 38.79   | 38.99   | 40.40   |
| East North Central              | 25.06   | 28.29   | 28.48   | 28.83   | 27.62   | 31.63   | 32.79   | 33.58   | 31.14   | 35.73   |
| West North Central              | 23.08   | 27.02   | 27.09   | 27.58   | 24.90   | 30.33   | 32.61   | 33.08   | 28.68   | 33.99   |
| South Atlantic                  | 20.02   | 20.18   | 20.41   | 21.20   | 21.12   | 21.44   | 22.02   | 21.95   | 21.68   | 21.98   |
| East South Central              | 17.88   | 18.12   | 18.46   | 19.40   | 19.40   | 19.89   | 20.09   | 20.03   | 20.03   | 20.70   |
| West South Central              | 22.80   | 22.90   | 22.98   | 23.45   | 23.23   | 23.93   | 24.28   | 24.70   | 24.21   | 24.63   |
| Mountain                        | 34.54   | 39.54   | 41.02   | 41.29   | 37.60   | 40.98   | 44.31   | 46.85   | 41.78   | 44.05   |
| Pacific                         | 45.68   | 48.42   | 51.39   | 53.68   | 60.89   | 52.58   | 57.53   | 57.27   | 54.32   | 56.56   |
| <b>Per day with board—</b>      |         |         |         |         |         |         |         |         |         |         |
| United States                   | .87     | .93     | .97     | 1.00    | .92     | .97     | 1.05    | 1.11    | 1.00    | 1.05    |
| New England                     | 1.43    | 1.47    | 1.62    | 1.61    | 1.52    | 1.57    | 1.68    | 1.66    | 1.49    | 1.61    |
| Middle Atlantic                 | 1.24    | 1.31    | 1.39    | 1.46    | 1.30    | 1.35    | 1.45    | 1.47    | 1.35    | 1.42    |
| East North Central              | .94     | 1.04    | 1.08    | 1.13    | 1.02    | 1.11    | 1.23    | 1.33    | 1.18    | 1.27    |
| West North Central              | .88     | .97     | 1.03    | 1.04    | .90     | 1.03    | 1.19    | 1.35    | 1.04    | 1.16    |
| South Atlantic                  | .71     | .72     | .76     | .77     | .74     | .75     | .77     | .78     | .76     | .77     |
| East South Central              | .62     | .66     | .65     | .60     | .66     | .69     | .69     | .71     | .70     | .71     |
| West South Central              | .78     | .80     | .82     | .82     | .78     | .78     | .87     | .87     | .82     | .82     |
| Mountain                        | 1.13    | 1.23    | 1.31    | 1.35    | 1.23    | 1.32    | 1.46    | 1.54    | 1.38    | 1.43    |
| Pacific                         | 1.30    | 1.40    | 1.56    | 1.57    | 1.46    | 1.50    | 1.66    | 1.70    | 1.58    | 1.62    |
| <b>Per day without board—</b>   |         |         |         |         |         |         |         |         |         |         |
| United States                   | 1.21    | 1.27    | 1.30    | 1.34    | 1.26    | 1.34    | 1.41    | 1.47    | 1.37    | 1.43    |
| New England                     | 2.09    | 2.16    | 2.27    | 2.29    | 2.15    | 2.24    | 2.31    | 2.31    | 2.22    | 2.31    |
| Middle Atlantic                 | 1.75    | 1.82    | 1.95    | 1.98    | 1.83    | 1.93    | 2.01    | 2.01    | 1.88    | 2.00    |
| East North Central              | 1.30    | 1.39    | 1.43    | 1.49    | 1.38    | 1.53    | 1.62    | 1.75    | 1.60    | 1.71    |
| West North Central              | 1.23    | 1.37    | 1.41    | 1.44    | 1.28    | 1.46    | 1.65    | 1.81    | 1.48    | 1.65    |
| South Atlantic                  | .93     | .96     | .97     | 1.02    | .99     | .99     | 1.01    | 1.08    | 1.01    | 1.03    |
| East South Central              | .84     | .86     | .86     | .89     | .87     | .92     | .91     | .92     | .92     | .92     |
| West South Central              | 1.03    | 1.02    | 1.01    | 1.06    | 1.03    | 1.04    | 1.11    | 1.11    | 1.07    | 1.08    |
| Mountain                        | 1.86    | 1.71    | 1.78    | 1.85    | 1.71    | 1.79    | 1.95    | 2.05    | 1.87    | 1.95    |
| Pacific                         | 2.00    | 2.11    | 2.23    | 2.30    | 2.17    | 2.24    | 2.37    | 2.42    | 2.36    | 2.40    |

Sources: Bureau of Agricultural Economics, Department of Agriculture.

| Division and State | Telephones      |                       | Water piped into dwelling |                       | Water piped into bath-room |                       | Dwellings lighted by electricity |                       | Automobiles |                 |                       |
|--------------------|-----------------|-----------------------|---------------------------|-----------------------|----------------------------|-----------------------|----------------------------------|-----------------------|-------------|-----------------|-----------------------|
|                    | Farms reporting | Per cent of all farms | Farms reporting           | Per cent of all farms | Farms reporting            | Per cent of all farms | Farms reporting                  | Per cent of all farms | Number      | Farms reporting | Per cent of all farms |
| United States      | 2,139,194       | 34.0                  | 894,202                   | 15.8                  | 631,248                    | 8.4                   | 841,310                          | 13.4                  | 4,134,876   | 3,650,008       | 58.0                  |
| New England        | 76,284          | 61.1                  | 79,816                    | 63.9                  | 32,694                     | 26.2                  | 53,655                           | 43.9                  | 89,287      | 75,586          | 60.5                  |
| Maine              | 22,139          | 56.9                  | 19,121                    | 49.0                  | 4,918                      | 12.6                  | 12,020                           | 33.1                  | 20,227      | 23,015          | 59.0                  |
| New Hampshire      | 9,313           | 62.5                  | 10,065                    | 73.8                  | 3,857                      | 25.9                  | 6,180                            | 41.3                  | 11,079      | 9,283           | 62.3                  |
| Vermont            | 16,063          | 60.6                  | 18,013                    | 72.3                  | 6,185                      | 24.8                  | 7,556                            | 30.4                  | 18,620      | 15,525          | 63.6                  |
| Massachusetts      | 16,581          | 64.8                  | 19,063                    | 74.5                  | 10,030                     | 42.7                  | 10,037                           | 62.0                  | 17,038      | 14,737          | 67.6                  |
| Rhode Island       | 1,742           | 52.4                  | 1,887                     | 56.8                  | 1,027                      | 30.9                  | 1,010                            | 37.5                  | 2,669       | 2,055           | 61.9                  |
| Connecticut        | 11,306          | 66.1                  | 10,716                    | 62.3                  | 5,768                      | 33.5                  | 9,003                            | 52.7                  | 13,154      | 10,645          | 61.9                  |
| Middle Atlantic    | 161,877         | 45.3                  | 135,699                   | 37.9                  | 63,798                     | 17.8                  | 114,098                          | 31.9                  | 318,509     | 264,084         | 71.1                  |
| New York           | 78,185          | 48.9                  | 59,276                    | 37.1                  | 29,555                     | 18.5                  | 55,019                           | 34.4                  | 141,910     | 115,010         | 72.0                  |
| New Jersey         | 10,373          | 40.9                  | 12,359                    | 48.7                  | 8,102                      | 32.2                  | 13,441                           | 53.0                  | 22,371      | 17,782          | 70.1                  |
| Pennsylvania       | 73,321          | 42.5                  | 64,064                    | 37.2                  | 20,040                     | 15.1                  | 46,038                           | 26.5                  | 152,222     | 121,202         | 70.3                  |
| East North Central | 560,462         | 68.0                  | 211,272                   | 21.9                  | 92,489                     | 9.6                   | 202,656                          | 21.0                  | 875,687     | 770,108         | 79.7                  |
| Ohio               | 121,214         | 55.8                  | 64,104                    | 26.2                  | 24,320                     | 11.1                  | 59,740                           | 25.9                  | 201,552     | 172,078         | 78.5                  |
| Indiana            | 110,333         | 60.8                  | 85,451                    | 19.5                  | 14,380                     | 7.9                   | 30,385                           | 10.7                  | 154,656     | 141,374         | 77.9                  |
| Illinois           | 147,072         | 68.8                  | 42,391                    | 19.8                  | 23,583                     | 11.0                  | 34,231                           | 10.0                  | 192,873     | 170,000         | 79.5                  |
| Michigan           | 73,757          | 43.5                  | 40,872                    | 24.1                  | 15,073                     | 9.3                   | 34,785                           | 20.5                  | 150,922     | 138,555         | 78.9                  |
| Wisconsin          | 107,486         | 59.1                  | 28,404                    | 15.7                  | 14,533                     | 8.0                   | 40,606                           | 25.6                  | 170,704     | 162,485         | 83.9                  |
| West North Central | 794,545         | 65.1                  | 180,402                   | 16.2                  | 94,108                     | 8.5                   | 148,989                          | 13.2                  | 1,075,678   | 920,814         | 82.8                  |
| Minnesota          | 114,603         | 61.9                  | 23,124                    | 12.5                  | 11,183                     | 6.0                   | 23,342                           | 12.6                  | 185,717     | 159,872         | 80.0                  |
| Iowa               | 180,876         | 84.2                  | 51,035                    | 24.0                  | 31,435                     | 14.6                  | 40,042                           | 21.4                  | 240,512     | 193,510         | 90.2                  |
| Missouri           | 137,712         | 53.8                  | 21,308                    | 8.3                   | 10,881                     | 4.3                   | 20,223                           | 7.9                   | 170,460     | 104,087         | 64.1                  |
| North Dakota       | 31,878          | 40.0                  | 5,844                     | 7.5                   | 2,537                      | 3.3                   | 6,192                            | 7.9                   | 78,798      | 67,490          | 80.0                  |
| South Dakota       | 44,008          | 53.0                  | 12,089                    | 14.5                  | 4,997                      | 5.0                   | 9,070                            | 10.9                  | 81,923      | 71,965          | 80.5                  |
| Nebraska           | 93,888          | 72.5                  | 38,397                    | 20.0                  | 17,817                     | 13.8                  | 21,380                           | 10.5                  | 141,444     | 118,580         | 81.8                  |
| Kansas             | 120,890         | 72.8                  | 28,045                    | 16.9                  | 15,598                     | 9.4                   | 20,720                           | 12.5                  | 171,018     | 145,224         | 87.5                  |
| South Atlantic     | 117,484         | 11.1                  | 66,763                    | 6.3                   | 41,364                     | 3.9                   | 64,173                           | 6.1                   | 481,693     | 445,454         | 42.1                  |
| Delaware           | 2,420           | 24.9                  | 1,500                     | 15.5                  | 1,033                      | 10.3                  | 1,561                            | 16.1                  | 8,724       | 7,498           | 77.2                  |
| Maryland           | 11,935          | 27.6                  | 10,354                    | 24.0                  | 6,173                      | 14.3                  | 9,145                            | 21.2                  | 37,072      | 30,519          | 70.6                  |
| Dist. of Col.      | 69              | 66.3                  | 46                        | 46.2                  | 43                         | 41.3                  | 67                               | 64.4                  | 60          | 45              | 48.3                  |
| Virginia           | 30,418          | 17.8                  | 15,291                    | 9.0                   | 10,032                     | 5.9                   | 13,009                           | 7.6                   | 88,403      | 80,296          | 47.1                  |
| West Virginia      | 28,117          | 34.0                  | 9,650                     | 11.7                  | 3,848                      | 4.7                   | 5,330                            | 6.6                   | 30,078      | 33,434          | 44.5                  |
| North Carolina     | 19,852          | 7.1                   | 9,308                     | 3.3                   | 5,351                      | 1.9                   | 15,006                           | 5.4                   | 132,876     | 125,190         | 44.8                  |
| South Carolina     | 6,357           | 4.0                   | 5,170                     | 3.3                   | 3,767                      | 2.4                   | 6,007                            | 3.8                   | 61,754      | 59,020          | 37.4                  |
| Georgia            | 14,771          | 5.8                   | 7,877                     | 3.1                   | 4,050                      | 1.9                   | 7,499                            | 2.9                   | 88,470      | 85,270          | 33.4                  |
| Florida            | 3,525           | 6.0                   | 7,559                     | 12.8                  | 6,158                      | 10.4                  | 6,489                            | 11.0                  | 20,387      | 24,161          | 41.0                  |
| East South Central | 142,204         | 13.4                  | 27,171                    | 2.6                   | 17,316                     | 1.6                   | 31,652                           | 3.0                   | 335,003     | 320,040         | 30.2                  |
| Kentucky           | 61,631          | 25.0                  | 8,378                     | 3.4                   | 5,128                      | 2.1                   | 10,691                           | 4.3                   | 86,784      | 82,034          | 33.3                  |
| Tennessee          | 45,205          | 18.4                  | 8,018                     | 3.4                   | 4,903                      | 2.0                   | 10,010                           | 4.1                   | 89,022      | 84,067          | 34.2                  |
| Alabama            | 10,510          | 7.6                   | 5,182                     | 2.0                   | 3,194                      | 1.2                   | 6,459                            | 2.5                   | 73,634      | 71,167          | 27.6                  |
| Mississippi        | 16,858          | 6.1                   | 5,598                     | 1.8                   | 4,091                      | 1.3                   | 4,792                            | 1.5                   | 85,563      | 83,872          | 26.7                  |
| West South Central | 181,647         | 16.5                  | 85,376                    | 8.0                   | 50,281                     | 4.6                   | 40,240                           | 3.6                   | 536,041     | 508,648         | 45.6                  |
| Arkansas           | 25,046          | 10.3                  | 3,600                     | 1.5                   | 2,392                      | 1.0                   | 5,121                            | 2.1                   | 65,935      | 63,800          | 26.3                  |
| Louisiana          | 6,106           | 3.8                   | 4,064                     | 3.1                   | 3,841                      | 2.4                   | 4,174                            | 2.6                   | 43,082      | 41,453          | 25.7                  |
| Oklahoma           | 53,149          | 26.1                  | 10,820                    | 5.3                   | 6,521                      | 3.2                   | 8,091                            | 4.0                   | 127,448     | 117,537         | 67.7                  |
| Texas              | 97,346          | 19.6                  | 68,902                    | 13.9                  | 37,527                     | 7.6                   | 22,854                           | 4.6                   | 300,176     | 280,758         | 56.7                  |
| Mountain           | 68,217          | 28.3                  | 43,324                    | 20.0                  | 26,303                     | 10.9                  | 49,173                           | 20.4                  | 183,020     | 163,308         | 67.7                  |
| Montana            | 9,697           | 20.4                  | 5,382                     | 11.3                  | 2,608                      | 5.5                   | 3,647                            | 7.5                   | 38,166      | 34,477          | 72.6                  |
| Idaho              | 15,733          | 37.8                  | 9,970                     | 23.9                  | 5,227                      | 12.5                  | 12,809                           | 30.7                  | 33,066      | 30,776          | 73.8                  |
| Wyoming            | 4,483           | 28.0                  | 1,995                     | 12.5                  | 982                        | 6.1                   | 1,145                            | 7.2                   | 12,824      | 11,462          | 71.6                  |
| Colorado           | 23,877          | 39.8                  | 12,314                    | 20.5                  | 6,183                      | 10.3                  | 9,393                            | 15.7                  | 52,258      | 45,546          | 76.0                  |
| New Mexico         | 2,879           | 9.2                   | 2,804                     | 8.9                   | 1,620                      | 5.2                   | 1,691                            | 5.4                   | 15,995      | 14,091          | 44.9                  |
| Arizona            | 2,672           | 18.9                  | 4,083                     | 28.8                  | 2,772                      | 19.6                  | 3,071                            | 25.9                  | 9,016       | 8,211           | 57.9                  |
| Utah               | 7,416           | 27.3                  | 10,561                    | 38.9                  | 6,157                      | 22.7                  | 15,778                           | 58.1                  | 17,574      | 16,343          | 60.2                  |
| Nevada             | 1,460           | 42.4                  | 1,215                     | 35.3                  | 748                        | 21.7                  | 1,139                            | 33.1                  | 2,021       | 2,307           | 60.6                  |
| Pacific            | 106,492         | 40.7                  | 166,890                   | 59.7                  | 119,947                    | 43.2                  | 138,394                          | 52.9                  | 240,277     | 196,488         | 76.1                  |
| Washington         | 31,764          | 44.8                  | 34,476                    | 48.6                  | 20,726                     | 29.2                  | 34,956                           | 48.0                  | 55,995      | 50,769          | 71.6                  |
| Oregon             | 26,557          | 48.2                  | 24,265                    | 44.0                  | 15,217                     | 27.6                  | 18,397                           | 33.4                  | 47,440      | 41,511          | 75.3                  |
| California         | 48,171          | 35.5                  | 97,639                    | 72.0                  | 77,004                     | 56.8                  | 85,941                           | 63.3                  | 136,842     | 104,206         | 76.8                  |

Source: Bureau of the Census, Department of Commerce.

## FACILITIES: BY STATES, 1930

| Motor trucks |                 |                       | Tractors |                 |                       | Electric motors for farm work |                 |                       | Stationary gas engines |                 |                       | Division and State |
|--------------|-----------------|-----------------------|----------|-----------------|-----------------------|-------------------------------|-----------------|-----------------------|------------------------|-----------------|-----------------------|--------------------|
| Number       | Farms reporting | Per cent of all farms | Number   | Farms reporting | Per cent of all farms | Number                        | Farms reporting | Per cent of all farms | Number                 | Farms reporting | Per cent of all farms |                    |
| 900, 885     | 845, 335        | 13. 4                 | 920, 021 | 851, 457        | 13. 5                 | 386, 191                      | 256, 663        | 4. 1                  | 1,131,108              | 945, 000        | 15. 0                 | U. S.              |
| 37, 972      | 33, 328         | 28. 7                 | 14, 108  | 13, 111         | 10. 5                 | 28, 706                       | 14, 792         | 11. 8                 | 34, 481                | 27, 828         | 22. 8                 | N. E.              |
| 10, 781      | 0, 879          | 25. 3                 | 3, 410   | 3, 214          | 8. 2                  | 5, 575                        | 3, 447          | 8. 8                  | 8, 342                 | 7, 005          | 18. 0                 | Maine              |
| 4, 639       | 4, 051          | 27. 2                 | 1, 096   | 1, 013          | 6. 8                  | 2, 416                        | 1, 561          | 10. 5                 | 3, 725                 | 3, 020          | 20. 3                 | N. H.              |
| 5, 035       | 4, 625          | 18. 6                 | 2, 426   | 2, 342          | 9. 4                  | 3, 645                        | 2, 358          | 9. 5                  | 10, 962                | 8, 437          | 33. 9                 | Vt.                |
| 9, 772       | 7, 982          | 31. 2                 | 3, 921   | 3, 553          | 13. 9                 | 6, 846                        | 4, 266          | 16. 7                 | 5, 233                 | 4, 328          | 16. 9                 | Mass.              |
| 1, 701       | 1, 366          | 41. 1                 | 589      | 516             | 15. 5                 | 1, 181                        | 645             | 19. 4                 | 707                    | 544             | 16. 4                 | R. I.              |
| 0, 844       | 5, 425          | 31. 5                 | 2, 067   | 2, 463          | 14. 3                 | 4, 043                        | 2, 514          | 14. 6                 | 5, 462                 | 4, 494          | 20. 1                 | Conn.              |
| 120, 789     | 109, 756        | 30. 7                 | 81, 970  | 76, 719         | 21. 5                 | 45, 682                       | 32, 311         | 9. 0                  | 131, 099               | 103, 864        | 29. 0                 | M. A.              |
| 58, 974      | 54, 084         | 33. 8                 | 40, 369  | 37, 790         | 23. 6                 | 24, 342                       | 16, 012         | 10. 0                 | 64, 723                | 50, 094         | 31. 3                 | N. Y.              |
| 14, 753      | 12, 504         | 49. 0                 | 8, 083   | 7, 241          | 28. 5                 | 5, 879                        | 4, 102          | 16. 2                 | 9, 036                 | 6, 983          | 27. 4                 | N. J.              |
| 47, 092      | 43, 168         | 25. 0                 | 33, 513  | 31, 688         | 18. 4                 | 18, 461                       | 12, 197         | 7. 1                  | 57, 340                | 46, 807         | 27. 1                 | Pa.                |
| 198, 172     | 189, 040        | 19. 6                 | 249, 333 | 238, 995        | 24. 7                 | 96, 552                       | 65, 344         | 6. 8                  | 334, 688               | 281, 878        | 29. 2                 | E. N. C.           |
| 89, 210      | 30, 993         | 16. 7                 | 52, 974  | 50, 995         | 23. 1                 | 21, 278                       | 14, 000         | 6. 4                  | 52, 508                | 45, 103         | 20. 6                 | Ohio.              |
| 30, 037      | 28, 468         | 15. 7                 | 41, 979  | 40, 402         | 22. 3                 | 11, 030                       | 7, 795          | 4. 3                  | 39, 380                | 35, 192         | 19. 4                 | Ind.               |
| 40, 371      | 38, 577         | 18. 1                 | 69, 628  | 66, 172         | 30. 8                 | 15, 557                       | 10, 432         | 4. 9                  | 79, 300                | 66, 640         | 31. 1                 | Ill.               |
| 36, 768      | 34, 894         | 20. 6                 | 34, 579  | 33, 098         | 19. 5                 | 14, 892                       | 10, 285         | 6. 1                  | 55, 369                | 46, 574         | 27. 6                 | Mich.              |
| 51, 780      | 50, 108         | 27. 6                 | 50, 173  | 48, 630         | 26. 8                 | 33, 795                       | 22, 812         | 12. 6                 | 108, 134               | 88, 394         | 48. 6                 | Wis.               |
| 180, 857     | 174, 764        | 15. 7                 | 318, 180 | 295, 180        | 28. 5                 | 78, 008                       | 49, 872         | 4. 5                  | 422, 474               | 356, 995        | 32. 1                 | W. N. C.           |
| 38, 657      | 35, 503         | 19. 2                 | 48, 457  | 46, 171         | 24. 9                 | 10, 326                       | 11, 721         | 6. 3                  | 112, 376               | 93, 382         | 50. 4                 | Minn.              |
| 32, 669      | 31, 874         | 14. 8                 | 60, 285  | 53, 190         | 23. 4                 | 27, 801                       | 17, 277         | 8. 0                  | 114, 977               | 94, 772         | 44. 1                 | Iowa.              |
| 20, 132      | 10, 215         | 7. 5                  | 24, 999  | 23, 673         | 9. 2                  | 4, 949                        | 3, 580          | 1. 4                  | 31, 715                | 27, 447         | 10. 7                 | Mo.                |
| 10, 990      | 10, 502         | 21. 2                 | 37, 005  | 34, 148         | 43. 8                 | 4, 878                        | 3, 203          | 4. 1                  | 44, 165                | 35, 226         | 45. 2                 | N. D.              |
| 14, 816      | 14, 485         | 17. 4                 | 33, 837  | 30, 972         | 37. 2                 | 4, 680                        | 3, 283          | 3. 9                  | 34, 475                | 29, 765         | 35. 8                 | S. D.              |
| 26, 045      | 25, 170         | 10. 4                 | 40, 729  | 37, 955         | 29. 3                 | 8, 303                        | 5, 807          | 4. 3                  | 45, 002                | 41, 945         | 32. 4                 | Nebr.              |
| 33, 043      | 32, 000         | 10. 3                 | 66, 275  | 59, 075         | 35. 6                 | 7, 463                        | 5, 101          | 3. 1                  | 38, 861                | 34, 428         | 20. 7                 | Kans.              |
| 94, 946      | 88, 019         | 8. 3                  | 47, 370  | 43, 983         | 4. 2                  | 16, 093                       | 11, 209         | 1. 1                  | 42, 900                | 38, 595         | 3. 5                  | S. A.              |
| 2, 996       | 2, 781          | 28. 6                 | 1, 000   | 1, 447          | 14. 9                 | 513                           | 384             | 4. 0                  | 1, 788                 | 1, 453          | 15. 0                 | Del.               |
| 11, 284      | 10, 205         | 23. 6                 | 7, 208   | 6, 744          | 15. 6                 | 3, 669                        | 2, 557          | 5. 9                  | 0, 330                 | 7, 332          | 18. 1                 | Md.                |
| 81           | 57              | 54. 8                 | 17       | 15              | 14. 4                 | 8                             | 7               | 6. 7                  | 10                     | 8               | 7. 7                  | D. C.              |
| 10, 459      | 17, 994         | 10. 5                 | 9, 757   | 9, 142          | 5. 4                  | 3, 632                        | 2, 427          | 1. 4                  | 10, 208                | 8, 959          | 5. 3                  | Va.                |
| 7, 432       | 0, 936          | 8. 4                  | 2, 792   | 2, 641          | 3. 2                  | 1, 269                        | 884             | 1. 1                  | 4, 314                 | 3, 705          | 4. 5                  | N. Va.             |
| 18, 568      | 17, 013         | 6. 3                  | 11, 426  | 11, 034         | 3. 9                  | 2, 320                        | 1, 633          | 6. 6                  | 4, 981                 | 4, 547          | 1. 6                  | W. C.              |
| 6, 906       | 6, 575          | 4. 2                  | 3, 462   | 3, 220          | 2. 0                  | 945                           | 757             | 5. 6                  | 2, 677                 | 2, 358          | 1. 5                  | S. C.              |
| 15, 967      | 15, 036         | 6. 0                  | 5, 870   | 5, 349          | 2. 1                  | 1, 246                        | 968             | 4. 4                  | 5, 000                 | 4, 130          | 1. 6                  | Ga.                |
| 12, 203      | 10, 852         | 18. 4                 | 5, 244   | 4, 382          | 7. 4                  | 2, 481                        | 1, 592          | 2. 7                  | 4, 502                 | 3, 603          | 6. 1                  | Fla.               |
| 45, 568      | 43, 234         | 4. 1                  | 24, 393  | 22, 584         | 2. 1                  | 4, 691                        | 3, 509          | 3                     | 14, 892                | 13, 284         | 1. 3                  | E. S. C.           |
| 7, 188       | 6, 740          | 2. 7                  | 7, 322   | 6, 951          | 2. 8                  | 1, 484                        | 1, 121          | 5                     | 5, 326                 | 4, 821          | 2. 0                  | Ky.                |
| 9, 039       | 8, 663          | 3. 5                  | 6, 865   | 6, 556          | 2. 7                  | 1, 003                        | 1, 210          | 5                     | 4, 895                 | 4, 382          | 1. 8                  | Tenn.              |
| 12, 338      | 12, 169         | 4. 7                  | 4, 664   | 4, 259          | 1. 7                  | 972                           | 678             | 3                     | 2, 485                 | 2, 154          | . 8                   | Ala.               |
| 18, 503      | 15, 762         | 5. 0                  | 5, 542   | 4, 818          | 1. 5                  | 632                           | 494             | 2                     | 2, 186                 | 1, 927          | . 6                   | Miss.              |
| 98, 781      | 92, 300         | 8. 4                  | 74, 010  | 63, 177         | 5. 7                  | 9, 882                        | 7, 305          | 7                     | 35, 706                | 30, 671         | 2. 6                  | W. S. C.           |
| 11, 000      | 10, 526         | 4. 3                  | 5, 684   | 4, 263          | 1. 8                  | 1, 460                        | 1, 056          | 4                     | 4, 730                 | 3, 911          | 1. 6                  | Ark.               |
| 9, 281       | 8, 769          | 5. 4                  | 5, 016   | 3, 810          | 2. 4                  | 633                           | 510             | 3                     | 2, 639                 | 2, 072          | 1. 3                  | La.                |
| 23, 930      | 23, 039         | 11. 3                 | 25, 962  | 23, 328         | 11. 4                 | 2, 418                        | 1, 688          | 8                     | 9, 363                 | 8, 499          | 4. 2                  | Okla.              |
| 62, 580      | 49, 966         | 10. 1                 | 37, 348  | 31, 776         | 6. 4                  | 5, 351                        | 4, 051          | 3                     | 18, 974                | 16, 189         | 3. 3                  | Tex.               |
| 55, 742      | 52, 485         | 21. 8                 | 48, 007  | 43, 171         | 17. 9                 | 17, 551                       | 11, 751         | 4. 9                  | 46, 133                | 38, 671         | 16. 0                 | Mt.                |
| 14, 615      | 13, 783         | 20. 0                 | 10, 031  | 17, 093         | 30. 0                 | 1, 708                        | 1, 088          | 2. 3                  | 13, 639                | 11, 588         | 24. 4                 | Mont.              |
| 6, 281       | 5, 986          | 14. 4                 | 4, 691   | 4, 377          | 10. 5                 | 6, 713                        | 4, 406          | 10. 8                 | 10, 024                | 8, 252          | 19. 8                 | Idaho.             |
| 4, 108       | 3, 820          | 23. 9                 | 4, 110   | 3, 740          | 23. 4                 | 481                           | 315             | 2. 0                  | 3, 424                 | 2, 929          | 18. 3                 | Wyo.               |
| 16, 918      | 16, 052         | 26. 8                 | 13, 333  | 12, 020         | 20. 1                 | 3, 299                        | 2, 289          | 3. 8                  | 11, 470                | 9, 970          | 16. 6                 | Colo.              |
| 5, 328       | 5, 024          | 16. 0                 | 2, 497   | 2, 227          | 7. 1                  | 580                           | 393             | 1. 3                  | 2, 018                 | 1, 567          | 5. 0                  | N. M.              |
| 3, 062       | 2, 710          | 10. 2                 | 2, 558   | 2, 043          | 14. 4                 | 2, 064                        | 1, 427          | 10. 1                 | 3, 095                 | 2, 357          | 16. 6                 | Ariz.              |
| 4, 189       | 3, 986          | 14. 7                 | 1, 426   | 1, 335          | 4. 9                  | 1, 756                        | 1, 269          | 4. 7                  | 1, 236                 | 1, 111          | 4. 1                  | Utah.              |
| 1, 241       | 1, 118          | 32. 5                 | 360      | 318             | 9. 2                  | 960                           | 664             | 16. 4                 | 1, 227                 | 897             | 26. 1                 | Nev.               |
| 69, 548      | 62, 408         | 23. 8                 | 62, 663  | 54, 587         | 20. 8                 | 91, 058                       | 60, 470         | 23. 1                 | 68, 735                | 55, 214         | 21. 1                 | Pac.               |
| 18, 836      | 17, 622         | 24. 9                 | 8, 388   | 7, 890          | 11. 1                 | 15, 788                       | 10, 751         | 15. 2                 | 18, 762                | 15, 373         | 21. 7                 | Wash.              |
| 9, 741       | 9, 110          | 16. 5                 | 9, 838   | 9, 157          | 16. 6                 | 9, 010                        | 8, 043          | 11. 0                 | 17, 189                | 13, 633         | 24. 7                 | Oreg.              |
| 40, 971      | 35, 674         | 26. 3                 | 44, 437  | 37, 510         | 27. 6                 | 66, 260                       | 43, 676         | 32. 2                 | 32, 784                | 26, 208         | 19. 3                 | Calif.             |

## No. 572.—FERTILIZER: ESTIMATED SALES IN THE UNITED STATES

NOTE.—Data are based on fertilizer tag sales for some States and are compiled by State authorities from sales records, etc., for others, as indicated by footnotes. For 1920, census data have been used in many cases. Other figures are estimates made by State authorities or the office of the National Fertilizer Association. Estimates for a few States for 1930 and 1932 to 1934 have been revised and differ from those previously published.

[In tons of 2,000 pounds]

| Division and State              | 1928             | 1929             | 1930             | 1931             | 1932             | 1933             | 1934             | 1935<br>(prel.)  |
|---------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| <b>United States</b> .....      | <b>7,885,019</b> | <b>8,078,548</b> | <b>8,183,287</b> | <b>8,306,083</b> | <b>4,335,807</b> | <b>4,859,299</b> | <b>5,544,971</b> | <b>6,181,321</b> |
| <b>New England</b> .....        | <b>366,119</b>   | <b>367,465</b>   | <b>366,840</b>   | <b>362,594</b>   | <b>298,220</b>   | <b>268,220</b>   | <b>279,231</b>   | <b>282,503</b>   |
| Maine.....                      | 178,760          | 186,650          | 196,650          | 195,000          | 155,000          | 135,000          | 138,000          | 125,000          |
| New Hampshire.....              | 16,900           | 11,500           | 11,500           | 10,500           | 11,000           | 12,000           | 14,000           | 16,000           |
| Vermont.....                    | 16,911           | 14,905           | 16,069           | 15,031           | 11,767           | 9,260            | 13,087           | 15,295           |
| Massachusetts.....              | 70,458           | 68,011           | 66,621           | 65,063           | 61,963           | 54,077           | 57,644           | 63,208           |
| Rhode Island.....               | 10,100           | 7,900            | 8,000            | 7,000            | 6,500            | 8,000            | 11,500           | 12,000           |
| Connecticut.....                | 72,000           | 68,809           | 69,000           | 70,000           | 82,000           | 47,000           | 45,000           | 51,000           |
| <b>Middle Atlantic</b> .....    | <b>743,558</b>   | <b>788,438</b>   | <b>778,180</b>   | <b>897,927</b>   | <b>589,518</b>   | <b>577,492</b>   | <b>632,047</b>   | <b>668,874</b>   |
| New York.....                   | 260,000          | 287,959          | 288,000          | 260,000          | 210,000          | 218,000          | 226,000          | 234,000          |
| New Jersey.....                 | 143,574          | 182,361          | 156,445          | 150,800          | 137,651          | 127,515          | 138,060          | 140,408          |
| Pennsylvania.....               | 339,984          | 348,119          | 333,715          | 287,127          | 241,855          | 231,977          | 267,987          | 275,466          |
| <b>East North Central</b> ..... | <b>756,711</b>   | <b>820,402</b>   | <b>788,274</b>   | <b>592,469</b>   | <b>374,875</b>   | <b>420,434</b>   | <b>541,422</b>   | <b>668,896</b>   |
| Ohio.....                       | 320,898          | 335,662          | 327,179          | 249,305          | 189,239          | 208,809          | 293,773          | 300,509          |
| Indiana.....                    | 221,082          | 260,201          | 224,055          | 166,006          | 80,384           | 97,862           | 149,003          | 194,946          |
| Illinois.....                   | 30,509           | 38,056           | 40,818           | 31,900           | 16,339           | 17,392           | 18,977           | 23,827           |
| Michigan.....                   | 150,213          | 152,812          | 145,000          | 105,689          | 82,400           | 80,000           | 90,000           | 105,000          |
| Wisconsin.....                  | 33,041           | 40,671           | 51,222           | 45,610           | 26,513           | 16,311           | 19,669           | 28,414           |
| <b>West North Central</b> ..... | <b>99,565</b>    | <b>107,638</b>   | <b>109,714</b>   | <b>93,275</b>    | <b>48,993</b>    | <b>48,914</b>    | <b>72,423</b>    | <b>83,072</b>    |
| Minnesota.....                  | 14,211           | 15,803           | 16,264           | 17,698           | 9,320            | 7,267            | 9,165            | 10,776           |
| Iowa.....                       | 10,000           | 21,177           | 24,697           | 22,000           | 10,000           | 6,000            | 5,000            | 5,000            |
| Missouri.....                   | 64,922           | 68,892           | 59,810           | 48,944           | 26,427           | 32,422           | 52,259           | 59,398           |
| North Dakota.....               | 460              | 358              | 1,648            | 1,000            | 400              | 200              | 300              | 300              |
| South Dakota.....               | 220              | 133              | 150              | 150              | 100              | 100              | 100              | 100              |
| Nebraska.....                   | 600              | 732              | 1,000            | 500              | 200              | 200              | 100              | 200              |
| Kansas.....                     | 9,102            | 9,043            | 6,355            | 2,983            | 2,545            | 1,735            | 5,499            | 7,298            |
| <b>South Atlantic</b> .....     | <b>4,181,219</b> | <b>4,048,417</b> | <b>4,123,685</b> | <b>3,809,019</b> | <b>2,353,628</b> | <b>2,748,947</b> | <b>2,988,114</b> | <b>3,285,489</b> |
| Delaware.....                   | 40,817           | 42,736           | 43,000           | 36,361           | 33,120           | 28,477           | 35,700           | 37,800           |
| Maryland.....                   | 173,159          | 180,393          | 177,021          | 146,139          | 124,880          | 132,876          | 146,439          | 164,843          |
| Virginia.....                   | 437,709          | 429,860          | 449,178          | 370,260          | 270,904          | 307,589          | 336,015          | 378,536          |
| West Virginia.....              | 49,700           | 45,058           | 45,000           | 40,000           | 35,000           | 40,000           | 43,600           | 55,000           |
| North Carolina.....             | 1,349,360        | 1,283,572        | 1,242,036        | 1,003,406        | 696,167          | 889,310          | 876,874          | 1,000,071        |
| South Carolina.....             | 788,293          | 760,669          | 749,230          | 598,886          | 446,027          | 581,515          | 572,279          | 613,561          |
| Georgia.....                    | 883,274          | 898,911          | 928,606          | 886,191          | 567,352          | 416,288          | 549,275          | 617,439          |
| Florida.....                    | 468,907          | 427,224          | 488,624          | 418,787          | 381,178          | 352,807          | 423,032          | 418,239          |
| <b>East South Central</b> ..... | <b>1,255,676</b> | <b>1,293,001</b> | <b>1,325,969</b> | <b>841,684</b>   | <b>408,102</b>   | <b>526,640</b>   | <b>676,495</b>   | <b>808,361</b>   |
| Kentucky.....                   | 90,500           | 93,000           | 113,992          | 105,192          | 55,220           | 58,272           | 62,520           | 73,502           |
| Tennessee.....                  | 150,726          | 142,745          | 163,909          | 119,156          | 62,666           | 76,827           | 92,468           | 96,444           |
| Alabama.....                    | 681,100          | 675,450          | 644,350          | 419,650          | 205,400          | 287,350          | 358,550          | 422,400          |
| Mississippi.....                | 333,350          | 327,800          | 403,718          | 197,386          | 84,626           | 104,191          | 162,067          | 214,015          |
| <b>West South Central</b> ..... | <b>422,930</b>   | <b>532,415</b>   | <b>485,039</b>   | <b>238,896</b>   | <b>103,834</b>   | <b>119,210</b>   | <b>178,859</b>   | <b>200,583</b>   |
| Arkansas.....                   | 126,391          | 156,582          | 157,648          | 62,096           | 17,348           | 22,140           | 41,620           | 39,630           |
| Louisiana.....                  | 143,093          | 174,278          | 176,560          | 94,359           | 40,376           | 61,514           | 76,326           | 92,532           |
| Oklahoma.....                   | 8,203            | 9,422            | 6,613            | 7,089            | 2,925            | 1,985            | 4,990            | 6,619            |
| Texas.....                      | 144,043          | 192,133          | 146,218          | 64,852           | 34,185           | 33,571           | 55,923           | 61,802           |
| <b>Mountain</b> .....           | <b>4,558</b>     | <b>10,272</b>    | <b>10,077</b>    | <b>13,870</b>    | <b>9,141</b>     | <b>5,892</b>     | <b>5,371</b>     | <b>10,587</b>    |
| Montana.....                    | 100              | 248              | 250              | 1,000            | 200              | 200              | 200              | 300              |
| Idaho.....                      | 500              | 2,091            | 2,100            | 1,000            | 1,600            | 1,000            | 500              | 1,500            |
| Wyoming.....                    | 300              | 358              | 350              | 700              | 850              | 700              | 850              | 1,308            |
| Colorado.....                   | 728              | 1,175            | 1,200            | 3,875            | 1,700            | 1,000            | 800              | 1,200            |
| New Mexico.....                 | 1,400            | 2,339            | 1,787            | 1,045            | 3,641            | 3,952            | 1,221            | 1,636            |
| Arizona.....                    | 1,000            | 3,704            | 4,000            | 2,100            | 2,000            | 1,000            | 800              | 3,393            |
| Utah.....                       | 500              | 254              | 300              | 4,000            | 2,000            | 1,000            | 500              | 750              |
| Nevada.....                     | 30               | 93               | 90               | 50               | 50               | 50               | 500              | 500              |
| <b>Pacific</b> .....            | <b>140,693</b>   | <b>164,505</b>   | <b>176,489</b>   | <b>180,849</b>   | <b>149,298</b>   | <b>147,540</b>   | <b>172,098</b>   | <b>205,156</b>   |
| Washington.....                 | 15,500           | 21,561           | 21,600           | 17,500           | 12,000           | 12,000           | 14,500           | 16,600           |
| Oregon.....                     | 30,000           | 12,467           | 12,500           | 11,000           | 10,000           | 9,500            | 9,000            | 10,500           |
| California.....                 | 121,183          | 130,477          | 142,489          | 132,349          | 127,298          | 126,040          | 148,598          | 178,156          |

\* Year ended June 30, except data for 1929.

† Agricultural census.

‡ Compiled by State authorities, except as noted.

§ Year ended Mar. 31, except data for 1929.

|| Year ended Oct. 31.

¶ Based on tag sales.

Source: The National Fertilizer Association.

# No. 573.—COOPERATIVE MARKETING AND PURCHASING THROUGH FARMERS' ORGANIZATIONS: BY STATES, 1924 AND 1929

NOTE.—For total number of all farms (base for percentages) see table 552

| Division and State      | Number of farms reporting sales |         |                             | Number of farms reporting purchases |         |                             | Value of farm products sold |         | Value of supplies purchased |         |
|-------------------------|---------------------------------|---------|-----------------------------|-------------------------------------|---------|-----------------------------|-----------------------------|---------|-----------------------------|---------|
|                         | 1924                            | 1929    | Per cent of all farms, 1929 | 1924                                | 1929    | Per cent of all farms, 1929 | 1924                        | 1929    | 1924                        | 1929    |
|                         |                                 |         |                             |                                     |         |                             | Thousands of dollars        |         |                             |         |
| United States.....      | 884,207                         | 891,895 | 11.0                        | 362,745                             | 410,914 | 6.5                         | 853,284                     | 892,481 | 75,971                      | 125,049 |
| New England.....        | 10,845                          | 9,170   | 7.3                         | 10,787                              | 10,897  | 8.7                         | 20,745                      | 21,068  | 5,708                       | 8,802   |
| Maine.....              | 2,555                           | 755     | 1.9                         | 1,895                               | 1,874   | 4.3                         | 3,823                       | 872     | 626                         | 928     |
| New Hampshire.....      | 428                             | 461     | 3.1                         | 1,701                               | 1,647   | 11.0                        | 375                         | 676     | 611                         | 1,118   |
| Vermont.....            | 2,745                           | 4,304   | 17.3                        | 3,186                               | 2,632   | 10.6                        | 3,876                       | 6,807   | 1,485                       | 2,513   |
| Massachusetts.....      | 2,091                           | 1,448   | 5.7                         | 2,278                               | 2,891   | 11.3                        | 4,145                       | 4,988   | 1,462                       | 2,545   |
| Rhode Island.....       | 235                             | 140     | 4.2                         | 213                                 | 145     | 4.5                         | 571                         | 308     | 123                         | 172     |
| Connecticut.....        | 2,791                           | 2,062   | 12.0                        | 1,518                               | 1,905   | 11.1                        | 7,955                       | 7,417   | 1,102                       | 2,581   |
| Middle Atlantic.....    | 39,295                          | 41,088  | 11.5                        | 34,716                              | 30,858  | 8.6                         | 50,274                      | 72,167  | 7,377                       | 16,871  |
| New York.....           | 28,686                          | 28,015  | 17.5                        | 12,509                              | 19,933  | 12.5                        | 87,945                      | 52,623  | 5,928                       | 11,408  |
| New Jersey.....         | 1,401                           | 1,750   | 6.9                         | 1,606                               | 1,899   | 7.5                         | 2,309                       | 5,272   | 957                         | 1,785   |
| Pennsylvania.....       | 11,308                          | 11,303  | 6.6                         | 10,601                              | 9,024   | 5.2                         | 10,020                      | 14,272  | 2,492                       | 3,678   |
| East North Central..... | 205,409                         | 170,992 | 17.7                        | 103,199                             | 115,368 | 11.9                        | 145,068                     | 150,849 | 15,688                      | 24,449  |
| Ohio.....               | 39,985                          | 31,067  | 14.2                        | 24,711                              | 26,736  | 12.2                        | 27,901                      | 26,103  | 3,590                       | 6,168   |
| Indiana.....            | 28,550                          | 20,461  | 11.3                        | 14,568                              | 18,742  | 10.3                        | 17,213                      | 16,687  | 1,774                       | 3,484   |
| Illinois.....           | 52,606                          | 41,857  | 19.5                        | 17,471                              | 16,861  | 7.9                         | 52,828                      | 48,934  | 2,979                       | 3,826   |
| Michigan.....           | 38,730                          | 31,331  | 18.6                        | 25,124                              | 28,721  | 17.0                        | 19,552                      | 16,581  | 8,607                       | 5,767   |
| Wisconsin.....          | 45,528                          | 45,270  | 25.5                        | 21,385                              | 24,308  | 13.4                        | 27,484                      | 42,544  | 3,738                       | 5,194   |
| West North Central..... | 303,190                         | 290,199 | 26.1                        | 140,593                             | 159,993 | 14.4                        | 292,354                     | 310,334 | 25,740                      | 33,579  |
| Minnesota.....          | 79,891                          | 95,639  | 51.6                        | 26,069                              | 39,561  | 21.4                        | 73,261                      | 109,986 | 3,844                       | 5,414   |
| Iowa.....               | 72,639                          | 53,790  | 27.4                        | 34,034                              | 33,183  | 15.4                        | 81,290                      | 74,635  | 6,581                       | 7,462   |
| Missouri.....           | 60,860                          | 47,442  | 18.5                        | 33,343                              | 31,082  | 12.6                        | 32,574                      | 29,448  | 4,587                       | 6,006   |
| North Dakota.....       | 12,913                          | 20,332  | 26.1                        | 5,527                               | 11,065  | 14.2                        | 17,032                      | 20,331  | 1,363                       | 1,622   |
| South Dakota.....       | 17,769                          | 13,141  | 21.8                        | 8,835                               | 11,176  | 13.4                        | 18,851                      | 16,409  | 1,451                       | 2,079   |
| Nebraska.....           | 23,139                          | 23,377  | 18.1                        | 15,461                              | 15,098  | 11.7                        | 32,741                      | 26,649  | 5,715                       | 4,442   |
| Kansas.....             | 30,979                          | 26,228  | 15.8                        | 17,322                              | 17,908  | 10.8                        | 36,805                      | 36,396  | 4,199                       | 5,047   |
| South Atlantic.....     | 90,879                          | 28,662  | 2.7                         | 20,830                              | 15,866  | 1.5                         | 73,377                      | 41,802  | 4,988                       | 6,611   |
| Delaware.....           | 193                             | 64      | .7                          | 416                                 | 189     | 1.9                         | 122                         | 86      | 136                         | 139     |
| Maryland.....           | 0,121                           | 4,533   | 10.6                        | 3,817                               | 3,383   | 7.8                         | 7,293                       | 6,925   | 910                         | 1,178   |
| Virginia.....           | 27,560                          | 4,394   | 2.6                         | 5,768                               | 3,947   | 2.3                         | 20,912                      | 8,792   | 1,256                       | 1,476   |
| West Virginia.....      | 3,106                           | 1,652   | 2.0                         | 2,769                               | 2,268   | 2.7                         | 919                         | 1,207   | 320                         | 389     |
| North Carolina.....     | 22,167                          | 4,606   | 1.6                         | 2,791                               | 2,158   | .8                          | 13,018                      | 2,907   | 450                         | 463     |
| South Carolina.....     | 10,601                          | 2,469   | 1.6                         | 819                                 | 555     | .4                          | 8,922                       | 3,856   | 335                         | 718     |
| Georgia.....            | 13,378                          | 5,142   | 2.0                         | 2,388                               | 1,724   | .7                          | 9,082                       | 3,660   | 304                         | 460     |
| Florida.....            | 7,755                           | 5,802   | 9.8                         | 2,063                               | 1,645   | 2.8                         | 13,104                      | 14,369  | 1,257                       | 1,829   |
| East South Central..... | 91,073                          | 19,670  | 1.9                         | 21,293                              | 15,949  | 1.5                         | 49,827                      | 13,803  | 2,691                       | 2,528   |
| Kentucky.....           | 53,704                          | 4,703   | 1.9                         | 3,308                               | 1,260   | .5                          | 27,515                      | 2,736   | 504                         | 276     |
| Tennessee.....          | 15,303                          | 3,552   | 1.4                         | 4,490                               | 2,872   | 1.2                         | 7,182                       | 1,382   | 445                         | 362     |
| Alabama.....            | 11,365                          | 7,270   | 2.8                         | 7,640                               | 7,662   | 3.0                         | 7,029                       | 3,894   | 1,021                       | 1,360   |
| Mississippi.....        | 10,701                          | 4,056   | 1.3                         | 5,855                               | 4,134   | 1.8                         | 8,101                       | 6,621   | 721                         | 508     |
| West South Central..... | 67,715                          | 42,292  | 3.8                         | 17,720                              | 18,421  | 1.7                         | 75,794                      | 48,177  | 2,703                       | 3,888   |
| Arkansas.....           | 8,861                           | 4,651   | 1.9                         | 3,910                               | 2,519   | 1.0                         | 7,119                       | 3,154   | 460                         | 358     |
| Louisiana.....          | 10,114                          | 7,497   | 4.6                         | 4,393                               | 6,929   | 4.3                         | 8,604                       | 7,075   | 782                         | 1,366   |
| Oklahoma.....           | 19,049                          | 21,715  | 10.7                        | 4,878                               | 5,273   | 2.6                         | 20,854                      | 23,498  | 667                         | 950     |
| Texas.....              | 29,891                          | 8,459   | 1.7                         | 4,589                               | 3,709   | .7                          | 39,147                      | 14,459  | 794                         | 1,208   |
| Mountain.....           | 24,581                          | 28,347  | 11.7                        | 8,000                               | 12,288  | 5.1                         | 35,044                      | 36,703  | 1,710                       | 3,573   |
| Montana.....            | 2,899                           | 5,574   | 11.7                        | 703                                 | 3,034   | 5.4                         | 3,081                       | 6,730   | 135                         | 822     |
| Idaho.....              | 3,272                           | 7,031   | 16.9                        | 1,040                               | 2,174   | 5.2                         | 2,712                       | 7,711   | 144                         | 447     |
| Wyoming.....            | 1,231                           | 2,145   | 13.4                        | 512                                 | 581     | 3.6                         | 1,009                       | 2,466   | 226                         | 218     |
| Colorado.....           | 10,828                          | 6,733   | 11.3                        | 3,703                               | 3,339   | 5.6                         | 21,090                      | 8,400   | 583                         | 804     |
| New Mexico.....         | 2,014                           | 1,443   | 4.8                         | 829                                 | 569     | 1.8                         | 3,254                       | 2,631   | 139                         | 171     |
| Arizona.....            | 523                             | 639     | 4.5                         | 222                                 | 182     | 1.3                         | 1,514                       | 2,953   | 65                          | 95      |
| Utah.....               | 3,775                           | 4,193   | 15.4                        | 974                                 | 2,284   | 8.4                         | 2,368                       | 4,204   | 118                         | 980     |
| Nevada.....             | 39                              | 159     | 15.7                        | 12                                  | 135     | 3.9                         | 16                          | 1,645   | 2                           | 36      |
| Pacific.....            | 51,320                          | 61,495  | 23.5                        | 15,612                              | 31,272  | 11.9                        | 115,871                     | 187,778 | 9,855                       | 24,763  |
| Washington.....         | 13,205                          | 16,737  | 23.6                        | 6,500                               | 11,885  | 16.8                        | 20,554                      | 33,338  | 3,470                       | 9,006   |
| Oregon.....             | 5,590                           | 8,638   | 15.7                        | 2,855                               | 4,502   | 8.2                         | 8,002                       | 11,367  | 1,180                       | 1,445   |
| California.....         | 32,425                          | 36,120  | 26.6                        | 6,254                               | 14,885  | 11.0                        | 87,245                      | 153,073 | 4,755                       | 24,312  |

Source: Bureau of the Census, Department of Commerce.

# No. 574.—FARMERS' BUSINESS ASSOCIATIONS: ASSOCIATIONS, AND ESTIMATED MEMBERSHIP AND BUSINESS, BY STATES AND COMMODITY GROUPS

**NOTE.**—Business in thousands of dollars. Estimates are based on reports received from association officers. Membership includes shareholders, contract members, shippers, consignors, and patrons. Business includes the f. o. b. value at shipping point of farm products sold by the associations, the sales value of farm supplies sold to members, and the revenue derived by associations rendering services such as ginning cotton, warehousing tobacco, storing wheat, etc.

| Division and State              | Associations listed |        |        | Estimated membership |           |           | Estimated business |           |           |
|---------------------------------|---------------------|--------|--------|----------------------|-----------|-----------|--------------------|-----------|-----------|
|                                 | 1933                | 1934   | 1935   | 1933                 | 1934      | 1935      | 1932-33            | 1933-34   | 1934-35   |
| <b>United States</b> .....      | 11,000              | 10,900 | 10,700 | 3,000,000            | 3,156,000 | 3,280,000 | 1,340,000          | 1,305,000 | 1,530,000 |
| <b>New England</b> .....        | 214                 | 202    | 174    | 94,430               | 109,840   | 114,550   | 55,760             | 54,870    | 58,370    |
| Maine.....                      | 50                  | 46     | 41     | 6,500                | 7,760     | 9,070     | 2,760              | 3,460     | 3,410     |
| New Hampshire.....              | 13                  | 12     | 11     | 1,380                | 3,410     | 3,340     | 2,490              | 1,055     | 2,200     |
| Vermont.....                    | 48                  | 44     | 35     | 7,380                | 8,700     | 9,290     | 8,010              | 9,270     | 9,780     |
| Massachusetts.....              | 52                  | 49     | 43     | 70,780               | 80,210    | 83,320    | 31,260             | 31,910    | 34,050    |
| Rhode Island.....               | 6                   | 6      | 3      | 420                  | 1,080     | 1,420     | 550                | 470       | 140       |
| Connecticut.....                | 45                  | 45     | 41     | 7,880                | 8,020     | 8,110     | 9,070              | 8,105     | 8,790     |
| <b>Middle Atlantic</b> .....    | 457                 | 455    | 463    | 225,850              | 206,350   | 212,000   | 168,655            | 159,360   | 169,090   |
| New York.....                   | 239                 | 230    | 255    | 154,300              | 120,280   | 124,200   | 114,200            | 110,300   | 124,620   |
| New Jersey.....                 | 50                  | 52     | 63     | 15,100               | 15,200    | 20,420    | 5,680              | 9,850     | 8,260     |
| Pennsylvania.....               | 168                 | 170    | 155    | 56,100               | 61,900    | 67,380    | 33,690             | 32,120    | 30,310    |
| <b>East North Central</b> ..... | 2,971               | 2,891  | 2,799  | 831,430              | 868,680   | 919,440   | 377,110            | 304,990   | 361,220   |
| Ohio.....                       | 342                 | 333    | 335    | 140,670              | 140,290   | 167,000   | 51,910             | 63,080    | 62,680    |
| Indiana.....                    | 282                 | 270    | 265    | 140,680              | 135,670   | 160,100   | 31,430             | 33,200    | 40,000    |
| Illinois.....                   | 839                 | 786    | 761    | 245,200              | 271,900   | 269,630   | 121,480            | 123,160   | 141,700   |
| Michigan.....                   | 358                 | 360    | 320    | 137,800              | 130,900   | 129,610   | 42,210             | 34,270    | 42,050    |
| Wisconsin.....                  | 1,150               | 1,140  | 1,118  | 161,180              | 183,900   | 192,500   | 60,960             | 62,400    | 73,490    |
| <b>West North Central</b> ..... | 4,817               | 4,794  | 4,695  | 1,072,350            | 1,137,700 | 1,166,470 | 372,030            | 368,120   | 418,560   |
| Minnesota.....                  | 1,448               | 1,458  | 1,410  | 312,480              | 335,450   | 332,100   | 100,170            | 106,840   | 112,560   |
| Iowa.....                       | 1,050               | 1,010  | 1,000  | 243,700              | 239,940   | 259,480   | 89,500             | 85,270    | 109,530   |
| Missouri.....                   | 558                 | 508    | 479    | 150,390              | 166,500   | 174,150   | 45,850             | 52,870    | 61,930    |
| North Dakota.....               | 618                 | 505    | 513    | 68,480               | 73,250    | 87,630    | 25,440             | 27,540    | 25,840    |
| South Dakota.....               | 321                 | 343    | 320    | 80,320               | 78,800    | 82,100    | 25,300             | 10,830    | 17,450    |
| Nebraska.....                   | 488                 | 529    | 534    | 139,410              | 165,210   | 150,770   | 37,740             | 45,100    | 40,100    |
| Kansas.....                     | 436                 | 441    | 433    | 71,670               | 78,550    | 80,240    | 30,030             | 29,610    | 30,150    |
| <b>South Atlantic</b> .....     | 455                 | 425    | 400    | 158,575              | 139,440   | 147,650   | 66,970             | 67,931    | 65,770    |
| Delaware.....                   | 4                   | 3      | 1      | 100                  | 30        | 30        | 40                 | 20        | 20        |
| Maryland.....                   | 44                  | 41     | 38     | 22,690               | 16,450    | 18,430    | 13,680             | 8,860     | 10,820    |
| Dist. of Columbia.....          | 2                   | 2      | 2      | 1,310                | 1,110     | 1,180     | 5,600              | 5,160     | 6,350     |
| Virginia.....                   | 74                  | 86     | 68     | 36,550               | 30,940    | 39,210    | 11,310             | 8,004     | 9,870     |
| West Virginia.....              | 45                  | 30     | 35     | 10,935               | 10,020    | 13,200    | 3,170              | 1,270     | 1,680     |
| North Carolina.....             | 71                  | 60     | 73     | 35,550               | 31,950    | 31,510    | 4,390              | 5,810     | 7,730     |
| South Carolina.....             | 19                  | 19     | 15     | 12,720               | 13,070    | 12,700    | 4,100              | 7,620     | 4,900     |
| Georgia.....                    | 59                  | 50     | 50     | 21,870               | 16,190    | 22,580    | 2,910              | 3,110     | 7,150     |
| Florida.....                    | 137                 | 119    | 115    | 10,800               | 10,030    | 8,750     | 21,680             | 18,077    | 18,370    |
| <b>East South Central</b> ..... | 275                 | 256    | 264    | 104,880              | 183,580   | 218,530   | 30,570             | 49,780    | 55,820    |
| Kentucky.....                   | 48                  | 44     | 42     | 24,940               | 32,280    | 33,140    | 5,440              | 4,940     | 5,870     |
| Tennessee.....                  | 98                  | 93     | 70     | 60,000               | 50,370    | 62,420    | 9,650              | 17,060    | 14,800    |
| Alabama.....                    | 70                  | 74     | 61     | 43,360               | 51,690    | 64,100    | 5,090              | 7,800     | 8,670     |
| Mississippi.....                | 53                  | 45     | 55     | 36,580               | 43,240    | 60,870    | 10,390             | 10,890    | 26,400    |
| <b>West South Central</b> ..... | 568                 | 580    | 633    | 176,220              | 194,910   | 197,900   | 57,210             | 90,187    | 89,790    |
| Arkansas.....                   | 86                  | 72     | 68     | 8,900                | 9,710     | 7,150     | 3,220              | 2,993     | 2,830     |
| Louisiana.....                  | 37                  | 42     | 45     | 26,000               | 26,100    | 30,200    | 10,970             | 13,530    | 17,720    |
| Oklahoma.....                   | 229                 | 214    | 228    | 64,920               | 78,070    | 75,480    | 15,590             | 20,824    | 27,120    |
| Texas.....                      | 216                 | 252    | 292    | 76,400               | 81,030    | 85,070    | 27,430             | 43,840    | 41,170    |
| <b>Mountain</b> .....           | 467                 | 489    | 463    | 111,855              | 133,610   | 135,940   | 54,890             | 58,381    | 66,490    |
| Montana.....                    | 151                 | 160    | 163    | 22,090               | 28,320    | 28,470    | 8,710              | 10,282    | 13,370    |
| Idaho.....                      | 74                  | 74     | 85     | 24,500               | 31,100    | 33,150    | 9,720              | 11,194    | 12,670    |
| Wyoming.....                    | 20                  | 28     | 31     | 5,620                | 7,760     | 6,870     | 1,990              | 2,152     | 2,060     |
| Colorado.....                   | 121                 | 130    | 121    | 34,350               | 38,500    | 42,570    | 19,950             | 18,304    | 20,250    |
| New Mexico.....                 | 19                  | 19     | 22     | 2,780                | 2,900     | 3,480     | 1,580              | 1,600     | 2,340     |
| Arizona.....                    | 17                  | 17     | 16     | 2,610                | 2,220     | 1,290     | 1,660              | 1,270     | 1,000     |
| Utah.....                       | 47                  | 44     | 46     | 19,200               | 22,440    | 19,710    | 10,940             | 13,129    | 13,970    |
| Nevada.....                     | 9                   | 10     | 9      | 805                  | 370       | 400       | 380                | 340       | 340       |
| <b>Pacific</b> .....            | 776                 | 819    | 779    | 164,510              | 181,950   | 169,520   | 231,770            | 227,431   | 247,900   |
| Washington.....                 | 193                 | 207    | 198    | 48,270               | 61,640    | 59,690    | 50,390             | 47,750    | 45,940    |
| Oregon.....                     | 160                 | 158    | 156    | 32,940               | 34,870    | 32,480    | 19,840             | 16,087    | 21,050    |
| California.....                 | 423                 | 447    | 425    | 83,300               | 85,440    | 77,350    | 161,000            | 162,094   | 180,910   |
| <b>Commodity groups:</b>        |                     |        |        |                      |           |           |                    |           |           |
| Cotton and products.....        | 274                 | 250    | 305    | 200,000              | 200,000   | 255,000   | 42,000             | 100,000   | 100,000   |
| Dairy products.....             | 2,293               | 2,286  | 2,300  | 724,000              | 757,000   | 750,000   | 390,000            | 380,000   | 440,000   |
| Fruits and vegetables.....      | 1,268               | 1,194  | 1,082  | 170,000              | 185,000   | 188,000   | 200,000            | 182,000   | 200,000   |
| Grain.....                      | 3,131               | 3,178  | 3,125  | 600,000              | 600,000   | 580,000   | 280,000            | 285,000   | 315,000   |
| Livestock.....                  | 1,675               | 1,371  | 1,197  | 440,000              | 410,000   | 410,000   | 182,000            | 162,000   | 175,000   |
| Poultry products.....           | 154                 | 147    | 164    | 78,000               | 73,000    | 85,000    | 53,000             | 48,000    | 53,000    |
| Tobacco.....                    | 20                  | 16     | 16     | 60,000               | 46,800    | 50,000    | 5,500              | 6,500     | 7,500     |
| Wool and mohair.....            | 115                 | 120    | 119    | 62,000               | 63,800    | 71,000    | 9,000              | 13,700    | 15,700    |
| All others.....                 | 2,170               | 2,388  | 2,392  | 666,600              | 820,600   | 921,000   | 177,500            | 188,800   | 223,800   |

<sup>1</sup> Includes dry beans and rice.

Source: Farm Credit Administration.

## 26.—FARM PRODUCTION AND RELATED STATISTICS

[Data in this section relate to continental United States except foreign trade statistics, which represent the trade of the "customs area" (see headnote, table 494)]

### No. 575.—ESTIMATED GROSS AND CASH INCOME FROM FARM PRODUCTION

NOTE.—In millions of dollars. See headnote, table 577. Data for 1924 to 1935 are based on State totals (shown for 1934 and 1935 in table 578) adjusted to exclude interstate sales of crops, principally seeds for planting, and to include estimates of income from poultry other than chickens not estimated by States. See also footnote 2 below. "Livestock" includes livestock products

| Year | Gross income |        |           | Year                            | Gross income |        |           | Cash income, total |
|------|--------------|--------|-----------|---------------------------------|--------------|--------|-----------|--------------------|
|      | Total        | Crops  | Livestock |                                 | Total        | Crops  | Livestock |                    |
| 1900 | 0, 238       | 3, 314 | 2, 925    | 1924                            | 11, 337      | 6, 170 | 5, 167    | 9, 640             |
| 1901 | 0, 043       | 3, 517 | 3, 126    | 1925                            | 11, 968      | 6, 147 | 5, 820    | 10, 086            |
| 1911 | 0, 372       | 3, 536 | 2, 836    | 1926                            | 11, 480      | 5, 408 | 6, 012    | 9, 658             |
| 1912 | 0, 784       | 3, 088 | 3, 096    | 1927                            | 11, 616      | 5, 817 | 6, 799    | 9, 872             |
| 1913 | 0, 975       | 3, 647 | 3, 328    | 1928                            | 11, 741      | 5, 675 | 6, 066    | 9, 999             |
| 1914 | 7, 028       | 3, 700 | 3, 328    | 1929                            | 11, 941      | 5, 434 | 6, 507    | 10, 417            |
| 1915 | 7, 395       | 3, 985 | 3, 410    | 1930                            | 9, 454       | 3, 818 | 5, 636    | 8, 030             |
| 1916 | 8, 914       | 4, 968 | 3, 947    | 1931                            | 6, 968       | 2, 746 | 4, 222    | 5, 801             |
| 1917 | 12, 832      | 7, 431 | 7, 503    | 1932                            | 6, 337       | 2, 295 | 3, 042    | 4, 377             |
| 1918 | 15, 101      | 8, 119 | 6, 982    | 1933                            | 16, 406      | 3, 032 | 3, 086    | 16, 409            |
| 1919 | 16, 985      | 9, 431 | 7, 503    | 1934 <sup>1</sup>               | 17, 296      | 3, 043 | 3, 029    | 16, 238            |
| 1920 | 13, 566      | 6, 862 | 6, 704    | 1934 (revised) <sup>2</sup>     | 17, 276      | 2, 977 | 3, 704    | 16, 227            |
| 1921 | 8, 927       | 4, 488 | 4, 440    | 1935 (preliminary) <sup>3</sup> | 18, 508      | 3, 425 | 4, 585    | 17, 201            |
| 1922 | 9, 944       | 5, 350 | 4, 504    |                                 |              |        |           |                    |
| 1923 | 11, 041      | 5, 969 | 5, 072    |                                 |              |        |           |                    |

Estimates include income from rental and benefit payments shown separately in table 578.

<sup>1</sup> Data for 1935 and revised data for 1934 are based upon revised estimates of production adjusted to returns from the 1935 Census of Agriculture. Estimates for years prior to 1934 have not been adjusted to the revised estimates of production. For 1934 both the revised and unrevised estimates are shown. A part of the revision in the 1934 estimates of income is also due to revisions in prices.

### No. 576.—ESTIMATED GROSS INCOME FROM FARM PRODUCTION: BY GROUPS OF COMMODITIES

NOTE.—In millions of dollars. See headnote, table 575

| Source of gross income           | 1929    | 1930   | 1931   | 1932   | 1933   | 1934 <sup>1</sup> | 1934 <sup>1</sup> (revised) | 1935 <sup>1</sup> |
|----------------------------------|---------|--------|--------|--------|--------|-------------------|-----------------------------|-------------------|
| Grand total <sup>2</sup>         | 11, 941 | 9, 454 | 6, 968 | 5, 337 | 6, 406 | 7, 266            | 7, 276                      | 8, 608            |
| Total crops and livestock        | 11, 941 | 9, 454 | 6, 968 | 5, 337 | 6, 128 | 6, 872            | 6, 661                      | 8, 010            |
| Crops                            | 5, 434  | 3, 818 | 2, 748 | 2, 295 | 3, 032 | 3, 043            | 2, 977                      | 3, 426            |
| Grains                           | 1, 297  | 806    | 458    | 452    | 601    | 536               | 546                         | 745               |
| Fruits and nuts                  | 707     | 567    | 467    | 324    | 412    | 464               | 451                         | 501               |
| Vegetables                       | 1, 130  | 654    | 726    | 611    | 754    | 701               | 642                         | 772               |
| Sugar crops                      | 83      | 94     | 69     | 69     | 79     | 61                | 62                          | 76                |
| Cotton and cottonseed            | 1, 389  | 751    | 528    | 464    | 688    | 706               | 707                         | 698               |
| Tobacco                          | 286     | 212    | 180    | 108    | 179    | 224               | 225                         | 237               |
| Other crops                      | 642     | 464    | 348    | 267    | 319    | 351               | 344                         | 390               |
| Livestock and livestock products | 6, 507  | 5, 636 | 4, 222 | 3, 042 | 3, 096 | 3, 699            | 3, 704                      | 4, 585            |
| Cattle and calves                | 1, 111  | 951    | 681    | 499    | 476    | 717               | 713                         | 920               |
| Hogs                             | 1, 631  | 1, 361 | 930    | 548    | 617    | 613               | 638                         | 809               |
| Sheep and wool                   | 262     | 204    | 158    | 106    | 152    | 184               | 184                         | 195               |
| Poultry and eggs                 | 1, 241  | 1, 059 | 816    | 609    | 561    | 664               | 664                         | 884               |
| Dairy products                   | 2, 323  | 2, 031 | 1, 614 | 1, 260 | 1, 263 | 1, 421            | 1, 418                      | 1, 681            |
| Other                            | 39      | 30     | 23     | 20     | 27     | 30                | 27                          | 36                |
| Rental and benefit payments      |         |        |        |        | 278    | 684               | 595                         | 498               |
| Corn                             |         |        |        |        |        | 112               | 112                         | 110               |
| Wheat                            |         |        |        |        | 98     | 102               | 101                         | 116               |
| Rice                             |         |        |        |        |        |                   |                             | 10                |
| Peanuts                          |         |        |        |        |        |                   |                             | 4                 |
| Sugar beets                      |         |        |        |        |        | 18                | 20                          | 11                |
| Sugarcane                        |         |        |        |        |        | 6                 | 8                           | 4                 |
| Cotton                           |         |        |        |        | 174    | 116               | 115                         | * 183             |
| Tobacco                          |         |        |        |        | 6      | 36                | 36                          | 13                |
| Hogs                             |         |        |        |        |        | 204               | 203                         | 67                |

<sup>1</sup> See note 2, table 575.

<sup>2</sup> Including rental and benefit payments.

<sup>3</sup> Includes \$30,000,000 cotton price adjustment payments.

Source of tables 575 and 576: Bureau of Agricultural Economics, Department of Agriculture.



# No. 577.—ESTIMATED FARM VALUE OF PRODUCTS, GROSS INCOME, AND CASH INCOME: By Commodities

NOTE.—Farm values of crops and animal products are obtained by multiplying State quantities by State average prices. Prices used in most cases are weighted averages—for animal products, calendar-year averages; for crops, averages for the period during which the crop is marketed. Gross income represents value of farm production sold plus value of production retained for use in the farm home, excluding, in the case of crops, amounts retained for feed and seed and amounts unfit for sale and consumption. Cash income relates to the value of quantities actually sold off the farms of States where produced. Farm values for a few crops differ somewhat from values shown in tables relating to individual crops, owing to revisions in estimates of production

[In thousands of dollars]

| Product                                              | Farm value <sup>1</sup> |                  | Gross income <sup>1</sup> |                  | Cash income <sup>1</sup> |                  |
|------------------------------------------------------|-------------------------|------------------|---------------------------|------------------|--------------------------|------------------|
|                                                      | 1934                    | 1935             | 1934                      | 1935             | 1934                     | 1935             |
| <b>Grand total <sup>1</sup></b>                      |                         |                  | <b>6,676,841</b>          | <b>8,002,144</b> | <b>5,630,337</b>         | <b>6,705,623</b> |
| <b>All crops</b>                                     | <b>5,487,927</b>        | <b>6,614,174</b> | <b>2,982,506</b>          | <b>3,436,880</b> | <b>2,612,603</b>         | <b>3,006,892</b> |
| Corn <sup>2</sup>                                    | 1,203,893               | 1,350,061        | 141,072                   | 230,550          | 112,969                  | 215,648          |
| Wheat <sup>2</sup>                                   | 446,368                 | 517,464          | 312,450                   | 367,428          | 298,155                  | 353,284          |
| Oats                                                 | 200,660                 | 317,516          | 26,670                    | 54,222           | 20,670                   | 54,222           |
| Barley                                               | 79,994                  | 104,130          | 24,458                    | 37,708           | 24,459                   | 37,708           |
| Rye                                                  | 12,263                  | 28,055           | 3,506                     | 11,045           | 3,537                    | 10,729           |
| Buckwheat                                            | 5,285                   | 4,410            | 2,184                     | 2,244            | 1,811                    | 1,896            |
| Rice <sup>3</sup>                                    | 30,854                  | 26,605           | 29,083                    | 24,830           | 28,003                   | 24,741           |
| Grain sorghums                                       | 40,133                  | 51,019           | 2,060                     | 0,017            | 2,000                    | 0,017            |
| Other grains                                         | 1,066                   | 4,224            | 980                       | 1,690            | 980                      | 1,680            |
| Flaxseed                                             | 9,620                   | 20,624           | 8,223                     | 18,735           | 8,223                    | 18,735           |
| Cotton lint <sup>2</sup>                             | 565,615                 | 590,124          | 505,615                   | 590,124          | 505,615                  | 590,124          |
| Cottonseed                                           | 148,081                 | 148,160          | 111,415                   | 107,730          | 111,415                  | 107,730          |
| Tobacco <sup>3</sup>                                 | 224,099                 | 237,011          | 224,099                   | 237,011          | 224,099                  | 237,011          |
| Hay                                                  | 774,468                 | 653,370          | 85,937                    | 78,325           | 85,937                   | 78,325           |
| Sweet-sorghum forage                                 | 34,876                  | 28,392           | 2,052                     | 2,714            | 2,062                    | 2,714            |
| Clover seed (red and alsike)                         | 11,537                  | 9,249            | 9,141                     | 7,378            | 9,141                    | 7,378            |
| Alfalfa seed                                         | 10,791                  | 8,605            | 10,039                    | 7,010            | 10,039                   | 7,010            |
| Other grass seed                                     | 8,265                   | 7,541            | 6,440                     | 6,471            | 6,440                    | 6,471            |
| Dry edible beans                                     | 34,096                  | 30,423           | 31,303                    | 34,321           | 31,010                   | 34,102           |
| Soybeans                                             | 24,472                  | 35,461           | 10,929                    | 23,401           | 10,929                   | 23,401           |
| Cowpeas                                              | 13,333                  | 16,423           | 4,079                     | 4,847            | 3,451                    | 4,188            |
| Peanuts <sup>3</sup>                                 | 47,067                  | 52,125           | 30,978                    | 33,813           | 20,725                   | 32,692           |
| Potatoes                                             | 181,857                 | 231,233          | 149,248                   | 191,080          | 111,087                  | 142,252          |
| Sweet potatoes                                       | 61,806                  | 58,555           | 51,371                    | 48,766           | 15,277                   | 16,067           |
| Truck crops                                          | 259,670                 | 304,435          | 259,670                   | 304,435          | 249,737                  | 292,202          |
| Hops                                                 | 6,248                   | 5,736            | 6,248                     | 5,736            | 6,248                    | 5,736            |
| Apples                                               | 106,451                 | 118,534          | 106,451                   | 118,534          | 89,328                   | 97,126           |
| Peaches                                              | 35,035                  | 44,410           | 35,035                    | 44,410           | 28,871                   | 35,138           |
| Pears                                                | 16,195                  | 13,857           | 16,195                    | 13,857           | 13,048                   | 11,718           |
| Cherries                                             | 6,781                   | 8,780            | 6,781                     | 8,780            | 5,656                    | 7,756            |
| Grapes                                               | 37,255                  | 36,967           | 37,255                    | 35,967           | 35,372                   | 34,158           |
| Strawberries                                         | 31,202                  | 36,728           | 31,202                    | 36,728           | 30,487                   | 35,847           |
| Small fruits                                         | 10,671                  | 12,430           | 10,671                    | 12,430           | 10,038                   | 11,623           |
| Cranberries                                          | 5,004                   | 6,091            | 5,004                     | 6,091            | 5,004                    | 6,091            |
| Pecans                                               | 5,013                   | 5,889            | 5,013                     | 5,889            | 3,934                    | 4,975            |
| Other fruits and nuts                                | 166,151                 | 190,574          | 166,151                   | 190,574          | 168,928                  | 187,791          |
| Sugar beets for sugar <sup>3</sup>                   | 38,776                  | 45,815           | 38,776                    | 45,815           | 38,776                   | 45,815           |
| Sugarcane and sirup <sup>3</sup>                     | 18,390                  | 24,173           | 14,883                    | 20,488           | 10,378                   | 16,264           |
| Sorghum sirup                                        | 7,354                   | 7,330            | 5,015                     | 4,032            | 1,692                    | 1,761            |
| Maple sugar and sirup                                | 3,506                   | 5,250            | 3,506                     | 5,250            | 3,072                    | 4,626            |
| Forest products                                      | 160,075                 | 190,546          | 114,761                   | 130,040          | 60,447                   | 69,546           |
| Farm gardens                                         | 144,814                 | 188,161          | 144,814                   | 188,161          |                          |                  |
| Nursery products                                     | 37,930                  | 49,091           | 37,930                    | 49,091           | 37,936                   | 49,091           |
| Greenhouse products                                  | 55,058                  | 67,496           | 55,058                    | 67,496           | 55,058                   | 67,496           |
| Other crops                                          | 13,044                  | 12,816           | 4,800                     | 4,800            | 4,800                    | 4,800            |
| <b>Livestock and livestock products <sup>4</sup></b> | <b>3,478,594</b>        | <b>4,680,354</b> | <b>3,694,335</b>          | <b>4,572,264</b> | <b>3,017,734</b>         | <b>3,698,631</b> |
| Cattle and calves <sup>4</sup>                       | 553,568                 | 914,110          | 712,815                   | 920,463          | 698,036                  | 898,751          |
| Hogs <sup>3</sup>                                    | 520,192                 | 888,289          | 688,073                   | 808,808          | 512,720                  | 662,948          |
| Sheep and lambs <sup>4</sup>                         | 100,024                 | 122,287          | 103,811                   | 124,328          | 101,652                  | 121,681          |
| Horses and mules                                     | 42,878                  | 43,094           | 16,633                    | 22,890           | 16,633                   | 22,890           |
| Chickens                                             | 220,142                 | 321,642          | 236,718                   | 313,293          | 156,572                  | 205,626          |
| Eggs (chicken)                                       | 433,491                 | 581,575          | 417,195                   | 557,843          | 309,987                  | 414,112          |
| Milk                                                 | 1,517,416               | 1,725,292        | 1,478,177                 | 1,680,025        | 1,133,520                | 1,282,113        |
| Wool and mohair                                      | 83,415                  | 76,450           | 83,415                    | 76,450           | 83,415                   | 76,450           |
| Honey                                                | 7,498                   | 7,606            | 7,498                     | 7,606            | 5,109                    | 5,072            |

<sup>1</sup> Does not include rental and benefit payments. Includes value of Government purchases in the Emergency Drought Purchase Program as follows: Cattle and calves, 1934, \$105,600,000, 1935, \$5,941,000; sheep and lambs, 1934, \$7,221,000.

<sup>2</sup> For grand totals adjusted for interstate duplications, see table 575.

<sup>3</sup> Figures do not include rental and benefit payments; for amounts of this item, see table 576.

<sup>4</sup> Figures include Government purchases in the Emergency Drought Purchase Program.

Source: Bureau of Agriculture Economics, Department of Agriculture.

# No. 578.—ESTIMATED GROSS AND CASH INCOME FROM FARM PRODUCTION: By States

[In millions and tenths of millions of dollars. See headnote, table 577]

| Division and State               | Gross income <sup>1</sup>     |                   |           |                                      | Cash income <sup>1</sup>      |                   |           |                                      | Cash income and benefit payments |                   |
|----------------------------------|-------------------------------|-------------------|-----------|--------------------------------------|-------------------------------|-------------------|-----------|--------------------------------------|----------------------------------|-------------------|
|                                  | Crops and live-stock combined |                   | 1935      |                                      | Crops and live-stock combined |                   | 1935      |                                      |                                  |                   |
|                                  | 1934 <sup>2</sup>             | 1935 <sup>2</sup> | Crops     | Live-stock and products <sup>3</sup> | 1934 <sup>2</sup>             | 1935 <sup>2</sup> | Crops     | Live-stock and products <sup>3</sup> | 1934                             | 1935 <sup>3</sup> |
| United States <sup>4</sup> ..... | 6, 676. 8                     | 8, 009. 1         | 3, 486. 9 | 4, 572. 3                            | 5, 630. 3                     | 6, 705. 6         | 3, 006. 0 | 3, 699. 6                            | 6, 226. 2                        | 7, 203. 4         |
| New England.....                 | 203. 8                        | 246. 2            | 94. 7     | 161. 4                               | 175. 5                        | 213. 7            | 79. 7     | 134. 0                               | 177. 8                           | 216. 1            |
| Maine.....                       | 42. 1                         | 59. 1             | 32. 6     | 26. 5                                | 34. 1                         | 49. 1             | 27. 8     | 21. 3                                | 34. 1                            | 49. 1             |
| New Hampshire.....               | 18. 8                         | 22. 2             | 5. 7      | 16. 5                                | 15. 6                         | 18. 5             | 3. 9      | 14. 6                                | 15. 7                            | 18. 5             |
| Vermont.....                     | 34. 9                         | 42. 5             | 9. 6      | 32. 9                                | 30. 1                         | 36. 9             | 6. 8      | 30. 1                                | 30. 2                            | 36. 9             |
| Massachusetts.....               | 56. 7                         | 66. 6             | 26. 9     | 39. 7                                | 50. 2                         | 59. 6             | 23. 8     | 35. 8                                | 51. 1                            | 60. 1             |
| Rhode Island.....                | 7. 0                          | 9. 1              | 2. 9      | 6. 2                                 | 6. 8                          | 8. 1              | 2. 5      | 5. 6                                 | 6. 8                             | 8. 1              |
| Connecticut.....                 | 43. 7                         | 46. 6             | 16. 9     | 26. 7                                | 38. 7                         | 41. 5             | 14. 8     | 26. 7                                | 39. 9                            | 42. 3             |
| Middle Atlantic.....             | 572. 4                        | 688. 0            | 220. 6    | 447. 4                               | 498. 2                        | 580. 3            | 138. 4    | 391. 9                               | 500. 8                           | 582. 1            |
| New York.....                    | 269. 6                        | 306. 8            | 90. 4     | 207. 4                               | 238. 2                        | 269. 8            | 84. 4     | 185. 4                               | 238. 6                           | 270. 0            |
| New Jersey.....                  | 73. 4                         | 85. 4             | 38. 4     | 47. 0                                | 67. 9                         | 79. 1             | 36. 4     | 42. 7                                | 68. 2                            | 79. 3             |
| Pennsylvania.....                | 220. 4                        | 275. 8            | 82. 8     | 193. 0                               | 192. 2                        | 231. 4            | 67. 6     | 163. 8                               | 194. 0                           | 232. 8            |
| East North Central.....          | 1, 183. 4                     | 1, 537. 6         | 468. 9    | 1, 068. 6                            | 1, 023. 8                     | 1, 324. 6         | 406. 8    | 917. 8                               | 1, 130. 0                        | 1, 382. 6         |
| Ohio.....                        | 257. 4                        | 332. 4            | 102. 7    | 229. 7                               | 218. 3                        | 281. 3            | 89. 1     | 192. 2                               | 239. 6                           | 292. 1            |
| Indiana.....                     | 204. 4                        | 261. 0            | 74. 0     | 187. 7                               | 176. 3                        | 222. 1            | 63. 4     | 158. 8                               | 202. 7                           | 236. 0            |
| Illinois.....                    | 315. 0                        | 436. 0            | 164. 5    | 271. 5                               | 278. 4                        | 387. 5            | 153. 3    | 234. 2                               | 321. 2                           | 435. 0            |
| Michigan.....                    | 179. 1                        | 217. 1            | 81. 1     | 136. 0                               | 151. 9                        | 182. 2            | 67. 9     | 114. 3                               | 158. 5                           | 185. 6            |
| Wisconsin.....                   | 226. 9                        | 290. 4            | 46. 6     | 243. 8                               | 199. 0                        | 251. 4            | 33. 0     | 218. 4                               | 208. 1                           | 255. 9            |
| West North Central.....          | 1, 324. 4                     | 1, 719. 6         | 419. 2    | 1, 300. 4                            | 1, 174. 1                     | 1, 499. 3         | 387. 1    | 1, 132. 2                            | 1, 418. 4                        | 1, 677. 0         |
| Minnesota.....                   | 230. 7                        | 305. 8            | 83. 0     | 222. 8                               | 203. 3                        | 267. 9            | 71. 9     | 196. 0                               | 226. 7                           | 282. 7            |
| Iowa.....                        | 341. 5                        | 487. 8            | 80. 2     | 407. 6                               | 309. 3                        | 439. 2            | 69. 1     | 370. 1                               | 383. 1                           | 479. 9            |
| Missouri.....                    | 206. 5                        | 260. 1            | 59. 2     | 200. 9                               | 172. 5                        | 212. 1            | 44. 8     | 167. 3                               | 202. 1                           | 232. 7            |
| North Dakota.....                | 68. 0                         | 97. 1             | 48. 5     | 48. 5                                | 57. 3                         | 82. 0             | 45. 8     | 36. 2                                | 75. 4                            | 101. 1            |
| South Dakota.....                | 69. 9                         | 100. 8            | 36. 0     | 64. 8                                | 61. 0                         | 87. 6             | 33. 5     | 54. 1                                | 80. 4                            | 103. 2            |
| Nebraska.....                    | 204. 1                        | 223. 9            | 54. 5     | 169. 4                               | 186. 7                        | 196. 1            | 49. 6     | 146. 5                               | 224. 9                           | 224. 7            |
| Kansas.....                      | 203. 6                        | 244. 2            | 67. 7     | 180. 5                               | 184. 0                        | 214. 3            | 52. 8     | 162. 0                               | 225. 7                           | 252. 8            |
| South Atlantic.....              | 929. 0                        | 1, 031. 4         | 680. 9    | 350. 5                               | 700. 1                        | 782. 0            | 574. 8    | 187. 2                               | 745. 1                           | 806. 6            |
| Delaware.....                    | 15. 1                         | 17. 5             | 8. 4      | 9. 1                                 | 13. 0                         | 15. 0             | 7. 3      | 7. 7                                 | 13. 2                            | 15. 2             |
| Maryland.....                    | 62. 9                         | 73. 6             | 34. 9     | 38. 6                                | 52. 7                         | 61. 4             | 30. 5     | 30. 9                                | 54. 2                            | 62. 8             |
| Virginia.....                    | 134. 1                        | 168. 8            | 81. 2     | 77. 6                                | 90. 9                         | 106. 5            | 61. 5     | 45. 0                                | 95. 3                            | 109. 7            |
| West Virginia.....               | 50. 8                         | 60. 5             | 18. 3     | 42. 1                                | 40. 0                         | 56. 7             | 9. 2      | 26. 6                                | 29. 5                            | 36. 0             |
| North Carolina.....              | 281. 8                        | 292. 8            | 220. 1    | 66. 7                                | 219. 3                        | 217. 5            | 102. 8    | 24. 7                                | 236. 6                           | 223. 8            |
| South Carolina.....              | 110. 5                        | 124. 7            | 91. 2     | 33. 6                                | 82. 1                         | 81. 1             | 78. 4     | 12. 7                                | 91. 1                            | 101. 0            |
| Georgia.....                     | 170. 9                        | 191. 4            | 133. 1    | 58. 3                                | 120. 5                        | 134. 1            | 111. 5    | 22. 5                                | 131. 8                           | 150. 6            |
| Florida.....                     | 103. 0                        | 112. 2            | 87. 6     | 24. 5                                | 92. 6                         | 100. 6            | 83. 5     | 17. 1                                | 93. 4                            | 101. 4            |
| East South Central.....          | 661. 7                        | 839. 7            | 363. 4    | 278. 4                               | 398. 0                        | 432. 4            | 279. 1    | 153. 3                               | 448. 0                           | 484. 2            |
| Kentucky.....                    | 137. 1                        | 159. 2            | 67. 6     | 91. 6                                | 94. 8                         | 107. 5            | 50. 2     | 57. 3                                | 110. 9                           | 114. 7            |
| Tennessee.....                   | 140. 3                        | 154. 4            | 72. 7     | 81. 8                                | 95. 3                         | 101. 7            | 51. 9     | 49. 7                                | 105. 7                           | 111. 3            |
| Alabama.....                     | 149. 6                        | 158. 3            | 106. 1    | 52. 2                                | 96. 9                         | 101. 6            | 81. 2     | 20. 4                                | 107. 7                           | 117. 9            |
| Mississippi.....                 | 154. 7                        | 167. 8            | 117. 0    | 50. 8                                | 111. 0                        | 121. 6            | 95. 7     | 25. 9                                | 123. 6                           | 140. 3            |
| West South Central.....          | 806. 4                        | 986. 9            | 535. 3    | 451. 6                               | 652. 9                        | 748. 8            | 477. 5    | 269. 3                               | 745. 0                           | 860. 2            |
| Arkansas.....                    | 125. 2                        | 137. 0            | 88. 6     | 49. 0                                | 97. 8                         | 99. 2             | 72. 0     | 27. 1                                | 110. 4                           | 116. 4            |
| Louisiana.....                   | 106. 4                        | 120. 5            | 83. 8     | 36. 8                                | 82. 0                         | 93. 8             | 73. 4     | 20. 4                                | 95. 8                            | 111. 1            |
| Oklahoma.....                    | 130. 3                        | 180. 0            | 80. 9     | 106. 0                               | 102. 3                        | 148. 6            | 72. 0     | 76. 6                                | 122. 9                           | 171. 6            |
| Texas.....                       | 441. 6                        | 491. 9            | 282. 1    | 209. 8                               | 370. 7                        | 402. 3            | 260. 1    | 142. 2                               | 415. 9                           | 461. 0            |
| Mountain.....                    | 379. 3                        | 453. 7            | 175. 7    | 278. 0                               | 346. 1                        | 412. 8            | 166. 3    | 246. 4                               | 377. 7                           | 439. 9            |
| Montana.....                     | 77. 8                         | 100. 4            | 40. 2     | 60. 2                                | 70. 7                         | 91. 9             | 35. 4     | 53. 6                                | 79. 5                            | 100. 5            |
| Idaho.....                       | 69. 5                         | 77. 3             | 36. 7     | 40. 5                                | 63. 8                         | 69. 7             | 34. 4     | 35. 3                                | 69. 0                            | 74. 9             |
| Wyoming.....                     | 37. 1                         | 42. 6             | 10. 2     | 32. 3                                | 34. 9                         | 39. 1             | 9. 4      | 29. 6                                | 36. 4                            | 40. 5             |
| Colorado.....                    | 70. 1                         | 97. 5             | 38. 1     | 59. 4                                | 72. 0                         | 88. 1             | 36. 5     | 51. 6                                | 81. 4                            | 95. 2             |
| New Mexico.....                  | 40. 0                         | 39. 0             | 11. 7     | 27. 3                                | 35. 7                         | 34. 2             | 10. 5     | 23. 8                                | 37. 4                            | 36. 1             |
| Arizona.....                     | 35. 0                         | 46. 8             | 25. 5     | 21. 3                                | 32. 7                         | 44. 5             | 25. 0     | 19. 5                                | 33. 9                            | 45. 9             |
| Utah.....                        | 32. 6                         | 38. 7             | 12. 1     | 26. 6                                | 29. 2                         | 34. 6             | 11. 1     | 23. 6                                | 31. 6                            | 36. 2             |
| Nevada.....                      | 8. 3                          | 11. 4             | 1. 2      | 10. 2                                | 7. 6                          | 10. 6             | 1. 1      | 9. 5                                 | 7. 7                             | 10. 6             |
| Pacific.....                     | 692. 8                        | 771. 7            | 473. 8    | 297. 9                               | 659. 1                        | 732. 4            | 462. 0    | 270. 4                               | 676. 7                           | 750. 3            |
| Washington.....                  | 130. 8                        | 142. 2            | 76. 5     | 65. 7                                | 118. 5                        | 128. 0            | 71. 7     | 56. 3                                | 125. 1                           | 134. 8            |
| Oregon.....                      | 83. 7                         | 90. 8             | 44. 2     | 55. 7                                | 74. 5                         | 89. 3             | 40. 1     | 49. 2                                | 78. 0                            | 92. 6             |
| California.....                  | 478. 3                        | 529. 8            | 353. 2    | 176. 6                               | 466. 1                        | 515. 1            | 350. 2    | 164. 9                               | 473. 6                           | 522. 9            |

<sup>1</sup> Rental and benefit payments by Agricultural Adjustment Administration are not included.

<sup>2</sup> Includes Government purchases of cattle and calves and sheep and lambs in the Emergency Drought Purchase Program amounting to \$112,827,000 for 1934 and \$5,941,000 for 1935.

<sup>3</sup> Includes cotton price adjustment payments totaling \$39,109,000 for the United States.

<sup>4</sup> United States totals include data for sugar beets for minor producing States for which separate estimates are not available as follows: Gross and cash income—1934, \$3,541,000; 1935, \$4,355,000; rental and benefit payments—1934, \$1,996,000; 1935, \$1,167,000. For totals for the United States adjusted for interstate duplications, see table 575.

Source: Bureau of Agricultural Economics, Department of Agriculture.

# **No. 579.—ESTIMATED CASH INCOME, PRODUCTION EXPENSES, AND CASH AVAILABLE AFTER DEDUCTING PRODUCTION EXPENSES, 1924 TO 1935**

(In millions of dollars)

| Year      | Cash income <sup>1</sup> | Total operating expenditures <sup>2</sup> | Cash wages to hired labor <sup>3</sup> | Interest payable <sup>4</sup> | Taxes payable <sup>5</sup> | Total production expenses | Cash available after deducting production expenses |
|-----------|--------------------------|-------------------------------------------|----------------------------------------|-------------------------------|----------------------------|---------------------------|----------------------------------------------------|
| 1924..... | 9,640                    | 2,554                                     | 865                                    | 731                           | 541                        | 4,691                     | 4,949                                              |
| 1925..... | 10,088                   | 2,855                                     | 899                                    | 723                           | 547                        | 5,024                     | 5,062                                              |
| 1926..... | 9,658                    | 2,900                                     | 932                                    | 717                           | 557                        | 5,106                     | 4,552                                              |
| 1927..... | 9,872                    | 2,837                                     | 942                                    | 708                           | 577                        | 5,064                     | 4,808                                              |
| 1928..... | 9,999                    | 3,109                                     | 948                                    | 702                           | 588                        | 5,347                     | 4,652                                              |
| 1929..... | 10,417                   | 3,289                                     | 955                                    | 682                           | 601                        | 5,527                     | 4,890                                              |
| 1930..... | 8,080                    | 2,734                                     | 806                                    | 654                           | 600                        | 4,797                     | 3,283                                              |
| 1931..... | 8,801                    | 1,947                                     | 587                                    | 626                           | 550                        | 3,710                     | 2,091                                              |
| 1932..... | 4,377                    | 1,452                                     | 380                                    | 596                           | 476                        | 2,904                     | 1,473                                              |
| 1933..... | 5,409                    | 1,568                                     | 352                                    | 554                           | 410                        | 2,884                     | 2,525                                              |
| 1934..... | 6,227                    | 1,774                                     | 377                                    | 456                           | 387                        | 2,994                     | 3,233                                              |
| 1935..... | 7,201                    | 2,130                                     | 402                                    | 413                           | 387                        | 3,332                     | 3,869                                              |

<sup>1</sup> Cash income relates to the value of quantities sold, excluding products used in the farm home. Estimate for 1933 to 1935 include Government payments by the Agricultural Adjustment Administration; for amounts of such payments, see table 576.

<sup>2</sup> Includes expenditures for feed, seed, fertilizer, containers, spray materials, twine, cost of operating tractors, trucks, etc., insurance, ginning, miscellaneous current expenditures, and capital expenditures for machinery, tractors and repairs, and automobiles and trucks. Allowance is made for use of automobiles for purposes other than production.

<sup>3</sup> Total cash wages paid.

<sup>4</sup> Interest on all bank loans other than real estate loans and on 90 percent of all mortgage indebtedness, 10 percent of the total mortgage indebtedness being assigned to farm dwellings.

<sup>5</sup> Only 90 percent of the estimated total taxes on farm property is included, 10 percent of the total being assigned to farm dwellings.

Source: Bureau of Agricultural Economics, Department of Agriculture.

# **No. 580.—ESTIMATED GROSS INCOME, DEDUCTIONS FROM GROSS INCOME, AND INCOME AVAILABLE FOR OPERATORS' CAPITAL, LABOR, AND MANAGEMENT, 1924 TO 1935**

(In millions of dollars)

| Year      | Gross income from agricultural production <sup>1</sup> | Current expenditures of operators for production <sup>2</sup> | Depreciation of buildings and equipment <sup>3</sup> | Operators' expenditures for wages, interest, and taxes <sup>4</sup> | Rent to nonfarmer landlords <sup>5</sup> | Total deductions | Income available for operators' labor, capital, and management |
|-----------|--------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------|------------------|----------------------------------------------------------------|
| 1924..... | 11,337                                                 | 1,596                                                         | 850                                                  | 2,165                                                               | 927                                      | 5,538            | 5,799                                                          |
| 1925..... | 11,968                                                 | 1,724                                                         | 896                                                  | 2,209                                                               | 1,005                                    | 5,834            | 6,134                                                          |
| 1926..... | 11,480                                                 | 1,816                                                         | 880                                                  | 2,258                                                               | 999                                      | 5,960            | 5,520                                                          |
| 1927..... | 11,616                                                 | 1,775                                                         | 894                                                  | 2,276                                                               | 1,034                                    | 5,979            | 5,637                                                          |
| 1928..... | 11,741                                                 | 1,896                                                         | 894                                                  | 2,287                                                               | 1,068                                    | 6,145            | 5,596                                                          |
| 1929..... | 11,941                                                 | 1,958                                                         | 912                                                  | 2,292                                                               | 1,110                                    | 6,272            | 5,669                                                          |
| 1930..... | 9,454                                                  | 1,722                                                         | 892                                                  | 2,066                                                               | 911                                      | 5,591            | 3,863                                                          |
| 1931..... | 6,968                                                  | 1,839                                                         | 843                                                  | 1,701                                                               | 692                                      | 4,575            | 2,393                                                          |
| 1932..... | 5,837                                                  | 1,120                                                         | 805                                                  | 1,338                                                               | 582                                      | 3,845            | 1,492                                                          |
| 1933..... | 6,406                                                  | 1,147                                                         | 762                                                  | 1,217                                                               | 697                                      | 3,723            | 2,683                                                          |
| 1934..... | 7,276                                                  | 1,208                                                         | 789                                                  | 1,145                                                               | 689                                      | 3,809            | 3,467                                                          |
| 1935..... | 8,508                                                  | 1,290                                                         | 780                                                  | 1,146                                                               | 754                                      | 3,970            | 4,538                                                          |

<sup>1</sup> Gross income includes the value of products consumed in the farm household on the farm where produced.

<sup>2</sup> Current operating costs less amounts estimated as paid by nonfarmer landlords.

<sup>3</sup> Relates to the depreciation of building, farm machinery, and other capital equipment, thus representing the cost of the use of these items rather than the amounts spent for them.

<sup>4</sup> Cash wages to hired labor plus an allowance for board and perquisites furnished hired labor and domestic hired labor contributing to production. Includes only that portion of interest payable by farm operators; figured at 75 percent of all interest payable on farm mortgage debt on real estate used in production and interest on all bank loans, other than real estate loans. It is assumed that 70 percent of all taxes on farm property used in production are paid by the farm operator.

<sup>5</sup> In estimating rent it is assumed that 72 percent of total rent goes to nonfarming landlords.

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 581.—INDEXES OF THE VOLUME OF NET AGRICULTURAL PRODUCTION

NOTE.—1924-1929=100. Indexes are based on estimates of production for sale and for consumption in the farm home. Products fed to livestock or used for seed are not included. Calendar-year production of livestock and livestock products are here compared with crop production of the same year. Commodities included in the index contributed about 93 percent of the gross farm income during 1924-29

| Year                              | Total | Crops              |        |                       |             |                        | Livestock and products |              |                |                  |
|-----------------------------------|-------|--------------------|--------|-----------------------|-------------|------------------------|------------------------|--------------|----------------|------------------|
|                                   |       | Total <sup>1</sup> | Grains | Fruits and vegetables | Truck crops | Cotton and cotton-seed | Total <sup>1</sup>     | Meat animals | Dairy products | Poultry products |
| 1919.....                         | 87    | 89                 | 104    | 84                    | 58          | 76                     | 86                     | 98           | 78             | 74               |
| 1920.....                         | 91    | 101                | 117    | 100                   | 70          | 88                     | 83                     | 91           | 77             | 74               |
| 1921.....                         | 83    | 77                 | 102    | 75                    | 61          | 53                     | 87                     | 92           | 83             | 85               |
| 1922.....                         | 92    | 89                 | 100    | 108                   | 81          | 86                     | 94                     | 102          | 87             | 88               |
| 1923.....                         | 95    | 90                 | 100    | 103                   | 79          | 67                     | 99                     | 107          | 91             | 98               |
| 1924.....                         | 97    | 96                 | 102    | 96                    | 91          | 91                     | 97                     | 102          | 94             | 91               |
| 1925.....                         | 97    | 99                 | 98     | 90                    | 96          | 107                    | 96                     | 97           | 96             | 94               |
| 1926.....                         | 102   | 106                | 96     | 109                   | 93          | 120                    | 98                     | 98           | 99             | 99               |
| 1927.....                         | 99    | 95                 | 103    | 94                    | 105         | 87                     | 102                    | 101          | 102            | 105              |
| 1928.....                         | 104   | 106                | 108    | 117                   | 102         | 97                     | 103                    | 101          | 103            | 106              |
| 1929.....                         | 101   | 97                 | 93     | 94                    | 113         | 99                     | 104                    | 101          | 106            | 106              |
| 1930.....                         | 101   | 95                 | 85     | 106                   | 113         | 92                     | 105                    | 101          | 107            | 109              |
| 1931.....                         | 107   | 104                | 89     | 115                   | 109         | 112                    | 109                    | 107          | 110            | 109              |
| 1932.....                         | 100   | 90                 | 86     | 101                   | 113         | 86                     | 107                    | 106          | 110            | 105              |
| 1933.....                         | 97    | 82                 | 61     | 99                    | 105         | 86                     | 109                    | 108          | 110            | 106              |
| 1934 <sup>1</sup> .....           | 91    | 68                 | 41     | 102                   | 114         | 64                     | 110                    | 115          | 106            | 102              |
| 1934 (revised) <sup>2</sup> ..... | 94    | 70                 | 44     | 111                   | 110         | 64                     | 112                    | 117          | 110            | 102              |
| 1935 (prel.) <sup>3</sup> .....   | 92    | 80                 | 71     | 115                   | 134         | 71                     | 98                     | 86           | 110            | 99               |

<sup>1</sup> The total for crops includes hay and tobacco and the total for livestock and products includes wool in addition to the products included in the groups shown separately.

<sup>2</sup> Figures for 1935 and revised figures for 1934 are based upon revised estimates of production adjusted to returns from the 1935 Census of Agriculture. Other figures shown for 1934 and figures for prior years have not been adjusted to the revised estimates of production.

## No. 582.—INDEX NUMBERS OF FARM PRICES AND WHOLESALE PRICES OF AGRICULTURAL PRODUCTS, BY GROUPS

[1923-1925=100]

| Yearly average<br>or year and<br>month | Farm prices <sup>1</sup>     |        |                                  |        |                  |                        |                              | Wholesale prices     |                       |                   |                             |                                |
|----------------------------------------|------------------------------|--------|----------------------------------|--------|------------------|------------------------|------------------------------|----------------------|-----------------------|-------------------|-----------------------------|--------------------------------|
|                                        | All<br>farm<br>prod-<br>ucts | Grains | Cotton<br>and<br>cotton-<br>seed | Fruits | Truck<br>crops   | Dairy<br>prod-<br>ucts | Chick-<br>ens<br>and<br>eggs | Meat<br>ani-<br>mals | Farm<br>prod-<br>ucts | Grains            | Livestock<br>and<br>poultry | Other<br>farm<br>prod-<br>ucts |
| 1910-1914.....                         | 68                           | 75     | 48                               | 68     | -----            | 66                     | 65                           | 85                   | 69.4                  | <sup>2</sup> 72.4 | <sup>2</sup> 86.6           | <sup>2</sup> 59.8              |
| 1915-1920.....                         | 116                          | 145    | 93                               | 97     | -----            | 97                     | 108                          | 138                  | 120.1                 | 144.4             | 134.0                       | 102.6                          |
| 1921-1925.....                         | 95                           | 92     | 85                               | 106    | <sup>3</sup> 100 | 99                     | 99                           | 97                   | 95.4                  | 94.0              | 97.9                        | 94.3                           |
| 1926-1930.....                         | 90                           | 92     | 64                               | 105    | 109              | 99                     | 97                           | 122                  | 97.0                  | 94.6              | 117.1                       | 87.3                           |
| 1931-1935.....                         | 57                           | 55     | 37                               | 61     | 85               | 62                     | 61                           | 67                   | 90.0                  | 59.1              | 68.5                        | 55.7                           |
| 1927.....                              | 95                           | 96     | 63                               | 99     | 93               | 101                    | 94                           | 118                  | 96.7                  | 98.0              | 115.9                       | 86.2                           |
| 1928.....                              | 101                          | 98     | 76                               | 121    | 122              | 103                    | 100                          | 127                  | 103.0                 | 104.9             | 123.6                       | 91.9                           |
| 1929.....                              | 99                           | 90     | 71                               | 97     | 115              | 102                    | 106                          | 131                  | 102.0                 | 95.2              | 124.4                       | 92.6                           |
| 1930.....                              | 86                           | 76     | 50                               | 112    | 108              | 89                     | 84                           | 112                  | 85.9                  | 76.5              | 104.0                       | 79.1                           |
| 1931.....                              | 59                           | 47     | 31                               | 68     | 90               | 70                     | 65                           | 77                   | 63.0                  | 51.8              | 74.9                        | 59.1                           |
| 1932.....                              | 44                           | 33     | 23                               | 67     | 78               | 54                     | 54                           | 53                   | 40.9                  | 38.5              | 56.5                        | 44.7                           |
| 1933.....                              | 48                           | 47     | 32                               | 51     | 81               | 53                     | 49                           | 50                   | 50.0                  | 51.9              | 60.9                        | 48.5                           |
| 1934.....                              | 61                           | 70     | 49                               | 69     | 80               | 62                     | 58                           | 57                   | 63.5                  | 72.8              | 80.4                        | 61.3                           |
| 1935.....                              | 73                           | 77     | 60                               | 83     | 98               | 70                     | 76                           | 99                   | 76.7                  | 80.6              | 99.8                        | 63.8                           |
| 1934                                   |                              |        |                                  |        |                  |                        |                              |                      |                       |                   |                             |                                |
| Jan.-Mar.....                          | 55                           | 59     | 45                               | 62     | 72               | 58                     | 51                           | 52                   | 58.8                  | 61.7              | 64.3                        | 58.9                           |
| Apr.-June.....                         | 56                           | 61     | 46                               | 79     | 68               | 59                     | 47                           | 54                   | 59.1                  | 63.5              | 65.7                        | 57.9                           |
| July-Sept.....                         | 65                           | 77     | 52                               | 70     | 88               | 63                     | 58                           | 61                   | 67.3                  | 81.1              | 66.1                        | 63.2                           |
| Oct.-Dec.....                          | 69                           | 83     | 58                               | 63     | 89               | 68                     | 76                           | 61                   | 69.2                  | 85.9              | 65.1                        | 65.6                           |
| 1935                                   |                              |        |                                  |        |                  |                        |                              |                      |                       |                   |                             |                                |
| Jan.-Mar.....                          | 74                           | 85     | 52                               | 61     | 120              | 75                     | 72                           | 89                   | 76.2                  | 84.4              | 92.8                        | 65.3                           |
| Apr.-June.....                         | 73                           | 83     | 51                               | 70     | 97               | 70                     | 71                           | 99                   | 77.6                  | 80.8              | 100.9                       | 64.8                           |
| July-Sept.....                         | 71                           | 72     | 48                               | 61     | 73               | 64                     | 75                           | 105                  | 76.5                  | 78.6              | 104.1                       | 62.2                           |
| Oct.-Dec.....                          | 74                           | 70     | 48                               | 59     | 101              | 72                     | 89                           | 102                  | 76.9                  | 78.5              | 100.5                       | 62.7                           |
| 1936                                   |                              |        |                                  |        |                  |                        |                              |                      |                       |                   |                             |                                |
| Jan.-Mar.....                          | 73                           | 69     | 47                               | 63     | 80               | 78                     | 73                           | 103                  | 76.0                  | 75.9              | 104.6                       | 61.6                           |
| Apr.-June.....                         | 71                           | 66     | 48                               | 70     | 89               | 71                     | 65                           | 102                  | 74.6                  | 70.9              | 99.3                        | 63.0                           |

<sup>1</sup> Indexes cover 34 major crops and, beginning 1924, also 13 commercial truck crops.

<sup>2</sup> 2-year average, 1913 and 1914.

<sup>3</sup> 1923 to 1925 average.

Source: Departments of Agriculture and Labor; indexes computed to a 1923-1925 base by Bureau of Foreign and Domestic Commerce.

# No. 583.—INDEX NUMBERS OF PRICES RECEIVED AND PAID BY FARMERS AND OF WHOLESALE PRICES

[1923-1925=100]

| Yearly average or year and month | Prices received for farm products | Prices paid by farmers for commodities bought <sup>1</sup> |            |                | Ratio of prices received to prices paid | Wages paid to hired farm labor | Wholesale prices |               |       |                   |
|----------------------------------|-----------------------------------|------------------------------------------------------------|------------|----------------|-----------------------------------------|--------------------------------|------------------|---------------|-------|-------------------|
|                                  |                                   | Total                                                      | For living | For production |                                         |                                | All commodities  | Farm products | Foods | Other commodities |
| 1910-1914.....                   | 68                                | 65                                                         | 62         | 69             | 105                                     | 80                             | 68               | 69            | 68    | <sup>2</sup> 67   |
| 1915-1920.....                   | 116                               | 104                                                        | 102        | 106            | 111                                     | 98                             | 115              | 120           | 111   | 112               |
| 1921-1925.....                   | 95                                | 99                                                         | 99         | 99             | 98                                      | 95                             | 99               | 95            | 98    | 101               |
| 1923-1930.....                   | 96                                | 99                                                         | 98         | 101            | 98                                      | 99                             | 94               | 97            | 103   | 91                |
| 1931-1935.....                   | 57                                | 77                                                         | 73         | 82             | 75                                      | 56                             | 71               | 60            | 74    | 73                |
| 1927.....                        | 95                                | 99                                                         | 99         | 101            | 96                                      | 102                            | 95               | 97            | 102   | 92                |
| 1928.....                        | 101                               | 101                                                        | 99         | 103            | 101                                     | 101                            | 98               | 103           | 107   | 91                |
| 1929.....                        | 99                                | 99                                                         | 98         | 102            | 100                                     | 102                            | 95               | 102           | 106   | 90                |
| 1930.....                        | 86                                | 94                                                         | 92         | 97             | 92                                      | 91                             | 89               | 86            | 96    | 83                |
| 1931.....                        | 69                                | 81                                                         | 78         | 85             | 74                                      | 69                             | 72               | 63            | 79    | 73                |
| 1932.....                        | 44                                | 69                                                         | 67         | 76             | 64                                      | 61                             | 64               | 47            | 64    | 60                |
| 1933.....                        | 48                                | 71                                                         | 68         | 77             | 67                                      | 48                             | 65               | 50            | 64    | 70                |
| 1934.....                        | 61                                | 80                                                         | 76         | 87             | 77                                      | 64                             | 74               | 64            | 75    | 77                |
| 1935.....                        | 73                                | 81                                                         | 77         | 88             | 91                                      | 59                             | 79               | 77            | 88    | 76                |
| 1934                             |                                   |                                                            |            |                |                                         |                                |                  |               |       |                   |
| March.....                       | 57                                | 78                                                         | 75         | 83             | 74                                      | <sup>3</sup> 53                | 73               | 60            | 71    | 77                |
| June.....                        | 59                                | 79                                                         | 76         | 84             | 74                                      | <sup>3</sup> 54                | 74               | 62            | 74    | 77                |
| September.....                   | 70                                | 82                                                         | 78         | 90             | 80                                      | <sup>3</sup> 56                | 77               | 71            | 80    | 77                |
| December.....                    | 69                                | 82                                                         | 76         | 91             | 84                                      | <sup>3</sup> 51                | 76               | 70            | 80    | 76                |
| 1935                             |                                   |                                                            |            |                |                                         |                                |                  |               |       |                   |
| March.....                       | 73                                | 82                                                         | 77         | 91             | 80                                      | <sup>3</sup> 56                | 79               | 76            | 87    | 76                |
| June.....                        | 71                                | 82                                                         | 77         | 90             | 86                                      | <sup>3</sup> 59                | 79               | 76            | 87    | 76                |
| September.....                   | 73                                | 80                                                         | 77         | 85             | 92                                      | <sup>3</sup> 61                | 80               | 77            | 91    | 76                |
| December.....                    | 75                                | 79                                                         | 77         | 83             | 95                                      | <sup>3</sup> 56                | 80               | 76            | 91    | 77                |
| 1936                             |                                   |                                                            |            |                |                                         |                                |                  |               |       |                   |
| March.....                       | 71                                | 79                                                         | 76         | 83             | 91                                      | <sup>3</sup> 60                | 79               | 74            | 85    | 77                |
| June.....                        | 73                                | 78                                                         | 75         | 83             | 93                                      | <sup>3</sup> 65                | 79               | 76            | 85    | 77                |

<sup>1</sup> Annual indexes are based on retail prices paid by farmers, reported quarterly.<sup>2</sup> Average for 1913 and 1914.<sup>3</sup> Wages for the month following the one stated in the stub.

Source: Departments of Agriculture and Labor; indexes computed to a 1923-1925 base by Bureau of Foreign and Domestic Commerce.

## No. 584.—VALUE OF EXPORTS OF PRINCIPAL AGRICULTURAL PRODUCTS OR GROUPS OF PRODUCTS

NOTE.—In millions and tenths of millions of dollars. Data for 1910 to 1914 cover fiscal years ended June 30; other data, calendar years. Reexports of foreign products are excluded.

| Products                                                          | 1910-1914, average | 1921-1925, average | 1926-1930, average | 1931-1935, average | 1931  | 1932  | 1933  | 1934  | 1935  |
|-------------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|-------|-------|-------|-------|-------|
| Grand total.....                                                  | 1,035.7            | 2,013.2            | 1,691.6            | 731.7              | 821.3 | 662.3 | 694.4 | 733.4 | 747.1 |
| Live animals.....                                                 | 13.0               | 10.0               | 5.8                | 1.5                | 1.6   | .9    | 1.0   | 1.8   | 2.0   |
| Meats.....                                                        | 62.7               | 133.2              | 71.4               | 23.7               | 32.2  | 15.0  | 20.2  | 27.8  | 22.6  |
| Eggs and dairy products.....                                      | 6.3                | 38.9               | 23.7               | 6.9                | 12.8  | 6.6   | 4.4   | 5.7   | 5.1   |
| Animal fats and oils <sup>1</sup> .....                           | 83.8               | 144.1              | 116.1              | 37.0               | 60.4  | 37.8  | 40.3  | 31.3  | 15.1  |
| Hides and skins.....                                              | 3.2                | 7.6                | 9.0                | 3.2                | 3.1   | 2.2   | 2.0   | 4.3   | 4.2   |
| Bread grains <sup>2</sup> .....                                   | 107.6              | 363.9              | 248.5              | 40.4               | 85.8  | 52.7  | 19.4  | 23.0  | 16.1  |
| Coarse grains.....                                                | 36.8               | 97.0               | 59.0               | 9.3                | 12.6  | 9.1   | 8.9   | 8.4   | 7.5   |
| Rice.....                                                         | .6                 | 11.9               | 10.8               | 4.7                | 7.4   | 5.0   | 3.1   | 2.8   | 5.0   |
| Fodders and feeds.....                                            | 28.1               | 26.7               | 27.2               | 9.3                | 13.6  | 11.0  | 9.1   | 6.8   | 6.1   |
| Vegetables.....                                                   | 5.8                | 16.4               | 18.7               | 8.0                | 10.6  | 6.3   | 6.2   | 7.6   | 9.2   |
| Fruits.....                                                       | 29.4               | 81.5               | 120.8              | 83.2               | 108.2 | 76.5  | 67.6  | 72.1  | 91.6  |
| Vegetable oils, expressed, oil-seeds, and nuts <sup>1</sup> ..... | 21.2               | 18.8               | 12.1               | 6.5                | 7.2   | 7.6   | 5.8   | 5.6   | 6.5   |
| Coffee and substitutes.....                                       | 7.3                | 6.5                | 4.9                | 1.9                | 2.3   | 1.4   | 1.7   | 2.2   | 1.9   |
| Sugar and related products.....                                   | 9.5                | 48.1               | 13.9               | 4.8                | 5.1   | 3.1   | 3.4   | 5.3   | 6.7   |
| Seeds, except oilseeds.....                                       | 2.6                | 3.8                | 3.5                | 1.0                | 2.3   | 1.5   | 1.7   | 2.5   | 1.6   |
| Tobacco.....                                                      | 44.8               | 164.6              | 144.5              | 103.7              | 110.8 | 65.9  | 82.9  | 125.1 | 134.0 |
| Cotton.....                                                       | 551.9              | 805.0              | 765.7              | 366.6              | 325.7 | 345.2 | 398.2 | 372.8 | 390.9 |
| Wool and hair.....                                                | 1.3                | 1.6                | 2.3                | 1.5                | 1.2   | .8    | 1.4   | 2.1   | 2.1   |
| All other.....                                                    | 19.9               | 33.6               | 33.9               | 17.6               | 18.5  | 12.7  | 16.9  | 20.7  | 19.0  |

<sup>1</sup> Beginning 1921, lard compounds excluded from animal fats and oils and included in vegetable oils.<sup>2</sup> Includes wheat and rye; also flour and flour products.

Source: Bureau of Foreign and Domestic Commerce.

No. 585.—VALUE OF AGRICULTURAL EXPORTS: BY MAJOR GROUPS

NOTE.—In millions and tenths of millions of dollars. Excludes reexports of foreign products

| Yearly average or year<br>(calendar) | Total agricul-<br>tural<br>exports | Animals<br>and<br>prod-<br>ucts,<br>edible <sup>1</sup> | Dairy<br>prod-<br>ucts<br>and<br>eggs | Grains<br>and<br>prepara-<br>tions | Vege-<br>tables,<br>fruits,<br>and<br>nuts | Miscel-<br>laneous<br>animal<br>and<br>vegetable<br>products <sup>1</sup> | Cotton  | To-<br>bacco |
|--------------------------------------|------------------------------------|---------------------------------------------------------|---------------------------------------|------------------------------------|--------------------------------------------|---------------------------------------------------------------------------|---------|--------------|
| 1910-1914 (fiscal).....              | 1,035.7                            | 151.8                                                   | 6.8                                   | 147.3                              | 35.0                                       | 98.7                                                                      | 551.9   | 44.8         |
| 1921-1925.....                       | 2,013.2                            | 283.2                                                   | 38.9                                  | 474.3                              | 102.0                                      | 143.3                                                                     | 805.0   | 104.6        |
| 1926-1930.....                       | 1,691.6                            | 189.7                                                   | 23.7                                  | 318.6                              | 144.3                                      | 105.1                                                                     | 765.7   | 144.5        |
| 1931-1936.....                       | 731.7                              | 63.9                                                    | 6.9                                   | 54.6                               | 94.4                                       | 41.6                                                                      | 368.5   | 103.7        |
| 1924.....                            | 2,110.1                            | 274.4                                                   | 35.7                                  | 433.8                              | 117.1                                      | 134.4                                                                     | 950.6   | 104.1        |
| 1925.....                            | 2,136.2                            | 269.3                                                   | 31.1                                  | 351.8                              | 121.1                                      | 149.4                                                                     | 1,059.8 | 163.8        |
| 1926.....                            | 1,816.7                            | 236.7                                                   | 26.8                                  | 355.7                              | 132.6                                      | 113.6                                                                     | 814.4   | 136.9        |
| 1927.....                            | 1,684.6                            | 181.6                                                   | 25.3                                  | 443.8                              | 143.6                                      | 124.5                                                                     | 829.3   | 139.7        |
| 1928.....                            | 1,863.1                            | 182.3                                                   | 24.7                                  | 315.7                              | 152.0                                      | 113.9                                                                     | 920.0   | 164.5        |
| 1929.....                            | 1,602.9                            | 198.2                                                   | 22.1                                  | 286.4                              | 162.8                                      | 106.6                                                                     | 770.8   | 146.1        |
| 1930.....                            | 1,200.7                            | 149.9                                                   | 19.5                                  | 191.3                              | 130.4                                      | 67.1                                                                      | 496.8   | 145.6        |
| 1931.....                            | 821.3                              | 93.2                                                    | 12.8                                  | 103.0                              | 122.0                                      | 56.7                                                                      | 325.7   | 110.8        |
| 1932.....                            | 662.3                              | 55.2                                                    | 6.6                                   | 69.9                               | 84.9                                       | 37.6                                                                      | 345.2   | 85.9         |
| 1933.....                            | 694.4                              | 63.6                                                    | 4.4                                   | 31.5                               | 77.1                                       | 38.6                                                                      | 398.2   | 82.9         |
| 1934.....                            | 733.4                              | 64.7                                                    | 5.7                                   | 39.4                               | 83.4                                       | 42.4                                                                      | 372.8   | 125.1        |
| 1935.....                            | 747.1                              | 42.8                                                    | 5.1                                   | 28.9                               | 104.4                                      | 41.0                                                                      | 300.9   | 134.0        |

<sup>1</sup> Beginning 1921, lard compounds excluded from animals and products and included in miscellaneous.

No. 586.—VALUE OF AGRICULTURAL IMPORTS: <sup>1</sup>By MAJOR GROUPS

[In thousands of dollars]

| Group                                          | 1926-30,<br>average | 1932    | 1933    | 1934    | 1935      |
|------------------------------------------------|---------------------|---------|---------|---------|-----------|
| Agricultural imports <sup>1</sup> , total..... |                     |         |         |         | 1,105,791 |
| Commodities listed below, total.....           | 2,011,882           | 642,665 | 697,437 | 820,870 | 1,081,564 |
| Animals and products, edible.....              | 50,128              | 9,706   | 10,420  | 14,455  | 30,496    |
| Dairy products and eggs.....                   | 38,239              | 13,911  | 11,072  | 11,334  | 10,690    |
| Hides and skins, except reptile.....           | 116,946             | 21,738  | 43,645  | 34,607  | 45,352    |
| Animal fats, inedible.....                     | 2,124               | 479     | 527     | 2,021   | 13,926    |
| Grains and preparations.....                   | 24,487              | 7,661   | 13,235  | 35,431  | 78,314    |
| Fodders and feeds.....                         | 14,796              | 2,270   | 4,192   | 7,593   | 12,032    |
| Vegetables, fruits, nuts.....                  | 125,545             | 60,925  | 52,194  | 61,939  | 73,235    |
| Vegetable oils (expressed) and oilseeds.....   | 147,939             | 45,736  | 60,992  | 57,937  | 113,000   |
| Cocoa, coffee, tea, spices.....                | 373,372             | 177,189 | 165,013 | 179,839 | 191,548   |
| Sugar and related products.....                | 223,196             | 105,025 | 111,437 | 128,982 | 147,088   |
| Beverages.....                                 | 1,153               | 681     | 8,924   | 50,197  | 42,632    |
| Crude rubber.....                              | 294,428             | 32,538  | 45,868  | 101,573 | 119,082   |
| Tobacco, unmanufactured.....                   | 57,018              | 23,027  | 24,582  | 25,131  | 25,782    |
| Cotton, unmanufactured.....                    | 42,663              | 6,950   | 7,493   | 9,456   | 7,063     |
| Wool and mohair, unmanufactured.....           | 78,790              | 6,029   | 18,547  | 16,784  | 29,925    |
| Raw silk.....                                  | 368,232             | 113,882 | 102,536 | 71,794  | 96,797    |
| Vegetable fibers, except cotton and silk.....  | 52,823              | 14,861  | 15,810  | 15,757  | 23,782    |

<sup>1</sup> General imports through 1932, imports for consumption thereafter.

<sup>2</sup> Value of total agricultural products not available on a calendar year basis prior to 1935.

No. 587.—AGRICULTURAL EXPORT INDEXES: QUANTITY AND VALUE

| Yearly average or year | Agricultural exports,<br>other than cotton<br>and tobacco |               |       | Cotton        |               |       | Tobacco       |               |       |
|------------------------|-----------------------------------------------------------|---------------|-------|---------------|---------------|-------|---------------|---------------|-------|
|                        | Quan-<br>tity                                             | Unit<br>value | Value | Quan-<br>tity | Unit<br>value | Value | Quan-<br>tity | Unit<br>value | Value |
| 1910-1914.....         | 100                                                       | 100           | 100   | 100           | 100           | 100   | 100           | 100           | 100   |
| 1924.....              | 169                                                       | 134           | 227   | 78            | 222           | 172   | 147           | 249           | 360   |
| 1925.....              | 184                                                       | 157           | 210   | 98            | 196           | 192   | 135           | 255           | 343   |
| 1926.....              | 137                                                       | 144           | 197   | 105           | 141           | 148   | 136           | 228           | 306   |
| 1927.....              | 151                                                       | 188           | 209   | 108           | 139           | 150   | 143           | 219           | 312   |
| 1928.....              | 136                                                       | 132           | 180   | 102           | 164           | 167   | 184           | 188           | 345   |
| 1929.....              | 136                                                       | 130           | 177   | 88            | 159           | 140   | 177           | 185           | 328   |
| 1930.....              | 108                                                       | 118           | 127   | 77            | 117           | 90    | 177           | 194           | 325   |
| 1931.....              | 99                                                        | 88            | 88    | 81            | 73            | 59    | 166           | 149           | 247   |
| 1932.....              | 81                                                        | 70            | 57    | 106           | 59            | 63    | 123           | 119           | 147   |
| 1933.....              | 67                                                        | 73            | 49    | 99            | 73            | 72    | 136           | 136           | 185   |
| 1934.....              | 94                                                        | 83            | 54    | 98            | 98            | 67    | 137           | 203           | 279   |
| 1935.....              | 52                                                        | 97            | 51    | 70            | 101           | 71    | 128           | 234           | 299   |

Sources of tables 585, 586, and 587: Bureau of Foreign and Domestic Commerce.

## No. 588.—AGRICULTURAL EXPORT INDEXES: BY GROUPS OF PRODUCTS

| Group                                                         | Relative numbers 1935 as compared with 1934 as 100 |            |       | Relative numbers 1935 as compared with 1910-1914 as 100 (direct comparison) |            |       |
|---------------------------------------------------------------|----------------------------------------------------|------------|-------|-----------------------------------------------------------------------------|------------|-------|
|                                                               | Quantity                                           | Unit value | Value | Quantity                                                                    | Unit value | Value |
| Total agricultural exports other than cotton and tobacco..... | 81                                                 | 117        | 94    | 47                                                                          | 107        | 51    |
| Animal products, edible.....                                  | 44                                                 | 149        | 66    | 25                                                                          | 111        | 28    |
| Dairy products and eggs.....                                  | 34                                                 | 107        | 90    | 60                                                                          | 118        | 81    |
| Grains and preparations.....                                  | 65                                                 | 113        | 73    | 18                                                                          | 107        | 26    |
| Vegetables, fruits, and nuts.....                             | 127                                                | 90         | 125   | 294                                                                         | 101        | 298   |
| Cotton.....                                                   | 102                                                | 103        | 105   | 73                                                                          | 97         | 71    |
| Tobacco.....                                                  | 93                                                 | 115        | 107   | (1)                                                                         | (1)        | (1)   |

<sup>1</sup> Not computed.

Source: Bureau of Foreign and Domestic Commerce, Department of Commerce.

No. 589.—FOREIGN TRADE IN AGRICULTURAL AND FOREST PRODUCTS:  
YEARS ENDED JUNE 30

NOTE.—All figures, except percentages, in thousands of dollars. Crude rubber and similar gums (now mostly plantation products) are included in agricultural products and excluded from forest products

| Yearly average<br>or year ended<br>June 30— | Agricultural exports<br>(excl. forest products) |                                            | Agricultural imports<br>(excl. forest products) |             |                               | Forest products              |                                         |           |
|---------------------------------------------|-------------------------------------------------|--------------------------------------------|-------------------------------------------------|-------------|-------------------------------|------------------------------|-----------------------------------------|-----------|
|                                             | United States<br>products                       |                                            | Foreign<br>products<br>(reex-<br>ports)         | Total       | Per cent<br>of all<br>imports | Exports                      |                                         | Imports   |
|                                             | Total                                           | Per cent<br>of all<br>exports <sup>1</sup> |                                                 |             |                               | United<br>States<br>products | Foreign<br>products<br>(reex-<br>ports) |           |
| 1857-1861.....                              | 215,709                                         | 81.1                                       | 10,372                                          | 122,055     | 38.5                          | 9,995                        | 764                                     | 5,905     |
| 1862-1866.....                              | 148,866                                         | 75.7                                       | 9,272                                           | 123,539     | 43.4                          | 7,366                        | 714                                     | 7,194     |
| 1867-1871.....                              | 250,713                                         | 76.9                                       | 8,785                                           | 182,762     | 43.0                          | 11,775                       | 443                                     | 11,825    |
| 1872-1876.....                              | 396,666                                         | 78.5                                       | 9,177                                           | 268,481     | 47.4                          | 17,007                       | 635                                     | 14,403    |
| 1877-1881.....                              | 591,351                                         | 80.4                                       | 8,746                                           | 273,780     | 51.8                          | 17,579                       | 439                                     | 14,610    |
| 1882-1886.....                              | 557,473                                         | 76.3                                       | 9,803                                           | 324,006     | 48.8                          | 24,705                       | 955                                     | 21,354    |
| 1887-1891.....                              | 673,287                                         | 74.7                                       | 7,274                                           | 381,971     | 50.3                          | 26,061                       | 1,152                                   | 24,030    |
| 1892-1896.....                              | 638,748                                         | 73.0                                       | 9,420                                           | 416,042     | 53.0                          | 20,276                       | 734                                     | 27,448    |
| 1897-1901.....                              | 827,566                                         | 65.9                                       | 13,009                                          | 404,335     | 53.9                          | 45,901                       | 1,236                                   | 25,172    |
| 1902-1906.....                              | 879,541                                         | 59.5                                       | 14,554                                          | 528,165     | 50.2                          | 63,685                       | 1,219                                   | 40,960    |
| 1907-1911.....                              | 976,399                                         | 53.9                                       | 16,812                                          | 707,997     | 50.4                          | 88,764                       | 1,803                                   | 65,822    |
| 1912-1916.....                              | 1,250,452                                       | 45.1                                       | 28,070                                          | 1,030,002   | 55.8                          | 92,129                       | 1,768                                   | 81,467    |
| 1917-1921.....                              | 2,859,558                                       | 42.7                                       | 82,829                                          | 2,165,276   | 61.5                          | 120,260                      | 3,596                                   | 168,982   |
| 1922-1926.....                              | 1,950,850                                       | 45.9                                       | 58,806                                          | 1,982,253   | 53.5                          | 141,078                      | 1,715                                   | 214,824   |
| 1927-1931.....                              | 1,620,894                                       | 35.9                                       | 57,803                                          | 1,941,577   | 51.2                          | 150,820                      | 1,458                                   | 205,676   |
| 1916.....                                   | 1,518,071                                       | 35.5                                       | 45,017                                          | 1,340,563   | 61.4                          | 68,156                       | 1,435                                   | 94,265    |
| 1917.....                                   | 1,968,263                                       | 31.6                                       | 45,420                                          | 1,500,660   | 60.2                          | 68,919                       | 3,392                                   | 120,590   |
| 1918.....                                   | 2,280,466                                       | 30.1                                       | 44,210                                          | 1,820,430   | 62.0                          | 87,181                       | 1,409                                   | 128,490   |
| 1919.....                                   | 3,579,918                                       | 50.6                                       | 105,587                                         | 1,930,028   | 62.3                          | 113,275                      | 3,768                                   | 132,588   |
| 1920.....                                   | 3,801,511                                       | 48.6                                       | 128,191                                         | 3,410,018   | 65.1                          | 190,049                      | 5,380                                   | 225,061   |
| 1921.....                                   | 2,607,041                                       | 40.8                                       | 90,739                                          | 2,060,237   | 56.4                          | 141,876                      | 4,043                                   | 225,162   |
| 1922.....                                   | 1,915,896                                       | 51.8                                       | 43,689                                          | 1,371,720   | 52.6                          | 94,115                       | 2,915                                   | 156,843   |
| 1923.....                                   | 1,790,168                                       | 46.3                                       | 48,393                                          | 2,077,240   | 54.9                          | 129,981                      | 1,956                                   | 234,598   |
| 1924.....                                   | 1,587,098                                       | 44.2                                       | 62,719                                          | 1,875,365   | 52.8                          | 162,374                      | 1,563                                   | 216,712   |
| 1925.....                                   | 2,280,381                                       | 47.7                                       | 64,168                                          | 2,057,163   | 53.8                          | 156,187                      | 1,290                                   | 227,423   |
| 1926.....                                   | 1,591,739                                       | 40.7                                       | 75,162                                          | 2,529,775   | 56.7                          | 162,731                      | 1,450                                   | 238,645   |
| 1927.....                                   | 1,907,864                                       | 39.2                                       | 72,222                                          | 2,281,421   | 53.7                          | 171,970                      | 1,366                                   | 236,247   |
| 1928.....                                   | 1,816,451                                       | 38.0                                       | 73,801                                          | 2,193,808   | 52.9                          | 174,609                      | 1,528                                   | 215,874   |
| 1929.....                                   | 1,847,216                                       | 35.0                                       | 63,042                                          | 2,179,046   | 50.8                          | 178,082                      | 2,157                                   | 222,249   |
| 1930.....                                   | 1,495,007                                       | 32.4                                       | 50,070                                          | 1,890,508   | 40.1                          | 161,743                      | 1,382                                   | 209,418   |
| 1931.....                                   | 1,038,634                                       | 34.2                                       | 28,791                                          | 1,163,054   | 47.8                          | 97,695                       | 858                                     | 142,593   |
| 1932.....                                   | 752,145                                         | 39.4                                       | 22,692                                          | 894,238     | 48.2                          | 62,270                       | 409                                     | 104,540   |
| 1933.....                                   | 589,653                                         | 41.7                                       | 14,703                                          | 611,688     | 52.4                          | 46,634                       | 297                                     | 65,543    |
| 1934.....                                   | 787,247                                         | 39.2                                       | 21,228                                          | 858,912     | 51.3                          | 72,913                       | 400                                     | * 109,149 |
| 1935.....                                   | 688,713                                         | 32.1                                       | 20,260                                          | * 970,783   | 54.3                          | 82,786                       | 367                                     | * 108,449 |
| 1936 (preliminary).....                     | 766,304                                         | 32.3                                       | ( <sup>2</sup> )                                | * 1,184,720 | 53.7                          | 86,606                       | ( <sup>2</sup> )                        | * 136,437 |

<sup>1</sup> Based on total exports of United States merchandise.<sup>2</sup> Imports for consumption.<sup>3</sup> Not yet available.

Source: Bureau of Agricultural Economics, Department of Agriculture, and Bureau of Foreign and Domestic Commerce and predecessor organizations.

## 27.—FARM ANIMALS AND ANIMAL PRODUCTS

[Data in this section relate to continental United States]

### No. 590.—DOMESTIC ANIMALS ON FARMS: NUMBER AND VALUE

NOTE.—Animals of all ages are included except in figures for cattle and sheep, 1880 and 1890, which are nominally exclusive of calves and lambs, respectively. The difference in date of enumeration affects the comparability of the census figures for all classes and especially for swine

| Year and date                       | Number (thousands) |       |            |                         |              |        |        | Value of all animals (thousands of dollars) <sup>1</sup> |
|-------------------------------------|--------------------|-------|------------|-------------------------|--------------|--------|--------|----------------------------------------------------------|
|                                     | Horses             | Mules | All cattle | Dairy cows <sup>2</sup> | Other cattle | Sheep  | Swine  |                                                          |
| <b>Census returns—</b>              |                    |       |            |                         |              |        |        |                                                          |
| 1880 (June 1)---                    | 10,357             | 1,813 | 39,676     | 12,443                  | 27,232       | 42,192 | 49,773 | -----                                                    |
| 1890 (June 1)---                    | 15,260             | 2,252 | 57,649     | 16,512                  | 41,137       | 40,870 | 57,427 | -----                                                    |
| 1900 (June 1)---                    | 18,267             | 3,205 | 67,719     | 17,136                  | 50,584       | 61,504 | 62,868 | 2,970,121                                                |
| 1910 (Apr. 15)---                   | 19,833             | 4,210 | 61,804     | 20,625                  | 41,178       | 62,448 | 58,186 | 4,740,634                                                |
| 1920 (Jan. 1)---                    | 19,767             | 5,432 | 66,640     | 19,675                  | 46,964       | 35,034 | 59,346 | 7,596,877                                                |
| 1925 (Jan. 1)---                    | 10,401             | 5,681 | 60,760     | 17,645                  | 43,115       | 35,590 | 50,854 | 4,439,966                                                |
| 1930 (Apr. 1)---                    | 13,611             | 5,376 | 63,896     | 20,499                  | 43,397       | 56,975 | 56,288 | 5,707,594                                                |
| 1935 (Jan. 1)---                    | 11,868             | 4,818 | 68,284     | -----                   | -----        | 48,358 | 37,213 | 3,418,510                                                |
| <b>Estimates Jan. 1<sup>3</sup></b> |                    |       |            |                         |              |        |        |                                                          |
| 1915-----                           | 21,195             | 4,479 | 62,532     | 19,526                  | 43,005       | 36,287 | 57,000 | 5,839,338                                                |
| 1916-----                           | 21,159             | 4,593 | 66,394     | 20,064                  | 46,330       | 36,543 | 59,700 | 5,892,976                                                |
| 1917-----                           | 21,210             | 4,728 | 69,533     | 20,541                  | 48,992       | 36,700 | 56,700 | 6,537,327                                                |
| 1918-----                           | 21,555             | 4,873 | 71,229     | 21,021                  | 50,208       | 39,000 | 61,200 | 7,655,129                                                |
| 1919-----                           | 21,482             | 4,954 | 70,261     | 21,219                  | 49,042       | 41,000 | 63,800 | 8,384,013                                                |
| 1920-----                           | 20,161             | 5,656 | 70,435     | 21,455                  | 48,980       | 40,743 | 60,159 | 8,117,488                                                |
| 1921-----                           | 19,423             | 5,772 | 68,764     | 21,456                  | 47,308       | 39,479 | 58,042 | 6,056,523                                                |
| 1922-----                           | 18,801             | 5,827 | 68,795     | 21,851                  | 46,944       | 36,922 | 56,849 | 4,753,920                                                |
| 1923-----                           | 18,149             | 5,895 | 67,546     | 22,138                  | 45,408       | 30,803 | 60,304 | 5,057,058                                                |
| 1924-----                           | 17,396             | 5,908 | 65,996     | 22,331                  | 43,665       | 37,139 | 66,576 | 4,741,179                                                |
| 1925-----                           | 10,051             | 5,918 | 63,373     | 22,575                  | 40,798       | 38,543 | 55,770 | 4,676,417                                                |
| 1926-----                           | 10,083             | 5,903 | 60,576     | 22,432                  | 38,144       | 40,363 | 52,105 | 4,998,342                                                |
| 1927-----                           | 15,388             | 5,804 | 58,178     | 22,286                  | 35,892       | 42,415 | 55,496 | 5,102,306                                                |
| 1928-----                           | 14,792             | 5,656 | 57,322     | 22,287                  | 35,035       | 45,268 | 61,873 | 5,617,013                                                |
| 1929-----                           | 14,234             | 5,610 | 58,877     | 22,508                  | 36,369       | 48,381 | 59,042 | 6,163,718                                                |
| 1930-----                           | 13,742             | 5,382 | 61,003     | 23,106                  | 37,897       | 51,565 | 55,705 | 6,061,330                                                |
| 1931-----                           | 13,195             | 5,273 | 63,030     | 23,885                  | 39,145       | 53,233 | 54,835 | 4,522,709                                                |
| 1932-----                           | 12,604             | 5,148 | 65,770     | 24,982                  | 40,788       | 53,974 | 59,301 | 3,572,658                                                |
| 1933-----                           | 12,291             | 5,040 | 70,214     | 26,030                  | 44,184       | 53,075 | 62,127 | 2,772,136                                                |
| 1934-----                           | 12,052             | 4,945 | 74,262     | 27,059                  | 47,203       | 53,713 | 58,621 | 2,976,762                                                |
| 1935-----                           | 11,861             | 4,822 | 68,529     | 26,236                  | 42,293       | 52,251 | 39,004 | 3,250,294                                                |
| 1936-----                           | 11,637             | 4,085 | 68,213     | 25,622                  | 42,591       | 51,690 | 42,541 | 4,885,426                                                |

<sup>1</sup> Includes only value of animals specified in the preceding columns.

<sup>2</sup> Census returns prior to 1900 represented "milk" cows; in 1900, cows kept for milk 2 years old and over; in 1910, cows and heifers kept for milk born before Jan. 1, 1909 (estimated number 2 years old and over Jan. 1, 17,125,000); in 1920 and 1925, dairy cows and heifers 2 years old and over; in 1930, cows and heifers, born before 1928, kept mainly for milk production. Census data are not available for 1935. Estimates as of Jan. 1 represent cows and heifers 2 years old and over kept for milk.

<sup>3</sup> Estimates by Bureau of Agricultural Economics, Department of Agriculture; value, 1915 to 1919, computed by Bureau of Foreign and Domestic Commerce, based on United States average price for each class. Values for later years represent sum of values by age groups.

### No. 591.—DOMESTIC ANIMALS AND CHICKENS ON FARMS: NUMBER AND VALUE, BY CLASSES, AND NUMBER OF FARMS REPORTING

NOTE.—Data for 1925 and 1935 are as of Jan. 1 and for 1930, as of Apr. 1. Owing to the difference in the date of enumeration, the figures for 1930 are not closely comparable with those for other years. The total value of all livestock for which data were collected at each census is shown in table 550, p. 570. Available data for number and value of certain classes not shown in the table below are as follows: Asses and burros, 1930, number, 48,000, value, \$1,881,000; turkeys over 3 months old, 1935, number, 5,382,000, value, \$11,668,000; hives of bees (on farms and elsewhere), 1930, number, 3,108,000; value, \$13,632,000

|                                          | Horses | Mules | All cattle | All cows 2 years old and over | Sheep  | Goats | Swine   | Chick-ens |
|------------------------------------------|--------|-------|------------|-------------------------------|--------|-------|---------|-----------|
| <b>Number (thousands):</b>               |        |       |            |                               |        |       |         |           |
| 1925-----                                | 16,401 | 5,681 | 60,780     | 32,554                        | 35,590 | 3,370 | 50,854  | 409,291   |
| 1930-----                                | 13,611 | 5,375 | 63,896     | 128,336                       | 56,975 | 4,821 | 56,288  | 2,378,878 |
| 1935-----                                | 11,858 | 4,818 | 68,284     | 36,031                        | 48,358 | 4,093 | 37,213  | 2,371,603 |
| <b>Increase (thousands):<sup>3</sup></b> |        |       |            |                               |        |       |         |           |
| 1925-30-----                             | -2,890 | -305  | 3,135      | -4,218                        | 21,385 | 1,451 | 5,434   | -30,413   |
| 1930-35-----                             | -1,853 | -557  | 4,389      | 8,505                         | -8,618 | -723  | -19,075 | -7,275    |
| <b>Percent increase:<sup>3</sup></b>     |        |       |            |                               |        |       |         |           |
| 1925-30-----                             | -17.6  | -5.4  | 5.2        | -13.0                         | 60.1   | 43.1  | 10.7    | -7.4      |
| 1930-35-----                             | -12.2  | -10.4 | 6.9        | 30.3                          | -15.1  | -15.1 | -33.9   | -1.9      |

For footnotes see p. 610.



No. 591.—DOMESTIC ANIMALS AND CHICKENS ON FARMS: NUMBER AND VALUE, BY CLASSES, AND NUMBER OF FARMS REPORTING—Continued

|                                                      | Horses    | Mules   | All cattle       | All cows<br>2 years old<br>and over | Sheep   | Goats  | Swine   | Chickens |
|------------------------------------------------------|-----------|---------|------------------|-------------------------------------|---------|--------|---------|----------|
| Number of farms reporting:                           |           |         |                  |                                     |         |        |         |          |
| 1925.....                                            | 45,886    |         | ( <sup>1</sup> ) | ( <sup>1</sup> )                    | 431     | 91     | 3,619   | 6,509    |
| 1930.....                                            | 45,025    |         | 4,893            | ( <sup>1</sup> )                    | 584     | 113    | 3,535   | 6,373    |
| 1935.....                                            | 3,537     | 2,266   | 5,481            | 5,377                               | 635     | 158    | 3,971   | 6,833    |
| Percent of all farms:                                |           |         |                  |                                     |         |        |         |          |
| 1925.....                                            | 84.2      |         | ( <sup>1</sup> ) | ( <sup>1</sup> )                    | 6.8     | 1.4    | 56.8    | 86.4     |
| 1930.....                                            | 79.9      |         | 76.4             | ( <sup>1</sup> )                    | 9.3     | 1.8    | 56.2    | 85.4     |
| 1935.....                                            | 51.9      | 33.1    | 80.5             | 78.9                                | 9.3     | 2.3    | 58.3    | 86.0     |
| Average number per farm reporting:                   |           |         |                  |                                     |         |        |         |          |
| 1925.....                                            | 44.1      |         | ( <sup>1</sup> ) | ( <sup>1</sup> )                    | 82.6    | 36.0   | 14.1    | 74       |
| 1930.....                                            | 43.8      |         | 13.3             | ( <sup>1</sup> )                    | 97.0    | 42.7   | 15.0    | 71       |
| 1935.....                                            | 3.4       | 2.1     | 12.5             | 6.9                                 | 70.1    | 26.0   | 9.4     | 64       |
| Average number per 1,000 acres of all land in farms: |           |         |                  |                                     |         |        |         |          |
| 1925.....                                            | 18        | 6       | 66               | 35                                  | 39      | 4      | 55      | 443      |
| 1930.....                                            | 14        | 6       | 65               | 29                                  | 58      | 6      | 67      | 384      |
| 1935.....                                            | 11        | 5       | 65               | 35                                  | 46      | 4      | 35      | 362      |
| Value (thousands of dollars):                        |           |         |                  |                                     |         |        |         |          |
| 1925.....                                            | 1,001,521 | 449,520 | 2,019,480        | 1,373,056                           | 354,485 | 10,250 | 614,951 | 370,011  |
| 1930.....                                            | 905,881   | 442,766 | 3,303,988        | 2,051,096                           | 413,800 | 19,320 | 641,099 | 321,025  |
| 1935.....                                            | 913,437   | 478,651 | 1,387,896        | 993,620                             | 208,871 | 6,116  | 220,367 | 101,504  |
| Average value per head:                              |           |         |                  |                                     |         |        |         |          |
| 1925.....                                            | \$61.07   | \$79.13 | \$33.24          | \$42.18                             | \$0.06  | \$3.04 | \$12.09 | \$0.93   |
| 1930.....                                            | 67.05     | 82.37   | 51.71            | 72.38                               | 7.26    | 4.01   | 11.39   | 2.35     |
| 1935.....                                            | 77.03     | 99.34   | 20.33            | 26.90                               | 4.32    | 1.49   | 5.02    | 2.62     |

<sup>1</sup> Cows and heifers born before 1923.<sup>2</sup> Chickens over 3 months old Apr. 1, 1930, and Jan. 1, 1935.<sup>3</sup> A minus sign (—) denotes decrease.<sup>4</sup> Number of farms reporting horses and (or) mules.<sup>5</sup> Not available.<sup>6</sup> Horses and mules.

Source: Bureau of the Census, Department of Commerce.

No. 592.—DOMESTIC ANIMALS ON FARMS: BY AGE AND SEX

| Class and year                                                      | Number<br>(thou-<br>sands) | Class and year                                                                           | Number<br>(thou-<br>sands) |
|---------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------|----------------------------|
| Horses and colts, all ages.... Apr. 1, 1930 <sup>1</sup> .....      | 13,384                     | Cattle and calves all ages—Continued.                                                    |                            |
| Colts 3 to 27 months old.... Jan. 1, 1935.....                      | 11,858                     | Steers and bulls over 15 months old..... Apr. 1, 1930.....                               | 5,014                      |
| Colts under 2 years of age.... Jan. 1, 1935.....                    | 857                        | Steers and bulls 1 year old and over..... Jan. 1, 1935.....                              | 6,038                      |
| Horses over 27 months old.... Apr. 1, 1930.....                     | 1,098                      | Cows and heifers over 27 months old..... Apr. 1, 1930.....                               | 28,336                     |
| Horses 2 years old and over..... Jan. 1, 1935.....                  | 12,420                     | Cows and heifers 2 years old and over..... Jan. 1, 1935.....                             | 36,630                     |
| Mules and mule colts, all ages..... Apr. 1, 1930 <sup>1</sup> ..... | 5,354                      | Sheep and lambs, all ages.... Apr. 1, 1930.....                                          | 66,875                     |
| Mule colts 3 to 27 months old.... Jan. 1, 1935.....                 | 4,818                      | Ewes 1 year old and over.... Jan. 1, 1935.....                                           | 48,328                     |
| Mule colts under 2 years of age.... Jan. 1, 1935.....               | 108                        | Swine, all ages..... Apr. 1, 1930.....                                                   | 58,268                     |
| Mules over 27 months old.... Apr. 1, 1930.....                      | 111                        | Sows and gilts farrowing (or to farrow) between Jan. 1 and June 1..... Apr. 1, 1930..... | 37,213                     |
| Mules 2 years old and over..... Jan. 1, 1935.....                   | 5,186                      | Sows and gilts bred or to be bred to farrow before June 1..... Jan. 1, 1935.....         | 7,074                      |
| Cattle and calves, all ages.... Apr. 1, 1930 <sup>1</sup> .....     | 54,250                     | Goats and kids, all ages.... Apr. 1, 1930.....                                           | 4,821                      |
| Calves under 1 year of age.... Jan. 1, 1935.....                    | 68,284                     |                                                                                          | 4,093                      |
| Heifers 15 to 27 months old.... Apr. 1, 1930.....                   | 16,117                     |                                                                                          |                            |
| Heifers 1 year old and under 2 years..... Jan. 1, 1935.....         | 5,843                      |                                                                                          |                            |
|                                                                     | 8,299                      |                                                                                          |                            |

<sup>1</sup> Figures for horses, mules, and cattle for 1930 excludes animals under 3 months of age.

Source: Bureau of the Census, Department of Commerce.

## No. 593.—CHICKENS ON FARMS, EGGS PRODUCED, AND CHICKENS RAISED

NOTE.—For additional figures for the United States as a whole see tables 591 and 605

| Division and State      | Chickens over 3 months old               |               |                            |               | Chicken eggs produced                    |                              |           |  | Chickens raised                          |         |                    |         |
|-------------------------|------------------------------------------|---------------|----------------------------|---------------|------------------------------------------|------------------------------|-----------|--|------------------------------------------|---------|--------------------|---------|
|                         | Farms reporting (thousands) <sup>1</sup> |               | Number on hand (thousands) |               | Farms reporting (thousands) <sup>1</sup> | Number (thousands of dozens) |           |  | Farms reporting (thousands) <sup>1</sup> |         | Number (thousands) |         |
|                         | 1930 (Apr. 1)                            | 1935 (Jan. 1) | 1930 (Apr. 1)              | 1935 (Jan. 1) |                                          | 1929                         | 1934      |  | 1929                                     | 1934    | 1929               | 1934    |
| United States.....      | 5,372.6                                  | 6,833.1       | 375,878                    | 371,803       | 5,879.2                                  | 2,689,719                    | 2,160,906 |  | 5,293.2                                  | 5,212.8 | 673,092            | 598,867 |
| New England.....        | 90.9                                     | 102.1         | 6,882                      | 8,234         | 95.0                                     | 63,103                       | 72,206    |  | 88.8                                     | 83.9    | 16,502             | 18,721  |
| Maine.....              | 27.3                                     | 27.6          | 1,451                      | 1,510         | 25.7                                     | 13,737                       | 12,844    |  | 26.7                                     | 22.3    | 3,238              | 3,063   |
| New Hampshire.....      | 10.5                                     | 11.7          | 914                        | 1,204         | 10.3                                     | 8,537                        | 10,694    |  | 10.3                                     | 9.5     | 2,679              | 3,168   |
| Vermont.....            | 18.7                                     | 18.3          | 749                        | 743           | 16.8                                     | 6,680                        | 6,923     |  | 18.3                                     | 14.9    | 1,378              | 1,225   |
| Massachusetts.....      | 18.1                                     | 21.8          | 1,925                      | 2,618         | 20.3                                     | 18,102                       | 24,080    |  | 17.7                                     | 18.2    | 5,088              | 6,038   |
| Rhode Island.....       | 2.6                                      | 3.0           | 304                        | 304           | 2.8                                      | 2,469                        | 2,458     |  | 2.5                                      | 2.4     | 608                | 655     |
| Connecticut.....        | 13.8                                     | 19.8          | 1,537                      | 1,947         | 18.6                                     | 13,578                       | 16,208    |  | 13.3                                     | 16.6    | 3,511              | 4,501   |
| Middle Atlantic.....    | 310.6                                    | 328.3         | 31,497                     | 33,989        | 310.4                                    | 253,507                      | 245,829   |  | 308.8                                    | 267.5   | 53,153             | 48,632  |
| New York.....           | 133.1                                    | 136.4         | 11,904                     | 12,648        | 123.7                                    | 97,927                       | 97,167    |  | 123.1                                    | 104.7   | 19,518             | 17,222  |
| New Jersey.....         | 20.6                                     | 22.5          | 4,097                      | 4,820         | 21.2                                     | 35,966                       | 36,445    |  | 20.1                                     | 18.7    | 7,995              | 7,812   |
| Pennsylvania.....       | 156.9                                    | 167.4         | 15,446                     | 16,520        | 160.5                                    | 110,624                      | 112,217   |  | 155.9                                    | 144.1   | 25,640             | 23,598  |
| East North Central..... | 881.2                                    | 958.7         | 77,694                     | 80,188        | 815.2                                    | 543,261                      | 483,478   |  | 870.2                                    | 846.1   | 137,853            | 124,480 |
| Ohio.....               | 200.1                                    | 224.7         | 18,080                     | 19,619        | 211.7                                    | 135,990                      | 120,976   |  | 197.3                                    | 194.1   | 22,574             | 20,473  |
| Indiana.....            | 167.0                                    | 181.5         | 14,083                     | 14,417        | 171.9                                    | 103,540                      | 86,885    |  | 165.0                                    | 165.9   | 28,048             | 26,721  |
| Illinois.....           | 202.3                                    | 215.4         | 22,852                     | 20,763        | 207.1                                    | 130,832                      | 109,541   |  | 200.4                                    | 201.9   | 33,125             | 33,401  |
| Michigan.....           | 140.3                                    | 103.4         | 10,389                     | 11,114        | 155.3                                    | 77,401                       | 79,081    |  | 142.9                                    | 136.0   | 18,146             | 15,942  |
| Wisconsin.....          | 165.6                                    | 173.8         | 13,139                     | 14,269        | 169.1                                    | 89,500                       | 93,196    |  | 164.5                                    | 148.2   | 19,960             | 18,942  |
| West North Central..... | 1,025.6                                  | 1,061.5       | 118,261                    | 98,771        | 1,020.7                                  | 778,038                      | 577,721   |  | 1,010.1                                  | 875.0   | 198,438            | 168,824 |
| Minnesota.....          | 107.5                                    | 173.9         | 16,611                     | 15,664        | 188.8                                    | 107,304                      | 102,576   |  | 104.9                                    | 156.9   | 26,979             | 24,578  |
| Iowa.....               | 205.6                                    | 206.7         | 30,666                     | 27,362        | 201.6                                    | 188,336                      | 147,422   |  | 202.4                                    | 105.1   | 48,216             | 42,393  |
| Missouri.....           | 236.1                                    | 251.0         | 25,197                     | 20,157        | 230.9                                    | 180,350                      | 118,284   |  | 232.4                                    | 202.7   | 40,783             | 33,294  |
| North Dakota.....       | 69.4                                     | 70.3          | 4,795                      | 3,469         | 68.8                                     | 27,889                       | 19,795    |  | 68.3                                     | 64.2    | 5,177              | 5,693   |
| South Dakota.....       | 74.8                                     | 72.3          | 8,546                      | 6,524         | 71.3                                     | 53,052                       | 29,837    |  | 73.8                                     | 65.2    | 14,659             | 9,087   |
| Nebraska.....           | 120.5                                    | 121.6         | 13,318                     | 11,454        | 119.2                                    | 85,565                       | 68,423    |  | 118.2                                    | 116.7   | 25,974             | 24,745  |
| Kansas.....             | 151.8                                    | 155.7         | 19,128                     | 15,141        | 151.1                                    | 135,542                      | 91,385    |  | 149.2                                    | 144.1   | 33,650             | 20,034  |
| South Atlantic.....     | 908.2                                    | 1,003.4       | 33,429                     | 38,760        | 900.2                                    | 222,457                      | 173,177   |  | 898.8                                    | 926.1   | 70,948             | 73,480  |
| Delaware.....           | 8.9                                      | 9.0           | 1,551                      | 1,073         | 8.5                                      | 11,201                       | 6,531     |  | 8.7                                      | 8.1     | 3,414              | 6,174   |
| Maryland.....           | 30.6                                     | 32.4          | 3,777                      | 3,589         | 37.6                                     | 27,709                       | 21,065    |  | 39.0                                     | 36.1    | 7,422              | 7,031   |
| Dist. of Col.....       | 1.1                                      | (?)           | 14                         | (?)           | 1.2                                      | 102                          | 107       |  | 1.1                                      | (?)     | 21                 | 16      |
| Virginia.....           | 156.3                                    | 175.9         | 7,043                      | 8,542         | 160.4                                    | 55,349                       | 43,067    |  | 151.6                                    | 165.4   | 19,728             | 16,517  |
| West Virginia.....      | 75.4                                     | 94.0          | 3,674                      | 4,124         | 86.0                                     | 27,930                       | 21,696    |  | 73.4                                     | 82.7    | 5,504              | 5,355   |
| North Carolina.....     | 241.5                                    | 265.6         | 6,385                      | 8,806         | 238.3                                    | 39,301                       | 33,601    |  | 236.6                                    | 246.2   | 14,727             | 16,180  |
| South Carolina.....     | 132.9                                    | 140.1         | 3,087                      | 3,894         | 141.2                                    | 15,907                       | 12,377    |  | 131.0                                    | 187.8   | 7,447              | 7,437   |
| Georgia.....            | 213.8                                    | 222.8         | 5,373                      | 6,622         | 213.5                                    | 30,534                       | 23,034    |  | 209.5                                    | 206.8   | 12,964             | 11,530  |
| Florida.....            | 40.6                                     | 50.5          | 1,950                      | 2,190         | 47.5                                     | 14,424                       | 11,699    |  | 38.9                                     | 43.1    | 3,421              | 3,239   |
| East South Central..... | 886.2                                    | 991.1         | 28,617                     | 35,867        | 933.9                                    | 178,281                      | 132,891   |  | 872.9                                    | 919.9   | 54,741             | 56,346  |
| Kentucky.....           | 215.4                                    | 244.4         | 8,920                      | 11,063        | 234.9                                    | 53,960                       | 39,705    |  | 219.4                                    | 229.4   | 17,356             | 18,501  |
| Tennessee.....          | 216.7                                    | 239.6         | 8,888                      | 10,811        | 231.9                                    | 57,320                       | 41,171    |  | 212.3                                    | 229.4   | 15,939             | 16,730  |
| Alabama.....            | 221.6                                    | 243.2         | 5,428                      | 6,778         | 234.0                                    | 34,565                       | 28,170    |  | 219.8                                    | 222.3   | 10,734             | 10,436  |
| Mississippi.....        | 232.5                                    | 263.8         | 5,381                      | 6,715         | 263.1                                    | 30,436                       | 23,844    |  | 230.6                                    | 238.8   | 10,712             | 10,679  |
| West South Central..... | 907.3                                    | 991.9         | 43,264                     | 41,398        | 941.6                                    | 298,460                      | 193,960   |  | 898.6                                    | 880.5   | 78,048             | 81,247  |
| Arkansas.....           | 195.0                                    | 224.4         | 6,870                      | 6,870         | 214.3                                    | 30,129                       | 27,424    |  | 193.1                                    | 204.6   | 11,202             | 10,772  |
| Louisiana.....          | 128.5                                    | 149.8         | 4,133                      | 4,331         | 143.5                                    | 22,462                       | 14,007    |  | 127.4                                    | 134.9   | 7,279              | 6,487   |
| Oklahoma.....           | 179.1                                    | 191.8         | 11,471                     | 9,656         | 179.6                                    | 80,514                       | 45,743    |  | 169.2                                    | 169.2   | 23,292             | 16,241  |
| Texas.....              | 404.7                                    | 425.9         | 21,526                     | 20,642        | 404.1                                    | 154,355                      | 106,785   |  | 400.9                                    | 371.9   | 36,276             | 27,747  |
| Mountain.....           | 181.8                                    | 201.8         | 12,373                     | 11,907        | 181.2                                    | 87,429                       | 82,122    |  | 178.5                                    | 165.0   | 21,088             | 17,394  |
| Montana.....            | 37.9                                     | 38.8          | 2,117                      | 1,989         | 37.5                                     | 15,429                       | 13,221    |  | 36.4                                     | 33.9    | 3,604              | 2,085   |
| Idaho.....              | 32.5                                     | 35.0          | 1,989                      | 1,980         | 32.8                                     | 16,399                       | 13,630    |  | 32.1                                     | 28.1    | 3,371              | 2,729   |
| Wyoming.....            | 12.7                                     | 13.7          | 736                        | 690           | 13.1                                     | 5,777                        | 4,578     |  | 12.5                                     | 12.0    | 1,258              | 1,114   |
| Colorado.....           | 40.0                                     | 52.0          | 3,653                      | 3,359         | 40.3                                     | 27,343                       | 20,928    |  | 43.4                                     | 44.2    | 6,333              | 5,574   |
| New Mexico.....         | 21.1                                     | 28.7          | 962                        | 1,007         | 26.8                                     | 6,791                        | 5,216     |  | 21.1                                     | 22.3    | 1,486              | 1,281   |
| Arizona.....            | 7.7                                      | 11.0          | 576                        | 554           | 10.0                                     | 5,081                        | 3,728     |  | 7.6                                      | 8.8     | 997                | 736     |
| Utah.....               | 18.2                                     | 19.9          | 2,096                      | 2,105         | 19.0                                     | 18,463                       | 18,892    |  | 17.9                                     | 18.3    | 3,840              | 2,599   |
| Nevada.....             | 2.6                                      | 2.8           | 244                        | 224           | 2.6                                      | 2,146                        | 1,854     |  | 2.6                                      | 2.4     | 499                | 297     |
| Pacific.....            | 181.0                                    | 208.3         | 28,858                     | 22,988        | 191.0                                    | 259,193                      | 199,523   |  | 176.6                                    | 148.8   | 42,321             | 28,774  |
| Washington.....         | 53.1                                     | 63.2          | 6,452                      | 5,822         | 58.2                                     | 71,429                       | 56,535    |  | 52.1                                     | 47.1    | 11,063             | 7,704   |
| Oregon.....             | 43.5                                     | 50.3          | 2,969                      | 3,094         | 40.8                                     | 28,342                       | 25,208    |  | 42.7                                     | 37.6    | 4,613              | 3,911   |
| California.....         | 84.4                                     | 62.8          | 17,467                     | 14,043        | 86.0                                     | 159,422                      | 117,779   |  | 81.8                                     | 64.1    | 26,645             | 18,159  |

<sup>1</sup> Farms reporting expressed in thousands and tenths of thousands; that is, 5,372.6=5,372,600. The number of farms reporting eggs produced is not available for 1929.

<sup>2</sup> Less than 50.

Source: Bureau of the Census, Department of Commerce.

## No. 594.—DOMESTIC ANIMALS: NUMBER

NOTE.—Owing to the difference in the date of the census enumerations

[All figures

| Line number | Division and State   | Horses           |                  |                  |                               | Mules            |                  |                  |                               | All cattle       |                  |                  |                               |
|-------------|----------------------|------------------|------------------|------------------|-------------------------------|------------------|------------------|------------------|-------------------------------|------------------|------------------|------------------|-------------------------------|
|             |                      | 1925<br>(Jan. 1) | 1930<br>(Apr. 1) | 1935<br>(Jan. 1) | 1936<br>(Jan. 1) <sup>1</sup> | 1925<br>(Jan. 1) | 1930<br>(Apr. 1) | 1935<br>(Jan. 1) | 1936<br>(Jan. 1) <sup>1</sup> | 1925<br>(Jan. 1) | 1930<br>(Apr. 1) | 1935<br>(Jan. 1) | 1936<br>(Jan. 1) <sup>1</sup> |
| 1           | United States.....   | 16,401           | 13,511           | 11,858           | 11,637                        | 5,681            | 5,375            | 4,818            | 4,686                         | 60,760           | 63,896           | 68,284           | 68,213                        |
| 2           | New England.....     | 259              | 182              | 170              | 168                           | 3                | 2                | 1                | -----                         | 1,119            | 1,271            | 1,176            | 1,188                         |
| 3           | Maine.....           | 82               | 61               | 52               | 51                            | 1                | 1                | (*)              | -----                         | 230              | 257              | 245              | 235                           |
| 4           | New Hampshire.....   | 31               | 20               | 18               | 17                            | (*)              | (*)              | (*)              | -----                         | 121              | 130              | 130              | 125                           |
| 5           | Vermont.....         | 93               | 52               | 46               | 46                            | 1                | 1                | (*)              | -----                         | 393              | 472              | 410              | 414                           |
| 6           | Massachusetts.....   | 44               | 25               | 27               | 27                            | 1                | (*)              | (*)              | -----                         | 188              | 207              | 189              | 191                           |
| 7           | Rhode Island.....    | 5                | 3                | 3                | 3                             | (*)              | (*)              | (*)              | -----                         | 27               | 32               | 28               | 28                            |
| 8           | Connecticut.....     | 34               | 21               | 24               | 24                            | 1                | 1                | (*)              | -----                         | 163              | 167              | 173              | 175                           |
| 9           | Middle Atlantic..... | 907              | 672              | 648              | 646                           | 65               | 60               | 63               | 63                            | 3,309            | 3,906            | 3,668            | 3,627                         |
| 10          | New York.....        | 440              | 321              | 315              | 312                           | 7                | 6                | 5                | 5                             | 1,837            | 2,220            | 1,919            | 1,908                         |
| 11          | New Jersey.....      | 57               | 39               | 39               | 39                            | 5                | 3                | 4                | 4                             | 153              | 175              | 178              | 190                           |
| 12          | Pennsylvania.....    | 410              | 312              | 294              | 294                           | 53               | 51               | 54               | 54                            | 1,319            | 1,511            | 1,400            | 1,469                         |
| 13          | E. N. Central.....   | 3,893            | 2,688            | 2,525            | 2,518                         | 315              | 261              | 243              | 238                           | 9,556            | 10,937           | 10,920           | 11,208                        |
| 14          | Ohio.....            | 630              | 495              | 478              | 478                           | 33               | 31               | 34               | 34                            | 1,653            | 1,773            | 1,951            | 2,010                         |
| 15          | Indiana.....         | 556              | 443              | 402              | 398                           | 101              | 82               | 82               | 81                            | 1,282            | 1,447            | 1,604            | 1,684                         |
| 16          | Illinois.....        | 1,030            | 821              | 746              | 730                           | 168              | 134              | 115              | 110                           | 2,305            | 2,342            | 2,630            | 2,788                         |
| 17          | Michigan.....        | 482              | 383              | 377              | 377                           | 7                | 7                | 7                | 7                             | 1,406            | 1,628            | 1,518            | 1,548                         |
| 18          | Wisconsin.....       | 604              | 546              | 521              | 526                           | 6                | 7                | 6                | 6                             | 3,010            | 3,537            | 3,116            | 3,178                         |
| 19          | W. N. Central.....   | 5,968            | 5,162            | 4,366            | 4,175                         | 882              | 673              | 520              | 498                           | 18,204           | 19,877           | 19,749           | 20,412                        |
| 20          | Minnesota.....       | 835              | 805              | 746              | 724                           | 13               | 15               | 13               | 13                            | 2,853            | 3,156            | 3,179            | 3,274                         |
| 21          | Iowa.....            | 1,180            | 1,048            | 908              | 885                           | 97               | 85               | 67               | 67                            | 4,204            | 4,136            | 4,570            | 4,661                         |
| 22          | Missouri.....        | 708              | 597              | 524              | 519                           | 372              | 206              | 246              | 235                           | 2,372            | 2,738            | 2,531            | 2,658                         |
| 23          | North Dakota.....    | 731              | 612              | 503              | 463                           | 9                | 8                | 5                | 5                             | 1,341            | 1,454            | 1,219            | 1,395                         |
| 24          | South Dakota.....    | 720              | 621              | 450              | 418                           | 21               | 19               | 11               | 9                             | 2,022            | 1,974            | 1,632            | 1,746                         |
| 25          | Nebraska.....        | 862              | 754              | 651              | 612                           | 120              | 90               | 75               | 70                            | 3,283            | 3,150            | 3,232            | 3,491                         |
| 26          | Kansas.....          | 931              | 715              | 589              | 554                           | 260              | 151              | 103              | 98                            | 3,268            | 3,224            | 3,386            | 3,217                         |
| 27          | South Atlantic.....  | 806              | 604              | 486              | 488                           | 1,023            | 1,023            | 997              | 999                           | 4,135            | 3,790            | 4,794            | 4,682                         |
| 28          | Delaware.....        | 22               | 18               | 14               | 14                            | 9                | 10               | 10               | 10                            | 46               | 51               | 51               | 61                            |
| 29          | Maryland.....        | 117              | 94               | 80               | 81                            | 31               | 29               | 29               | 29                            | 273              | 319              | 308              | 307                           |
| 30          | Dist. of Col.....    | (*)              | (*)              | (*)              | (*)                           | (*)              | (*)              | (*)              | (*)                           | 1                | 1                | 1                | (*)                           |
| 31          | Virginia.....        | 260              | 203              | 163              | 165                           | 102              | 94               | 93               | 93                            | 807              | 833              | 870              | 861                           |
| 32          | West Virginia.....   | 143              | 113              | 99               | 98                            | 15               | 12               | 12               | 12                            | 568              | 556              | 611              | 618                           |
| 33          | N. Carolina.....     | 131              | 87               | 67               | 68                            | 280              | 294              | 205              | 208                           | 539              | 533              | 684              | 677                           |
| 34          | South Carolina.....  | 49               | 31               | 20               | 19                            | 189              | 189              | 183              | 185                           | 341              | 270              | 385              | 374                           |
| 35          | Georgia.....         | 54               | 37               | 25               | 24                            | 344              | 354              | 334              | 331                           | 906              | 783              | 1,100            | 1,012                         |
| 36          | Florida.....         | 29               | 21               | 18               | 18                            | 43               | 41               | 41               | 41                            | 656              | 431              | 718              | 788                           |
| 37          | E. S. Central.....   | 768              | 561              | 476              | 488                           | 1,277            | 1,272            | 1,217            | 1,198                         | 3,636            | 3,988            | 4,971            | 4,729                         |
| 38          | Kentucky.....        | 307              | 248              | 210              | 214                           | 264              | 252              | 240              | 235                           | 905              | 1,086            | 1,212            | 1,236                         |
| 39          | Tennessee.....       | 242              | 175              | 141              | 145                           | 352              | 319              | 305              | 297                           | 986              | 1,074            | 1,238            | 1,208                         |
| 40          | Alabama.....         | 87               | 65               | 50               | 51                            | 303              | 332              | 322              | 319                           | 822              | 799              | 1,126            | 1,024                         |
| 41          | Mississippi.....     | 131              | 108              | 77               | 78                            | 328              | 399              | 350              | 347                           | 923              | 1,009            | 1,401            | 1,201                         |
| 42          | W. S. Central.....   | 1,760            | 1,524            | 1,358            | 1,368                         | 1,898            | 1,918            | 1,641            | 1,560                         | 9,009            | 10,243           | 12,124           | 11,404                        |
| 43          | Arkansas.....        | 182              | 138              | 125              | 126                           | 341              | 362              | 307              | 289                           | 810              | 813              | 1,187            | 1,038                         |
| 44          | Louisiana.....       | 131              | 118              | 121              | 122                           | 173              | 201              | 199              | 199                           | 697              | 730              | 1,082            | 1,035                         |
| 45          | Oklahoma.....        | 608              | 506              | 425              | 426                           | 368              | 315              | 246              | 235                           | 1,657            | 2,097            | 2,632            | 2,475                         |
| 46          | Texas.....           | 838              | 762              | 686              | 693                           | 1,010            | 1,040            | 889              | 887                           | 5,846            | 6,608            | 7,222            | 6,861                         |
| 47          | Mountain.....        | 1,850            | 1,511            | 1,304            | 1,260                         | 112              | 89               | 65               | 61                            | 7,406            | 6,691            | 7,357            | 7,095                         |
| 48          | Montana.....         | 564              | 450              | 347              | 330                           | 10               | 8                | 4                | 4                             | 1,322            | 1,260            | 1,530            | 1,302                         |
| 49          | Idaho.....           | 233              | 206              | 190              | 190                           | 8                | 7                | 5                | 5                             | 606              | 622              | 784              | 705                           |
| 50          | Wyoming.....         | 200              | 173              | 146              | 140                           | 5                | 4                | 2                | 2                             | 783              | 824              | 858              | 832                           |
| 51          | Colorado.....        | 356              | 329              | 278              | 264                           | 38               | 29               | 19               | 17                            | 1,436            | 1,454            | 1,590            | 1,510                         |
| 52          | New Mexico.....      | 167              | 141              | 144              | 141                           | 81               | 23               | 18               | 17                            | 1,267            | 1,055            | 1,071            | 961                           |
| 53          | Arizona.....         | 112              | 80               | 77               | 75                            | 12               | 12               | 12               | 12                            | 1,069            | 995              | 771              | 781                           |
| 54          | Utah.....            | 110              | 91               | 85               | 84                            | 4                | 3                | 2                | 2                             | 504              | 442              | 411              | 419                           |
| 55          | Nevada.....          | 50               | 41               | 37               | 36                            | 4                | 3                | 2                | 2                             | 419              | 309              | 342              | 342                           |
| 56          | Pacific.....         | 780              | 687              | 525              | 529                           | 101              | 77               | 70               | 68                            | 3,285            | 3,533            | 3,801            | 3,878                         |
| 57          | Washington.....      | 242              | 182              | 172              | 172                           | 26               | 22               | 20               | 19                            | 582              | 625              | 741              | 763                           |
| 58          | Oregon.....          | 224              | 179              | 161              | 163                           | 19               | 14               | 10               | 9                             | 784              | 805              | 928              | 937                           |
| 59          | California.....      | 314              | 226              | 192              | 194                           | 56               | 41               | 40               | 40                            | 1,918            | 2,108            | 2,132            | 2,278                         |

<sup>1</sup> Estimates by Bureau of Agricultural Economics, Department of Agriculture.<sup>2</sup> Cows and heifers born before 1928.

## ON FARMS, BY STATES, 1925 TO 1936

census figures for 1930 are not very closely comparable with data for other years

in thousands]

| Cows and heifers 2 years old and over |                               |                  |                  |                  |                  | Cows and heifers 2 years old and over kept for milk <sup>1</sup> |                  |                  |                               |                  |                  | Sheep and lambs  |                               |    |  | Swine |  |  |  | Line number |
|---------------------------------------|-------------------------------|------------------|------------------|------------------|------------------|------------------------------------------------------------------|------------------|------------------|-------------------------------|------------------|------------------|------------------|-------------------------------|----|--|-------|--|--|--|-------------|
| 1925<br>(Jan. 1)                      | 1930<br>(Apr. 1) <sup>2</sup> | 1935<br>(Jan. 1) | 1930<br>(Jan. 1) | 1935<br>(Jan. 1) | 1936<br>(Jan. 1) | 1925<br>(Jan. 1)                                                 | 1930<br>(Apr. 1) | 1935<br>(Jan. 1) | 1936<br>(Jan. 1) <sup>1</sup> | 1925<br>(Jan. 1) | 1930<br>(Apr. 1) | 1935<br>(Jan. 1) | 1936<br>(Jan. 1) <sup>1</sup> |    |  |       |  |  |  |             |
| 32,564                                | 28,336                        | 36,931           | 23,106           | 28,236           | 25,622           | 35,590                                                           | 56,975           | 48,368           | 46,380                        | 50,854           | 56,288           | 37,213           | 42,541                        | 1  |  |       |  |  |  |             |
| 808<br>168                            | 692<br>130                    | 820<br>168       | 752<br>138       | 809<br>152       | 804<br>147       | 154<br>85                                                        | 201<br>100       | 118<br>59        | 111<br>53                     | 193<br>54        | 228<br>46        | 203<br>44        | 213<br>22                     | 2  |  |       |  |  |  |             |
| 84                                    | 70                            | 87               | 78               | 86               | 82               | 16                                                               | 21               | 13               | 13                            | 16               | 16               | 14               | 16                            | 4  |  |       |  |  |  |             |
| 282                                   | 256                           | 292              | 277              | 290              | 290              | 35                                                               | 51               | 29               | 28                            | 44               | 29               | 23               | 24                            | 5  |  |       |  |  |  |             |
| 147                                   | 121                           | 138              | 133              | 137              | 140              | 10                                                               | 13               | 8                | 8                             | 58               | 105              | 90               | 95                            | 6  |  |       |  |  |  |             |
| 22                                    | 19                            | 22               | 21               | 22               | 22               | 2                                                                | 3                | 2                | 2                             | 4                | 6                | 6                | 7                             | 7  |  |       |  |  |  |             |
| 115                                   | 96                            | 123              | 105              | 122              | 123              | 7                                                                | 13               | 6                | 7                             | 17               | 27               | 25               | 27                            | 8  |  |       |  |  |  |             |
| 2,416                                 | 2,069                         | 2,379            | 2,283            | 2,364            | 2,373            | 893                                                              | 1,220            | 855              | 824                           | 1,050            | 1,007            | 885              | 877                           | 9  |  |       |  |  |  |             |
| 1,388                                 | 1,186                         | 1,320            | 1,330            | 1,321            | 1,347            | 473                                                              | 618              | 386              | 355                           | 259              | 221              | 190              | 209                           | 10 |  |       |  |  |  |             |
| 125                                   | 107                           | 133              | 118              | 138              | 139              | 6                                                                | 12               | 7                | 7                             | 56               | 129              | 151              | 64                            | 11 |  |       |  |  |  |             |
| 003                                   | 777                           | 920              | 835              | 905              | 887              | 415                                                              | 590              | 462              | 462                           | 734              | 657              | 544              | 604                           | 12 |  |       |  |  |  |             |
| 5,921                                 | 5,169                         | 6,558            | 5,486            | 6,151            | 6,027            | 4,479                                                            | 6,599            | 5,642            | 5,296                         | 11,774           | 12,985           | 9,298            | 11,034                        | 13 |  |       |  |  |  |             |
| 1,017                                 | 858                           | 1,127            | 943              | 1,065            | 1,054            | 1,941                                                            | 2,536            | 2,396            | 2,324                         | 2,368            | 2,778            | 2,050            | 2,333                         | 14 |  |       |  |  |  |             |
| 702                                   | 687                           | 911              | 702              | 814              | 781              | 595                                                              | 1,118            | 853              | 782                           | 2,939            | 3,847            | 2,640            | 2,942                         | 15 |  |       |  |  |  |             |
| 1,837                                 | 1,048                         | 1,429            | 1,026            | 1,231            | 1,169            | 566                                                              | 1,444            | 851              | 704                           | 4,249            | 4,652            | 3,218            | 3,931                         | 16 |  |       |  |  |  |             |
| 876                                   | 738                           | 935              | 800              | 905              | 887              | 1,066                                                            | 1,416            | 1,100            | 1,068                         | 855              | 899              | 489              | 594                           | 17 |  |       |  |  |  |             |
| 2,029                                 | 1,838                         | 2,157            | 2,015            | 2,136            | 2,136            | 310                                                              | 585              | 443              | 420                           | 1,363            | 1,612            | 998              | 1,234                         | 18 |  |       |  |  |  |             |
| 8,818                                 | 7,801                         | 9,957            | 6,502            | 7,240            | 7,028            | 4,007                                                            | 7,812            | 7,550            | 6,270                         | 24,600           | 27,650           | 18,503           | 16,768                        | 19 |  |       |  |  |  |             |
| 1,658                                 | 1,501                         | 1,809            | 1,595            | 1,776            | 1,723            | 379                                                              | 927              | 1,033            | 960                           | 2,715            | 3,816            | 1,615            | 2,299                         | 20 |  |       |  |  |  |             |
| 1,825                                 | 1,561                         | 2,031            | 1,400            | 1,580            | 1,533            | 818                                                              | 1,558            | 1,783            | 1,253                         | 3,567            | 10,056           | 5,804            | 7,250                         | 21 |  |       |  |  |  |             |
| 1,150                                 | 1,172                         | 1,420            | 930              | 1,017            | 1,017            | 894                                                              | 1,750            | 1,242            | 1,246                         | 3,502            | 3,861            | 2,296            | 2,712                         | 22 |  |       |  |  |  |             |
| 640                                   | 579                           | 709              | 540              | 596              | 584              | 311                                                              | 857              | 740              | 798                           | 784              | 628              | 218              | 283                           | 23 |  |       |  |  |  |             |
| 886                                   | 765                           | 848              | 577              | 606              | 576              | 644                                                              | 1,150            | 1,320            | 1,334                         | 2,600            | 2,637            | 544              | 840                           | 24 |  |       |  |  |  |             |
| 1,856                                 | 1,157                         | 1,621            | 680              | 750              | 720              | 647                                                              | 496              | 689              | 294                           | 4,236            | 4,679            | 1,905            | 2,136                         | 25 |  |       |  |  |  |             |
| 1,303                                 | 1,156                         | 1,560            | 780              | 921              | 875              | 315                                                              | 574              | 714              | 385                           | 2,197            | 2,473            | 1,119            | 1,248                         | 26 |  |       |  |  |  |             |
| 2,857                                 | 1,798                         | 2,563            | 1,678            | 2,022            | 1,994            | 1,077                                                            | 2,187            | 1,803            | 1,255                         | 4,178            | 4,593            | 4,095            | 4,146                         | 27 |  |       |  |  |  |             |
| 36                                    | 31                            | 36               | 33               | 35               | 35               | 2                                                                | 5                | 3                | 3                             | 24               | 30               | 26               | 27                            | 28 |  |       |  |  |  |             |
| 192                                   | 169                           | 198              | 180              | 192              | 188              | 92                                                               | 194              | 94               | 89                            | 183              | 205              | 159              | 167                           | 29 |  |       |  |  |  |             |
| 1                                     | ( <sup>3</sup> )              | 1                | 1                | 1                | 1                | 1                                                                | ( <sup>3</sup> ) | ( <sup>3</sup> ) | ( <sup>3</sup> )              | 1                | 1                | 1                | ( <sup>3</sup> )              | 30 |  |       |  |  |  |             |
| 426                                   | 364                           | 467              | 375              | 420              | 412              | 351                                                              | 829              | 438              | 416                           | 582              | 700              | 543              | 597                           | 31 |  |       |  |  |  |             |
| 267                                   | 212                           | 299              | 210              | 262              | 259              | 441                                                              | 897              | 606              | 588                           | 177              | 222              | 188              | 197                           | 32 |  |       |  |  |  |             |
| 337                                   | 280                           | 404              | 285              | 381              | 385              | 67                                                               | 146              | 77               | 77                            | 872              | 839              | 947              | 996                           | 33 |  |       |  |  |  |             |
| 207                                   | 147                           | 215              | 158              | 189              | 189              | 14                                                               | 19               | 12               | 12                            | 585              | 471              | 509              | 519                           | 34 |  |       |  |  |  |             |
| 530                                   | 388                           | 567              | 342              | 419              | 395              | 51                                                               | 50               | 34               | 34                            | 1,300            | 1,358            | 1,273            | 1,235                         | 35 |  |       |  |  |  |             |
| 362                                   | 207                           | 377              | 95               | 124              | 128              | 60                                                               | 47               | 40               | 39                            | 498              | 567              | 447              | 498                           | 36 |  |       |  |  |  |             |
| 2,039                                 | 1,874                         | 2,692            | 1,786            | 2,253            | 2,145            | 1,155                                                            | 2,402            | 1,610            | 1,624                         | 3,453            | 3,601            | 3,853            | 3,913                         | 37 |  |       |  |  |  |             |
| 622                                   | 510                           | 677              | 498              | 590              | 572              | 696                                                              | 1,597            | 1,080            | 1,102                         | 919              | 1,035            | 1,035            | 1,035                         | 38 |  |       |  |  |  |             |
| 519                                   | 465                           | 678              | 468              | 594              | 570              | 290                                                              | 626              | 411              | 399                           | 1,009            | 1,002            | 1,002            | 982                           | 39 |  |       |  |  |  |             |
| 470                                   | 401                           | 586              | 379              | 459              | 436              | 56                                                               | 69               | 48               | 47                            | 827              | 831              | 889              | 969                           | 40 |  |       |  |  |  |             |
| 529                                   | 408                           | 752              | 440              | 610              | 567              | 114                                                              | 110              | 72               | 76                            | 698              | 733              | 927              | 927                           | 41 |  |       |  |  |  |             |
| 4,780                                 | 4,452                         | 6,841            | 3,518            | 3,127            | 3,048            | 3,359                                                            | 7,500            | 7,622            | 7,598                         | 3,451            | 4,148            | 3,826            | 3,855                         | 42 |  |       |  |  |  |             |
| 440                                   | 372                           | 616              | 372              | 510              | 469              | 51                                                               | 86               | 65               | 68                            | 847              | 776              | 887              | 860                           | 43 |  |       |  |  |  |             |
| 395                                   | 355                           | 579              | 294              | 353              | 339              | 109                                                              | 171              | 222              | 248                           | 518              | 759              | 777              | 730                           | 44 |  |       |  |  |  |             |
| 844                                   | 856                           | 1,311            | 650              | 798              | 774              | 62                                                               | 222              | 309              | 190                           | 920              | 1,051            | 781              | 824                           | 45 |  |       |  |  |  |             |
| 3,082                                 | 2,869                         | 3,834            | 1,202            | 1,466            | 1,466            | 3,137                                                            | 7,021            | 7,027            | 7,092                         | 1,166            | 1,562            | 1,384            | 1,441                         | 46 |  |       |  |  |  |             |
| 3,696                                 | 2,849                         | 3,629            | 938              | 982              | 938              | 15,130                                                           | 21,008           | 17,974           | 17,092                        | 1,811            | 2,217            | 785              | 739                           | 47 |  |       |  |  |  |             |
| 590                                   | 511                           | 725              | 193              | 206              | 187              | 2,188                                                            | 4,028            | 3,823            | 3,553                         | 278              | 210              | 98               | 103                           | 48 |  |       |  |  |  |             |
| 292                                   | 249                           | 375              | 178              | 200              | 190              | 1,746                                                            | 3,302            | 2,209            | 2,104                         | 276              | 268              | 196              | 215                           | 49 |  |       |  |  |  |             |
| 346                                   | 348                           | 418              | 72               | 69               | 69               | 2,507                                                            | 3,418            | 3,476            | 3,341                         | 100              | 98               | 46               | 39                            | 50 |  |       |  |  |  |             |
| 683                                   | 603                           | 762              | 259              | 270              | 266              | 2,244                                                            | 2,505            | 2,449            | 1,587                         | 493              | 462              | 249              | 228                           | 51 |  |       |  |  |  |             |
| 731                                   | 504                           | 682              | 69               | 69               | 70               | 1,743                                                            | 2,291            | 1,801            | 2,337                         | 55               | 65               | 58               | 64                            | 52 |  |       |  |  |  |             |
| 613                                   | 318                           | 397              | 38               | 44               | 44               | 1,164                                                            | 1,840            | 981              | 874                           | 19               | 24               | 23               | 23                            | 53 |  |       |  |  |  |             |
| 252                                   | 193                           | 212              | 108              | 103              | 101              | 2,355                                                            | 2,922            | 2,452            | 2,378                         | 64               | 67               | 47               | 50                            | 54 |  |       |  |  |  |             |
| 191                                   | 122                           | 168              | 21               | 21               | 21               | 1,184                                                            | 1,202            | 834              | 852                           | 25               | 23               | 17               | 17                            | 55 |  |       |  |  |  |             |
| 1,798                                 | 1,541                         | 1,990            | 1,164            | 1,282            | 1,265            | 5,336                                                            | 8,546            | 6,682            | 6,376                         | 845              | 1,058            | 818              | 996                           | 56 |  |       |  |  |  |             |
| 338                                   | 288                           | 413              | 280              | 345              | 335              | 516                                                              | 1,143            | 748              | 675                           | 198              | 186              | 158              | 184                           | 57 |  |       |  |  |  |             |
| 413                                   | 353                           | 487              | 229              | 275              | 261              | 1,775                                                            | 3,319            | 2,210            | 2,294                         | 216              | 225              | 169              | 202                           | 58 |  |       |  |  |  |             |
| 985                                   | 901                           | 1,090            | 655              | 662              | 669              | 3,045                                                            | 4,084            | 2,724            | 3,407                         | 431              | 648              | 489              | 610                           | 59 |  |       |  |  |  |             |

<sup>2</sup> Not including 5,310,000 sheep and lambs on feed for market.<sup>3</sup> Less than 500.<sup>4</sup> No estimate.

Source: Bureau of the Census, Department of Commerce, except as noted.

# No. 595.—DOMESTIC ANIMALS: RECEIPTS AND SHIPMENTS AT ALL REPORTING PUBLIC STOCKYARDS AND PRINCIPAL PUBLIC STOCKYARDS

[All figures in thousands. Total for all stockyards reporting covers about 65 stockyards]

| Item and yearly average or year | Chicago | Denver | East St. Louis | Fort Worth | Kansas City | Omaha | St. Joseph | South St. Paul | Sioux City | Total, 9 stockyards | All other stockyards reporting | Total, all stockyards reporting |
|---------------------------------|---------|--------|----------------|------------|-------------|-------|------------|----------------|------------|---------------------|--------------------------------|---------------------------------|
| <b>CATTLE AND CALVES</b>        |         |        |                |            |             |       |            |                |            |                     |                                |                                 |
| Receipts:                       |         |        |                |            |             |       |            |                |            |                     |                                |                                 |
| 1921-1925.....                  | 3,852   | 595    | 1,341          | 1,218      | 2,932       | 1,709 | 675        | 1,336          | 772        | 14,430              | 8,366                          | 22,796                          |
| 1926-1930.....                  | 3,344   | 611    | 1,343          | 1,148      | 2,328       | 1,609 | 614        | 1,549          | 857        | 13,403              | 8,341                          | 21,744                          |
| 1931-1935.....                  | 2,737   | 536    | 1,302          | 878        | 2,068       | 1,662 | 539        | 1,541          | 897        | 12,219              | 8,632                          | 20,851                          |
| 1931.....                       | 2,833   | 504    | 1,171          | 841        | 1,958       | 1,690 | 508        | 1,415          | 851        | 11,771              | 7,845                          | 19,616                          |
| 1932.....                       | 2,453   | 425    | 1,094          | 653        | 1,864       | 1,453 | 437        | 1,234          | 594        | 10,167              | 7,185                          | 17,352                          |
| 1933.....                       | 2,507   | 419    | 1,118          | 640        | 1,719       | 1,537 | 484        | 1,351          | 830        | 10,005              | 7,329                          | 17,334                          |
| 1934 <sup>1</sup> .....         | 3,465   | 705    | 1,818          | 1,138      | 2,850       | 2,249 | 794        | 2,316          | 1,406      | 16,709              | 10,971                         | 27,700                          |
| 1935 <sup>1</sup> .....         | 2,429   | 561    | 1,641          | 1,118      | 1,968       | 1,382 | 474        | 1,388          | 802        | 11,753              | 9,851                          | 21,604                          |
| Shipments:                      |         |        |                |            |             |       |            |                |            |                     |                                |                                 |
| 1921-1925.....                  | 1,103   | 453    | 814            | 429        | 1,421       | 729   | 232        | 475            | 411        | 6,067               | 3,623                          | 9,690                           |
| 1926-1930.....                  | 846     | 454    | 857            | 463        | 1,130       | 628   | 187        | 447            | 415        | 5,454               | 3,407                          | 8,861                           |
| 1931-1935.....                  | 689     | 339    | 909            | 378        | 1,020       | 675   | 134        | 421            | 414        | 4,769               | 3,400                          | 8,169                           |
| 1931.....                       | 811     | 352    | 755            | 405        | 1,094       | 759   | 155        | 349            | 432        | 5,111               | 3,015                          | 8,126                           |
| 1932.....                       | 665     | 290    | 632            | 324        | 1,045       | 599   | 129        | 261            | 269        | 4,208               | 2,640                          | 6,848                           |
| 1933.....                       | 631     | 267    | 552            | 271        | 815         | 573   | 117        | 327            | 348        | 3,739               | 2,739                          | 6,478                           |
| 1934 <sup>1</sup> .....         | 739     | 444    | 850            | 426        | 1,176       | 887   | 174        | 809            | 663        | 6,169               | 4,625                          | 10,794                          |
| 1935 <sup>1</sup> .....         | 597     | 343    | 705            | 464        | 970         | 558   | 98         | 357            | 363        | 4,454               | 3,984                          | 8,438                           |
| <b>SHEEP AND LAMBS</b>          |         |        |                |            |             |       |            |                |            |                     |                                |                                 |
| Receipts:                       |         |        |                |            |             |       |            |                |            |                     |                                |                                 |
| 1921-1925.....                  | 4,173   | 1,918  | 575            | 851        | 1,619       | 2,704 | 974        | 521            | 279        | 13,114              | 9,467                          | 22,581                          |
| 1926-1930.....                  | 4,044   | 2,079  | 568            | 464        | 1,783       | 2,972 | 1,500      | 972            | 714        | 15,094              | 10,922                         | 26,016                          |
| 1931-1935.....                  | 3,678   | 2,849  | 689            | 879        | 1,778       | 2,333 | 1,262      | 1,542          | 1,004      | 12,325              | 12,325                         | 24,650                          |
| 1931.....                       | 4,489   | 2,499  | 661            | 1,173      | 2,244       | 3,510 | 1,572      | 1,690          | 1,279      | 19,118              | 13,905                         | 33,023                          |
| 1932.....                       | 3,922   | 2,334  | 711            | 1,198      | 1,837       | 2,388 | 1,291      | 1,522          | 776        | 16,479              | 12,827                         | 29,306                          |
| 1933.....                       | 3,530   | 2,902  | 669            | 779        | 1,672       | 2,125 | 1,233      | 1,552          | 857        | 15,316              | 11,868                         | 27,184                          |
| 1934 <sup>1</sup> .....         | 3,003   | 3,109  | 650            | 597        | 1,738       | 1,968 | 1,144      | 1,584          | 1,167      | 14,958              | 11,180                         | 26,138                          |
| 1935.....                       | 2,941   | 2,903  | 755            | 647        | 1,397       | 1,073 | 1,068      | 1,362          | 967        | 13,723              | 11,844                         | 25,567                          |
| Shipments:                      |         |        |                |            |             |       |            |                |            |                     |                                |                                 |
| 1921-1925.....                  | 1,306   | 1,746  | 215            | 215        | 510         | 1,129 | 228        | 205            | 90         | 5,650               | 5,999                          | 11,649                          |
| 1926-1930.....                  | 1,208   | 1,859  | 215            | 232        | 504         | 1,252 | 374        | 457            | 218        | 6,316               | 7,055                          | 13,371                          |
| 1931-1935.....                  | 839     | 2,593  | 155            | 813        | 549         | 805   | 257        | 787            | 350        | 6,047               | 7,302                          | 13,349                          |
| 1931.....                       | 1,426   | 2,191  | 220            | 472        | 821         | 1,549 | 393        | 926            | 509        | 8,596               | 8,490                          | 16,990                          |
| 1932.....                       | 916     | 2,600  | 197            | 391        | 563         | 834   | 240        | 802            | 269        | 8,814               | 7,400                          | 16,214                          |
| 1933.....                       | 753     | 2,670  | 146            | 261        | 520         | 642   | 241        | 887            | 269        | 6,387               | 6,809                          | 13,196                          |
| 1934 <sup>1</sup> .....         | 537     | 2,875  | 130            | 231        | 405         | 509   | 206        | 689            | 440        | 6,282               | 6,992                          | 13,274                          |
| 1935.....                       | 562     | 2,631  | 83             | 209        | 436         | 492   | 197        | 630            | 265        | 5,507               | 7,119                          | 12,626                          |
| <b>SWINE</b>                    |         |        |                |            |             |       |            |                |            |                     |                                |                                 |
| Receipts:                       |         |        |                |            |             |       |            |                |            |                     |                                |                                 |
| 1921-1925.....                  | 9,041   | 452    | 3,972          | 416        | 2,695       | 3,297 | 2,042      | 3,092          | 2,742      | 27,749              | 20,219                         | 47,968                          |
| 1926-1930.....                  | 7,884   | 514    | 3,721          | 334        | 2,164       | 2,997 | 1,537      | 3,017          | 2,436      | 24,605              | 17,911                         | 42,516                          |
| 1931-1935.....                  | 6,489   | 618    | 2,782          | 333        | 1,322       | 2,700 | 1,304      | 2,282          | 1,061      | 19,782              | 13,853                         | 33,635                          |
| 1931.....                       | 7,942   | 597    | 2,970          | 216        | 1,337       | 3,525 | 1,322      | 3,251          | 2,646      | 23,806              | 15,733                         | 39,539                          |
| 1932.....                       | 6,002   | 652    | 2,626          | 255        | 1,356       | 3,078 | 1,226      | 2,900          | 1,955      | 20,361              | 14,677                         | 35,038                          |
| 1933.....                       | 7,792   | 771    | 3,325          | 498        | 2,077       | 2,950 | 1,716      | 2,742          | 2,287      | 24,160              | 16,217                         | 40,377                          |
| 1934 <sup>1</sup> .....         | 6,610   | 709    | 2,960          | 404        | 1,262       | 2,808 | 1,594      | 1,885          | 2,067      | 20,190              | 13,521                         | 33,710                          |
| 1935.....                       | 5,500   | 363    | 2,026          | 291        | 580         | 1,140 | 663        | 931            | 850        | 10,444              | 9,118                          | 19,562                          |
| Shipments:                      |         |        |                |            |             |       |            |                |            |                     |                                |                                 |
| 1921-1925.....                  | 2,355   | 77     | 2,559          | 72         | 772         | 797   | 437        | 650            | 1,076      | 8,795               | 8,335                          | 17,130                          |
| 1926-1930.....                  | 1,997   | 121    | 2,733          | 30         | 741         | 925   | 384        | 869            | 855        | 8,795               | 7,204                          | 15,999                          |
| 1931-1935.....                  | 900     | 204    | 1,790          | 18         | 290         | 651   | 180        | 781            | 540        | 5,866               | 6,022                          | 11,888                          |
| 1931.....                       | 1,700   | 167    | 2,322          | 22         | 499         | 1,100 | 357        | 1,374          | 985        | 8,527               | 6,446                          | 14,973                          |
| 1932.....                       | 1,036   | 206    | 1,947          | 19         | 324         | 710   | 245        | 1,172          | 578        | 6,266               | 5,067                          | 11,333                          |
| 1933.....                       | 604     | 243    | 1,857          | 20         | 276         | 419   | 128        | 624            | 360        | 4,531               | 5,329                          | 9,860                           |
| 1934 <sup>1</sup> .....         | 640     | 289    | 1,609          | 14         | 241         | 695   | 124        | 538            | 536        | 4,665               | 5,113                          | 9,778                           |
| 1935.....                       | 518     | 135    | 1,216          | 14         | 138         | 332   | 76         | 198            | 243        | 2,870               | 3,155                          | 6,025                           |
| <b>HORSES AND MULES</b>         |         |        |                |            |             |       |            |                |            |                     |                                |                                 |
| Receipts:                       |         |        |                |            |             |       |            |                |            |                     |                                |                                 |
| 1921-1925.....                  | 26      | 25     | 79             | 36         | 36          | 12    | 13         | 4              | 12         | 243                 | 206                            | 449                             |
| 1926-1930.....                  | 18      | 22     | 63             | 36         | 44          | 17    | 8          | 13             | 15         | 236                 | 182                            | 419                             |
| 1931-1935.....                  | 18      | 11     | 60             | 26         | 47          | 28    | 7          | 18             | 16         | 231                 | 168                            | 399                             |
| 1931.....                       | 17      | 6      | 40             | 13         | 33          | 15    | 4          | 15             | 14         | 158                 | 96                             | 254                             |
| 1932.....                       | 14      | 7      | 36             | 17         | 29          | 19    | 5          | 10             | 10         | 147                 | 94                             | 241                             |
| 1933.....                       | 16      | 13     | 69             | 23         | 46          | 31    | 9          | 16             | 14         | 238                 | 166                            | 404                             |
| 1934 <sup>1</sup> .....         | 21      | 14     | 84             | 30         | 66          | 38    | 11         | 24             | 27         | 315                 | 244                            | 560                             |
| 1935.....                       | 19      | 15     | 70             | 47         | 60          | 35    | 8          | 27             | 14         | 295                 | 242                            | 537                             |

<sup>1</sup> Cattle and calves, June 6, 1934, to Feb. 7, 1935, and sheep, Sept. 14 to Dec. 15, 1934, include animals purchased for Fed. Sur. Relief Corp.

<sup>2</sup> Includes many pigs and sows received for sale on Government account, Aug. 22 to Oct. 7, 1933.

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 596.—DOMESTIC ANIMALS: RECEIPTS AND SHIPMENTS AT NINE STOCK-YARDS

[All figures in thousands. Stockyards covered are those named in table 596]

| Year                    | Cattle and calves |           | Sheep and lambs |           | Swine               |           | Horses and mules, receipts |
|-------------------------|-------------------|-----------|-----------------|-----------|---------------------|-----------|----------------------------|
|                         | Receipts          | Shipments | Receipts        | Shipments | Receipts            | Shipments |                            |
| 1916.....               | 11,920            | 4,755     | 13,479          | 5,102     | 26,781              | 5,864     | 810                        |
| 1917.....               | 15,034            | 5,812     | 12,484          | 5,955     | 22,360              | 5,473     | 756                        |
| 1918.....               | 16,781            | 6,405     | 14,050          | 6,518     | 25,607              | 5,624     | 600                        |
| 1919.....               | 15,932            | 6,713     | 16,847          | 7,850     | 25,237              | 5,817     | 557                        |
| 1920.....               | 13,725            | 5,948     | 13,591          | 6,311     | 23,187              | 6,338     | 401                        |
| 1921.....               | 12,150            | 5,350     | 13,580          | 5,297     | 22,798              | 6,983     | 185                        |
| 1922.....               | 14,590            | 6,877     | 12,253          | 5,484     | 24,601              | 7,056     | 242                        |
| 1923.....               | 15,013            | 6,484     | 13,192          | 5,879     | 32,320              | 9,597     | 302                        |
| 1924.....               | 15,189            | 6,119     | 13,382          | 5,972     | 32,612              | 11,040    | 245                        |
| 1925.....               | 16,206            | 5,709     | 13,167          | 5,615     | 25,415              | 9,300     | 242                        |
| 1926.....               | 15,242            | 5,883     | 14,379          | 6,025     | 23,414              | 8,413     | 211                        |
| 1927.....               | 14,020            | 5,454     | 13,555          | 5,507     | 23,616              | 8,007     | 247                        |
| 1928.....               | 13,089            | 5,448     | 14,974          | 6,434     | 25,525              | 9,399     | 250                        |
| 1929.....               | 12,574            | 5,294     | 15,548          | 6,780     | 25,450              | 8,699     | 269                        |
| 1930.....               | 12,089            | 5,189     | 17,015          | 6,885     | 24,021              | 8,934     | 204                        |
| 1931.....               | 11,771            | 5,111     | 19,118          | 8,506     | 23,805              | 8,527     | 158                        |
| 1932.....               | 10,167            | 4,208     | 16,479          | 6,814     | 20,351              | 6,236     | 147                        |
| 1933.....               | 10,605            | 3,902     | 15,316          | 6,387     | <sup>1</sup> 24,160 | 4,531     | 238                        |
| 1934 <sup>1</sup> ..... | 16,799            | 6,169     | 14,958          | 6,023     | 20,199              | 4,655     | 315                        |
| 1935 <sup>1</sup> ..... | 11,753            | 4,454     | 18,723          | 5,507     | 10,444              | 2,870     | 295                        |

<sup>1</sup> See note 2, table 595.<sup>2</sup> See note 1, table 595.

## No. 597.—DOMESTIC ANIMALS: RECEIPTS AND STOCKER AND FEEDER SHIPMENTS AT ALL PUBLIC STOCKYARDS

[All figures in thousands]

| Item                              | 1921-1925, average | 1926-1930, average | 1931-1935, average | 1931   | 1932   | 1933 <sup>1</sup> | 1934 <sup>1</sup> | 1935 <sup>1</sup> |
|-----------------------------------|--------------------|--------------------|--------------------|--------|--------|-------------------|-------------------|-------------------|
| Cattle and calves:                |                    |                    |                    |        |        |                   |                   |                   |
| Receipts.....                     | 22,796             | 21,744             | 20,851             | 19,616 | 17,382 | 17,934            | 27,770            | 21,604            |
| Stocker and feeder shipments..... | 4,144              | 3,673              | 3,053              | 3,044  | 2,018  | 2,547             | 3,665             | 3,392             |
| Sheep and lambs:                  |                    |                    |                    |        |        |                   |                   |                   |
| Receipts.....                     | 22,572             | 26,016             | 28,244             | 33,023 | 29,306 | 27,184            | 26,138            | 25,587            |
| Stocker and feeder shipments..... | 4,150              | 4,912              | 3,605              | 3,287  | 3,373  | 3,008             | 3,361             | 2,994             |
| Swine:                            |                    |                    |                    |        |        |                   |                   |                   |
| Receipts.....                     | 47,908             | 42,516             | 32,645             | 39,538 | 35,028 | 40,377            | 33,720            | 19,562            |
| Stocker and feeder shipments..... | 588                | 736                | 429                | 533    | 321    | 898               | 558               | 334               |

<sup>1</sup> See notes 1 and 2, table 595.

## No. 598.—DOMESTIC ANIMALS: RECEIPTS AT ALL PUBLIC STOCKYARDS, BY MONTHS

[All figures in thousands]

| Class and yearly average or year | Total  | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
|----------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cattle and calves:               |        |       |       |       |       |       |       |       |       |       |       |       |       |
| 1921-1925.....                   | 22,796 | 1,781 | 1,404 | 1,621 | 1,642 | 1,789 | 1,677 | 1,745 | 2,082 | 2,264 | 2,715 | 2,236 | 1,838 |
| 1926-1930.....                   | 21,744 | 1,744 | 1,429 | 1,603 | 1,663 | 1,765 | 1,614 | 1,639 | 1,823 | 2,157 | 2,627 | 2,082 | 1,667 |
| 1931-1935.....                   | 20,851 | 1,550 | 1,302 | 1,411 | 1,502 | 1,690 | 1,508 | 1,765 | 2,263 | 2,235 | 2,351 | 1,861 | 1,513 |
| 1933.....                        | 17,934 | 1,324 | 1,137 | 1,171 | 1,296 | 1,568 | 1,449 | 1,456 | 1,669 | 1,653 | 2,178 | 1,699 | 1,343 |
| 1934 <sup>1</sup> .....          | 27,770 | 1,653 | 1,407 | 1,500 | 1,592 | 1,809 | 1,812 | 2,985 | 4,276 | 3,777 | 3,000 | 2,162 | 1,797 |
| 1935 <sup>1</sup> .....          | 21,604 | 1,889 | 1,381 | 1,470 | 1,630 | 1,636 | 1,402 | 1,602 | 1,944 | 2,257 | 2,545 | 2,037 | 1,809 |
| 1936.....                        | 1,793  | 1,416 | 1,625 | 1,673 | 1,622 | 1,764 |       |       |       |       |       |       |       |
| Sheep and lambs:                 |        |       |       |       |       |       |       |       |       |       |       |       |       |
| 1921-1925.....                   | 22,572 | 1,685 | 1,416 | 1,503 | 1,448 | 1,687 | 1,620 | 1,697 | 2,084 | 2,647 | 3,262 | 1,952 | 1,584 |
| 1926-1930.....                   | 26,016 | 1,755 | 1,601 | 1,690 | 1,764 | 2,038 | 1,925 | 1,945 | 2,395 | 3,290 | 3,698 | 2,129 | 1,787 |
| 1931-1935.....                   | 28,244 | 2,004 | 1,754 | 1,890 | 2,233 | 2,401 | 2,182 | 2,305 | 2,837 | 3,239 | 3,520 | 2,128 | 1,740 |
| 1933.....                        | 27,184 | 1,914 | 1,795 | 1,844 | 2,097 | 2,403 | 2,091 | 2,228 | 2,795 | 2,911 | 3,268 | 2,064 | 1,774 |
| 1934 <sup>1</sup> .....          | 26,138 | 1,820 | 1,456 | 1,570 | 1,838 | 2,114 | 1,810 | 2,152 | 2,622 | 3,324 | 4,057 | 1,833 | 1,542 |
| 1935.....                        | 25,587 | 1,749 | 1,522 | 1,803 | 2,106 | 2,251 | 1,994 | 2,368 | 2,577 | 2,822 | 3,055 | 1,732 | 1,588 |
| 1936.....                        | 1,862  | 1,632 | 1,701 | 1,708 | 1,944 | 1,859 |       |       |       |       |       |       |       |
| Swine:                           |        |       |       |       |       |       |       |       |       |       |       |       |       |
| 1921-1925.....                   | 47,908 | 5,328 | 4,401 | 4,017 | 3,647 | 3,839 | 3,873 | 3,355 | 3,030 | 3,056 | 3,819 | 4,454 | 5,149 |
| 1926-1930.....                   | 42,516 | 4,743 | 3,946 | 3,740 | 3,319 | 3,419 | 3,391 | 3,008 | 2,790 | 2,774 | 3,422 | 3,733 | 4,230 |
| 1931-1935.....                   | 33,045 | 3,785 | 2,922 | 2,575 | 2,630 | 2,752 | 2,549 | 2,279 | 2,426 | 3,008 | 2,627 | 2,925 | 3,168 |
| 1933.....                        | 40,377 | 3,338 | 2,700 | 2,638 | 2,708 | 3,143 | 3,361 | 2,871 | 3,924 | 6,404 | 2,621 | 3,207 | 3,332 |
| 1934 <sup>1</sup> .....          | 33,720 | 4,245 | 2,728 | 2,468 | 2,674 | 3,076 | 2,684 | 2,519 | 2,067 | 2,094 | 2,807 | 3,218 | 3,140 |
| 1935.....                        | 19,562 | 2,422 | 1,823 | 1,622 | 1,660 | 1,551 | 1,301 | 1,336 | 1,278 | 1,220 | 1,652 | 1,671 | 2,036 |
| 1936.....                        | 2,532  | 1,817 | 2,045 | 1,875 | 1,759 | 1,864 |       |       |       |       |       |       |       |

<sup>1</sup> See note 1, table 595.<sup>2</sup> See note 2, table 595.

Source of tables 596, 597, and 598, Bureau of Agricultural Economics, Department of Agriculture.

# No. 599.—DOMESTIC ANIMALS: AVERAGE FARM PRICE AND AVERAGE CHICAGO MARKET PRICE BY CALENDAR YEARS

NOTE.—Milk cows, dollars per head; others in dollars per 100 pounds, live weight. Prices are weighted calendar year averages, except the averages for milk cows on farms and calves, sheep, and lambs at Chicago, which are simple averages of monthly prices

| Yearly average or year | Milk cows on farms, per head | Beef cattle <sup>1</sup> |         | Calves, veal |         | Sheep |         | Lambs |         | Hogs  |         |
|------------------------|------------------------------|--------------------------|---------|--------------|---------|-------|---------|-------|---------|-------|---------|
|                        |                              | Farm                     | Chicago | Farm         | Chicago | Farm  | Chicago | Farm  | Chicago | Farm  | Chicago |
| 1911-1915.....         | 52.33                        | 5.54                     | 7.89    | 7.07         | 9.30    | 4.80  | 5.13    | 6.01  | 7.57    | 6.83  | 7.60    |
| 1916-1920.....         | 79.47                        | 8.42                     | 12.91   | 11.09        | 14.35   | 8.97  | 10.25   | 11.85 | 15.05   | 12.20 | 14.78   |
| 1921-1925.....         | 56.29                        | 5.66                     | 9.13    | 8.10         | 9.78    | 6.35  | 7.02    | 10.10 | 13.53   | 8.29  | 9.04    |
| 1926-1930.....         | 79.54                        | 7.78                     | 11.82   | 10.71        | 13.07   | 7.06  | 8.57    | 11.02 | 13.54   | 9.60  | 10.23   |
| 1931-1935.....         | 40.19                        | 4.61                     | 7.44    | 5.70         | 7.08    | 2.98  | 2.81    | 5.52  | 7.37    | 5.15  | 5.57    |
| 1922.....              | 53.56                        | 5.43                     | 8.65    | 7.69         | 9.15    | 5.96  | 7.15    | 9.76  | 13.68   | 8.34  | 9.22    |
| 1923.....              | 55.43                        | 5.58                     | 9.40    | 7.99         | 9.06    | 6.65  | 7.10    | 10.50 | 13.89   | 7.10  | 7.56    |
| 1924.....              | 55.48                        | 5.55                     | 9.24    | 8.11         | 9.86    | 6.81  | 7.67    | 10.75 | 14.57   | 7.41  | 8.11    |
| 1925.....              | 57.87                        | 6.23                     | 10.16   | 8.85         | 10.87   | 7.70  | 8.16    | 12.30 | 15.66   | 10.79 | 11.81   |
| 1926.....              | 65.51                        | 6.43                     | 9.47    | 9.61         | 11.61   | 7.43  | 7.25    | 11.66 | 14.26   | 11.74 | 12.84   |
| 1927.....              | 74.19                        | 7.23                     | 11.36   | 10.15        | 12.90   | 7.26  | 7.04    | 11.41 | 14.12   | 9.03  | 9.95    |
| 1928.....              | 80.75                        | 9.12                     | 13.01   | 11.72        | 14.56   | 7.68  | 7.39    | 12.09 | 14.99   | 8.50  | 9.22    |
| 1929.....              | 94.10                        | 9.15                     | 13.43   | 12.17        | 14.76   | 7.55  | 6.87    | 11.91 | 14.02   | 9.33  | 10.16   |
| 1930.....              | 74.16                        | 7.46                     | 10.95   | 9.91         | 11.51   | 5.36  | 4.32    | 8.15  | 9.69    | 8.78  | 9.47    |
| 1931.....              | 51.28                        | 5.31                     | 8.06    | 7.04         | 8.33    | 3.43  | 2.79    | 5.74  | 7.26    | 5.83  | 6.16    |
| 1932.....              | 36.95                        | 4.04                     | 6.70    | 5.00         | 6.21    | 2.40  | 2.20    | 4.40  | 5.92    | 3.44  | 3.83    |
| 1933.....              | 33.20                        | 3.63                     | 5.42    | 4.57         | 5.88    | 2.37  | 2.30    | 4.78  | 6.65    | 3.94  | 3.94    |
| 1934.....              | 32.60                        | 3.88                     | 6.76    | 4.81         | 6.10    | 2.98  | 2.95    | 5.76  | 8.01    | 4.17  | 4.65    |
| 1935.....              | 46.90                        | 6.21                     | 10.26   | 7.10         | 8.88    | 3.73  | 3.82    | 6.90  | 9.02    | 8.36  | 9.27    |

<sup>1</sup> Chicago prices are for beef steers, all grades, excluding western.

# No. 600.—DOMESTIC ANIMALS: MONTHLY AVERAGE PRICES AT CHICAGO

[In dollars per 100 pounds, live weight]

| Class and year                   | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  | Average <sup>1</sup> |
|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|
| <b>Beef steers:<sup>2</sup></b>  |       |       |       |       |       |       |       |       |       |       |       |       |                      |
| 1931.....                        | 9.43  | 8.36  | 8.40  | 7.82  | 7.30  | 7.43  | 7.62  | 8.53  | 8.29  | 8.38  | 8.53  | 7.11  | 8.06                 |
| 1932.....                        | 6.61  | 6.21  | 6.31  | 6.35  | 6.04  | 6.66  | 7.90  | 7.88  | 7.91  | 7.09  | 6.29  | 5.44  | 6.70                 |
| 1933.....                        | 4.95  | 4.80  | 5.04  | 4.96  | 5.64  | 5.79  | 6.01  | 5.88  | 5.75  | 5.53  | 5.13  | 5.17  | 5.42                 |
| 1934.....                        | 5.85  | 5.49  | 5.91  | 6.42  | 6.91  | 7.34  | 7.21  | 7.34  | 8.06  | 7.48  | 7.28  | 7.41  | 6.76                 |
| 1935.....                        | 9.24  | 10.49 | 10.77 | 11.10 | 11.13 | 10.28 | 9.80  | 10.27 | 10.36 | 10.38 | 9.97  | 9.79  | 10.20                |
| 1936.....                        | 9.30  | 8.37  | 8.65  | 8.42  | 7.92  | 7.86  | ----- | ----- | ----- | ----- | ----- | ----- | -----                |
| <b>Calves, veal:<sup>3</sup></b> |       |       |       |       |       |       |       |       |       |       |       |       |                      |
| 1931.....                        | 10.62 | 9.26  | 7.98  | 8.12  | 8.35  | 8.48  | 7.81  | 9.32  | 9.28  | 7.75  | 6.56  | 6.40  | 8.33                 |
| 1932.....                        | 7.56  | 7.52  | 6.41  | 5.44  | 5.70  | 6.06  | 6.10  | 6.80  | 7.06  | 5.48  | 5.09  | 5.26  | 6.21                 |
| 1933.....                        | 5.57  | 6.49  | 5.60  | 5.18  | 5.72  | 5.24  | 5.94  | 6.60  | 7.12  | 6.47  | 5.42  | 5.16  | 5.88                 |
| 1934.....                        | 6.01  | 6.62  | 6.20  | 5.94  | 5.97  | 4.94  | 5.26  | 6.25  | 7.58  | 6.82  | 5.78  | 5.87  | 6.10                 |
| 1935.....                        | 8.03  | 8.04  | 8.35  | 8.36  | 8.33  | 8.50  | 8.00  | 9.48  | 9.69  | 9.76  | 10.01 | 10.01 | 8.88                 |
| 1936.....                        | 10.45 | 10.64 | 8.70  | 8.93  | 9.22  | 9.07  | ----- | ----- | ----- | ----- | ----- | ----- | -----                |
| <b>Sheep:<sup>4</sup></b>        |       |       |       |       |       |       |       |       |       |       |       |       |                      |
| 1931.....                        | 3.97  | 4.25  | 4.54  | 3.90  | 2.78  | 1.62  | 2.50  | 2.03  | 1.58  | 1.94  | 2.16  | 2.18  | 2.79                 |
| 1932.....                        | 2.62  | 3.26  | 3.75  | 3.06  | 1.41  | 1.65  | 1.66  | 1.92  | 1.62  | 1.59  | 1.82  | 2.09  | 2.20                 |
| 1933.....                        | 2.30  | 2.34  | 2.48  | 2.38  | 2.51  | 2.34  | 2.00  | 2.25  | 2.14  | 2.03  | 2.18  | 2.55  | 2.30                 |
| 1934.....                        | 3.42  | 4.11  | 5.06  | 5.06  | 2.65  | 1.59  | 1.88  | 2.34  | 2.17  | 1.90  | 2.09  | 2.24  | 2.95                 |
| 1935.....                        | 4.30  | 4.75  | 4.61  | 4.44  | 3.57  | 2.56  | 2.65  | 2.81  | 3.25  | 3.72  | 4.54  | 4.78  | 3.82                 |
| 1936.....                        | 4.92  | 4.78  | 5.19  | 5.52  | 4.22  | 3.28  | ----- | ----- | ----- | ----- | ----- | ----- | -----                |
| <b>Lambs:<sup>5</sup></b>        |       |       |       |       |       |       |       |       |       |       |       |       |                      |
| 1931.....                        | 8.43  | 8.19  | 8.31  | 9.06  | 8.55  | 7.72  | 6.62  | 6.88  | 6.49  | 5.88  | 5.64  | 5.32  | 7.26                 |
| 1932.....                        | 5.88  | 6.26  | 6.33  | 6.69  | 5.12  | 6.20  | 6.22  | 5.72  | 5.56  | 5.12  | 5.60  | 5.82  | 6.92                 |
| 1933.....                        | 5.90  | 5.51  | 5.41  | 5.28  | 6.36  | 7.50  | 7.82  | 7.52  | 7.16  | 7.00  | 6.95  | 7.37  | 6.65                 |
| 1934.....                        | 8.58  | 9.66  | 9.25  | 9.64  | 8.47  | 8.84  | 7.42  | 6.98  | 6.59  | 6.41  | 6.66  | 7.76  | 8.01                 |
| 1935.....                        | 9.02  | 8.49  | 8.24  | 8.16  | 7.50  | 8.91  | 8.52  | 8.96  | 9.49  | 9.25  | 10.53 | 11.16 | 9.02                 |
| 1936.....                        | 10.60 | 10.14 | 9.95  | 11.03 | 10.54 | 11.34 | ----- | ----- | ----- | ----- | ----- | ----- | -----                |
| <b>Hogs:<sup>6</sup></b>         |       |       |       |       |       |       |       |       |       |       |       |       |                      |
| 1931.....                        | 7.65  | 7.06  | 7.46  | 7.26  | 6.53  | 6.36  | 6.33  | 5.98  | 5.41  | 5.09  | 4.61  | 4.20  | 6.16                 |
| 1932.....                        | 4.00  | 3.89  | 4.33  | 3.85  | 3.34  | 3.02  | 4.58  | 4.21  | 4.00  | 3.50  | 3.34  | 3.04  | 3.83                 |
| 1933.....                        | 3.12  | 3.40  | 3.88  | 3.77  | 4.51  | 4.49  | 4.41  | 3.97  | 4.24  | 4.43  | 4.04  | 3.25  | 3.94                 |
| 1934.....                        | 3.41  | 4.39  | 4.31  | 3.35  | 3.51  | 4.09  | 4.49  | 5.98  | 6.82  | 5.60  | 5.66  | 5.39  | 4.65                 |
| 1935.....                        | 7.70  | 8.35  | 9.09  | 8.94  | 9.31  | 9.27  | 9.49  | 10.78 | 10.95 | 9.83  | 9.31  | 9.57  | 9.27                 |
| 1936.....                        | 9.85  | 10.37 | 10.24 | 10.47 | 9.58  | 9.88  | ----- | ----- | ----- | ----- | ----- | ----- | -----                |

<sup>1</sup> Simple averages of monthly prices, except for beef steers and hogs, which are weighted averages.

<sup>2</sup> Western steers not included.

<sup>3</sup> Slaughter ewes (culls excluded).

<sup>4</sup> Good and choice grades.

<sup>5</sup> Packer and shipper purchases.

Source of tables 599 and 600: Bureau of Agricultural Economics, Department of Agriculture.

## No. 601.—DOMESTIC ANIMALS: MONTHLY FARM PRICES

[In dollars per 100 pounds live weight. Average prices for the year are weighted averages]

| Class and year | Jan. | Feb. | Mar. | Apr. | May  | June | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  | Average |
|----------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|---------|
| Beef cattle:   |      |      |      |      |      |      |       |       |       |       |       |       |         |
| 1934.....      | 3.33 | 3.68 | 3.79 | 3.89 | 4.14 | 4.00 | 3.91  | 3.72  | 4.21  | 3.96  | 3.81  | 3.89  | 3.88    |
| 1935.....      | 5.06 | 5.95 | 6.55 | 6.71 | 6.80 | 6.55 | 6.20  | 6.28  | 6.41  | 6.24  | 6.05  | 6.14  | 6.21    |
| 1936.....      | 6.22 | 6.19 | 6.12 | 6.27 | 6.00 | 5.99 | ..... | ..... | ..... | ..... | ..... | ..... | .....   |
| Calves, veal:  |      |      |      |      |      |      |       |       |       |       |       |       |         |
| 1934.....      | 4.46 | 5.02 | 4.95 | 4.79 | 4.88 | 4.52 | 4.45  | 4.55  | 5.23  | 5.19  | 4.97  | 4.88  | 4.81    |
| 1935.....      | 5.84 | 6.47 | 6.97 | 7.17 | 6.96 | 7.10 | 6.75  | 7.11  | 7.64  | 7.65  | 7.65  | 7.86  | 7.10    |
| 1936.....      | 8.15 | 8.58 | 7.55 | 7.67 | 7.43 | 7.46 | ..... | ..... | ..... | ..... | ..... | ..... | .....   |
| Sheep:         |      |      |      |      |      |      |       |       |       |       |       |       |         |
| 1934.....      | 2.71 | 3.46 | 3.66 | 3.63 | 3.54 | 2.98 | 2.73  | 2.59  | 2.45  | 2.52  | 2.55  | 2.66  | 2.93    |
| 1935.....      | 3.30 | 3.78 | 3.53 | 3.53 | 3.69 | 3.64 | 3.50  | 3.56  | 3.77  | 3.80  | 3.89  | 4.21  | 3.73    |
| 1936.....      | 4.34 | 4.29 | 4.36 | 4.48 | 4.33 | 4.08 | ..... | ..... | ..... | ..... | ..... | ..... | .....   |
| Lambs:         |      |      |      |      |      |      |       |       |       |       |       |       |         |
| 1934.....      | 5.50 | 6.55 | 6.79 | 6.82 | 6.95 | 6.37 | 5.64  | 5.02  | 4.86  | 4.81  | 4.84  | 5.01  | 5.73    |
| 1935.....      | 6.21 | 6.65 | 6.67 | 6.68 | 6.59 | 6.52 | 6.26  | 6.47  | 7.23  | 7.38  | 7.57  | 8.15  | 6.90    |
| 1936.....      | 8.25 | 8.31 | 8.10 | 8.46 | 8.59 | 8.33 | ..... | ..... | ..... | ..... | ..... | ..... | .....   |
| Hogs:          |      |      |      |      |      |      |       |       |       |       |       |       |         |
| 1934.....      | 3.06 | 3.87 | 3.88 | 3.49 | 3.17 | 3.52 | 3.97  | 4.61  | 6.04  | 5.20  | 5.04  | 5.15  | 4.17    |
| 1935.....      | 6.87 | 7.10 | 8.10 | 7.88 | 7.92 | 8.36 | 8.40  | 10.22 | 10.29 | 9.56  | 8.54  | 8.72  | 8.36    |
| 1936.....      | 8.91 | 9.34 | 9.17 | 9.38 | 8.59 | 8.91 | ..... | ..... | ..... | ..... | ..... | ..... | .....   |

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 602.—WHOLESALE PRICES OF MEATS AND ANIMAL PRODUCTS

[All prices are in cents per pound except for eggs, which are in cents per dozen, and milk in cents per quart. Relative prices based on 1923-1925=100]

| Yearly average or year | Hogs, fair to choice, heavy, Chicago  |                   | Steers, good to choice, Chicago     |       | Pork, fresh, (composite price), Chicago |                    | Hams, cured, Chicago              |       | Lard, prime contract, New York |                   | Mutton, dressed, New York |       | Veal, fresh, good, Chicago |       |
|------------------------|---------------------------------------|-------------------|-------------------------------------|-------|-----------------------------------------|--------------------|-----------------------------------|-------|--------------------------------|-------------------|---------------------------|-------|----------------------------|-------|
|                        | Price                                 | Index             | Price                               | Index | Price                                   | Index              | Price                             | Index | Price                          | Index             | Price                     | Index | Price                      | Index |
| 1891-1895.....         | 5.08                                  | 53.6              | 4.78                                | 47.3  | .....                                   | .....              | 10.6                              | 46.5  | 7.8                            | 55.3              | 7.6                       | 55.9  | .....                      | ..... |
| 1896-1900.....         | 3.98                                  | 41.9              | 4.94                                | 49.0  | .....                                   | .....              | 9.2                               | 40.4  | 5.4                            | 38.3              | 7.1                       | 52.2  | .....                      | ..... |
| 1901-1905.....         | 5.89                                  | 62.1              | 5.52                                | 54.7  | .....                                   | .....              | 11.4                              | 50.0  | 8.6                            | 61.0              | 7.6                       | 55.9  | .....                      | ..... |
| 1906-1910.....         | 6.93                                  | 73.1              | 6.13                                | 60.7  | .....                                   | .....              | 13.2                              | 57.9  | 10.3                           | 73.0              | 9.1                       | 66.9  | .....                      | ..... |
| 1911-1915.....         | 7.64                                  | 80.6              | 8.28                                | 82.0  | .....                                   | .....              | 15.4                              | 67.5  | 10.1                           | 71.6              | 9.4                       | 69.1  | .....                      | 88.2  |
| 1916-1920.....         | 15.07                                 | 159.0             | 14.16                               | 140.3 | .....                                   | .....              | 28.6                              | 125.4 | 21.9                           | 165.3             | 16.4                      | 120.6 | .....                      | 83.2  |
| 1921-1925.....         | 9.26                                  | 97.7              | 9.70                                | 96.9  | <sup>1</sup> 16.1                       | <sup>1</sup> 100.0 | 24.3                              | 106.6 | 13.0                           | 92.2              | 12.6                      | 92.6  | <sup>1</sup> 16.1          | 98.3  |
| 1926-1930.....         | 10.41                                 | 109.8             | 12.25                               | 121.3 | 18.7                                    | 116.1              | 25.1                              | 110.1 | 12.6                           | 89.4              | 13.4                      | 98.5  | 20.2                       | 125.5 |
| 1931-1935.....         | 5.71                                  | 60.3              | 8.39                                | 83.1  | 11.9                                    | 73.9               | 16.2                              | 71.1  | 8.3                            | 58.9              | 7.4                       | 54.4  | 10.8                       | 67.1  |
| 1931.....              | 6.14                                  | 64.8              | 8.76                                | 86.8  | 12.3                                    | 76.4               | 18.1                              | 79.4  | 8.0                            | 56.7              | 8.3                       | 61.0  | 12.8                       | 79.5  |
| 1932.....              | 3.82                                  | 40.3              | 7.80                                | 77.3  | 7.8                                     | 48.4               | 13.3                              | 58.3  | 5.0                            | 35.5              | 7.0                       | 51.5  | 9.1                        | 56.5  |
| 1933.....              | 3.98                                  | 42.0              | 5.78                                | 57.3  | 8.0                                     | 49.7               | 12.1                              | 53.1  | 5.7                            | 40.4              | 6.0                       | 44.1  | 9.1                        | 56.5  |
| 1934.....              | 5.03                                  | 53.1              | 7.89                                | 78.2  | 12.3                                    | 76.4               | 15.2                              | 66.7  | 8.3                            | 58.9              | 7.1                       | 52.2  | 9.3                        | 57.8  |
| 1935.....              | 9.60                                  | 101.3             | 11.70                               | 115.9 | 19.2                                    | 119.3              | 22.5                              | 98.7  | 14.5                           | 102.8             | 8.8                       | 64.7  | 13.5                       | 83.9  |
|                        |                                       |                   |                                     |       |                                         |                    |                                   |       |                                |                   |                           |       |                            |       |
| Yearly average or year | Beef, fresh, carcass, steers, Chicago |                   | Beef, fresh, native sides, New York |       | Poultry, dressed, New York              |                    | Butter, creamery, extra, New York |       | Cheese, whole milk, Chicago    |                   | Eggs, fresh, New York     |       | Milk, fresh, New York      |       |
|                        | Price                                 | Index             | Price                               | Index | Price                                   | Index              | Price                             | Index | Price                          | Index             | Price                     | Index | Price                      | Index |
| 1891-1895.....         | .....                                 | .....             | 7.9                                 | 52.0  | .....                                   | .....              | 24.7                              | 54.9  | .....                          | .....             | 42.9                      | ..... | 3.3                        | 45.2  |
| 1896-1900.....         | .....                                 | .....             | 7.8                                 | 51.3  | .....                                   | .....              | 20.1                              | 44.7  | .....                          | .....             | 38.1                      | ..... | 3.1                        | 42.5  |
| 1901-1905.....         | .....                                 | .....             | 8.3                                 | 54.9  | .....                                   | .....              | 23.3                              | 51.8  | .....                          | .....             | 50.7                      | ..... | 3.4                        | 46.6  |
| 1906-1910.....         | <sup>1</sup> 11.0                     | <sup>1</sup> 64.7 | 9.1                                 | 59.6  | <sup>1</sup> 15.9                       | <sup>1</sup> 54.8  | 27.9                              | 62.0  | .....                          | .....             | 60.1                      | ..... | 4.0                        | 54.8  |
| 1911-1915.....         | 12.8                                  | 75.3              | 12.1                                | 79.6  | 17.2                                    | 59.3               | 30.0                              | 66.7  | <sup>1</sup> 14.3              | <sup>1</sup> 65.3 | 25.7                      | 67.7  | 4.2                        | 57.5  |
| 1916-1920.....         | 19.8                                  | 116.5             | 18.6                                | 122.4 | 30.9                                    | 106.6              | 50.1                              | 111.3 | 24.6                           | 112.3             | 45.6                      | 123.2 | 7.1                        | 97.3  |
| 1921-1925.....         | 16.4                                  | 96.5              | 14.8                                | 97.4  | 29.8                                    | 102.8              | 43.8                              | 97.3  | 21.1                           | 96.3              | 37.2                      | 100.5 | 7.4                        | 101.4 |
| 1926-1930.....         | 20.3                                  | 119.4             | 18.5                                | 121.7 | 29.5                                    | 101.7              | 44.1                              | 98.0  | 22.0                           | 100.5             | 33.0                      | 89.2  | 8.2                        | 112.3 |
| 1931-1935.....         | 13.4                                  | 78.8              | 12.1                                | 79.6  | 17.8                                    | 61.4               | 25.2                              | 56.0  | 13.3                           | 60.7              | 21.1                      | 57.0  | 6.3                        | 86.3  |
| 1931.....              | 15.6                                  | 91.3              | 13.4                                | 88.2  | 23.0                                    | 79.3               | 28.3                              | 62.9  | 14.1                           | 64.4              | 22.5                      | 60.8  | 7.4                        | 101.4 |
| 1932.....              | 13.1                                  | 77.1              | 11.7                                | 77.0  | 17.5                                    | 60.3               | 21.0                              | 46.7  | 12.0                           | 54.8              | 19.3                      | 52.2  | 5.1                        | 69.9  |
| 1933.....              | 9.5                                   | 55.9              | 9.2                                 | 60.5  | 13.8                                    | 47.6               | 21.7                              | 48.2  | 11.7                           | 53.8              | 17.2                      | 46.5  | 5.2                        | 71.2  |
| 1934.....              | 11.4                                  | 67.1              | 10.7                                | 70.4  | 15.0                                    | 51.7               | 25.5                              | 56.7  | 12.9                           | 58.9              | 20.3                      | 54.9  | 6.6                        | 90.4  |
| 1935.....              | 17.6                                  | 103.5             | 15.5                                | 102.0 | 19.5                                    | 67.2               | 29.6                              | 65.8  | 15.6                           | 71.2              | 26.3                      | 71.1  | 7.1                        | 97.3  |

<sup>1</sup> Average for 1913 to 1915.<sup>2</sup> Average for 1923 to 1925.<sup>3</sup> Index numbers are based on quotations for "new laid, fair to fancy, near-by" prior to 1913; they have been adjusted, however, for difference in grade and are closely comparable.<sup>4</sup> Average for 1908 to 1910.

Source: Absolute prices, Bureau of Labor Statistics, Department of Labor; indexes, computed from absolute prices by Bureau of Foreign and Domestic Commerce.



# No. 603.—MEAT ANIMALS: SLAUGHTER UNDER FEDERAL INSPECTION AND ESTIMATED TOTAL SLAUGHTER

[All figures in thousands]

| Yearly average or year       | Cattle             |                     | Calves             |                     | Sheep and lambs    |                     | Hogs               |                     | Goats, Federally inspected |
|------------------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|----------------------------|
|                              | Total <sup>1</sup> | Federally inspected | Total <sup>1</sup> | Federally inspected | Total <sup>1</sup> | Federally inspected | Total <sup>1</sup> | Federally inspected |                            |
| 1907-1910.....               | 13,323             | 7,909               | 6,332              | 2,102               | 14,102             | 10,827              | 53,717             | 32,234              | 75                         |
| 1911-1915.....               | 11,648             | 7,152               | 5,440              | 1,976               | 17,974             | 13,990              | 57,355             | 34,460              | 103                        |
| 1916-1920.....               | 14,045             | 9,838               | 7,444              | 3,300               | 14,283             | 11,056              | 63,278             | 30,008              | 126                        |
| 1921-1925.....               | 13,082             | 8,979               | 8,905              | 4,556               | 15,316             | 11,891              | 71,706             | 40,269              | 26                         |
| 1926-1930.....               | 13,106             | 8,932               | 8,817              | 4,750               | 17,961             | 14,010              | 71,391             | 45,355              | 22                         |
| 1931-1935 <sup>2</sup> ..... | .....              | 8,799               | .....              | 5,174               | .....              | 17,405              | .....              | 42,435              | 16                         |
| 1927.....                    | 14,000             | 9,620               | 9,080              | 4,876               | 16,580             | 12,883              | 69,250             | 43,633              | 23                         |
| 1928.....                    | 12,452             | 8,467               | 8,607              | 4,080               | 17,348             | 13,488              | 70,593             | 40,795              | 19                         |
| 1929.....                    | 12,241             | 8,324               | 8,313              | 4,489               | 18,048             | 14,023              | 74,945             | 48,445              | 27                         |
| 1930.....                    | 12,168             | 8,170               | 8,532              | 4,595               | 21,132             | 16,697              | 70,390             | 44,266              | 11                         |
| 1931.....                    | 12,150             | 8,108               | 8,792              | 4,717               | 23,038             | 18,071              | 71,157             | 44,772              | 7                          |
| 1932.....                    | 11,895             | 7,025               | 8,050              | 4,494               | 22,945             | 17,809              | 74,021             | 45,245              | 7                          |
| 1933.....                    | .....              | 8,655               | .....              | 4,907               | .....              | 17,354              | .....              | 47,226              | 0                          |
| 1934 <sup>3</sup> .....      | .....              | 9,943               | .....              | 6,078               | .....              | 16,055              | .....              | 43,876              | 9                          |
| 1935 <sup>3</sup> .....      | .....              | 9,006               | .....              | 5,679               | .....              | 17,644              | .....              | 26,087              | 51                         |

<sup>1</sup> Subject to revision. No estimates of uninspected slaughter for 1933 to 1935.

<sup>2</sup> Excludes animals slaughtered under Government account as follows: Cattle—1934, 3,334,000, 1935, 186,000; calves—1934, 1,377,000, 1935, 39,000; sheep, 1934, 1,356,000; goats, 1934, 89,000.

## No. 604.—MEATS AND LARD: ESTIMATED PRODUCTION AND CONSUMPTION OF MEATS AND LARD PRODUCED UNDER FEDERAL INSPECTION

NOTE.—Production and consumption are on a dressed weight basis. Consumption is computed from production, imports, exports, and changes in stocks

[Production and total consumption in millions of pounds; per capita consumption in pounds]

| Yearly average or year  | Production             |               |                 |                   |                 | Apparent consumption   |               |                 |                   |                 |
|-------------------------|------------------------|---------------|-----------------|-------------------|-----------------|------------------------|---------------|-----------------|-------------------|-----------------|
|                         | All meats <sup>1</sup> | Beef and veal | Mutton and lamb | Pork <sup>1</sup> | Lard (rendered) | All meats <sup>1</sup> | Beef and veal | Mutton and lamb | Pork <sup>1</sup> | Lard (rendered) |
| 1911-1915.....          | 10,201                 | 3,930         | 556             | 5,715             | 1,006           | (2)                    | (2)           | (2)             | (2)               | (2)             |
| 1916-1920.....          | 12,114                 | 5,151         | 419             | 6,544             | 1,198           | 10,092                 | 4,079         | 422             | 4,691             | (2)             |
| 1921-1925.....          | 13,419                 | 5,072         | 460             | 7,891             | 1,660           | 11,854                 | 5,080         | 465             | 6,309             | 780             |
| 1926-1930.....          | 13,529                 | 5,039         | 544             | 7,940             | 1,621           | 12,638                 | 5,111         | 545             | 6,882             | 878             |
| 1931-1935.....          | 12,771                 | 4,992         | 673             | 7,105             | 1,362           | 12,255                 | 5,014         | 673             | 6,568             | 912             |
| 1927.....               | 13,510                 | 5,277         | 502             | 7,731             | 1,557           | 12,669                 | 5,360         | 504             | 6,706             | 850             |
| 1928.....               | 13,829                 | 4,727         | 523             | 8,579             | 1,750           | 12,667                 | 4,813         | 524             | 7,330             | 936             |
| 1929.....               | 13,703                 | 4,728         | 545             | 8,430             | 1,763           | 12,697                 | 4,848         | 550             | 7,299             | 918             |
| 1930.....               | 13,072                 | 4,704         | 650             | 7,718             | 1,521           | 12,344                 | 4,770         | 649             | 6,919             | 896             |
| 1931.....               | 13,271                 | 4,751         | 688             | 7,831             | 1,554           | 12,520                 | 4,775         | 690             | 7,055             | 976             |
| 1932.....               | 12,906                 | 4,394         | 682             | 7,831             | 1,573           | 12,348                 | 4,416         | 681             | 7,250             | 1,031           |
| 1933.....               | 13,945                 | 5,046         | 673             | 8,226             | 1,679           | 12,981                 | 5,037         | 672             | 7,272             | 1,004           |
| 1934 <sup>3</sup> ..... | 13,458                 | 5,602         | 624             | 7,231             | 1,341           | 12,794                 | 5,567         | 623             | 6,604             | 920             |
| 1935 <sup>3</sup> ..... | 10,274                 | 5,167         | 701             | 4,406             | 662             | 10,034                 | 5,275         | 702             | 4,657             | 630             |

| Yearly average or year | Per capita consumption |               |                 |                   |                 | Year                    | Per capita consumption |               |                 |                   |                 |
|------------------------|------------------------|---------------|-----------------|-------------------|-----------------|-------------------------|------------------------|---------------|-----------------|-------------------|-----------------|
|                        | All meats <sup>1</sup> | Beef and veal | Mutton and lamb | Pork <sup>1</sup> | Lard (rendered) |                         | All meats <sup>1</sup> | Beef and veal | Mutton and lamb | Pork <sup>1</sup> | Lard (rendered) |
| 1916-1920.....         | 97.43                  | 48.07         | 4.07            | 45.28             | (2)             | 1930.....               | 100.21                 | 38.77         | 5.27            | 56.17             | 7.27            |
| 1921-1925.....         | 106.27                 | 45.54         | 4.17            | 56.58             | 8.99            | 1931.....               | 100.92                 | 39.49         | 5.56            | 56.87             | 7.87            |
| 1926-1930.....         | 104.60                 | 42.64         | 4.55            | 57.41             | 7.32            | 1932.....               | 98.88                  | 35.37         | 5.45            | 58.09             | 8.25            |
| 1931-1935.....         | 97.54                  | 39.87         | 5.36            | 52.31             | 7.26            | 1933.....               | 103.34                 | 40.10         | 5.36            | 57.88             | 7.69            |
| 1927.....              | 105.95                 | 45.18         | 4.24            | 56.53             | 7.17            | 1934 <sup>3</sup> ..... | 101.23                 | 44.05         | 4.93            | 52.25             | 7.29            |
| 1928.....              | 105.55                 | 40.11         | 4.36            | 61.08             | 7.80            | 1935 <sup>3</sup> ..... | 83.37                  | 41.36         | 5.49            | 56.52             | 4.92            |
| 1929.....              | 104.60                 | 39.94         | 4.53            | 60.13             | 7.87            |                         |                        |               |                 |                   |                 |

<sup>1</sup> Carcass weight including lard content of hogs.

<sup>2</sup> Not available.

<sup>3</sup> Data for animals slaughtered under Government account are not included.

Source of tables 603 and 604: Bureau of Agricultural Economics, Department of Agriculture.

## No. 605.—LIVESTOCK PRODUCTS OF FARMS: QUANTITY AND VALUE OF SPECIFIED PRODUCTS, CENSUS STATISTICS

| Product                                | Farms reporting <sup>1</sup> |           | Unit of quantity | Quantity (thousands) |            |            | Value (thousands of dollars) |           |         |
|----------------------------------------|------------------------------|-----------|------------------|----------------------|------------|------------|------------------------------|-----------|---------|
|                                        | 1929                         | 1934      |                  | 1924                 | 1929       | 1934       | 1924                         | 1929      | 1934    |
| Total value of specified products..... |                              |           |                  |                      |            |            | 2,345,219                    | 3,307,325 |         |
| Dairy products <sup>2</sup> .....      |                              |           |                  |                      |            |            | 1,260,778                    | 1,818,482 |         |
| Milk produced.....                     | 4,815,429                    | 5,239,885 | Gal.             | 9,198,304            | 11,057,023 | 10,666,065 | (3)                          | (3)       | (3)     |
| Whole milk sold.....                   | 893,431                      | (3)       | do.              | 2,066,612            | 4,465,639  | (3)        | 555,269                      | 1,036,650 | (3)     |
| Cream sold.....                        | 98,030                       | (3)       | do.              | 45,738               | 15,849     | (3)        | 62,059                       | 26,139    | (3)     |
| Butterfat sold.....                    | 1,556,487                    | (3)       | Lb.              | 1,061,062            | 1,179,906  | (3)        | 415,311                      | 538,795   | (3)     |
| Butter made.....                       | 3,038,100                    | 3,819,340 | do.              | 642,803              | 542,064    | 558,649    | 228,139                      | 216,898   | 123,734 |
| Butter sold.....                       | 643,994                      | (3)       | do.              |                      | 135,045    | (3)        | (3)                          | 56,056    | (3)     |
| Wool and mohair.....                   |                              |           | do.              | 235,531              | 310,425    | 351,494    | 93,122                       | 96,212    | 78,266  |
| Wool produced <sup>3</sup> .....       | 472,917                      | 576,187   | do.              | 227,105              | 295,994    | 338,682    | 88,630                       | 89,415    | 73,745  |
| Mohair produced.....                   | (3)                          | 21,534    | do.              | 8,426                | 14,461     | 12,810     | 4,491                        | 6,797     | 2,523   |
| Eggs and chickens <sup>4</sup> .....   |                              |           |                  |                      |            |            | 991,319                      | 1,380,371 | (3)     |
| Chicken eggs produced.....             | (2)                          | 5,579,199 | Doz.             | 1,913,245            | 2,689,719  | 2,100,906  | 571,938                      | 799,261   | 365,182 |
| Eggs sold.....                         | 3,872,482                    | (3)       | do.              | (3)                  | 1,965,459  | (3)        | (3)                          | 585,868   | (3)     |
| Chickens raised <sup>4,5</sup> .....   | 5,293,208                    | 5,212,762 | No.              | 545,848              | 673,082    | 598,857    | 419,331                      | 531,110   | 305,714 |
| Chickens sold.....                     | 3,129,715                    | (3)       | do.              | (3)                  | 284,626    | (3)        | (3)                          | 282,516   | (3)     |
| Honey produced.....                    | 323,999                      | (3)       | Lb.              | (3)                  | 83,546     | (3)        | (3)                          | 12,260    | (3)     |

<sup>1</sup> The number of farms reporting milk produced in 1924 was 4,983,493. The number reporting other products is not available.

<sup>2</sup> Value of milk, cream, and butterfat sold and of butter made on farms.

<sup>3</sup> Not available.

<sup>4</sup> Figures for 1924 include estimates for incomplete reports. For data by States see table 593, p. 611.

<sup>5</sup> Data for other poultry raised in 1929 were as follows: Turkeys, 14,794,485, valued at \$47,787,826; ducks, 11,337,487, valued at \$12,211,317; and geese, 3,989,831, valued at \$6,643,748; total value, \$66,622,889.

## No. 606.—DAIRY PRODUCTS: FACTORY PRODUCTION BY DETAILED CLASSES

[In thousands of pounds, except ice cream which is in thousands of gallons]

| Manufactured product                                       | 1930      | 1931      | 1932      | 1933      | 1934      | 1935      |
|------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Creamery butter <sup>1</sup> .....                         | 1,597,747 | 1,667,452 | 1,694,132 | 1,762,688 | 1,994,708 | 1,632,380 |
| Renovated or process butter.....                           | 1,850     | 1,236     | 960       | 1,079     | 1,548     | 2,016     |
| American cheese (whole milk).....                          | 373,816   | 374,648   | 370,743   | 408,631   | 435,491   | 468,999   |
| American cheese (part skim).....                           | 3,653     | 3,108     | 3,319     | 6,338     | 5,550     | 6,664     |
| American cheese (full skim).....                           | 669       | 416       | 225       | 680       | 1,09      | 225       |
| Swiss cheese (including block).....                        | 26,393    | 28,234    | 25,533    | 40,287    | 39,449    | 42,022    |
| Brick and Munster cheese.....                              | 33,543    | 35,484    | 36,973    | 36,037    | 38,447    | 37,522    |
| Limburger cheese.....                                      | 8,473     | 8,508     | 7,897     | 9,469     | 9,425     | 9,535     |
| Cream and Neufchatel cheese.....                           | 33,213    | 33,637    | 31,608    | 33,438    | 40,465    | 38,971    |
| All Italian varieties of cheese.....                       | 3,573     | 3,493     | 3,795     | 4,759     | 5,617     | 10,828    |
| All other varieties of cheese.....                         | 7,029     | 4,851     | 4,010     | 4,076     | 4,676     | 5,890     |
| Cottage, pot, and bakers' cheese.....                      | 97,641    | 101,617   | 103,524   | 100,854   | 103,195   | 109,579   |
| Condensed milk (sweetened):                                |           |           |           |           |           |           |
| Skimmed.....                                               | 161,063   | 142,118   | 122,090   | 116,196   | 122,061   | 135,242   |
| Unskimmed.....                                             | 184,047   | 143,356   | 112,916   | 94,844    | 104,085   | 89,392    |
| Unsweetened condensed milk (plain condensed): <sup>2</sup> |           |           |           |           |           |           |
| Skimmed.....                                               | 3167,862  | 3145,502  | 138,646   | 127,197   | 140,913   | 164,372   |
| Unskimmed.....                                             | 128,203   | 110,038   | 96,062    | 86,992    | 92,414    | 102,333   |
| Evaporated milk (unsweetened):                             |           |           |           |           |           |           |
| Unskimmed.....                                             | 1,449,149 | 1,428,993 | 1,570,612 | 1,716,700 | 1,711,570 | 1,838,890 |
| Condensed or evaporated buttermilk.....                    | 96,431    | 64,019    | 52,167    | 50,175    | 55,659    | 70,543    |
| Dried or powdered buttermilk.....                          | 64,601    | 50,585    | 48,712    | 53,260    | 53,635    | 49,823    |
| Powdered whole milk.....                                   | 15,440    | 12,627    | 11,983    | 13,023    | 15,899    | 19,432    |
| Powdered skimmed milk.....                                 | 260,675   | 261,938   | 270,194   | 288,114   | 294,935   | 297,500   |
| Powdered cream.....                                        | 400       | 161       | 80        | 154       | 65        | 44        |
| Dried casein (skim-milk or buttermilk product).....        | 41,965    | 35,335    | 24,498    | 24,087    | 37,331    | 37,693    |
| Malted milk.....                                           | 22,691    | 19,197    | 13,215    | 12,430    | 13,669    | 15,485    |
| Milk sugar (crude).....                                    | 12,779    | 9,562     | 3,700     | 3,827     | 2,529     | --        |
| Ice cream of all kinds <sup>3</sup> .....                  | 240,750   | 208,239   | 154,604   | 148,913   | 179,594   | 199,385   |

<sup>1</sup> Includes butter made from whey cream.

<sup>2</sup> Formerly classified as evaporated milk, unsweetened.

<sup>3</sup> Includes skimmed evaporated milk, 1,650,000 pounds for 1930 and 36,000 pounds for 1931.

Sources: Table 605, Bureau of the Census, Department of Commerce; table 608, Bureau of Agricultural Economics, Department of Agriculture.

# No. 607.—BUTTER AND CHEESE: PRODUCTION, GROSS RECEIPTS AT FIVE PRINCIPAL MARKETS, AND COLD-STORAGE HOLDINGS

NOTE.—All figures in thousands of pounds. Cheese production relates to the grade "American" (whole milk) only, receipts to all kinds

| Product and market                               | 1921-1925,<br>average | 1926-1930,<br>average | 1931-1935,<br>average | 1932      | 1933      | 1934      | 1935       |
|--------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------|-----------|-----------|------------|
| <b>BUTTER</b>                                    |                       |                       |                       |           |           |           |            |
| Production, creamery <sup>1</sup> .....          | 1,233,655             | 1,525,514             | 1,590,546             | 1,694,132 | 1,762,688 | 1,604,708 | *1,632,380 |
| Receipts (5 markets) <sup>2</sup> .....          | 943,168               | 680,568               | 709,057               | 708,925   | 781,129   | 698,684   | 694,270    |
| New York.....                                    | 238,240               | 250,007               | 209,673               | 282,520   | 290,440   | 263,256   | 237,021    |
| Chicago.....                                     | 228,095               | 236,106               | 237,197               | 223,428   | 261,001   | 228,241   | 220,022    |
| Philadelphia.....                                | 68,066                | 83,343                | 80,534                | 92,243    | 92,387    | 88,947    | 83,508     |
| Boston.....                                      | 81,413                | 81,704                | 84,084                | 81,084    | 88,275    | 90,535    | 82,424     |
| San Francisco.....                               | 26,431                | 25,648                | 28,569                | 28,750    | 29,017    | 27,585    | 30,801     |
| Cold-storage holdings, Dec. 1 <sup>3</sup> ..... | 67,990                | 83,050                | 74,119                | 37,207    | 138,166   | 81,034    | 71,948     |
| <b>CHEESE</b>                                    |                       |                       |                       |           |           |           |            |
| Production, American.....                        | 304,915               | 345,615               | 407,504               | 370,743   | 408,631   | 435,491   | *408,090   |
| Receipts (5 markets) <sup>3</sup> .....          | 207,821               | 193,199               | 156,735               | 157,022   | 152,205   | 160,058   | 165,738    |
| New York.....                                    | 48,127                | 48,730                | 62,629                | 61,195    | 50,850    | 60,293    | 66,800     |
| Chicago.....                                     | 115,674               | 95,138                | 37,606                | 42,804    | 36,885    | 32,880    | 33,004     |
| Philadelphia.....                                | 18,920                | 20,400                | 23,738                | 22,081    | 23,280    | 24,815    | 27,596     |
| Boston.....                                      | 14,336                | 15,834                | 18,576                | 16,593    | 17,080    | 19,422    | 21,647     |
| San Francisco.....                               | 10,763                | 13,062                | 14,186                | 14,340    | 14,506    | 13,048    | 16,519     |
| Cold-storage holdings, Dec. 1 <sup>4</sup> ..... | —                     | —                     | —                     | —         | —         | —         | —          |
| American.....                                    | 50,330                | 66,770                | 70,544                | 62,302    | 55,146    | 90,688    | 92,012     |
| All other.....                                   | 16,150                | 16,412                | 13,080                | 11,524    | 13,863    | 13,284    | 11,749     |

|                                    | Jan.    | Feb.    | Mar.    | Apr.    | May     | June    | July    | Aug.    | Sept.   | Oct.    | Nov.    | Dec.    |
|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>BUTTER</b>                      |         |         |         |         |         |         |         |         |         |         |         |         |
| Production, creamery: <sup>1</sup> |         |         |         |         |         |         |         |         |         |         |         |         |
| 1933.....                          | 130,245 | 122,322 | 133,206 | 138,306 | 191,098 | 201,900 | 176,820 | 166,562 | 140,038 | 130,454 | 115,215 | 110,384 |
| 1934.....                          | 119,775 | 111,381 | 127,476 | 136,482 | 177,080 | 185,396 | 174,943 | 155,190 | 143,701 | 133,817 | 112,597 | 105,330 |
| 1935.....                          | 106,050 | 100,512 | 110,106 | 120,842 | 179,879 | 190,696 | 184,161 | 159,285 | 141,786 | 119,748 | 96,462  | 106,147 |
| 1936 <sup>2</sup> .....            | 107,831 | 108,000 | 121,157 | 132,194 | 176,189 | 186,977 | —       | —       | —       | —       | —       | —       |
| Receipts (5 markets):              |         |         |         |         |         |         |         |         |         |         |         |         |
| 1933.....                          | 58,293  | 51,337  | 58,133  | 55,145  | 74,617  | 83,921  | 73,497  | 73,306  | 63,018  | 58,313  | 55,060  | 56,480  |
| 1934.....                          | 52,607  | 46,861  | 57,926  | 54,152  | 70,551  | 73,259  | 70,273  | 66,404  | 56,664  | 57,228  | 47,708  | 44,931  |
| 1935.....                          | 48,892  | 43,390  | 43,766  | 50,800  | 67,613  | 83,685  | 82,745  | 60,849  | 55,437  | 48,375  | 37,727  | 40,997  |
| 1936 <sup>2</sup> .....            | 48,264  | 47,108  | 52,430  | 55,345  | 64,732  | 79,496  | —       | —       | —       | —       | —       | —       |
| <b>CHEESE</b>                      |         |         |         |         |         |         |         |         |         |         |         |         |
| Production, American:              |         |         |         |         |         |         |         |         |         |         |         |         |
| 1933.....                          | 24,877  | 23,868  | 28,571  | 32,356  | 43,564  | 54,653  | 48,206  | 42,857  | 35,620  | 29,864  | 21,016  | 23,179  |
| 1934.....                          | 24,573  | 24,867  | 30,916  | 36,949  | 48,868  | 55,610  | 51,126  | 45,211  | 37,983  | 33,987  | 24,524  | 20,991  |
| 1935.....                          | 22,197  | 21,019  | 26,614  | 32,828  | 48,926  | 60,590  | 55,238  | 53,101  | 40,058  | 42,114  | 28,211  | 27,481  |
| 1936 <sup>2</sup> .....            | 29,730  | 26,139  | 29,733  | 34,656  | 48,320  | 64,010  | —       | —       | —       | —       | —       | —       |
| Receipts (5 markets):              |         |         |         |         |         |         |         |         |         |         |         |         |
| 1933.....                          | 10,768  | 9,982   | 12,725  | 12,729  | 16,036  | 13,989  | 16,923  | 12,656  | 12,171  | 12,709  | 10,771  | 10,746  |
| 1934.....                          | 13,788  | 12,366  | 9,938   | 10,553  | 15,029  | 14,302  | 16,487  | 17,257  | 12,840  | 14,277  | 13,609  | 9,522   |
| 1935.....                          | 13,525  | 10,821  | 8,965   | 10,088  | 11,903  | 14,645  | 18,480  | 16,687  | 10,384  | 10,836  | 15,423  | 11,468  |
| 1936.....                          | 10,416  | 13,339  | 15,164  | 13,398  | 14,200  | 21,191  | —       | —       | —       | —       | —       | —       |

<sup>1</sup> Includes whey butter beginning 1931.

<sup>2</sup> Estimates.

<sup>3</sup> Gross weight.

<sup>4</sup> Net weight.

# No. 608.—BUTTER, BUTTERFAT, AND CHEESE: WHOLESALE PRICE OF BUTTER AND CHEESE AT NEW YORK AND FARM PRICE OF BUTTER AND BUTTERFAT

NOTE.—Prices in cents per pound. Farm prices represent weighted averages for the entire country. Wholesale prices are for 92-score creamery butter and No. 1 American, single daisies cheese

| Year      | Butter |          | Butterfat (farm) | Cheese (New York) | Month          | Butter (New York) |      | Butterfat (farm) |      | Cheese (New York) |      |
|-----------|--------|----------|------------------|-------------------|----------------|-------------------|------|------------------|------|-------------------|------|
|           | Farm   | New York |                  |                   |                | 1935              | 1936 | 1935             | 1936 | 1935              | 1936 |
| 1924..... | 39.4   | 43       | 30.8             | 21                | January.....   | 34                | 37   | 30.5             | 33.5 | 17                | 18   |
| 1925..... | 40.7   | 45       | 41.9             | 24                | February.....  | 36                | 37   | 35.9             | 34.9 | 18                | 17   |
| 1926..... | 41.1   | 44       | 41.3             | 23                | March.....     | 32                | 32   | 31.2             | 31.7 | 17                | 17   |
| 1927..... | 42.3   | 47       | 43.7             | 26                | April.....     | 34                | 31   | 33.8             | 31.2 | 17                | 15   |
| 1928..... | 43.7   | 47       | 45.6             | 25                | May.....       | 27                | 27   | 27.5             | 27.1 | 16                | 15   |
| 1929..... | 43.0   | 45       | 45.2             | 24                | June.....      | 24                | 30   | 23.7             | 27.7 | 15                | 17   |
| 1930..... | 36.3   | 37       | 34.5             | 20                | July.....      | 24                | —    | —                | —    | 15                | —    |
| 1931..... | 27.3   | 28       | 24.8             | 15                | August.....    | 25                | —    | 22.9             | —    | 16                | —    |
| 1932..... | 20.8   | 21       | 17.9             | 13                | September..... | 26                | —    | 24.0             | —    | 17                | —    |
| 1933..... | 20.2   | 22       | 18.8             | 13                | October.....   | 28                | —    | 25.0             | —    | 17                | —    |
| 1934..... | 22.9   | 26       | 22.7             | 14                | November.....  | 32                | —    | 29.0             | —    | 18                | —    |
| 1935..... | 27.0   | 30       | 28.1             | 17                | December.....  | 34                | —    | 33.0             | —    | 19                | —    |

Source of tables 607 and 608: Bureau of Agricultural Economics, Department of Agriculture.

**No. 609.—MANUFACTURED DAIRY PRODUCTS: FACTORY PRODUCTION, WHOLE MILK EQUIVALENTS, AND ESTIMATED FACTORY PURCHASES OF FLUID MILK**

[Whole milk per unit of factory product in pounds; other figures in thousands of pounds except as noted]

| Factory product                                                       | Whole milk per unit of factory product | 1932                  |            | 1933                  |            | 1934                  |            |
|-----------------------------------------------------------------------|----------------------------------------|-----------------------|------------|-----------------------|------------|-----------------------|------------|
|                                                                       |                                        | Quantity manufactured | Whole milk | Quantity manufactured | Whole milk | Quantity manufactured | Whole milk |
| Creamery butter (incl. whey butter).....                              | 21                                     | 1,604,132             | 35,578,772 | 1,762,688             | 37,016,448 | 1,694,708             | 35,588,863 |
| American cheese <sup>1</sup> .....                                    | 10                                     | 374,062               | 3,740,620  | 414,969               | 4,149,690  | 441,041               | 4,410,410  |
| Cheese, other than American and cottage, pot, and bakers.....         | 10                                     | 109,816               | 1,098,160  | 128,086               | 1,280,860  | 137,972               | 1,379,720  |
| Evaporated milk, unskimmed.....                                       | 2.2                                    | 1,666,664             | 3,666,661  | 1,803,692             | 3,968,123  | 1,803,984             | 3,968,765  |
| Condensed milk, unskimmed.....                                        | 2.2                                    | 112,916               | 248,415    | 104,844               | 208,667    | 104,035               | 228,877    |
| Ice cream, factory.....                                               | 15                                     | 156,812               | 2,352,180  | 150,870               | 2,263,050  | 182,810               | 2,742,150  |
| Dry or powdered cream.....                                            | 19                                     | 80                    | 1,520      | 154                   | 2,926      | 65                    | 1,235      |
| Dry or powdered whole milk.....                                       | 8                                      | 11,983                | 95,864     | 13,026                | 104,208    | 15,860                | 126,952    |
| Malted milk.....                                                      | 2.6                                    | 13,215                | 34,359     | 12,430                | 32,318     | 13,569                | 35,279     |
| Gross milk equivalent.....                                            |                                        |                       | 46,814,551 |                       | 49,026,279 |                       | 48,482,256 |
| Deduct duplication and losses <sup>2</sup> .....                      |                                        |                       | 2,045,887  |                       | 2,110,511  |                       | 2,190,876  |
| Net whole milk equivalent based on plant milk and cream receipts..... |                                        |                       | 44,768,664 |                       | 46,906,768 |                       | 46,291,380 |

<sup>1</sup> Whole milk and part skim.

<sup>2</sup> Thousand gallons. Figures include sherbets.

<sup>3</sup> Duplication resulting from recovery of butterfat from whey cream, and from the use of butter and condensed or evaporated milk in manufacture of ice cream, and losses on account of some fat remaining in skim milk on farms, spillage, stickage, etc., before being delivered, rounding of fractional weights, and tests.

**No. 610.—OLEOMARGARINE: PRODUCTION AND MATERIALS USED**

NOTE.—All figures in thousands of pounds. Figures for production by kind of oil used are as reported to the Bureau of Agricultural Economics, Department of Agriculture, while other production figures are as reported to the Commissioner of Internal Revenue for taxation purposes. Colored oleomargarine is taxed 10 cents per pound; uncolored, 4 cent per pound

| Year ended June 30—                    | Oleomargarine production |         |           | District or material        | Year ended June 30— |         |         |         |
|----------------------------------------|--------------------------|---------|-----------|-----------------------------|---------------------|---------|---------|---------|
|                                        | Total                    | Colored | Uncolored |                             | 1932                | 1933    | 1934    | 1935    |
| 1914.....                              | 144,021                  | 6,384   | 137,637   | PRODUCTION                  |                     |         |         |         |
| 1915.....                              | 145,810                  | 7,595   | 138,215   | California.....             | 26,175              | 28,138  | 30,617  | 38,540  |
| 1916.....                              | 162,510                  | 6,749   | 145,761   | Colorado.....               | 552                 | 451     | 581     | 1,246   |
| 1917.....                              | 233,170                  | 8,012   | 225,158   | Illinois.....               | 93,062              | 87,602  | 99,078  | 143,301 |
| 1918.....                              | 326,520                  | 6,595   | 319,924   | Indiana.....                | 4,592               | 8,946   | 12,444  | 22,407  |
| 1919.....                              | 350,217                  | 13,849  | 345,368   | Kansas.....                 | 16,388              | 12,770  | 12,400  | 25,464  |
| 1920.....                              | 391,280                  | 18,624  | 375,656   | Maryland.....               | 4,829               | 5,613   | 5,385   | 5,775   |
| 1921.....                              | 281,082                  | 11,601  | 269,481   | Massachusetts.....          | 1,632               | 1,527   | 1,474   |         |
| 1922.....                              | 190,060                  | 6,604   | 184,346   | Michigan.....               | 9,436               | 10,453  | 12,377  | 13,623  |
| 1923.....                              | 209,182                  | 8,260   | 200,922   | Minnesota.....              | 1,107               | 963     | 810     | 731     |
| 1924.....                              | 239,699                  | 11,548  | 228,151   | Missouri.....               | 6,286               | 3,557   | 4,319   | 8,538   |
| 1925.....                              | 215,403                  | 11,280  | 204,123   | Nebraska.....               | 1,341               | 910     | 1,148   |         |
| 1926.....                              | 248,047                  | 13,181  | 234,866   | New Jersey.....             | 21,216              | 18,155  | 19,575  | 28,042  |
| 1927.....                              | 257,157                  | 14,602  | 242,555   | Ohio.....                   | 24,716              | 30,148  | 39,280  | 61,852  |
| 1928.....                              | 294,699                  | 15,351  | 279,348   | Oregon.....                 | 664                 | 898     | 1,029   | 1,114   |
| 1929.....                              | 333,122                  | 16,306  | 316,816   | Texas.....                  | 2,338               | 2,262   | 2,142   | 3,072   |
| 1930.....                              | 349,124                  | 17,103  | 332,021   | All other.....              | 1,009               | 253     | 529     | 126     |
| 1931.....                              | 277,773                  | 8,847   | 268,926   |                             |                     |         |         |         |
| 1932.....                              | 215,342                  | 4,636   | 210,706   | MATERIAL CONSUMED           |                     |         |         |         |
| 1933.....                              | 219,043                  | 2,813   | 216,230   | Total.....                  | 247,365             | 243,836 | 271,829 | 359,056 |
| 1934.....                              | 243,187                  | 2,689   | 240,498   | Coconut oil.....            | 127,967             | 134,430 | 140,083 | 149,769 |
| 1935.....                              | 353,821                  | 2,905   | 350,916   | Cottonseed oil.....         | 14,874              | 10,031  | 24,338  | 96,324  |
| 1934 (calendar year)                   |                          |         |           | Derivative of glycerin..... | 245                 | 358     | 594     | 1,101   |
| Total.....                             | 262,900                  | 2,821   | 259,979   | Milk.....                   | 54,257              | 52,007  | 57,794  | 81,722  |
| Combined animal and vegetable oil..... | 54,640                   | 2,120   | 52,511    | Palm oil.....               | 314                 | 338     | 326     | 18      |
| Vegetable and nut oil.....             | 208,260                  | 792     | 207,468   | Peanut oil.....             | 3,780               | 2,938   | 2,641   | 4,035   |
| 1935 (calendar year)                   |                          |         |           | Salt.....                   | 14,659              | 12,598  | 14,187  | 20,810  |
| Total.....                             | 378,677                  | 2,826   | 375,861   | Oleo oil.....               | 15,315              | 12,457  | 17,984  | 23,867  |
| Combined animal and vegetable oil..... | 47,977                   | 1,890   | 46,087    | Oleostearine.....           | 4,337               | 3,283   | 3,301   | 3,003   |
| Vegetable and nut oil.....             | 330,700                  | 936     | 329,774   | Oleo stock.....             | 641                 | 573     | 832     | 2,534   |
|                                        |                          |         |           | Neutral lard.....           | 10,557              | 9,130   | 9,240   | 4,937   |
|                                        |                          |         |           | Soybean oil.....            | 13                  | 7       |         | 542     |
|                                        |                          |         |           | Miscellaneous.....          | 407                 | 235     | 510     | 394     |

Sources: Table 609 and calendar year figures, table 610, Bureau of Agricultural Economics, Department of Agriculture; other figures, table 610, Commissioner of Internal Revenue, Treasury Department.

## No. 611.—POULTRY: FARM PRICES AND RECEIPTS AT PRINCIPAL MARKETS

[Prices in cents per pound; receipts in thousands of pounds]

|                                        | 1914-<br>1920,<br>average | 1921-<br>1925,<br>average | 1926-<br>1930,<br>average | 1931-<br>1935,<br>average | 1932    | 1933    | 1934    | 1935    |
|----------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------|---------|---------|---------|
| Chickens, average farm price.....      | 17.6                      | 19.1                      | 20.3                      | 12.2                      | 10.9    | 9.0     | 11.2    | 14.9    |
| Turkeys, average farm price, Nov. 15.. | 22.0                      | 27.0                      | 27.8                      | 15.5                      | 12.9    | 11.8    | 14.6    | 19.9    |
| Dressed poultry, receipts, 4 markets.. |                           | 308,008                   | 358,032                   | 349,740                   | 355,454 | 380,318 | 334,415 | 282,150 |
| Boston.....                            |                           | 49,096                    | 53,554                    | 55,933                    | 58,213  | 64,728  | 52,072  | 40,569  |
| New York.....                          |                           | 155,266                   | 194,066                   | 203,480                   | 195,445 | 223,094 | 204,067 | 175,881 |
| Philadelphia.....                      |                           | 25,151                    | 33,398                    | 34,164                    | 36,447  | 37,066  | 32,972  | 26,140  |
| Chicago.....                           |                           | 77,895                    | 76,414                    | 56,104                    | 65,349  | 55,430  | 44,704  | 43,560  |

  

|                                       | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Chickens, average farm price:         |        |        |        |        |        |        |        |        |        |        |        |        |
| 1933.....                             | 9.3    | 9.4    | 9.1    | 9.8    | 10.4   | 10.0   | 10.4   | 9.8    | 9.5    | 9.3    | 8.8    | 8.6    |
| 1934.....                             | 9.4    | 10.2   | 10.7   | 11.1   | 11.2   | 11.2   | 11.7   | 11.4   | 12.7   | 11.8   | 11.7   | 11.7   |
| 1935.....                             | 12.4   | 13.4   | 14.2   | 15.5   | 16.7   | 15.6   | 14.0   | 14.1   | 15.4   | 15.7   | 15.9   | 16.0   |
| 1936.....                             | 16.5   | 16.9   | 16.6   | 16.9   | 16.6   | 16.4   |        |        |        |        |        |        |
| Dressed poultry, receipts, 4 markets: |        |        |        |        |        |        |        |        |        |        |        |        |
| 1932.....                             | 23,411 | 19,321 | 18,725 | 15,047 | 13,404 | 20,243 | 18,312 | 21,582 | 24,410 | 31,762 | 71,237 | 72,700 |
| 1933.....                             | 29,144 | 20,797 | 17,485 | 18,370 | 22,708 | 23,671 | 21,727 | 23,588 | 24,673 | 31,539 | 78,318 | 68,348 |
| 1934.....                             | 29,338 | 17,927 | 15,519 | 12,760 | 19,237 | 22,455 | 22,078 | 21,564 | 24,241 | 30,667 | 62,162 | 50,431 |
| 1935.....                             | 20,916 | 15,102 | 12,520 | 13,537 | 14,436 | 18,279 | 18,239 | 16,327 | 21,201 | 27,775 | 59,022 | 53,600 |
| 1936.....                             | 19,620 | 13,741 | 14,158 | 14,483 | 17,920 | 21,707 |        |        |        |        |        |        |

## No. 612.—EGGS: PRICES, RECEIPTS AT PRINCIPAL MARKETS, AND STORAGE

[Prices in cents per dozen; receipts and storage in thousands of cases]

|                             | 1926-<br>1930,<br>average | 1931-<br>1935,<br>average | 1933 | 1934 | 1935 |                    | 1931-<br>1935,<br>average | 1933   | 1934   | 1935   |
|-----------------------------|---------------------------|---------------------------|------|------|------|--------------------|---------------------------|--------|--------|--------|
| Average farm price.....     | 28                        | 17                        | 14   | 17   | 23   | Receipts (5 mar-   |                           |        |        |        |
| Wholesale prices:           |                           |                           |      |      |      | kets).....         | 14,284                    | 14,628 | 13,614 | 13,304 |
| Western firsts, Boston..... | 34                        | 21                        | 17   | 21   | 27   | Boston.....        | 1,883                     | 1,330  | 1,293  | 1,217  |
| Fresh firsts, New York..... | 33                        | 21                        | 17   | 20   | 26   | New York.....      | 6,760                     | 6,885  | 6,436  | 6,175  |
| Western extra firsts,       |                           |                           |      |      |      | Philadelphia.....  | 1,499                     | 1,530  | 1,406  | 1,333  |
| Philadelphia.....           | 37                        | 26                        | 21   | 24   | 32   | Chicago.....       | 3,870                     | 4,135  | 3,607  | 3,794  |
| Fresh firsts, Chicago.....  | 32                        | 20                        | 16   | 19   | 25   | San Francisco..... | 772                       | 748    | 782    | 845    |
| Fresh extras, San Fran-     |                           |                           |      |      |      | Cold-storage hold- |                           |        |        |        |
| cisco.....                  | 34                        | 24                        | 21   | 22   | 28   | ings (shell eggs): |                           |        |        |        |
| Average export value.....   | 29                        | 24                        | 21   | 24   | 30   | July 31.....       | 8,470                     | 9,507  | 8,961  | 7,947  |
|                             |                           |                           |      |      |      | Dec. 31.....       | 795                       | 731    | 648    | 904    |

  

|                                | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct. | Nov. | Dec. |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| Average farm price:            |       |       |       |       |       |       |       |       |       |      |      |      |
| 1932.....                      | 17    | 13    | 10    | 10    | 10    | 11    | 12    | 15    | 17    | 22   | 26   | 28   |
| 1933.....                      | 21    | 11    | 10    | 10    | 12    | 10    | 13    | 13    | 16    | 21   | 24   | 22   |
| 1934.....                      | 18    | 16    | 14    | 14    | 13    | 13    | 14    | 17    | 22    | 24   | 29   | 27   |
| 1935.....                      | 25    | 26    | 19    | 20    | 21    | 21    | 22    | 23    | 26    | 28   | 30   | 29   |
| 1936.....                      | 23    | 24    | 18    | 17    | 18    | 19    |       |       |       |      |      |      |
| Wholesale price, fresh firsts, |       |       |       |       |       |       |       |       |       |      |      |      |
| New York:                      |       |       |       |       |       |       |       |       |       |      |      |      |
| 1932.....                      | 19    | 18    | 14    | 14    | 15    | 14    | 15    | 17    | 21    | 24   | 31   | 31   |
| 1933.....                      | 23    | 14    | 14    | 13    | 14    | 13    | 15    | 14    | 18    | 20   | 26   | 22   |
| 1934.....                      | 22    | 18    | 18    | 17    | 16    | 16    | 17    | 21    | 22    | 24   | 28   | 27   |
| 1935.....                      | 30    | 30    | 21    | 24    | 25    | 24    | 24    | 26    | 27    | 27   | 29   | 27   |
| 1936.....                      | 24    | 30    | 21    | 20    | 22    | 22    |       |       |       |      |      |      |
| Receipts (5 markets):          |       |       |       |       |       |       |       |       |       |      |      |      |
| 1932.....                      | 936   | 1,090 | 1,435 | 1,917 | 1,971 | 1,496 | 1,082 | 1,035 | 853   | 738  | 605  | 618  |
| 1933.....                      | 1,050 | 988   | 1,039 | 2,280 | 2,502 | 1,576 | 1,152 | 951   | 733   | 651  | 514  | 590  |
| 1934.....                      | 808   | 1,155 | 1,824 | 2,051 | 1,927 | 1,452 | 1,009 | 828   | 695   | 655  | 588  | 642  |
| 1935.....                      | 750   | 858   | 1,488 | 1,866 | 1,903 | 1,503 | 1,170 | 856   | 781   | 704  | 641  | 794  |
| 1936.....                      | 889   | 811   | 1,798 | 2,022 | 2,038 | 1,727 |       |       |       |      |      |      |

Source of tables 611 and 612: Bureau of Agricultural Economics, Department of Agriculture.

## No. 613.—COLD-STORAGE HOLDINGS OF ANIMAL PRODUCTS AND FROZEN FISH

NOTE.—All figures are in thousands of pounds, except shell eggs and total meats, which are in thousands of 30-dozen cases and millions of pounds, respectively. Quantities are net weights and are as of 1st of each month. Beef and pork figures include frozen, cured, and in process of cure

|                                 | Jan.    | Feb.    | Mar.    | Apr.    | May     | June    | July    | Aug.    | Sept.   | Oct.    | Nov.    | Dec.    |
|---------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>Creamery butter:</b>         |         |         |         |         |         |         |         |         |         |         |         |         |
| 1932.....                       | 26,043  | 22,506  | 15,243  | 9,094   | 10,394  | 29,160  | 84,269  | 110,247 | 107,259 | 89,490  | 66,828  | 37,207  |
| 1933.....                       | 22,043  | 17,838  | 11,580  | 9,255   | 9,398   | 35,159  | 106,378 | 150,934 | 175,476 | 174,713 | 160,463 | 138,166 |
| 1934.....                       | 111,249 | 76,995  | 36,853  | 16,551  | 11,838  | 27,161  | 70,148  | 108,748 | 120,467 | 125,047 | 111,073 | 81,094  |
| 1935.....                       | 47,175  | 18,907  | 8,110   | 5,941   | 5,676   | 33,096  | 96,392  | 149,628 | 156,855 | 148,822 | 120,210 | 71,948  |
| 1936.....                       | 40,117  | 21,502  | 8,217   | 5,946   | 4,997   | 21,157  | 73,816  |         |         |         |         |         |
| <b>American cheese:</b>         |         |         |         |         |         |         |         |         |         |         |         |         |
| 1932.....                       | 60,804  | 54,360  | 47,108  | 42,009  | 38,951  | 40,401  | 53,922  | 63,667  | 66,721  | 68,555  | 60,813  | 62,392  |
| 1933.....                       | 57,749  | 53,632  | 40,902  | 41,625  | 37,321  | 41,336  | 67,456  | 82,771  | 94,394  | 99,326  | 95,831  | 85,148  |
| 1934.....                       | 77,773  | 65,476  | 54,934  | 49,856  | 52,217  | 58,073  | 79,925  | 97,018  | 103,805 | 108,624 | 102,832 | 96,688  |
| 1935.....                       | 89,878  | 71,007  | 60,943  | 54,769  | 46,593  | 48,320  | 64,395  | 82,397  | 92,707  | 102,661 | 100,670 | 92,912  |
| 1936.....                       | 88,537  | 78,197  | 68,363  | 62,261  | 55,758  | 66,948  | 70,282  |         |         |         |         |         |
| <b>All varieties of cheese:</b> |         |         |         |         |         |         |         |         |         |         |         |         |
| 1932.....                       | 78,318  | 70,682  | 60,962  | 54,021  | 50,764  | 52,118  | 66,531  | 76,327  | 79,847  | 81,406  | 78,274  | 73,916  |
| 1933.....                       | 68,714  | 63,821  | 55,731  | 48,806  | 43,626  | 48,481  | 78,715  | 94,291  | 108,035 | 113,131 | 109,655 | 99,009  |
| 1934.....                       | 91,970  | 78,789  | 67,819  | 62,153  | 65,450  | 71,469  | 96,960  | 115,842 | 122,495 | 127,363 | 118,098 | 109,972 |
| 1935.....                       | 102,197 | 81,220  | 70,168  | 62,851  | 54,459  | 56,767  | 75,295  | 94,679  | 105,851 | 114,963 | 111,731 | 104,661 |
| 1936.....                       | 99,572  | 90,890  | 79,568  | 73,952  | 67,776  | 70,783  | 85,798  |         |         |         |         |         |
| <b>Shell eggs:</b>              |         |         |         |         |         |         |         |         |         |         |         |         |
| 1932.....                       | 1,475   | 668     | 258     | 700     | 2,982   | 5,380   | 6,339   | 6,431   | 5,900   | 4,895   | 3,225   | 1,199   |
| 1933.....                       | 1,159   | 75      | 163     | 1,833   | 4,857   | 8,062   | 9,364   | 9,507   | 8,944   | 7,466   | 5,173   | 2,641   |
| 1934.....                       | 781     | 50      | 90      | 1,208   | 4,640   | 7,819   | 8,965   | 8,961   | 7,938   | 6,803   | 4,633   | 2,360   |
| 1935.....                       | 648     | 39      | 34      | 1,508   | 3,901   | 6,366   | 7,591   | 7,947   | 7,378   | 6,353   | 4,644   | 2,738   |
| 1936.....                       | 964     | 159     | 13      | 807     | 3,039   | 5,707   | 7,058   |         |         |         |         |         |
| <b>Frozen eggs:<sup>1</sup></b> |         |         |         |         |         |         |         |         |         |         |         |         |
| 1932.....                       | 79,198  | 72,439  | 68,024  | 60,031  | 81,920  | 94,978  | 100,485 | 99,112  | 92,967  | 84,187  | 74,814  | 64,150  |
| 1933.....                       | 55,339  | 46,448  | 40,450  | 46,090  | 62,944  | 85,323  | 103,019 | 107,660 | 102,449 | 98,182  | 82,802  | 72,348  |
| 1934.....                       | 61,419  | 49,910  | 39,181  | 38,679  | 62,632  | 93,947  | 118,058 | 121,664 | 111,994 | 99,951  | 88,715  | 76,073  |
| 1935.....                       | 64,879  | 52,726  | 39,413  | 39,516  | 59,313  | 84,680  | 107,937 | 116,274 | 112,555 | 98,653  | 88,018  | 79,035  |
| 1936.....                       | 69,546  | 59,722  | 46,367  | 45,848  | 68,172  | 94,014  | 111,726 |         |         |         |         |         |
| <b>Frozen poultry:</b>          |         |         |         |         |         |         |         |         |         |         |         |         |
| 1932.....                       | 116,700 | 111,554 | 96,422  | 74,660  | 56,676  | 44,829  | 36,861  | 31,471  | 30,305  | 36,683  | 54,989  | 91,118  |
| 1933.....                       | 111,642 | 104,833 | 88,675  | 67,285  | 45,824  | 38,131  | 42,706  | 44,970  | 47,789  | 50,177  | 59,628  | 91,211  |
| 1934.....                       | 123,503 | 120,177 | 101,776 | 74,197  | 49,212  | 39,790  | 40,609  | 44,904  | 46,053  | 55,262  | 73,401  | 105,565 |
| 1935.....                       | 132,001 | 122,288 | 106,776 | 83,713  | 61,816  | 48,274  | 47,051  | 41,262  | 34,911  | 39,720  | 53,156  | 86,098  |
| 1936.....                       | 107,389 | 103,833 | 85,702  | 69,494  | 49,324  | 41,926  | 43,050  |         |         |         |         |         |
| <b>Beef:</b>                    |         |         |         |         |         |         |         |         |         |         |         |         |
| 1932.....                       | 53,199  | 51,285  | 51,107  | 46,346  | 41,226  | 35,655  | 29,909  | 26,719  | 24,376  | 25,900  | 36,036  | 41,029  |
| 1933.....                       | 42,870  | 39,550  | 36,015  | 33,781  | 30,658  | 30,538  | 35,136  | 41,823  | 48,446  | 51,198  | 59,233  | 70,010  |
| 1934.....                       | 79,232  | 72,948  | 64,745  | 55,848  | 46,590  | 42,546  | 45,471  | 61,545  | 80,075  | 92,575  | 108,399 | 127,953 |
| 1935.....                       | 140,940 | 127,097 | 110,777 | 98,550  | 77,559  | 63,253  | 55,663  | 49,473  | 47,292  | 48,226  | 65,464  | 91,164  |
| 1936.....                       | 106,210 | 104,447 | 86,928  | 79,509  | 65,011  | 51,134  | 41,222  |         |         |         |         |         |
| <b>Pork:</b>                    |         |         |         |         |         |         |         |         |         |         |         |         |
| 1932.....                       | 563,308 | 674,151 | 812,399 | 792,197 | 799,064 | 795,866 | 724,271 | 643,052 | 678,876 | 498,253 | 433,548 | 403,898 |
| 1933.....                       | 490,550 | 576,055 | 684,609 | 621,610 | 630,360 | 670,553 | 760,730 | 808,322 | 756,701 | 630,437 | 498,308 | 526,454 |
| 1934.....                       | 629,699 | 730,404 | 733,956 | 657,222 | 656,087 | 641,568 | 628,425 | 643,596 | 642,010 | 524,220 | 504,737 | 571,913 |
| 1935.....                       | 687,563 | 667,984 | 666,508 | 627,346 | 564,881 | 503,413 | 445,307 | 369,910 | 325,249 | 277,805 | 240,668 | 253,200 |
| 1936.....                       | 326,777 | 436,042 | 451,418 | 450,149 | 457,402 | 440,618 | 435,130 |         |         |         |         |         |
| <b>All meats:</b>               |         |         |         |         |         |         |         |         |         |         |         |         |
| 1932.....                       | 684     | 797     | 939     | 906     | 901     | 892     | 810     | 722     | 650     | 566     | 510     | 483     |
| 1933.....                       | 579     | 664     | 693     | 688     | 708     | 754     | 883     | 926     | 879     | 748     | 605     | 667     |
| 1934.....                       | 778     | 879     | 867     | 771     | 756     | 738     | 737     | 786     | 714     | 724     | 723     | 817     |
| 1935.....                       | 959     | 909     | 870     | 808     | 712     | 627     | 556     | 471     | 425     | 376     | 362     | 410     |
| 1936.....                       | 510     | 622     | 611     | 599     | 585     | 550     | 534     |         |         |         |         |         |
| <b>Frozen fish:<sup>2</sup></b> |         |         |         |         |         |         |         |         |         |         |         |         |
| 1932.....                       | 64,478  | 50,601  | 35,564  | 25,916  | 28,622  | 34,311  | 41,306  | 51,581  | 59,269  | 63,073  | 62,104  | 55,738  |
| 1933.....                       | 45,476  | 35,469  | 25,855  | 19,335  | 16,645  | 25,711  | 33,331  | 44,882  | 51,475  | 55,928  | 58,338  | 57,188  |
| 1934.....                       | 44,660  | 32,523  | 18,513  | 15,839  | 20,553  | 34,674  | 50,777  | 62,601  | 73,637  | 77,151  | 77,126  | 73,850  |
| 1935.....                       | 64,176  | 51,629  | 35,185  | 22,053  | 21,774  | 35,937  | 48,147  | 59,593  | 66,540  | 70,156  | 76,503  | 75,056  |
| 1936.....                       | 64,031  | 45,129  | 31,270  | 20,102  | 34,141  | 46,241  | 62,578  |         |         |         |         |         |
| <b>Lard:</b>                    |         |         |         |         |         |         |         |         |         |         |         |         |
| 1932.....                       | 51,224  | 78,430  | 92,861  | 105,635 | 111,007 | 128,103 | 130,363 | 121,618 | 100,577 | 70,656  | 34,410  | 29,766  |
| 1933.....                       | 41,088  | 52,841  | 58,182  | 61,674  | 71,895  | 110,889 | 186,250 | 219,259 | 224,476 | 192,061 | 133,693 | 116,077 |
| 1934.....                       | 132,510 | 163,750 | 176,044 | 173,775 | 179,098 | 182,240 | 195,135 | 209,497 | 187,155 | 128,054 | 105,519 | 103,827 |
| 1935.....                       | 118,107 | 112,497 | 110,197 | 104,934 | 101,224 | 89,988  | 84,680  | 68,436  | 53,537  | 45,350  | 40,702  | 37,906  |
| 1936.....                       | 52,718  | 75,669  | 78,725  | 76,814  | 83,615  | 99,656  | 106,774 |         |         |         |         |         |

<sup>1</sup> Frozen eggs may be converted to cases on the basis of 35 pounds to a case.

<sup>2</sup> Holdings of frozen fish are for the 15th of each month.

Source: Bureau of Agricultural Economics, Department of Agriculture.

# No. 614.—MILK AND BUTTER: PRODUCTION OF MILK ON FARMS AND OF BUTTER ON FARMS AND IN FACTORIES, BY STATES

| Division and State   | Milk produced on farms<br>(thousands of gallons) |            |            | Butter made (thousands of pounds) |         |         |                  |                  |                  |
|----------------------|--------------------------------------------------|------------|------------|-----------------------------------|---------|---------|------------------|------------------|------------------|
|                      | 1924 <sup>1</sup>                                | 1929       | 1934       | On farms                          |         |         | In factories     |                  |                  |
|                      |                                                  |            |            | 1924                              | 1929    | 1934    | 1925             | 1929             | 1933             |
| United States.....   | 9,198,304                                        | 11,052,023 | 10,886,066 | 642,803                           | 542,064 | 558,649 | 21,453,483       | 21,615,688       | 21,742,396       |
| New England.....     | 402,785                                          | 415,304    | 419,284    | 18,198                            | 13,708  | 10,891  |                  |                  |                  |
| Maine.....           | 70,949                                           | 71,101     | 66,791     | 9,241                             | 8,188   | 6,720   | 426              | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| New Hamp.....        | 38,149                                           | 40,680     | 42,928     | 2,470                             | 1,798   | 1,324   | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Vermont.....         | 127,957                                          | 139,078    | 139,609    | 3,402                             | 2,218   | 1,662   | 10,688           | 5,137            | 2,848            |
| Massachusetts.....   | 86,576                                           | 85,421     | 86,760     | 1,456                             | 818     | 620     | 2,468            | 1,280            | 2,820            |
| Rhode Island.....    | 13,504                                           | 14,860     | 14,458     | 132                               | 53      | 62      | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Connecticut.....     | 65,681                                           | 64,137     | 68,788     | 1,494                             | 657     | 603     | ( <sup>2</sup> ) | ( <sup>2</sup> ) | 336              |
| Middle Atlantic..... | 1,264,502                                        | 1,362,227  | 1,346,969  | 53,545                            | 33,116  | 25,471  |                  | 21,209           | 27,936           |
| New York.....        | 741,983                                          | 800,524    | 782,520    | 22,106                            | 13,998  | 10,671  | 18,237           | 9,355            | 14,152           |
| New Jersey.....      | 76,245                                           | 81,773     | 92,101     | 946                               | 570     | 460     | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Pennsylvania.....    | 446,273                                          | 470,931    | 472,348    | 30,494                            | 18,542  | 14,340  | 11,474           | 11,854           | 13,784           |
| E. N. Central.....   | 2,614,917                                        | 2,988,768  | 2,912,724  | 87,892                            | 54,996  | 56,784  | 446,414          | 436,237          | 484,849          |
| Ohio.....            | 425,834                                          | 454,117    | 456,140    | 23,309                            | 14,501  | 15,793  | 85,639           | 89,360           | 85,929           |
| Indiana.....         | 270,993                                          | 332,183    | 326,446    | 14,172                            | 8,754   | 9,817   | 54,969           | 56,608           | 60,644           |
| Illinois.....        | 435,133                                          | 506,374    | 534,997    | 22,889                            | 16,313  | 15,525  | 83,760           | 73,887           | 77,161           |
| Michigan.....        | 424,236                                          | 449,756    | 446,684    | 20,350                            | 12,414  | 12,344  | 71,867           | 61,076           | 70,850           |
| Wisconsin.....       | 1,058,761                                        | 1,241,338  | 1,145,557  | 7,172                             | 3,013   | 3,335   | 170,202          | 155,305          | 150,205          |
| W. N. Central.....   | 2,275,079                                        | 2,918,987  | 2,612,130  | 124,119                           | 94,491  | 90,898  | 694,199          | 834,724          | 870,806          |
| Minnesota.....       | 663,638                                          | 825,441    | 751,130    | 16,825                            | 10,246  | 10,759  | 267,561          | 288,630          | 311,405          |
| Iowa.....            | 515,900                                          | 647,224    | 627,374    | 23,328                            | 14,679  | 12,717  | 168,350          | 213,731          | 228,191          |
| Missouri.....        | 273,056                                          | 369,134    | 331,885    | 25,937                            | 20,997  | 21,456  | 62,006           | 86,951           | 84,306           |
| North Dakota.....    | 199,037                                          | 227,819    | 180,919    | 14,773                            | 13,361  | 12,804  | 32,682           | 38,955           | 47,163           |
| South Dakota.....    | 172,968                                          | 231,187    | 143,096    | 10,926                            | 9,316   | 7,640   | 20,203           | 40,894           | 44,104           |
| Nebraska.....        | 197,601                                          | 292,938    | 275,837    | 15,037                            | 13,066  | 12,896  | 83,694           | 106,199          | 91,225           |
| Kansas.....          | 251,999                                          | 326,193    | 302,389    | 17,293                            | 12,827  | 12,666  | 50,064           | 50,364           | 73,502           |
| South Atlantic.....  | 567,849                                          | 644,861    | 678,689    | 108,097                           | 105,867 | 112,686 |                  |                  |                  |
| Delaware.....        | 13,037                                           | 14,767     | 14,099     | 812                               | 430     | 326     | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Maryland.....        | 74,043                                           | 87,786     | 87,373     | 5,255                             | 3,626   | 3,033   | 790              | 183              | ( <sup>2</sup> ) |
| Dist. of Col.....    | 481                                              | 504        | 524        | 5                                 | 3       | 1       | ( <sup>2</sup> ) | ( <sup>2</sup> ) | ( <sup>2</sup> ) |
| Virginia.....        | 127,447                                          | 145,525    | 145,003    | 24,232                            | 22,916  | 22,411  | 4,613            | 5,497            | 6,096            |
| West Virginia.....   | 76,621                                           | 83,868     | 87,313     | 10,055                            | 12,674  | 12,514  | 689              | 466              | 712              |
| N. Carolina.....     | 108,152                                          | 119,963    | 138,121    | 25,360                            | 26,168  | 30,717  | 1,562            | 2,230            | 2,088            |
| S. Carolina.....     | 49,982                                           | 52,526     | 67,798     | 12,556                            | 11,538  | 11,872  | 807              | 469              | 1,307            |
| Georgia.....         | 98,822                                           | 113,640    | 119,071    | 22,277                            | 26,691  | 26,640  | 1,950            | 2,158            | 2,450            |
| Florida.....         | 19,266                                           | 26,284     | 29,387     | 1,544                             | 1,783   | 2,172   |                  | 1,061            | 234              |
| E. S. Central.....   | 499,612                                          | 646,607    | 658,306    | 107,259                           | 107,013 | 120,250 | 33,942           | 46,992           | 47,169           |
| Kentucky.....        | 165,921                                          | 210,624    | 196,110    | 28,595                            | 22,886  | 24,349  | 14,611           | 20,633           | 22,007           |
| Tennessee.....       | 148,769                                          | 181,790    | 187,861    | 32,461                            | 29,331  | 32,825  | 12,396           | 17,267           | 15,052           |
| Alabama.....         | 95,365                                           | 123,549    | 134,424    | 27,705                            | 32,964  | 36,872  | 1,339            | 2,154            | 2,138            |
| Mississippi.....     | 89,567                                           | 130,644    | 137,911    | 18,498                            | 21,832  | 26,204  | 6,696            | 6,938            | 7,912            |
| W. S. Central.....   | 588,777                                          | 848,817    | 849,021    | 109,161                           | 109,566 | 111,358 | 32,201           | 56,250           | 84,036           |
| Arkansas.....        | 98,769                                           | 128,569    | 132,708    | 23,962                            | 23,999  | 26,568  | 985              | 2,985            | 5,369            |
| Louisiana.....       | 37,870                                           | 58,290     | 64,246     | 4,319                             | 5,816   | 6,609   |                  | 768              | 1,768            |
| Oklahoma.....        | 177,997                                          | 249,251    | 242,494    | 25,519                            | 21,734  | 22,374  | 16,439           | 27,610           | 40,205           |
| Texas.....           | 274,541                                          | 412,708    | 409,573    | 55,351                            | 58,016  | 55,817  | 14,777           | 24,997           | 30,694           |
| Mountain.....        | 862,431                                          | 469,473    | 432,133    | 21,709                            | 15,645  | 18,168  | 65,518           | 79,680           | 81,071           |
| Montana.....         | 73,186                                           | 87,378     | 75,828     | 5,416                             | 4,503   | 4,832   | 14,747           | 13,975           | 9,385            |
| Idaho.....           | 78,505                                           | 104,667    | 106,989    | 3,662                             | 2,450   | 3,120   | 16,468           | 23,271           | 25,790           |
| Wyoming.....         | 24,318                                           | 32,879     | 29,526     | 1,760                             | 1,364   | 1,565   | 2,194            | 2,864            | 2,311            |
| Colorado.....        | 96,649                                           | 121,906    | 106,820    | 6,245                             | 3,579   | 4,141   | 10,284           | 22,020           | 24,640           |
| New Mexico.....      | 19,027                                           | 24,491     | 25,676     | 1,707                             | 1,321   | 1,702   | 349              | 566              | 1,046            |
| Arizona.....         | 18,416                                           | 21,005     | 24,782     | 761                               | 511     | 798     | 1,828            | 2,613            | 2,312            |
| Utah.....            | 40,847                                           | 65,039     | 52,524     | 2,913                             | 1,752   | 1,797   | 8,139            | 11,793           | 13,203           |
| Nevada.....          | 11,483                                           | 12,108     | 11,988     | 244                               | 176     | 213     | 2,510            | 2,278            | 1,884            |
| Pacific.....         | 622,373                                          | 761,011    | 756,869    | 12,635                            | 7,670   | 12,043  | 127,939          | 121,702          | 137,547          |
| Washington.....      | 169,846                                          | 180,104    | 185,807    | 5,690                             | 3,196   | 5,604   | 20,476           | 28,595           | 33,634           |
| Oregon.....          | 112,218                                          | 135,377    | 133,237    | 3,801                             | 2,529   | 3,328   | 23,007           | 23,820           | 25,768           |
| California.....      | 340,309                                          | 445,530    | 437,815    | 3,844                             | 1,944   | 3,051   | 74,562           | 69,181           | 78,155           |

<sup>1</sup> Including estimates for incomplete reports.

<sup>2</sup> The totals include the following quantities not shown separately by States: 1925—1,035,000 pounds, reported by New Hampshire, Rhode Island, Connecticut, New Jersey, and Delaware; 1929—463,000 pounds, reported by Maine, New Hampshire, Rhode Island, Connecticut, and Delaware; 1933—866,000 pounds, reported by Maine, New Hampshire, Rhode Island, Delaware, and Maryland. See footnote 3.

<sup>3</sup> Withheld to avoid disclosing, exactly or approximately, production reported by individual establishments.

<sup>4</sup> No factory production reported.

Source: Bureau of the Census, Department of Commerce.

## No. 615.—WOOL: PRODUCTION, IMPORTS, AND EXPORTS OF THE UNITED STATES

NOTE.—All figures in thousands of pounds. Production, except Census data, is estimated and is for calendar years. Pulled wool is included beginning 1900 and was probably included for 1870 to 1899, though the exact basis of the estimates for these years is not known. Figures for 1839, 1849, and 1859 include only fleeces. Exports and imports for 1839 are for the fiscal year ended Sept. 30; for 1849 and 1859, fiscal years ended June 30; subsequently, calendar years. Imports and foreign exports prior to 1914 and domestic exports include hair of the Angora goat, alpaca, and other like animals.

| Yearly average or year | Production | Imports | Exports         |         | Year      | Production | Imports | Exports         |         |
|------------------------|------------|---------|-----------------|---------|-----------|------------|---------|-----------------|---------|
|                        |            |         | U.S. production | Foreign |           |            |         | U.S. production | Foreign |
| 1839.....              | 35,802     | 7,925   | -----           | 119     | 1907..... | 298,295    | 188,306 | 86              | 3,109   |
| 1849.....              | 52,517     | 17,869  | 160             | 47      | 1908..... | 311,138    | 142,559 | 169             | 6,985   |
| 1859.....              | 60,265     | 24,471  | 1,707           | 41      | 1909..... | 328,111    | 312,131 | 46              | 1,084   |
| 1870.....              | 162,000    | 54,450  | 48              | 1,966   | 1910..... | 321,363    | 180,135 | 48              | 9,055   |
| 1871-1880.....         | 186,275    | 67,789  | 152             | 4,099   | 1911..... | 318,548    | 155,923 | (9)             | 3,511   |
| 1881-1890.....         | 280,700    | 95,747  | 825             | 4,196   | 1912..... | 304,043    | 238,118 | (9)             | 1,816   |
| 1891-1895.....         | 300,409    | 156,736 | 1,596           | 3,726   | 1913..... | 296,175    | 151,814 | 77              | 3,860   |
| 1896-1900.....         | 271,835    | 172,448 | 2,712           | 5,965   | 1914..... | 290,192    | 256,501 | 235             | 6,342   |
| 1901-1905.....         | 208,713    | 181,649 | 237             | 3,250   | 1915..... | 285,726    | 402,611 | 8,158           | 2,081   |
| 1906-1910.....         | 311,564    | 208,995 | 140             | 4,929   | 1916..... | 288,490    | 442,650 | 3,919           | 2,128   |
| 1911-1915.....         | 208,937    | 240,993 | 12,857          | 3,522   | 1917..... | 281,892    | 416,137 | 1,827           | 1,272   |
| 1916-1920.....         | 262,205    | 899,980 | 3,568           | 4,276   | 1918..... | 298,870    | 447,426 | 407             | 452     |
| 1921-1925.....         | 262,606    | 334,153 | 999             | 12,779  | 1919..... | 298,258    | 438,782 | 2,840           | 5,134   |
| 1926-1930.....         | 363,855    | 248,762 | 300             | 6,064   | 1920..... | 293,788    | 254,905 | 8,845           | 12,393  |
| 1931-1935.....         | 431,506    | 134,780 | 122             | 2,270   | 1921..... | 290,223    | 316,605 | 1,927           | 1,552   |
| 1936.....              | 294,000    | 167,784 | 230             | 3,315   | 1922..... | 270,367    | 366,538 | 453             | 4,225   |
| 1893.....              | 248,538    | 111,752 | 229             | 6,778   | 1923..... | 272,668    | 388,345 | 535             | 23,557  |
| 1894.....              | 325,211    | 116,837 | 1,694           | 2,801   | 1924..... | 282,005    | 262,655 | 309             | 27,476  |
| 1895.....              | 294,297    | 248,989 | 5,707           | 3,015   | 1925..... | 300,003    | 330,646 | 273             | 7,087   |
| 1896.....              | 272,475    | 159,776 | 8,483           | 6,512   | 1926..... | 318,861    | 269,451 | 292             | 14,082  |
| 1897.....              | 250,153    | 366,839 | 1,055           | 2,184   | 1927..... | 339,504    | 264,507 | 323             | 10,710  |
| 1898.....              | 260,721    | 99,850  | 91              | 4,592   | 1928..... | 366,720    | 240,300 | 485             | 4,435   |
| 1899.....              | 272,191    | 105,868 | 3,511           | 13,402  | 1929..... | 382,295    | 277,214 | 239             | 2,380   |
| 1900.....              | 288,637    | 139,908 | 422             | 3,046   | 1930..... | 414,029    | 162,482 | 162             | 1,715   |
| 1901.....              | 302,502    | 124,964 | 97              | 3,326   | 1931..... | 442,401    | 157,800 | 274             | 1,089   |
| 1902.....              | 316,341    | 176,293 | 445             | 3,212   | 1932..... | 418,096    | 56,310  | 179             | 3,593   |
| 1903.....              | 287,450    | 173,694 | 384             | 3,267   | 1933..... | 438,352    | 416,985 | 19              | 478     |
| 1904.....              | 261,783    | 186,573 | 184             | 2,165   | 1934..... | 430,829    | 408,343 | 119             | 4,103   |
| 1905.....              | 295,488    | 246,821 | 72              | 4,278   | 1935..... | 430,663    | 420,461 | 20              | 2,029   |
| 1906.....              | 298,915    | 196,844 | 351             | 4,412   |           |            |         |                 |         |

<sup>1</sup> Average for fiscal years 1913 to 1915.

<sup>2</sup> Not reported separately in 1911; no exports in 1912.

<sup>3</sup> Exports for fiscal years ended June 30 of the year shown; calendar year data not available.

<sup>4</sup> Imports for consumption.

Sources: Production, 1839, 1849, 1859, Bureau of the Census; other years, reports of the Department of Agriculture; imports and exports, Bureau of Foreign and Domestic Commerce.

## No. 616.—WOOL: PRICES, VALUE OF IMPORTS, AND RECEIPTS AT BOSTON

|                                                                | 1910-1913, average | 1914-1920, average | 1921-1925, average | 1926-1930, average | 1931-1935, average | 1933    | 1934    | 1935    |
|----------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------|---------|---------|
| Prices (cents per pound):                                      |                    |                    |                    |                    |                    |         |         |         |
| Average United States farm price, unwashed.....                | 18                 | 38                 | 32                 | 30                 | 17                 | 21      | 22      | 19      |
| Ohio and Pennsylvania, fine clothing, unwashed, at Boston..... | 23                 | 46                 | 44                 | 35                 | 22                 | 22      | 27      | 24      |
| Territory, fine staple scoured, at Boston.....                 | 80                 | 127                | 126                | 108                | 67                 | 67      | 82      | 76      |
| Value of United States imports (thous. of dollars):            |                    |                    |                    |                    |                    |         |         |         |
| Clothing <sup>1</sup> .....                                    | 15,659             | 140,084            | 17,137             | 6,050              | 3,109              | 3,925   | 3,109   | 3,992   |
| Combing <sup>2</sup> .....                                     | 3,994              | 5,901              | 53,317             | 36,231             | 4,384              | 4,854   | 4,273   | 5,077   |
| Carpet.....                                                    | 13,540             | 25,380             | 29,675             | 34,300             | 12,997             | 12,541  | 11,173  | 23,314  |
| Receipts at Boston (thousands of pounds):                      |                    |                    |                    |                    |                    |         |         |         |
| Total.....                                                     | 290,150            | 424,336            | 364,125            | 322,111            | 265,208            | 317,754 | 205,055 | 272,970 |
| Domestic.....                                                  | 206,047            | 184,380            | 162,099            | 210,240            | 229,293            | 267,929 | 185,407 | 226,715 |
| Foreign.....                                                   | 84,103             | 239,956            | 202,026            | 111,871            | 35,915             | 49,825  | 19,648  | 46,255  |

<sup>1</sup> Owing to changes in tariff laws in 1922 much wool which was formerly brought in as "clothing" now comes in under "combing" classification.

<sup>2</sup> Imports for consumption beginning with 1933; general imports prior to 1933.

<sup>3</sup> Imports for consumption.

Sources: Prices and receipts, Bureau of Agricultural Economics, Department of Agriculture; imports, Bureau of Foreign and Domestic Commerce, Department of Commerce.



## No. 617.—WOOL: ESTIMATED PRODUCTION AND WEIGHT PER FLEECE

NOTE.—Only States with a production in 1934 or 1935 of over 2,500,000 pounds are shown separately

| State                                | Production in thousands of pounds |         |         |         |         |         |         |         | Average weight per fleece <sup>1</sup> (pounds)<br>1935 |
|--------------------------------------|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------------------------------------------------------|
|                                      | 1923                              | 1929    | 1930    | 1931    | 1932    | 1933    | 1934    | 1935    |                                                         |
| Shorn wool, United States total..... | 314,820                           | 327,795 | 352,129 | 376,301 | 350,996 | 374,152 | 370,329 | 364,693 | 8.0                                                     |
| New York.....                        | 3,095                             | 3,068   | 3,110   | 3,008   | 2,736   | 2,701   | 2,738   | 2,528   | 7.5                                                     |
| Pennsylvania.....                    | 2,898                             | 2,982   | 3,108   | 3,248   | 3,105   | 3,293   | 3,265   | 3,192   | 7.6                                                     |
| Ohio.....                            | 15,514                            | 15,633  | 15,957  | 17,638  | 17,638  | 18,450  | 19,338  | 19,996  | 8.6                                                     |
| Indiana.....                         | 4,402                             | 4,500   | 4,838   | 5,328   | 5,250   | 5,183   | 5,362   | 5,729   | 7.7                                                     |
| Illinois.....                        | 4,166                             | 4,514   | 4,815   | 5,151   | 5,107   | 5,461   | 5,188   | 5,525   | 7.6                                                     |
| Michigan.....                        | 8,774                             | 8,480   | 8,400   | 8,694   | 8,610   | 8,400   | 8,424   | 8,508   | 8.3                                                     |
| Wisconsin.....                       | 2,888                             | 2,888   | 3,225   | 3,205   | 3,145   | 2,993   | 2,900   | 3,049   | 7.4                                                     |
| Minnesota.....                       | 4,700                             | 5,372   | 6,115   | 6,591   | 6,638   | 6,814   | 7,137   | 7,099   | 7.7                                                     |
| Iowa.....                            | 6,320                             | 6,800   | 8,096   | 8,100   | 8,385   | 7,979   | 8,813   | 9,040   | 8.0                                                     |
| Missouri.....                        | 6,686                             | 6,699   | 6,865   | 7,405   | 7,229   | 7,733   | 8,196   | 8,869   | 7.1                                                     |
| North Dakota.....                    | 4,250                             | 5,287   | 6,264   | 7,012   | 7,636   | 7,056   | 7,056   | 8,556   | 8.6                                                     |
| South Dakota.....                    | 6,149                             | 7,003   | 7,794   | 8,520   | 8,798   | 9,200   | 10,080  | 9,217   | 8.2                                                     |
| Nebraska.....                        | 2,544                             | 2,685   | 3,000   | 2,991   | 2,814   | 3,191   | 2,730   | 3,029   | 7.6                                                     |
| Kansas.....                          | 2,710                             | 3,172   | 3,365   | 3,243   | 3,154   | 3,388   | 3,410   | 3,902   | 7.6                                                     |
| West Virginia.....                   | 2,646                             | 2,798   | 2,844   | 3,021   | 2,994   | 3,021   | 2,907   | 2,882   | 5.1                                                     |
| Kentucky.....                        | 3,807                             | 3,901   | 4,175   | 4,233   | 4,375   | 4,400   | 4,601   | 5,169   | 5.2                                                     |
| Texas.....                           | 40,120                            | 46,779  | 48,262  | 53,360  | 57,105  | 74,800  | 60,864  | 59,220  | 8.2                                                     |
| Montana.....                         | 20,070                            | 31,122  | 34,034  | 38,214  | 32,638  | 33,370  | 36,472  | 32,712  | 9.4                                                     |
| Idaho.....                           | 17,425                            | 18,155  | 18,150  | 19,415  | 19,600  | 17,372  | 18,445  | 18,667  | 9.0                                                     |
| Wyoming.....                         | 27,900                            | 28,502  | 29,702  | 30,000  | 31,613  | 29,808  | 33,212  | 30,153  | 9.6                                                     |
| Colorado.....                        | 11,300                            | 12,269  | 13,448  | 13,541  | 12,320  | 12,774  | 13,122  | 12,216  | 8.0                                                     |
| New Mexico.....                      | 14,824                            | 15,230  | 16,870  | 19,632  | 16,384  | 17,480  | 17,136  | 16,030  | 7.0                                                     |
| Arizona.....                         | 5,078                             | 5,820   | 5,640   | 5,620   | 5,220   | 4,988   | 4,980   | 4,779   | 5.9                                                     |
| Utah.....                            | 23,064                            | 20,655  | 24,440  | 24,228  | 18,840  | 19,900  | 20,856  | 19,125  | 8.5                                                     |
| Nevada.....                          | 8,923                             | 7,777   | 7,944   | 8,880   | 6,788   | 6,591   | 6,384   | 6,256   | 7.8                                                     |
| Washington.....                      | 5,635                             | 5,485   | 6,175   | 6,192   | 5,606   | 5,086   | 6,002   | 6,002   | 9.3                                                     |
| Oregon.....                          | 20,332                            | 19,531  | 21,420  | 22,000  | 18,144  | 18,785  | 19,836  | 19,688  | 8.7                                                     |
| California.....                      | 24,230                            | 24,735  | 25,779  | 20,065  | 24,219  | 24,032  | 21,876  | 26,462  | 7.6                                                     |
| Other States.....                    | 7,569                             | 7,924   | 8,290   | 8,471   | 8,371   | 8,344   | 8,300   | 8,659   | 5.0                                                     |
| Pulled wool <sup>2</sup> .....       | 51,900                            | 54,500  | 61,900  | 60,100  | 67,100  | 64,200  | 60,500  | 66,000  | -----                                                   |

<sup>1</sup> In States where sheep are shorn twice a year figures cover wool per head of sheep shorn.<sup>2</sup> Estimated from returns of plants pulling from 80 to 90 percent of all wool.

## No. 618.—WOOL CONSUMED IN MANUFACTURES: 1918 TO 1935

[All figures in millions and tenths of millions of pounds]

| Year      | Scoured basis <sup>1</sup> |                            |              | Greasy shorn basis <sup>2</sup> |              | Year      | Scoured basis <sup>1</sup> |                            |              | Greasy shorn basis <sup>2</sup> |              |
|-----------|----------------------------|----------------------------|--------------|---------------------------------|--------------|-----------|----------------------------|----------------------------|--------------|---------------------------------|--------------|
|           | Total                      | Apparel class <sup>3</sup> | Carpet class | Apparel class <sup>3</sup>      | Carpet class |           | Total                      | Apparel class <sup>3</sup> | Carpet class | Apparel class <sup>3</sup>      | Carpet class |
| 1918..... | 399.3                      | 371.2                      | 28.1         | 676.0                           | 39.0         | 1927..... | 354.1                      | 258.7                      | 95.4         | 551.1                           | 130.7        |
| 1919..... | 320.1                      | 283.1                      | 46.0         | 563.7                           | 53.9         | 1928..... | 333.2                      | 232.4                      | 100.8        | 511.9                           | 138.1        |
| 1920..... | 314.2                      | 264.3                      | 49.9         | 510.9                           | 69.3         | 1929..... | 368.1                      | 253.2                      | 114.9        | 554.7                           | 187.4        |
| 1921..... | 343.4                      | 299.7                      | 43.7         | 597.4                           | 60.7         | 1930..... | 263.2                      | 200.7                      | 62.5         | 447.9                           | 85.6         |
| 1922..... | 406.5                      | 312.8                      | 93.7         | 640.4                           | 130.1        | 1931..... | 311.0                      | 237.7                      | 73.3         | 545.2                           | 103.2        |
| 1923..... | 422.4                      | 311.3                      | 111.1        | 603.1                           | 162.2        | 1932..... | 230.1                      | 188.5                      | 41.6         | 439.8                           | 68.6         |
| 1924..... | 342.2                      | 249.7                      | 92.5         | 518.0                           | 126.7        | 1933..... | 317.1                      | 245.5                      | 71.6         | 572.2                           | 100.8        |
| 1925..... | 349.9                      | 251.7                      | 98.2         | 525.2                           | 134.5        | 1934..... | 229.7                      | 167.6                      | 62.1         | 381.4                           | 88.7         |
| 1926..... | 342.7                      | 254.7                      | 88.0         | 524.1                           | 120.5        | 1935..... | 402.5                      | 304.0                      | 98.5         | 713.3                           | 141.7        |

<sup>1</sup> "Scoured" wool plus "greasy" wool reduced to a scoured basis, assuming average yields varying with origin and grade.<sup>2</sup> Shorn wool reported "greasy" plus pulled wool reported "greasy" raised to a greasy shorn basis, and shorn and pulled wool reported "scoured" raised to a greasy shorn basis, conversion factors varying with origin and grade.<sup>3</sup> Wool regarded as more or less suitable for apparel purposes; formerly "Combing and clothing."<sup>4</sup> Figures for the last half of 1934 and for 1935 were reported for periods of four and five weeks; data shown for these years cover the 52 weeks ended Dec. 29, 1934, and Dec. 28, 1935, respectively.

Sources: Table 617, Bureau of Agricultural Economics, Department of Agriculture; table 618, Bureau of the Census, Department of Commerce.

# No. 619.—ANIMAL FOOD MANUFACTURING INDUSTRIES: CENSUS STATISTICS OF MATERIALS AND PRODUCTS

| Product                                              | Quantity (thousands of unit specified) |           |           |           | Value (thousands of dollars) |         |         |
|------------------------------------------------------|----------------------------------------|-----------|-----------|-----------|------------------------------|---------|---------|
|                                                      | Unit                                   | 1929      | 1931      | 1933      | 1929                         | 1931    | 1933    |
| <b>BUTTER, CHEESE, AND CONDENSED MILK</b>            |                                        |           |           |           |                              |         |         |
| Butter, cheese, condensed milk, etc., all industries |                                        |           |           |           | 1,039,550                    | 869,812 | 558,367 |
| Butter                                               | Pound                                  | 1,617,344 | 1,855,905 | 1,743,900 | 706,449                      | 440,954 | 358,169 |
| Cheese other than cottage, pot, and bakers'          | do                                     | 487,200   | 451,215   | 471,270   | 103,291                      | 62,948  | 53,677  |
| Cheese, cottage, pot, and bakers'                    | do                                     | 100,826   | 100,485   | 90,663    | 9,432                        | 7,267   | 5,370   |
| Condensed milk, sweetened                            | do                                     | 532,727   | 398,560   | 274,676   | 42,917                       | 23,913  | 14,818  |
| Evaporated milk, unsweetened                         | do                                     | 1,642,214 | 1,651,353 | 1,922,701 | 128,292                      | 90,063  | 61,635  |
| Condensed and evaporated buttermilk                  | do                                     | 135,787   | 100,375   | 61,554    | 4,197                        | 1,896   | 918     |
| Concentrated skim milk for stock feed                | do                                     |           |           | 22,021    |                              |         | 408     |
| Powdered milk, cream, etc.                           | do                                     | 288,592   | 371,414   | 342,829   | 24,480                       | 16,306  | 16,792  |
| Sugar of milk                                        | do                                     | 7,102     | 7,610     | 4,630     | 986                          | 706     | 436     |
| Ice-cream mix                                        | do                                     | 137,203   | 161,029   | 108,138   | 15,278                       | 13,493  | 8,848   |
| Dried and wet casein                                 | do                                     | 57,826    | 41,376    | 31,524    | 5,726                        | 2,266   | 2,560   |
| Other products                                       | do                                     | 7,459     |           |           | 892                          |         |         |

| Product                                                             | Quantity (thousands of unit specified) |           |                                                  |                                              | Value (thousands of dollars)                             |                                              |                                                          |
|---------------------------------------------------------------------|----------------------------------------|-----------|--------------------------------------------------|----------------------------------------------|----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|
|                                                                     | Unit                                   | 1929      | 1931<br>As published;<br>comparable with<br>1929 | 1931<br>Comparable with<br>1933 <sup>2</sup> | 1933<br>Reported on<br>standard<br>schedule <sup>2</sup> | 1931<br>Comparable with<br>1933 <sup>2</sup> | 1933<br>Reported on<br>standard<br>schedule <sup>2</sup> |
| <b>MEAT PACKING, WHOLESALE<sup>3</sup></b>                          |                                        |           |                                                  |                                              |                                                          |                                              |                                                          |
| <b>Animals slaughtered:</b>                                         |                                        |           |                                                  |                                              |                                                          |                                              |                                                          |
| Cattle                                                              | Number                                 | 9,543     | 9,308                                            | 8,767                                        | 8,995                                                    |                                              |                                                          |
| Calves                                                              | do                                     | 5,209     | 5,604                                            | 5,047                                        | 5,098                                                    |                                              |                                                          |
| Sheep and lambs                                                     | do                                     | 15,689    | 20,445                                           | 10,704                                       | 18,677                                                   |                                              |                                                          |
| Hogs                                                                | do                                     | 53,702    | 49,425                                           | 47,750                                       | 50,244                                                   |                                              |                                                          |
| Other animals                                                       | do                                     | 102       | 35                                               | 34                                           | 16                                                       |                                              |                                                          |
| All products, total value                                           |                                        |           |                                                  |                                              |                                                          | 2,085,006                                    | 1,424,088                                                |
| <b>Fresh meat:</b>                                                  |                                        |           |                                                  |                                              |                                                          |                                              |                                                          |
| Beef                                                                | Pound                                  | 9,844,680 | 9,888,653                                        | 9,426,518                                    | 9,329,905                                                | 1,122,346                                    | 721,737                                                  |
| Pork                                                                | do                                     | 4,576,492 | 4,652,908                                        | 4,321,933                                    | 4,381,808                                                | 516,927                                      | 344,477                                                  |
| Veal                                                                | do                                     | 511,103   | 530,366                                          | 487,418                                      | 495,543                                                  | 61,881                                       | 40,796                                                   |
| Mutton and lamb                                                     | do                                     | 601,719   | 771,578                                          | 748,731                                      | 719,028                                                  | 112,726                                      | 81,826                                                   |
| Pork                                                                | do                                     | 3,571,277 | 3,467,078                                        | 3,319,710                                    | 3,227,088                                                | 386,738                                      | 225,365                                                  |
| Other, including edible organs, etc.                                | do                                     | 585,069   | 566,723                                          | 553,727                                      | 505,899                                                  | 44,024                                       | 20,274                                                   |
| <b>Cured meat:</b>                                                  |                                        |           |                                                  |                                              |                                                          |                                              |                                                          |
| Beef                                                                | do                                     | 3,751,963 | 3,234,910                                        | 3,164,433                                    | 3,079,997                                                | 447,300                                      | 294,751                                                  |
| Pork                                                                | do                                     | 71,593    | 71,346                                           | 62,672                                       | 53,658                                                   | 11,167                                       | 7,316                                                    |
| Cooked hams <sup>4</sup>                                            | do                                     | 3,628,181 | 3,026,928                                        | 2,960,063                                    | 2,884,852                                                | 400,043                                      | 260,850                                                  |
| Canned meat, except sausage                                         | do                                     | 152,189   | 130,636                                          | 131,798                                      | 141,788                                                  | 36,089                                       | 26,554                                                   |
| Canned sausage                                                      | do                                     | 149,582   | 91,408                                           | 91,408                                       | 137,280                                                  | 21,180                                       | 18,930                                                   |
| Sausage (not canned), meat puddings, head cheese, etc. <sup>5</sup> | do                                     | 19,562    | 13,456                                           | 13,336                                       | 12,336                                                   | 2,438                                        | 1,709                                                    |
| Sausage casings <sup>6</sup>                                        | do                                     | 928,673   | 795,204                                          | 738,424                                      | 701,530                                                  | 117,559                                      | 81,897                                                   |
| Lard                                                                | do                                     | 116,392   | 70,947                                           | 70,077                                       | 90,880                                                   | 8,829                                        | 12,253                                                   |
| Oil and stock                                                       | do                                     | 2,041,211 | 1,749,798                                        | 1,708,139                                    | 1,872,193                                                | 146,213                                      | 102,432                                                  |
| Fertilizer materials                                                | do                                     | 113,231   | 99,192                                           | 99,192                                       | 77,536                                                   | 5,690                                        | 3,670                                                    |
| Cattle hides                                                        | Ton                                    | 185       | 115                                              | 107                                          | 89                                                       | 2,771                                        | 1,934                                                    |
| Calf skins                                                          | Pound                                  | 533,201   | 512,609                                          | 482,140                                      | 482,053                                                  | 35,931                                       | 36,002                                                   |
| Sheep and lamb pelts                                                | do                                     | 50,574    | 67,306                                           | 62,232                                       | 52,944                                                   | 7,257                                        | 6,483                                                    |
| Other hides and skins                                               | do                                     | 10,458    | 14,859                                           | 14,816                                       | 14,401                                                   | 8,104                                        | 11,809                                                   |
| Pickled sheep and lamb skins                                        | do                                     | 346       | 181                                              | 173                                          | 83                                                       | 164                                          | 47                                                       |
| Wool <sup>7</sup>                                                   | do                                     | 13,157    | 23,371                                           | 23,275                                       | 27,918                                                   | 1,900                                        | 2,652                                                    |
| All other products                                                  | do                                     | 36,907    | 43,930                                           | 43,771                                       | 49,425                                                   | 12,515                                       | 15,053                                                   |
|                                                                     |                                        |           |                                                  |                                              |                                                          | 144,894                                      | 112,070                                                  |

<sup>1</sup> Includes, besides production in the butter, cheese, and condensed-milk industries, data for similar products produced in establishments classified in other industries.

<sup>2</sup> See last paragraph of "General note", p. 732.

<sup>3</sup> Data relate to the "Meat-packing industry" only.

<sup>4</sup> In 1929, 13,124,000 pounds of cooked hams valued at \$4,769,000, and in 1931, 20,206,000 pounds valued at \$7,356,000 were produced in other industries. No corresponding data were collected for 1933.

<sup>5</sup> Production in the "Sausage, meat pudding, head cheese, etc., and sausage-casings industry" and other industries was as follows—sausage, meat puddings, etc.; 1929, 384,469,000 pounds valued at \$88,586,000; 1931, 422,296,000 pounds valued at \$69,905,000; sausage casings; 1929, 59,836,000 pounds valued at \$10,769,000; 1931, 29,471,000 pounds valued at \$4,538,000. No corresponding data for 1933; for value of total products of the "Sausage, meat pudding, head cheese, etc., and sausage-casings industry" see p. 788.

<sup>6</sup> Wool detached from sheep pelts in meat-packing establishments.

Source: Bureau of the Census, Department of Commerce.

## 28.—FARM CROPS AND FOODSTUFFS

[In general, data in this section other than on foreign trade relate to continental United States, while foreign trade statistics represent the trade of the customs area (see note, Table 484). Any exceptions are noted. For weights of the units of measurement for the principal products see Appendix, p. 819]

### No. 620.—INDEX OF CROP PRODUCTION: 12 IMPORTANT CROPS, 1866 TO 1935

NOTE.—Average production of 1910-14 equals 100. Index is based on production of wheat, corn, oats, barley, rye, buckwheat, flaxseed, potatoes, sweetpotatoes, cotton, tame hay, and tobacco. Production of the different crops for each year is multiplied by a constant price, and the aggregate is divided by the average aggregate of base years

| Period or year | Index | Period or year | Index | Year | Index | Year | Index |
|----------------|-------|----------------|-------|------|-------|------|-------|
| 1866-1870      | 30    | 1926-1930      | 108   | 1912 | 110   | 1924 | 106   |
| 1871-1875      | 39    | 1931-1935      | 94    | 1913 | 95    | 1925 | 109   |
| 1876-1880      | 51    | 1902           | 96    | 1914 | 105   | 1926 | 108   |
| 1881-1885      | 59    | 1903           | 90    | 1915 | 111   | 1927 | 110   |
| 1886-1890      | 67    | 1904           | 97    | 1916 | 97    | 1928 | 114   |
| 1891-1895      | 73    | 1905           | 101   | 1917 | 106   | 1929 | 107   |
| 1896-1900      | 85    | 1906           | 104   | 1918 | 105   | 1930 | 100   |
| 1901-1905      | 92    | 1907           | 98    | 1919 | 106   | 1931 | 110   |
| 1906-1910      | 97    | 1908           | 96    | 1920 | 116   | 1932 | 108   |
| 1911-1915      | 103   | 1909           | 90    | 1921 | 101   | 1933 | 89    |
| 1916-1920      | 106   | 1910           | 99    | 1922 | 106   | 1934 | 86    |
| 1921-1925      | 105   | 1911           | 93    | 1923 | 100   | 1935 | 95    |

### No. 621.—INDEX NUMBERS OF CROP YIELDS

NOTE.—Index numbers each year prior to 1929 are relative to the average yield for the 10 preceding years; for 1929 to 1932, relative to the average of the years 1919-28; for 1933, 1934, and 1935, relative to the average of the years 1921-30; data for the several States are weighted according to average crop values

| Year | United States | North Atlantic | North Central | South Atlantic | South Central | Western |
|------|---------------|----------------|---------------|----------------|---------------|---------|
| 1916 | 95.1          | 108.9          | 92.6          | 102.0          | 88.0          | 97.7    |
| 1917 | 102.0         | 104.0          | 107.3         | 100.7          | 93.0          | 91.2    |
| 1918 | 97.6          | 101.2          | 103.6         | 100.3          | 83.6          | 85.3    |
| 1919 | 99.8          | 104.8          | 100.4         | 93.1           | 105.5         | 88.5    |
| 1920 | 106.9         | 107.9          | 109.8         | 100.4          | 107.4         | 96.9    |
| 1921 | 91.7          | 90.3           | 92.9          | 80.8           | 92.9          | 98.3    |
| 1922 | 96.7          | 104.1          | 103.0         | 84.4           | 89.9          | 95.5    |
| 1923 | 96.1          | 100.3          | 101.0         | 90.6           | 82.8          | 106.8   |
| 1924 | 98.1          | 107.3          | 102.7         | 88.4           | 97.6          | 86.2    |
| 1925 | 99.6          | 104.3          | 97.8          | 91.0           | 92.4          | 103.9   |
| 1926 | 104.6         | 105.1          | 91.9          | 108.4          | 121.5         | 103.2   |
| 1927 | 102.5         | 102.8          | 101.7         | 98.3           | 99.3          | 111.6   |
| 1928 | 103.5         | 102.1          | 106.1         | 97.2           | 99.7          | 109.7   |
| 1929 | 96.0          | 96.5           | 86.2          | 101.1          | 98.1          | 92.8    |
| 1930 | 91.7          | 100.0          | 88.9          | 101.2          | 82.5          | 103.4   |
| 1931 | 102.0         | 112.1          | 93.4          | 116.5          | 120.4         | 87.3    |
| 1932 | 98.6          | 100.0          | 101.2         | 88.0           | 99.7          | 97.9    |
| 1933 | 95.0          | 98.5           | 79.5          | 112.1          | 113.0         | 92.1    |
| 1934 | 81.2          | 99.1           | 60.0          | 113.0          | 92.4          | 87.7    |
| 1935 | 101.7         | 106.8          | 95.8          | 118.0          | 106.1         | 97.2    |

#### BY STATES, 1935

| State           | Index number | State              | Index number | State              | Index number |
|-----------------|--------------|--------------------|--------------|--------------------|--------------|
| North Atlantic: |              | North Central—Con. |              | South Central—Con. |              |
| Maine           | 95.6         | North Dakota       | 80.3         | Mississippi        | 117.5        |
| New Hampshire   | 98.3         | South Dakota       | 79.6         | Arkansas           | 105.0        |
| Vermont         | 100.2        | Nebraska           | 77.0         | Louisiana          | 119.4        |
| Massachusetts   | 102.7        | Kansas             | 65.3         | Oklahoma           | 84.4         |
| Rhode Island    | 108.6        | South Atlantic:    |              | Texas              | 104.3        |
| Connecticut     | 105.1        | Delaware           | 111.4        | Western:           |              |
| New York        | 106.2        | Maryland           | 109.4        | Montana            | 73.5         |
| New Jersey      | 115.3        | Virginia           | 115.6        | Idaho              | 100.6        |
| Pennsylvania    | 111.0        | West Virginia      | 108.5        | Wyoming            | 95.8         |
| North Central:  |              | North Carolina     | 117.1        | Colorado           | 90.5         |
| Ohio            | 120.1        | South Carolina     | 129.1        | New Mexico         | 107.0        |
| Indiana         | 108.1        | Georgia            | 129.6        | Arizona            | 118.0        |
| Illinois        | 106.0        | Florida            | 80.4         | Utah               | 95.4         |
| Michigan        | 119.7        | South Central:     |              | Nevada             | 100.3        |
| Wisconsin       | 107.0        | Kentucky           | 102.1        | Washington         | 105.1        |
| Minnesota       | 103.8        | Tennessee          | 99.4         | Oregon             | 90.2         |
| Iowa            | 98.5         | Alabama            | 126.3        | California         | 102.0        |
| Missouri        | 92.0         |                    |              |                    |              |

Source of tables 620 and 621: Bureau of Agricultural Economics, Department of Agriculture.

## No. 622—PRODUCTION OF SELECTED AGRICULTURAL COMMODITIES

NOTE.—Data are for the crop or growth year. Blank lines indicate that data are not available. The weight of a bushel of wheat is 60 pounds, a bushel of corn, 56 pounds

| Year | Corn             | Wheat            | Rice <sup>1</sup><br>(in terms<br>of cleaned) | Sugar                        |                          | Cotton <sup>2</sup>           |                                 | Tobacco         |
|------|------------------|------------------|-----------------------------------------------|------------------------------|--------------------------|-------------------------------|---------------------------------|-----------------|
|      |                  |                  |                                               | Beet<br>(chiefly<br>refined) | Cane<br>(chiefly<br>raw) | Running<br>bales <sup>3</sup> | 500-pound<br>bales <sup>4</sup> |                 |
|      | 1,000<br>bushels | 1,000<br>bushels | 1,000<br>pounds                               | 1,000<br>pounds              | 1,000<br>pounds          | Thousands                     | Thousands                       | 1,000<br>pounds |
| 1800 |                  |                  | 87,234                                        |                              |                          | 154                           | 73                              |                 |
| 1810 |                  |                  | 78,806                                        |                              |                          | 286                           | 178                             |                 |
| 1820 |                  |                  | 63,292                                        |                              |                          | 676                           | 336                             |                 |
| 1830 |                  |                  | 81,862                                        |                              |                          | 1,026                         | 732                             |                 |
| 1840 | 377,682          | 84,823           | 84,253                                        |                              | 120,851                  | 1,635                         | 1,348                           | 219,163         |
| 1850 | 602,071          | 100,488          | 102,776                                       |                              | 247,577                  | 2,454                         | 2,136                           | 199,753         |
| 1860 | 838,979          | 173,105          | 106,279                                       |                              | 274,725                  | 3,849                         | 3,841                           | 434,209         |
| 1870 | 1,124,775        | 254,429          | 54,889                                        | 7,896                        | 178,304                  | 4,352                         | 4,025                           | 345,045         |
| 1875 | 1,450,276        | 313,728          | 83,861                                        | 7,224                        | 172,480                  | 4,631                         | 4,302                           | 609,455         |
| 1880 | 1,706,673        | 502,257          | 111,869                                       | 7,120                        | 285,302                  | 6,606                         | 6,367                           | 469,396         |
| 1885 | 2,057,807        | 399,931          | 150,195                                       | 1,844                        | 302,754                  | 8,576                         | 8,369                           | 610,500         |
| 1890 | 1,650,446        | 449,042          | 136,800                                       | 7,748                        | 497,170                  | 8,653                         | 8,562                           | 647,535         |
| 1891 | 2,335,714        | 677,643          | 155,666                                       | 12,004                       | 370,580                  | 9,035                         | 8,941                           | 747,460         |
| 1892 | 1,897,412        | 611,854          | 237,547                                       | 27,084                       | 498,456                  | 8,700                         | 6,658                           | 756,845         |
| 1893 | 1,900,401        | 505,795          | 122,885                                       | 45,192                       | 610,826                  | 7,493                         | 7,433                           | 766,670         |
| 1894 | 1,615,016        | 541,873          | 109,821                                       | 45,006                       | 729,394                  | 9,901                         | 10,026                          | 766,870         |
| 1895 | 2,534,762        | 542,119          | 168,665                                       | 65,452                       | 543,636                  | 7,162                         | 7,147                           | 745,000         |
| 1896 | 2,671,048        | 522,963          | 96,886                                        | 84,080                       | 644,178                  | 8,533                         | 8,516                           | 700,035         |
| 1897 | 2,286,628        | 606,202          | 116,302                                       | 90,492                       | 708,252                  | 10,989                        | 10,986                          | 703,275         |
| 1898 | 2,351,323        | 768,148          | 138,991                                       | 72,736                       | 568,788                  | 11,278                        | 11,526                          | 909,090         |
| 1899 | 2,645,796        | 655,143          | 219,278                                       | 163,458                      | 622,548                  | 9,383                         | 9,346                           | 870,260         |
| 1900 | 2,601,978        | 599,135          | 253,139                                       | 172,164                      | 633,772                  | 10,102                        | 10,124                          | 851,980         |
| 1901 | 1,715,752        | 782,646          | 388,035                                       | 369,212                      | 728,650                  | 9,583                         | 9,508                           | 855,550         |
| 1902 | 2,773,954        | 686,959          | 318,293                                       | 436,812                      | 746,806                  | 10,688                        | 10,630                          | 959,506         |
| 1903 | 2,515,093        | 663,115          | 580,750                                       | 481,205                      | 556,140                  | 9,820                         | 9,851                           | 976,375         |
| 1904 | 2,656,624        | 555,571          | 585,005                                       | 484,226                      | 529,990                  | 13,461                        | 13,438                          | 856,595         |
| 1905 | 2,964,148        | 706,026          | 377,975                                       | 625,842                      | 751,204                  | 10,495                        | 10,576                          | 938,985         |
| 1906 | 3,032,910        | 740,509          | 495,976                                       | 967,224                      | 544,320                  | 12,383                        | 13,274                          | 972,510         |
| 1907 | 2,613,797        | 628,764          | 520,504                                       | 927,256                      | 758,480                  | 11,058                        | 11,106                          | 885,620         |
| 1908 | 2,606,742        | 642,818          | 608,060                                       | 851,768                      | 828,800                  | 13,086                        | 13,241                          | 835,645         |
| 1909 | 2,611,157        | 683,927          | 572,421                                       | 1,024,938                    | 663,452                  | 10,773                        | 10,005                          | 1,053,818       |
| 1910 | 2,852,794        | 625,476          | 680,839                                       | 1,020,344                    | 710,080                  | 11,568                        | 11,609                          | 1,142,320       |
| 1911 | 2,474,635        | 618,166          | 637,061                                       | 1,199,000                    | 721,748                  | 15,553                        | 15,994                          | 940,935         |
| 1912 | 2,047,842        | 730,011          | 695,950                                       | 1,385,112                    | 325,147                  | 13,489                        | 13,703                          | 1,117,415       |
| 1913 | 2,272,540        | 751,101          | 715,117                                       | 1,466,802                    | 601,075                  | 13,983                        | 14,153                          | 991,065         |
| 1914 | 2,523,750        | 897,487          | 656,922                                       | 1,444,108                    | 493,240                  | 15,906                        | 16,112                          | 1,036,745       |
| 1915 | 2,829,044        | 1,008,637        | 804,090                                       | 1,748,440                    | 277,240                  | 11,068                        | 11,172                          | 1,167,425       |
| 1916 | 2,425,206        | 684,672          | 1,135,037                                     | 1,641,314                    | 621,799                  | 11,364                        | 11,448                          | 1,206,785       |
| 1917 | 2,908,242        | 919,790          | 964,980                                       | 1,530,414                    | 401,680                  | 11,248                        | 11,284                          | 1,325,530       |
| 1918 | 2,441,249        | 904,130          | 1,072,397                                     | 1,521,900                    | 568,800                  | 11,906                        | 12,018                          | 1,444,505       |
| 1919 | 2,678,541        | 952,097          | 1,185,815                                     | 1,452,902                    | 244,250                  | 11,326                        | 11,411                          | 1,444,206       |
| 1920 | 3,070,604        | 845,277          | 1,434,878                                     | 2,175,000                    | 352,228                  | 13,271                        | 13,429                          | 1,506,212       |
| 1921 | 2,928,442        | 818,954          | 1,090,953                                     | 2,041,000                    | 655,399                  | 9,728                         | 7,945                           | 1,004,928       |
| 1922 | 2,707,306        | 846,649          | 1,157,315                                     | 1,850,000                    | 561,470                  | 9,799                         | 9,799                           | 1,254,304       |
| 1923 | 2,875,282        | 736,482          | 923,283                                       | 1,762,000                    | 326,648                  | 10,171                        | 10,140                          | 1,517,583       |
| 1924 | 2,223,123        | 841,617          | 905,368                                       | 2,180,000                    | 176,965                  | 13,639                        | 13,639                          | 1,244,928       |
| 1925 | 2,798,397        | 698,700          | 900,341                                       | 1,828,000                    | 278,763                  | 16,123                        | 16,105                          | 1,376,008       |
| 1926 | 2,546,972        | 832,213          | 1,150,426                                     | 1,794,000                    | 54,332                   | 17,755                        | 17,978                          | 1,289,272       |
| 1927 | 2,610,120        | 875,059          | 1,233,954                                     | 2,186,000                    | 141,587                  | 12,733                        | 12,956                          | 1,211,311       |
| 1928 | 2,665,516        | 914,373          | 1,206,510                                     | 2,122,000                    | 204,106                  | 14,267                        | 14,477                          | 1,373,214       |
| 1929 | 2,521,032        | 823,217          | 1,098,175                                     | 2,036,000                    | 427,218                  | 14,548                        | 14,825                          | 1,532,625       |
| 1930 | 2,080,437        | 886,470          | 1,248,058                                     | 2,416,000                    | 420,136                  | 13,756                        | 13,932                          | 1,648,229       |
| 1931 | 2,573,265        | 936,831          | 1,239,260                                     | 2,312,000                    | 360,434                  | 16,629                        | 17,937                          | 1,564,487       |
| 1932 | 2,925,871        | 756,927          | 1,166,093                                     | 2,714,000                    | 528,722                  | 12,710                        | 13,003                          | 1,017,317       |
| 1933 | 2,395,525        | 551,683          | 1,045,869                                     | 3,284,000                    | 502,352                  | 12,664                        | 13,049                          | 1,371,131       |
| 1934 | 1,478,027        | 526,393          | 1,084,648                                     | 2,320,000                    | 523,354                  | 9,472                         | 9,636                           | 1,081,629       |
| 1935 | 2,291,629        | 623,444          | 1,050,231                                     | 2,370,000                    | 760,954                  | 10,420                        | 10,638                          | 1,296,810       |

<sup>1</sup> Figures for 1800 to 1903 represent commercial movement, as given by Dan Talmage's Sons Co.

<sup>2</sup> Figures for the years 1810 to 1865 include linters; excluded in subsequent years.

<sup>3</sup> Beginning 1899, ginings as reported by Bureau of the Census. Figures for some years include small amounts of Lower California, Mexico, cotton ginned in United States. Round bales counted as half bales.

<sup>4</sup> Gross weight. Figures prior to 1899 compiled by Bureau of the Census from data published by Department of Agriculture. See also note 6, table 624, p. 634.

<sup>5</sup> Exports.

<sup>6</sup> Census figures for the previous year.

<sup>7</sup> Figures shown for 1870, 1875, and 1880 represent the estimated average production for 1863-71, 1874-77, and 1880-82, respectively.

<sup>8</sup> Louisiana only for 1924 to 1928; Louisiana and Florida beginning 1929.

<sup>9</sup> All figures except cotton and sugar production are preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture, except as noted.

No. 623.—ACREAGE, PRODUCTION, AND VALUE OF ALL CROPS IN THE UNITED STATES: CENSUS STATISTICS, 1909 TO 1934

NOTE.—Leaders indicate that data are not available. Tons are of 2,000 pounds

| Crop                                          | Acreage (thousands) |          |          |          | Production in thousands of units indicated |             |             |                  |             | Value in thousands of dollars |             |             |
|-----------------------------------------------|---------------------|----------|----------|----------|--------------------------------------------|-------------|-------------|------------------|-------------|-------------------------------|-------------|-------------|
|                                               | 1909                | 1919     | 1929     | 1934     | Unit                                       | 1909        | 1919        | 1929             | 1934        | 1919                          | 1929        | 1934        |
| All Crops                                     | 311, 195            | 348, 549 | 361, 945 |          |                                            |             |             |                  |             | 14, 754, 978                  | 8, 077, 812 |             |
| Cereals                                       | 191, 470            | 219, 138 | 202, 218 | 141, 234 | Bushel                                     | 4, 513, 398 | 4, 882, 784 | 4, 390, 013      | 2, 344, 696 | 6, 943, 896                   | 3, 170, 692 | 1, 764, 071 |
| Corn harvested for grain                      | 98, 383             | 87, 772  | 83, 161  | 62, 247  | do.                                        | 2, 552, 190 | 2, 345, 833 | 2, 130, 752      | 1, 169, 438 | 3, 507, 797                   | 1, 635, 910 | 962, 549    |
| Wheat                                         | 44, 263             | 73, 099  | 62, 000  | 41, 943  | do.                                        | 683, 379    | 945, 403    | 800, 649         | 513, 213    | 2, 074, 079                   | 838, 506    | 440, 603    |
| Oats threshed for grain                       | 35, 159             | 37, 991  | 33, 466  | 24, 589  | do.                                        | 1, 007, 143 | 1, 055, 183 | 992, 747         | 458, 780    | 855, 256                      | 410, 167    | 215, 907    |
| Barley                                        | 7, 699              | 6, 473   | 12, 891  | 6, 193   | do.                                        | 173, 344    | 122, 025    | 263, 590         | 110, 042    | 190, 427                      | 140, 982    | 74, 071     |
| Rye                                           | 2, 196              | 7, 679   | 3, 033   | 1, 914   | do.                                        | 29, 520     | 75, 992     | 34, 303          | 16, 234     | 116, 538                      | 29, 343     | 11, 782     |
| Buckwheat                                     | 878                 | 743      | 622      |          | do.                                        | 14, 849     | 12, 690     | 8, 359           |             | 19, 715                       | 8, 023      |             |
| Emmer and spelt                               | 574                 | 187      | 344      |          | do.                                        | 12, 703     | 2, 608      | 6, 223           |             | 3, 700                        | 2, 726      |             |
| Sorghums harvested for grain <sup>3</sup>     | 1, 708              | 3, 726   | 3, 522   | 2, 370   | do.                                        | 18, 431     | 73, 654     | 49, 080          | 18, 599     | 92, 524                       | 32, 640     | 17, 360     |
| Rice (rough)                                  | 610                 | 911      | 741      | 706      | do.                                        | 21, 839     | 35, 331     | 38, 469          | 32, 958     | 97, 195                       | 32, 933     | 25, 530     |
| Mixed grains                                  |                     | 577      | 2, 438   | 1, 272   | do.                                        |             | 14, 065     | 70, 831          | 25, 432     | 16, 605                       | 39, 462     | 16, 269     |
| Other grains and seeds                        | 5, 064              | 4, 596   | 13, 313  |          |                                            |             |             |                  |             | 273, 785                      | 234, 194    |             |
| Dry edible beans                              | 803                 | 1, 162   | 1, 746   | 1, 488   | Bushel                                     | 11, 251     | 14, 079     | 20, 354          | 18, 697     | 61, 795                       | 77, 098     | 39, 419     |
| Soybeans                                      | 2                   | 113      | 1, 962   | 5, 692   | do.                                        | 17          | 1, 085      | 8, 661           | 23, 015     | 4, 450                        | 14, 446     | 23, 210     |
| Cowpeas                                       |                     |          | 775      | 2, 711   | do.                                        |             |             | 3, 274           | 6, 162      |                               | 7, 366      | 9, 103      |
| Other dry peas                                | 1, 305              | 866      | 256      |          | do.                                        | 7, 129      | 5, 743      | 8, 281           |             | 20, 791                       | 7, 444      |             |
| Peanuts                                       | 870                 | 1, 125   | 1, 559   | 2, 016   | do.                                        | 19, 416     | 27, 450     | 36, 588          | 44, 260     | 62, 752                       | 28, 433     | 38, 593     |
| Flaxseed                                      | 2, 083              | 1, 261   | 2, 966   | 998      | do.                                        | 19, 513     | 6, 653      | 15, 046          | 5, 598      | 29, 361                       | 43, 105     | 9, 531      |
| All clover seed                               |                     |          | 2, 518   |          | do.                                        | 1, 026      |             | 4, 042           |             | 55, 417                       | 31, 137     |             |
| Alfalfa seed                                  |                     |          | 525      |          | do.                                        | 263         | 2, 044      | 989              |             | 13, 674                       | 11, 314     |             |
| Timothy seed                                  |                     |          | 454      |          | do.                                        | 2, 579      | 2, 587      | 1, 396           |             | 3, 683                        | 2, 788      |             |
| Millet seed                                   |                     |          | 34       |          | do.                                        | 588         | 1, 311      | 449              |             | 8, 070                        | 424         |             |
| Other grass seed                              |                     |          | 346      |          | do.                                        | 1, 915      | 1, 909      | 1, 831           |             | 13, 772                       | 2, 831      |             |
| Miscellaneous grains and seeds                | 21                  | 70       | 178      |          | do.                                        |             |             |                  |             |                               | 7, 768      |             |
| Hay, and sorghums for forage                  |                     | 77, 527  | 72, 184  | 70, 534  | Ton                                        |             | 98, 269     | 91, 680          | 69, 537     | 2,066, 003                    | 1, 043, 180 | 935, 495    |
| All hay                                       | 63, 227             | 72, 780  | 67, 828  | 68, 625  | do.                                        | 87, 216     | 90, 356     | 85, 281          | 62, 084     | 1, 953, 149                   | 988, 437    | 862, 064    |
| Sorghums for forage (silage, hay, fodder)     |                     | 4, 747   | 4, 356   | 7, 909   | do.                                        |             | 7, 913      | 6, 399           | 7, 453      | 112, 854                      | 54, 743     | 73, 431     |
| Corn cut for silage and root crops for forage | 4, 176              | 4, 092   | 4, 020   |          | do.                                        | 10, 539     | 30, 281     | 29, 344          |             | 250, 112                      | 143, 026    |             |
| Corn cut for fodder                           |                     | 14, 503  | 6, 264   |          | do.                                        |             | 17, 794     |                  |             | 206, 935                      |             |             |
| Vegetables                                    | 7, 073              | 5, 479   | 8, 406   |          |                                            |             |             |                  |             | 1, 266, 721                   | 1, 004, 568 |             |
| Potatoes (Irish or white)                     | 3, 669              | 3, 252   | 2, 944   | 3, 582   | Bushel                                     | 389, 195    | 290, 428    | 322, 416         | 403, 420    | 639, 441                      | 414, 833    | 192, 469    |
| Sweet potatoes and yams                       | 641                 | 803      | 650      | 967      | do.                                        | 59, 232     | 78, 092     | 65, 193          | 77, 983     | 124, 844                      | 67, 725     | 63, 067     |
| Other vegetables <sup>7</sup>                 | 2, 763              | 1, 424   | 2, 812   |          |                                            |             |             |                  |             | 534, 436                      | 522, 010    |             |
| Sugar crops                                   |                     |          |          |          |                                            |             |             |                  |             | 162, 439                      | 88, 903     |             |
| Sugar cane <sup>8</sup>                       | 477                 | 373      | 302      | 414      | Ton                                        | 6, 240      | 3, 545      | ( <sup>9</sup> ) | 4, 839      | 59, 500                       | 23, 333     | 19, 160     |
| Sorghums grown for sirup                      | 326                 | 482      | 130      |          | Gal.                                       | 16, 532     | 21, 523     | 8, 294           |             | 24, 506                       | 7, 341      |             |
| Sugar beets for sugar                         | 300                 | 636      | 644      | 747      | Ton                                        | 3, 902      | 5, 993      | 7, 135           | 7, 319      | 66, 052                       | 51, 037     | 37, 105     |
| Maple sirup and sugar                         |                     |          |          |          |                                            |             |             |                  |             | 12, 381                       | 5, 192      |             |

|                                   |        |        |        |        |                    |           |           |           |           |           |           |         |
|-----------------------------------|--------|--------|--------|--------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| Other crops.....                  | 33,730 | 35,977 | 53,058 |        |                    |           |           |           |           | 2,820,188 | 1,739,543 |         |
| Tobacco.....                      | 1,295  | 1,861  | 1,888  | 1,237  | Pound..            | 1,055,765 | 1,371,504 | 1,456,510 | 1,021,449 | 443,705   | 265,887   | 216,672 |
| Cotton including cottonseed.....  | 32,044 | 33,740 | 43,228 | 26,754 |                    |           |           |           |           | 2,355,169 | 1,458,435 |         |
| Lint cotton.....                  |        |        |        |        | Bale <sup>10</sup> | 10,649    | 11,376    | 14,574    | 9,472     | 2,007,430 | 1,248,663 | 601,799 |
| Cottonseed (estimated).....       |        |        |        |        | Ton.....           | 5,325     | 5,328     | 6,915     |           | 347,739   | 209,772   |         |
| Broom corn.....                   | 326    | 338    | 312    |        | Pound..            | 78,960    | 113,031   | 95,196    |           | 7,645     | 5,676     |         |
| Hops.....                         | 45     | 16     | 23     |        | do.....            | 40,719    | 19,761    | 31,237    |           | 10,365    | 3,749     |         |
| Miscellaneous crops.....          | 20     | 22     | 7,607  |        |                    |           |           |           |           | 2,984     | 5,796     |         |
| Small fruits.....                 | 272    | 249    | 387    |        | Quart..            | 426,666   | 324,989   | 475,071   |           | 61,732    | 63,811    |         |
| Strawberries.....                 | 143    | 120    | 243    | 227    | do.....            | 255,702   | 176,932   | 330,872   | 253,719   | 36,004    | 43,167    | 22,717  |
| Raspberries.....                  | 49     | 50     | 57     |        | do.....            | 60,013    | 49,210    | 53,730    |           | 11,596    | 9,897     |         |
| Loganberries.....                 |        | 4      | 4      |        | do.....            |           | 12,123    | 8,292     |           | 1,790     | 681       |         |
| Blackberries and dewberries.....  | 49     | 46     | 44     |        | do.....            | 55,344    | 39,945    | 38,563    |           | 7,118     | 4,383     |         |
| Cranberries.....                  | 18     | 17     | 12     |        | do.....            | 38,243    | 35,260    | 30,393    |           | 3,198     | 3,783     |         |
| Currents.....                     | 8      | 7      | 3      |        | do.....            | 10,449    | 7,615     | 4,689     |           | 1,422     | 644       |         |
| Other berries.....                | 5      | 5      | 24     |        | do.....            | 5,910     | 3,904     | 8,512     |           | 604       | 1,278     |         |
| Orchard fruits.....               |        |        |        |        |                    |           |           |           |           | 433,910   | 299,050   |         |
| Apples.....                       |        |        |        |        | Bushel..           | 145,412   | 136,561   | 126,433   | 124,237   | 241,574   | 158,947   | 113,282 |
| Peaches.....                      |        |        |        |        | do.....            | 35,470    | 50,696    | 42,827    | 44,748    | 95,570    | 54,890    | 36,340  |
| Pears.....                        |        |        |        |        | do.....            | 8,841     | 14,204    | 18,500    | 25,629    | 26,440    | 30,196    | 18,744  |
| Plums and prunes.....             |        |        |        |        | do.....            | 15,480    | 19,084    | 20,038    | 23,297    | 40,984    | 18,646    | 19,853  |
| Cherries.....                     |        |        |        |        | do.....            | 4,126     | 3,946     | 4,067     | 5,442     | 14,166    | 17,004    | 9,779   |
| Figs.....                         |        |        |        |        | Pound..            | 35,060    | 26,877    | 133,645   |           | 2,812     | 6,628     |         |
| Apricots.....                     |        |        |        |        | Bushel..           | 4,160     | 6,130     | 7,100     |           | 12,223    | 12,624    |         |
| All other.....                    |        |        |        |        | do.....            | 494       | 71        | 145       |           | 141       | 215       |         |
| Grapes.....                       |        |        |        |        | Pound..            | 2,265,065 | 2,516,840 | 3,883,397 | 3,730,280 | 96,586    | 56,169    | 38,115  |
| Subtropical fruits.....           |        |        |        |        |                    |           |           |           |           | 119,057   | 217,447   |         |
| Oranges <sup>11</sup> .....       |        |        |        |        | Box.....           | 19,487    | 27,833    | 53,731    | 70,482    | 88,663    | 148,473   | 113,738 |
| Lemons.....                       |        |        |        |        | do.....            | 2,770     | 6,585     | 9,338     |           | 19,102    | 43,219    |         |
| Grapefruit (pomelos).....         |        |        |        |        | do.....            | 1,189     | 3,656     | 8,722     | 19,495    | 7,177     | 22,732    | 19,693  |
| All other.....                    |        |        |        |        |                    |           |           |           |           | 2,115     | 3,023     |         |
| Nuts.....                         |        |        |        |        |                    |           |           |           |           | 28,714    | 19,230    |         |
| Pecans.....                       |        |        |        |        | Pound..            | 9,891     | 31,809    | 26,151    |           | 7,792     | 4,404     |         |
| Walnuts (Persian or English)..... |        |        |        |        | do.....            | 22,027    | 59,840    | 78,160    |           | 17,916    | 12,460    |         |
| Almonds.....                      |        |        |        |        | do.....            | 6,794     | 18,853    | 9,403     |           | 3,963     | 2,237     |         |
| Coconuts.....                     |        |        |        |        | Number             | 17        | 613       | 1         |           | 43        | (13)      |         |
| All other.....                    |        |        |        |        | Pound..            | 23,617    |           | 690       |           |           | 80        |         |

<sup>1</sup> Excluding 14,502,632 acres reported for corn cut for fodder, a large part of which is duplicated in the acreage shown for corn harvested as grain.

<sup>2</sup> Including land in fruit orchards, vineyards, and planted nut trees (6,086,176 acres) which was not reported in 1919; excluding acreage of annual legumes saved for hay (3,067,710 acres) which is practically all duplicated in the acreage shown for the various individual annual legumes grown alone.

<sup>3</sup> Published as "Kafir and millo" prior to 1929; figures include sorghum seed.

<sup>4</sup> Acreage grown alone. Not all harvested for grain or seed as acreage also includes that for hay and that which was grazed. Some grain or seed harvested from acreage grown with other crops. <sup>5</sup> Does not include sorghum for silage.

<sup>6</sup> Silage and miscellaneous forage crops.

<sup>7</sup> Including farm gardens, except acreage in 1919 and 1929 which is acreage of vegetables harvested for sale.

<sup>8</sup> Prior to 1929, nominally sugar cane either for sugar or sirup or both. Acreage includes sugar cane for seed and other purposes not specified where specific reports were available.

<sup>9</sup> The production for sugar or sale to mills was 2,992,000 tons and the production of sirup was 15,160,000 gallons.

<sup>10</sup> Running bales. <sup>11</sup> Including tangerines in 1919 and tangerines, mandarins, etc. in 1929. <sup>12</sup> Less than \$600.

Source: Bureau of the Census, Department of Commerce.

# No. 624.—SUMMARY FOR PRINCIPAL CROPS: ESTIMATED ACREAGE, YIELD, PRODUCTION, VALUE, AND AVERAGE PRICE RECEIVED BY PRODUCERS

NOTE.—Tons are of 2,000 pounds. For weights of the units of measurement for principal products, see Appendix, p. 819. The approximate weights of units of measurement for other products are as follows: Number of pounds to a bushel—sweetpotatoes, 54; grain sorghums, 56; clover seed, 60. Number of pounds to a barrel of cranberries, 100. Prices and yields for the periods are weighted averages except for cotton and cottonseed, which are simple averages of prices and yields for the individual years

| Yearly average or year | Acres harvested | Production    | Farm value <sup>1</sup> | Yield per acre | Price <sup>2</sup> | Acres harvested    | Production    | Farm value <sup>1</sup> | Yield per acre | Price <sup>2</sup> |
|------------------------|-----------------|---------------|-------------------------|----------------|--------------------|--------------------|---------------|-------------------------|----------------|--------------------|
| Corn <sup>3</sup>      |                 |               |                         |                |                    | Wheat <sup>3</sup> |               |                         |                |                    |
|                        | 1,000 acres     | 1,000 bushels | 1,000 dollars           | Bushels        | Cents per bushel   | 1,000 acres        | 1,000 bushels | 1,000 dollars           | Bushels        | Cents per bushel   |
| 1860-1875              | 40,123          | 1,028,903     | 601,163                 | 25.6           | 54.5               | 21,918             | 270,594       | 337,186                 | 12.3           | 124.6              |
| 1876-1885              | 63,655          | 1,667,610     | 852,908                 | 26.2           | 39.1               | 34,558             | 448,337       | 413,730                 | 13.0           | 92.3               |
| 1886-1896              | 78,327          | 1,986,608     | 725,562                 | 25.4           | 36.5               | 38,490             | 526,076       | 356,288                 | 13.7           | 67.7               |
| 1890-1900              | 91,253          | 2,523,555     | 711,706                 | 27.7           | 28.2               | 47,258             | 630,354       | 413,935                 | 13.3           | 65.7               |
| 1901-1905              | 95,226          | 2,520,114     | 1,113,625               | 26.6           | 44.0               | 47,002             | 674,843       | 483,123                 | 14.4           | 71.6               |
| 1906-1910              | 97,894          | 2,735,480     | 1,451,811               | 27.9           | 53.1               | 46,105             | 664,299       | 579,992                 | 14.7           | 87.3               |
| 1911-1915              | 100,294         | 2,609,562     | 1,722,665               | 26.0           | 66.0               | 53,247             | 801,080       | 712,938                 | 15.0           | 89.0               |
| 1916-1920              | 102,681         | 2,704,768     | 3,347,828               | 26.4           | 123.8              | 59,485             | 790,773       | 1,520,204               | 18.3           | 193.0              |
| 1921-1925              | 101,275         | 2,706,506     | 2,047,527               | 26.7           | 75.7               | 57,658             | 787,082       | 875,067                 | 13.7           | 111.2              |
| 1926-1930              | 99,483          | 2,486,015     | 1,922,451               | 25.0           | 77.3               | 60,283             | 866,266       | 382,923                 | 14.4           | 101.9              |
| 1931-1935              | 102,068         | 2,383,263     | 1,114,126               | 22.9           | 47.7               | 51,918             | 679,056       | 405,830                 | 13.1           | 59.8               |
| 1920                   | 101,359         | 3,070,604     | 1,890,136               | 30.3           | 61.8               | 62,358             | 843,277       | 1,539,584               | 13.5           | 182.6              |
| 1921                   | 103,155         | 2,928,442     | 1,532,788               | 28.4           | 52.3               | 64,666             | 818,904       | 843,458                 | 12.7           | 103.0              |
| 1922                   | 100,345         | 2,707,306     | 2,016,891               | 27.0           | 74.5               | 61,897             | 846,049       | 817,929                 | 13.8           | 96.6               |
| 1923                   | 101,123         | 2,875,202     | 2,372,222               | 28.4           | 82.5               | 56,920             | 769,482       | 703,283                 | 13.3           | 92.6               |
| 1924                   | 100,420         | 2,223,123     | 2,358,497               | 22.1           | 106.1              | 52,468             | 841,617       | 1,049,534               | 16.0           | 124.7              |
| 1925                   | 101,331         | 2,798,367     | 1,957,239               | 27.6           | 69.9               | 62,443             | 698,700       | 901,131                 | 12.8           | 143.7              |
| 1926                   | 99,452          | 2,549,972     | 1,896,252               | 25.6           | 74.5               | 56,616             | 832,213       | 1,012,831               | 14.7           | 121.7              |
| 1927                   | 98,357          | 2,616,130     | 2,222,649               | 26.6           | 85.0               | 59,628             | 875,059       | 1,041,512               | 14.7           | 119.0              |
| 1928                   | 100,336         | 2,605,513     | 2,239,974               | 26.6           | 84.0               | 59,226             | 914,373       | 912,496                 | 15.4           | 99.8               |
| 1929                   | 97,805          | 2,521,082     | 2,013,509               | 25.8           | 79.9               | 63,332             | 823,217       | 852,901                 | 13.0           | 103.6              |
| 1930                   | 101,466         | 2,080,487     | 1,239,872               | 20.5           | 59.6               | 62,614             | 886,470       | 594,874                 | 14.2           | 67.1               |
| 1931                   | 106,774         | 2,573,265     | 823,768                 | 24.1           | 32.0               | 57,595             | 936,831       | 365,936                 | 16.3           | 39.1               |
| 1932                   | 110,325         | 2,926,871     | 934,682                 | 26.5           | 31.9               | 57,839             | 750,927       | 289,099                 | 13.1           | 38.2               |
| 1933                   | 105,724         | 2,396,526     | 1,251,325               | 22.7           | 52.2               | 49,438             | 551,683       | 410,286                 | 11.2           | 74.4               |
| 1934                   | 92,133          | 1,478,027     | 1,203,893               | 16.0           | 81.6               | 43,400             | 526,393       | 446,368                 | 12.1           | 84.8               |
| 1935 (prel.)           | 95,333          | 2,291,629     | 1,358,961               | 24.0           | 59.2               | 51,348             | 623,444       | 517,464                 | 12.1           | 83.0               |
| Oats <sup>3</sup>      |                 |               |                         |                |                    | Rye <sup>3</sup>   |               |                         |                |                    |
|                        | 10,016          | 281,394       | 122,375                 | 26.5           | 43.5               | 1,589              | 17,210        | 15,894                  | 10.8           | 92.2               |
| 1876-1885              | 17,954          | 404,612       | 158,927                 | 27.5           | 32.1               | 1,904              | 22,165        | 14,205                  | 11.6           | 64.1               |
| 1886-1896              | 28,113          | 763,240       | 215,561                 | 26.8           | 28.6               | 2,160              | 27,208        | 14,095                  | 12.6           | 54.0               |
| 1890-1900              | 29,741          | 865,883       | 199,211                 | 29.1           | 23.0               | 2,262              | 29,088        | 12,888                  | 12.9           | 44.3               |
| 1901-1905              | 32,122          | 975,628       | 315,133                 | 30.4           | 32.3               | 2,323              | 30,640        | 17,570                  | 13.2           | 57.3               |
| 1906-1910              | 34,869          | 954,048       | 383,119                 | 27.4           | 40.1               | 2,108              | 20,137        | 20,369                  | 13.5           | 69.9               |
| 1911-1915              | 37,531          | 1,155,906     | 454,424                 | 30.8           | 39.3               | 2,905              | 39,714        | 29,709                  | 13.4           | 74.8               |
| 1916-1920              | 41,100          | 1,312,199     | 833,786                 | 31.9           | 63.5               | 5,455              | 65,481        | 96,648                  | 12.0           | 147.6              |
| 1921-1925              | 42,441          | 1,248,349     | 497,024                 | 29.4           | 39.9               | 4,857              | 63,762        | 47,630                  | 13.1           | 74.7               |
| 1926-1930              | 40,267          | 1,180,359     | 477,414                 | 29.6           | 40.1               | 3,898              | 40,839        | 30,709                  | 12.1           | 76.2               |
| 1931-1935              | 37,571          | 969,397       | 251,669                 | 26.8           | 26.0               | 3,032              | 34,044        | 14,243                  | 11.2           | 41.8               |
| 1920                   | 42,732          | 1,444,291     | 777,178                 | 33.8           | 53.8               | 4,825              | 61,915        | 90,626                  | 12.8           | 146.4              |
| 1921                   | 45,539          | 1,045,270     | 336,663                 | 23.0           | 32.2               | 4,851              | 61,023        | 51,274                  | 12.6           | 84.0               |
| 1922                   | 40,324          | 1,147,905     | 429,195                 | 28.5           | 37.4               | 6,787              | 100,966       | 64,623                  | 14.9           | 63.9               |
| 1923                   | 40,245          | 1,227,184     | 499,693                 | 30.5           | 40.7               | 4,936              | 55,961        | 33,188                  | 11.3           | 59.3               |
| 1924                   | 41,857          | 1,416,120     | 676,316                 | 33.8           | 47.8               | 3,941              | 58,445        | 55,707                  | 14.8           | 95.3               |
| 1925                   | 44,240          | 1,405,268     | 546,354                 | 31.8           | 38.9               | 3,800              | 42,397        | 33,507                  | 11.2           | 79.0               |
| 1926                   | 42,854          | 1,152,911     | 461,577                 | 26.9           | 40.0               | 3,419              | 34,800        | 28,928                  | 10.2           | 83.0               |
| 1927                   | 40,350          | 1,003,221     | 515,279                 | 27.1           | 47.1               | 3,458              | 31,076        | 42,648                  | 14.8           | 83.6               |
| 1928                   | 40,128          | 1,312,914     | 334,888                 | 32.7           | 40.7               | 3,310              | 37,910        | 31,681                  | 11.5           | 83.6               |
| 1929                   | 38,153          | 1,113,050     | 465,740                 | 29.2           | 41.8               | 3,130              | 35,232        | 30,249                  | 11.3           | 85.6               |
| 1930                   | 39,850          | 1,274,098     | 410,096                 | 32.0           | 32.2               | 3,621              | 45,068        | 20,939                  | 12.4           | 44.6               |
| 1931                   | 40,242          | 1,123,892     | 230,109                 | 27.9           | 21.3               | 3,162              | 38,378        | 11,370                  | 10.6           | 34.1               |
| 1932                   | 41,703          | 1,250,955     | 195,826                 | 30.0           | 15.7               | 3,351              | 39,424        | 11,093                  | 11.8           | 28.1               |
| 1933                   | 36,532          | 733,186       | 246,332                 | 20.1           | 33.5               | 2,418              | 21,418        | 13,434                  | 8.9            | 62.7               |
| 1934                   | 29,455          | 542,306       | 260,660                 | 18.4           | 48.0               | 2,036              | 17,070        | 12,263                  | 8.4            | 71.8               |
| 1935 (prel.)           | 39,924          | 1,190,668     | 317,616                 | 30.0           | 26.5               | 4,196              | 58,928        | 23,055                  | 14.0           | 39.1               |

<sup>1</sup> Values are based on prices for crop-marketing season, Dec. 1 or Nov. 15 prices. See notes on "Price."

<sup>2</sup> Received by producers. Beginning 1908, prices are weighted average prices for the crop-marketing season; prior thereto, Dec. 1 prices.

<sup>3</sup> Figures for 1924 to 1934 have been revised to conform to the 1935 census data. Rye, buckwheat, and flaxseed have been revised for earlier years also.

No. 624.—SUMMARY FOR PRINCIPAL CROPS: ESTIMATED ACREAGE, YIELD, PRODUCTION, VALUE, AND AVERAGE PRICE RECEIVED BY PRODUCERS—CON.

| Yearly average or year    | Acres harvested     | Production    | Farm value <sup>1</sup> | Yield per acre | Price <sup>1</sup>    | Acres harvested        | Production    | Farm value <sup>1</sup> | Yield per acre | Price <sup>1</sup> |
|---------------------------|---------------------|---------------|-------------------------|----------------|-----------------------|------------------------|---------------|-------------------------|----------------|--------------------|
|                           | Barley <sup>2</sup> |               |                         |                |                       | Buckwheat <sup>3</sup> |               |                         |                |                    |
|                           | 1,000 acres         | 1,000 bushels | 1,000 dollars           | Bus.           | Cents per bushel      | 1,000 acres            | 1,000 bushels | 1,000 dollars           | Bus.           | Cents per bushel   |
| 1866-1875.                | 1,302               | 28,246        | 26,882                  | 21.7           | 95.2                  | 765                    | 10,425        | 9,085                   | 13.6           | 87.1               |
| 1876-1885.                | 2,236               | 50,303        | 31,000                  | 22.5           | 61.6                  | 816                    | 10,442        | 6,849                   | 12.8           | 65.6               |
| 1886-1895.                | 3,513               | 82,707        | 39,376                  | 23.6           | 47.6                  | 812                    | 11,256        | 6,165                   | 13.8           | 54.8               |
| 1896-1900.                | 4,308               | 102,595       | 37,435                  | 23.8           | 36.5                  | 814                    | 12,640        | 5,927                   | 15.5           | 46.9               |
| 1901-1905.                | 5,981               | 151,417       | 65,069                  | 25.3           | 43.0                  | 819                    | 14,888        | 8,854                   | 18.2           | 50.5               |
| 1906-1910.                | 7,250               | 163,200       | 90,978                  | 22.5           | 55.7                  | 841                    | 14,601        | 10,126                  | 17.4           | 69.4               |
| 1911-1915.                | 7,552               | 177,102       | 101,301                 | 23.5           | 57.2                  | 778                    | 12,927        | 9,837                   | 16.6           | 76.1               |
| 1916-1920.                | 7,858               | 173,712       | 174,766                 | 22.1           | 100.6                 | 838                    | 12,642        | 18,967                  | 15.1           | 150.0              |
| 1921-1925.                | 7,210               | 160,478       | 93,507                  | 22.3           | 58.3                  | 707                    | 12,652        | 11,283                  | 17.0           | 93.6               |
| 1926-1930.                | 11,248              | 262,718       | 143,944                 | 23.4           | 54.8                  | 664                    | 9,913         | 8,731                   | 14.9           | 88.1               |
| 1931-1935.                | 10,570              | 210,075       | 76,864                  | 19.9           | 36.6                  | 476                    | 8,141         | 4,162                   | 17.0           | 51.0               |
| 1920.                     | 7,439               | 171,042       | 144,276                 | 23.0           | 84.4                  | 729                    | 12,193        | 15,288                  | 16.7           | 125.4              |
| 1921.                     | 7,074               | 132,702       | 63,471                  | 18.8           | 47.8                  | 640                    | 11,822        | 10,391                  | 18.5           | 87.9               |
| 1922.                     | 6,601               | 152,008       | 76,314                  | 23.2           | 49.9                  | 729                    | 11,776        | 10,536                  | 16.2           | 89.5               |
| 1923.                     | 7,151               | 158,994       | 80,898                  | 22.2           | 54.6                  | 689                    | 11,596        | 11,104                  | 16.8           | 95.8               |
| 1924.                     | 7,038               | 165,318       | 122,690                 | 23.5           | 74.2                  | 737                    | 12,508        | 13,433                  | 17.0           | 107.4              |
| 1925.                     | 8,186               | 192,466       | 118,191                 | 23.5           | 61.4                  | 742                    | 12,559        | 10,950                  | 16.9           | 87.2               |
| 1926.                     | 7,917               | 166,030       | 90,071                  | 21.0           | 57.9                  | 679                    | 10,976        | 9,585                   | 16.2           | 87.1               |
| 1927.                     | 9,465               | 239,071       | 164,775                 | 25.3           | 68.9                  | 704                    | 12,820        | 11,137                  | 16.8           | 96.9               |
| 1928.                     | 12,735              | 328,351       | 186,485                 | 25.8           | 56.8                  | 679                    | 10,117        | 9,066                   | 14.9           | 99.9               |
| 1929.                     | 13,526              | 279,924       | 150,782                 | 20.7           | 53.9                  | 627                    | 8,692         | 8,307                   | 13.9           | 96.3               |
| 1930.                     | 12,595              | 300,205       | 121,609                 | 23.8           | 40.5                  | 573                    | 6,960         | 5,493                   | 12.1           | 78.9               |
| 1931.                     | 11,180              | 199,391       | 95,306                  | 17.8           | 32.8                  | 505                    | 8,890         | 3,764                   | 17.6           | 42.3               |
| 1932.                     | 13,178              | 295,313       | 95,060                  | 22.6           | 22.1                  | 454                    | 6,727         | 2,918                   | 14.8           | 43.4               |
| 1933.                     | 9,687               | 153,767       | 66,879                  | 15.9           | 43.5                  | 462                    | 7,544         | 4,380                   | 17.0           | 55.8               |
| 1934.                     | 6,553               | 116,680       | 79,094                  | 17.8           | 68.6                  | 477                    | 9,026         | 5,285                   | 18.9           | 68.6               |
| 1935 (prel.)              | 12,243              | 282,220       | 106,130                 | 23.1           | 37.6                  | 495                    | 8,220         | 4,410                   | 16.6           | 53.6               |
| Rice (rough) <sup>4</sup> |                     |               |                         |                | Flaxseed <sup>4</sup> |                        |               |                         |                |                    |
|                           |                     |               |                         |                |                       |                        |               |                         |                |                    |
| 1906-1910.                | 638                 | 20,720        | 16,598                  | 32.5           | 80.1                  | 2,384                  | 20,590        | 25,647                  | 8.6            | 124.6              |
| 1911-1915.                | 749                 | 25,266        | 22,370                  | 33.7           | 88.5                  | 2,041                  | 17,197        | 25,443                  | 8.4            | 148.0              |
| 1916-1920.                | 1,068               | 41,709        | 70,162                  | 39.1           | 168.2                 | 1,580                  | 10,136        | 30,897                  | 8.4            | 304.8              |
| 1921-1925.                | 921                 | 36,901        | 40,603                  | 39.0           | 113.3                 | 2,161                  | 17,749        | 37,807                  | 8.2            | 213.0              |
| 1926-1930.                | 964                 | 42,747        | 40,296                  | 44.3           | 94.3                  | 2,988                  | 20,084        | 40,570                  | 6.7            | 202.0              |
| 1931-1935.                | 853                 | 40,212        | 25,145                  | 47.1           | 62.5                  | 1,754                  | 9,991         | 13,065                  | 5.7            | 130.8              |
| 1920.                     | 1,299               | 51,648        | 61,006                  | 39.8           | 118.1                 | 1,647                  | 10,900        | 25,375                  | 6.6            | 232.8              |
| 1921.                     | 990                 | 36,274        | 37,239                  | 39.7           | 94.8                  | 1,143                  | 8,107         | 13,411                  | 7.1            | 165.4              |
| 1922.                     | 1,053               | 41,663        | 38,686                  | 39.6           | 92.9                  | 1,113                  | 10,520        | 21,836                  | 9.5            | 207.6              |
| 1923.                     | 874                 | 33,238        | 36,615                  | 38.0           | 110.2                 | 2,015                  | 16,563        | 35,192                  | 8.2            | 212.5              |
| 1924.                     | 837                 | 32,693        | 43,295                  | 38.9           | 132.8                 | 3,585                  | 31,220        | 68,019                  | 8.8            | 217.9              |
| 1925.                     | 849                 | 32,736        | 47,628                  | 38.6           | 145.5                 | 3,022                  | 22,334        | 50,575                  | 7.4            | 226.4              |
| 1926.                     | 1,006               | 41,415        | 46,854                  | 41.2           | 113.1                 | 2,736                  | 18,531        | 37,653                  | 6.8            | 203.2              |
| 1927.                     | 1,024               | 44,422        | 40,346                  | 43.4           | 90.8                  | 2,763                  | 25,174        | 48,472                  | 9.1            | 192.5              |
| 1928.                     | 962                 | 43,434        | 39,594                  | 45.1           | 91.2                  | 2,611                  | 19,118        | 37,058                  | 7.3            | 193.8              |
| 1929.                     | 800                 | 36,534        | 30,474                  | 46.0           | 99.8                  | 3,049                  | 15,924        | 44,771                  | 5.2            | 231.2              |
| 1930.                     | 966                 | 44,929        | 35,214                  | 46.5           | 78.4                  | 3,780                  | 21,673        | 34,897                  | 5.7            | 161.0              |
| 1931.                     | 965                 | 44,613        | 21,642                  | 46.2           | 48.5                  | 2,431                  | 11,755        | 13,713                  | 4.8            | 116.7              |
| 1932.                     | 884                 | 41,619        | 17,416                  | 47.1           | 41.8                  | 1,988                  | 11,511        | 10,144                  | 5.8            | 98.1               |
| 1933.                     | 798                 | 37,651        | 20,248                  | 47.2           | 77.7                  | 1,341                  | 6,904         | 11,225                  | 5.1            | 162.6              |
| 1934.                     | 824                 | 39,047        | 30,854                  | 47.4           | 79.0                  | 996                    | 5,661         | 9,620                   | 5.7            | 160.9              |
| 1935 (prel.)              | 793                 | 38,132        | 26,565                  | 48.1           | 69.7                  | 2,014                  | 14,123        | 20,624                  | 7.0            | 146.0              |

<sup>1</sup> Values are based on prices for crop-marketing season, Dec. 1 or Nov. 15 prices. See notes on "Price."

<sup>2</sup> Figures for 1924 to 1934 have been revised to conform to the 1935 census data. Rye, buckwheat, and flaxseed have been revised for earlier years also.

<sup>4</sup> Received by producers. Prices are weighted average prices for the crop marketing season as follows: Barley, buckwheat, and flaxseed, beginning 1908; rice, beginning 1926. Prices for prior years are as of Dec. 1.



No. 624.—SUMMARY FOR PRINCIPAL CROPS: ESTIMATED ACREAGE, YIELD, PRODUCTION, VALUE, AND AVERAGE PRICE RECEIVED BY PRODUCERS—CON.

| Yearly average or year                  | Acres harvested       | Production               | Farm value <sup>1</sup> | Yield per acre | Price <sup>2</sup> | Acres harvested            | Production    | Farm value <sup>1</sup> | Yield per acre | Price <sup>2</sup> |
|-----------------------------------------|-----------------------|--------------------------|-------------------------|----------------|--------------------|----------------------------|---------------|-------------------------|----------------|--------------------|
|                                         | Potatoes <sup>3</sup> |                          |                         |                |                    | Sweetpotatoes <sup>3</sup> |               |                         |                |                    |
|                                         | 1,000 acres           | 1,000 bushels            | 1,000 dollars           | Bushels        | Cents per bushel   | 1,000 acres                | 1,000 bushels | 1,000 dollars           | Bushels        | Cents per bushel   |
| 1866-1875                               | 1,488                 | 129,276                  | 81,370                  | 86.9           | 62.9               |                            |               |                         |                |                    |
| 1876-1885                               | 2,074                 | 173,138                  | 87,877                  | 83.5           | 50.8               |                            |               |                         |                |                    |
| 1886-1895                               | 2,635                 | 214,022                  | 102,644                 | 81.2           | 48.0               |                            |               |                         |                |                    |
| 1896-1900                               | 2,918                 | 246,703                  | 101,576                 | 84.5           | 41.2               |                            |               |                         |                |                    |
| 1901-1905                               | 3,115                 | 286,091                  | 102,270                 | 91.8           | 56.7               | 545                        | 47,730        | 27,943                  | 87.0           | 58.5               |
| 1906-1910                               | 3,465                 | 342,410                  | 205,967                 | 98.8           | 60.2               | 600                        | 54,593        | 36,457                  | 90.9           | 66.8               |
| 1911-1915                               | 3,473                 | 349,277                  | 225,133                 | 100.6          | 67.3               | 620                        | 60,257        | 42,525                  | 95.8           | 70.6               |
| 1916-1920                               | 3,455                 | 336,280                  | 477,126                 | 97.3           | 141.9              | 839                        | 79,649        | 102,802                 | 94.0           | 126.1              |
| 1921-1925                               | 3,368                 | 358,318                  | 351,427                 | 106.4          | 98.1               | 703                        | 62,337        | 78,124                  | 88.7           | 125.3              |
| 1926-1930                               | 3,123                 | 358,256                  | 369,795                 | 114.7          | 102.4              | 664                        | 62,551        | 71,276                  | 94.2           | 113.9              |
| 1931-1935                               | 3,515                 | 379,328                  | 204,178                 | 107.9          | 53.8               | 948                        | 77,843        | 53,612                  | 82.1           | 68.9               |
| 1920                                    | 3,301                 | 368,904                  | 491,561                 | 111.8          | 133.2              | 768                        | 77,124        | 109,416                 | 100.4          | 141.9              |
| 1921                                    | 3,598                 | 325,312                  | 369,109                 | 90.4           | 113.5              | 819                        | 73,958        | 83,947                  | 90.3           | 113.5              |
| 1922                                    | 3,940                 | 410,288                  | 287,702                 | 106.3          | 68.6               | 819                        | 78,605        | 70,306                  | 96.1           | 100.8              |
| 1923                                    | 3,378                 | 366,356                  | 335,310                 | 108.5          | 91.5               | 675                        | 64,041        | 77,474                  | 94.9           | 121.0              |
| 1924                                    | 3,100                 | 384,166                  | 273,443                 | 123.7          | 71.2               | 564                        | 44,884        | 67,137                  | 79.6           | 149.6              |
| 1925                                    | 2,810                 | 296,466                  | 491,482                 | 105.6          | 105.8              | 636                        | 50,139        | 82,757                  | 78.8           | 165.1              |
| 1926                                    | 2,811                 | 321,607                  | 437,851                 | 114.4          | 136.1              | 645                        | 63,300        | 74,305                  | 98.1           | 117.4              |
| 1927                                    | 3,182                 | 369,044                  | 400,996                 | 116.2          | 108.5              | 724                        | 70,897        | 77,301                  | 97.0           | 109.0              |
| 1928                                    | 3,499                 | 427,249                  | 244,048                 | 122.1          | 57.1               | 630                        | 59,178        | 69,814                  | 93.0           | 118.0              |
| 1929                                    | 3,019                 | 332,204                  | 433,006                 | 110.0          | 131.8              | 640                        | 64,063        | 76,081                  | 100.0          | 117.1              |
| 1930                                    | 3,108                 | 340,572                  | 318,072                 | 109.8          | 91.9               | 660                        | 54,416        | 58,879                  | 81.3           | 108.2              |
| 1931                                    | 3,467                 | 384,125                  | 177,912                 | 110.8          | 46.3               | 850                        | 66,849        | 48,567                  | 78.6           | 72.7               |
| 1932                                    | 3,549                 | 376,426                  | 177,988                 | 106.1          | 30.3               | 1,056                      | 83,436        | 46,892                  | 81.0           | 54.2               |
| 1933                                    | 3,412                 | 342,306                  | 281,748                 | 100.3          | 82.3               | 908                        | 75,248        | 52,209                  | 82.9           | 69.5               |
| 1934                                    | 3,597                 | 406,105                  | 181,857                 | 112.0          | 44.8               | 958                        | 77,482        | 61,805                  | 80.9           | 79.8               |
| 1935 (prel.)                            | 3,551                 | 387,678                  | 231,233                 | 109.2          | 59.0               | 970                        | 83,198        | 58,555                  | 85.8           | 70.4               |
| Cotton (excluding linters) <sup>4</sup> |                       |                          |                         |                |                    | Cottonseed <sup>5</sup>    |               |                         |                |                    |
|                                         | 1,000 acres           | 1,000 bales <sup>7</sup> | 1,000 dollars           | Lbs.           | Cents per pound    | 1,000 short tons           | 1,000 dollars |                         |                | Doll. per ton      |
| 1866-1875                               | 9,046                 | 3,389                    |                         | 162.6          |                    | 1,382                      |               |                         |                |                    |
| 1876-1885                               | 15,147                | 5,706                    |                         | 172.2          |                    | 2,410                      |               |                         |                |                    |
| 1886-1895                               | 20,016                | 7,691                    | 289,493                 | 181.5          | 7.70               | 3,389                      |               |                         |                |                    |
| 1896-1900                               | 24,425                | 10,036                   | 354,063                 | 197.4          | 7.04               | 4,486                      |               |                         |                |                    |
| 1901-1905                               | 28,041                | 10,801                   | 485,555                 | 183.8          | 8.98               | 4,800                      |               |                         |                |                    |
| 1906-1910                               | 31,057                | 11,847                   | 659,464                 | 182.3          | 11.30              | 5,262                      |               |                         |                |                    |
| 1911-1915                               | 33,649                | 14,167                   | 728,937                 | 200.7          | 10.43              | 6,292                      | 131,225       |                         |                | 21.54              |
| 1916-1920                               | 33,630                | 11,913                   | 1,460,978               | 199.9          | 24.94              | 5,295                      | 281,627       |                         |                | 54.15              |
| 1921-1925                               | 35,895                | 11,515                   | 1,276,757               | 151.2          | 22.21              | 5,112                      | 174,429       |                         |                | 34.32              |
| 1926-1930                               | 42,212                | 14,884                   | 1,127,041               | 167.8          | 15.38              | 6,593                      | 188,449       |                         |                | 29.02              |
| 1931-1935                               | 31,636                | 12,685                   | 551,381                 | 191.1          | 9.16               | 5,641                      | 102,388       |                         |                | 20.04              |
| 1920                                    | 34,408                | 13,429                   | 1,069,257               | 186.7          | 15.92              | 5,966                      | 136,882       |                         |                | 22.94              |
| 1921                                    | 28,678                | 7,945                    | 675,773                 | 132.5          | 17.01              | 3,528                      | 104,828       |                         |                | 20.71              |
| 1922                                    | 31,361                | 9,755                    | 1,115,578               | 148.8          | 22.87              | 4,330                      | 150,416       |                         |                | 34.74              |
| 1923                                    | 35,550                | 10,140                   | 1,454,320               | 136.4          | 28.69              | 4,503                      | 190,312       |                         |                | 42.26              |
| 1924                                    | 39,501                | 13,630                   | 1,561,022               | 165.0          | 22.91              | 0,050                      | 206,212       |                         |                | 34.08              |
| 1925                                    | 44,386                | 10,105                   | 1,577,091               | 173.5          | 19.59              | 7,150                      | 220,379       |                         |                | 30.82              |
| 1926                                    | 44,608                | 17,978                   | 1,121,185               | 192.9          | 12.47              | 7,989                      | 172,131       |                         |                | 21.55              |
| 1927                                    | 38,342                | 12,950                   | 1,505,088               | 161.7          | 20.19              | 5,758                      | 206,940       |                         |                | 35.94              |
| 1928                                    | 45,434                | 14,477                   | 1,302,036               | 193.3          | 17.99              | 6,435                      | 226,874       |                         |                | 35.26              |
| 1929                                    | 45,232                | 14,825                   | 1,244,552               | 164.2          | 16.79              | 6,590                      | 200,521       |                         |                | 30.43              |
| 1930                                    | 42,444                | 13,932                   | 659,044                 | 167.1          | 9.40               | 6,191                      | 135,778       |                         |                | 21.98              |
| 1931                                    | 38,704                | 17,097                   | 483,639                 | 211.5          | 5.66               | 7,604                      | 72,412        |                         |                | 9.52               |
| 1932                                    | 35,891                | 13,003                   | 424,013                 | 173.5          | 6.52               | 5,784                      | 59,888        |                         |                | 10.35              |
| 1933                                    | 29,383                | 13,049                   | 663,516                 | 212.7          | 10.17              | 5,066                      | 82,499        |                         |                | 14.21              |
| 1934                                    | 26,866                | 9,636                    | 595,615                 | 171.6          | 12.36              | 4,282                      | 148,981       |                         |                | 34.79              |
| 1935 (prel.)                            | 27,335                | 10,638                   | 590,124                 | 186.3          | 11.09              | 4,729                      | 148,180       |                         |                | 31.33              |

<sup>1</sup> Values are based on prices for crop-marketing season, Dec. 1 or Nov. 15 prices. See notes on "Price".<sup>2</sup> Figures for 1924 to 1934 have been revised to conform to the 1935 census data.<sup>3</sup> Received by producers. Beginning with 1908 for potatoes and cotton, with 1919 for sweetpotatoes, and with 1911 for cottonseed, prices are weighted average prices for the crop-marketing season. Figures for prior years are Dec. 1 prices.<sup>4</sup> State production figures, which conform with census annual ginning enumerations, with allowance for cross State ginnings, rounded to thousands and added for United States totals. Cotton grown in Lower California, ginned in California from 1913 to 1924, has been excluded.<sup>5</sup> Production is in running bales prior to 1890; 500-pound gross weight bales thereafter.<sup>6</sup> Area in cultivation July 1 less removal of acreage reported by the Agricultural Adjustment Administration, less abandonment on area not under contract.

No. 624.—SUMMARY FOR PRINCIPAL CROPS: ESTIMATED ACREAGE, YIELD, PRODUCTION, VALUE, AND AVERAGE PRICE RECEIVED BY PRODUCERS—CON.

| Yearly average or year                                                           | Acres harvested | Production               | Farm value <sup>1</sup>     | Yield per acre | Price <sup>2</sup>             | Acres harvested        | Production       | Farm value <sup>1</sup> | Yield per acre | Price <sup>2</sup>            |
|----------------------------------------------------------------------------------|-----------------|--------------------------|-----------------------------|----------------|--------------------------------|------------------------|------------------|-------------------------|----------------|-------------------------------|
| Beans, dry, edible                                                               |                 |                          |                             |                |                                | Peanuts (for nuts)     |                  |                         |                |                               |
|                                                                                  | 1,000 acres     | 1,000 bags <sup>10</sup> | 1,000 dollars <sup>11</sup> | Lbs.           | Dollars per bag <sup>12</sup>  | 1,000 acres            | 1,000 pounds     | 1,000 dollars           | Lbs.           | Cents per lb. <sup>12</sup>   |
| 1916-1920                                                                        | 1,332           | 8,127                    | 64,713                      | 610.1          | 8.08                           | 1,413                  | 1,043,292        | 67,494                  | 738.4          | 8.5                           |
| 1921-1925                                                                        | 1,302           | 8,926                    | 44,398                      | 885.8          | 4.97                           | 1,062                  | 710,743          | 36,413                  | 675.6          | 5.1                           |
| 1926-1930                                                                        | 1,708           | 11,107                   | 59,343                      | 850.3          | 5.34                           | 1,138                  | 811,001          | 35,919                  | 712.7          | 4.4                           |
| 1931-1935                                                                        | 1,651           | 11,958                   | 29,946                      | 724.3          | 2.50                           | 1,517                  | 1,073,794        | 32,713                  | 707.8          | 3.0                           |
| 1925                                                                             | 1,614           | 11,760                   | 53,774                      | 728.6          | 5.00                           | 958                    | 698,475          | 31,652                  | 729.1          | 4.5                           |
| 1926                                                                             | 1,611           | 10,410                   | 46,242                      | 646.2          | 5.04                           | 843                    | 631,825          | 30,584                  | 749.5          | 4.8                           |
| 1927                                                                             | 1,460           | 9,120                    | 47,315                      | 629.0          | 5.52                           | 1,142                  | 864,549          | 43,818                  | 757.0          | 5.1                           |
| 1928                                                                             | 1,635           | 9,866                    | 68,622                      | 642.7          | 7.27                           | 1,211                  | 856,096          | 42,424                  | 706.1          | 5.0                           |
| 1929                                                                             | 1,836           | 12,240                   | 70,118                      | 666.7          | 6.77                           | 1,360                  | 956,448          | 36,150                  | 703.3          | 3.8                           |
| 1930                                                                             | 2,110           | 13,900                   | 55,420                      | 658.8          | 4.19                           | 1,133                  | 747,085          | 26,611                  | 659.4          | 3.6                           |
| 1931                                                                             | 1,913           | 12,843                   | 28,825                      | 671.4          | 2.14                           | 1,419                  | 1,097,930        | 22,270                  | 773.7          | 2.0                           |
| 1932                                                                             | 1,408           | 10,440                   | 20,025                      | 741.5          | 2.01                           | 1,607                  | 1,037,840        | 15,871                  | 646.8          | 1.5                           |
| 1933                                                                             | 1,092           | 12,338                   | 32,465                      | 729.2          | 2.79                           | 1,345                  | 905,710          | 25,646                  | 673.4          | 2.8                           |
| 1934                                                                             | 1,399           | 10,369                   | 34,906                      | 741.2          | 3.56                           | 1,671                  | 1,063,035        | 47,667                  | 676.7          | 3.3                           |
| 1935 (prel.)                                                                     | 1,843           | 13,799                   | 36,423                      | 748.7          | 2.64                           | 1,642                  | 1,264,455        | 52,135                  | 770.1          | 4.1                           |
| Grain sorghums (kafir, milo maize, feterita, etc.) for all purposes <sup>3</sup> |                 |                          |                             |                |                                | Broomcorn <sup>3</sup> |                  |                         |                |                               |
|                                                                                  | 1,000 acres     | 1,000 bushels            | 1,000 dollars               | Bushels        | Cents per bushel <sup>14</sup> | 1,000 acres            | 1,000 short tons | 1,000 dollars           | Lbs.           | Dollars per ton <sup>15</sup> |
| 1916-1920                                                                        | 14 5,418        | 14 120,368               | 14 141,933                  | 14 20.2        | 14 109.7                       | 340                    | 55               | 9,474                   | 321.9          | 173.14                        |
| 1921-1925                                                                        | 6,133           | 92,765                   | 64,701                      | 15.1           | 69.8                           | 337                    | 53               | 7,211                   | 316.7          | 135.14                        |
| 1926-1930                                                                        | 6,683           | 100,314                  | 67,990                      | 15.0           | 67.8                           | 304                    | 48               | 4,378                   | 317.6          | 91.68                         |
| 1931-1935                                                                        | 7,784           | 88,825                   | 39,192                      | 11.4           | 44.0                           | 341                    | 42               | 3,202                   | 244.5          | 76.82                         |
| 1925                                                                             | 6,721           | 90,390                   | 68,072                      | 13.4           | 75.3                           | 222                    | 31               | 4,431                   | 279.4          | 142.94                        |
| 1926                                                                             | 6,768           | 108,136                  | 68,798                      | 16.0           | 54.4                           | 311                    | 53               | 4,168                   | 341.6          | 78.49                         |
| 1927                                                                             | 7,015           | 128,028                  | 102,901                     | 18.3           | 80.4                           | 228                    | 40               | 4,055                   | 345.8          | 102.66                        |
| 1928                                                                             | 6,640           | 120,621                  | 82,517                      | 18.1           | 68.4                           | 288                    | 51               | 4,902                   | 360.0          | 96.54                         |
| 1929                                                                             | 6,304           | 82,214                   | 60,153                      | 12.9           | 73.2                           | 310                    | 47               | 5,417                   | 304.5          | 114.52                        |
| 1930                                                                             | 6,580           | 62,670                   | 35,579                      | 9.5            | 56.9                           | 387                    | 50               | 3,286                   | 259.0          | 65.69                         |
| 1931                                                                             | 7,483           | 113,649                  | 29,940                      | 15.2           | 26.3                           | 310                    | 49               | 2,167                   | 313.7          | 44.59                         |
| 1932                                                                             | 7,960           | 109,745                  | 32,698                      | 13.8           | 29.8                           | 303                    | 38               | 1,361                   | 252.6          | 35.63                         |
| 1933                                                                             | 7,307           | 82,685                   | 42,168                      | 11.3           | 51.0                           | 273                    | 29               | 2,970                   | 215.0          | 101.02                        |
| 1934                                                                             | 6,830           | 40,225                   | 40,133                      | 5.9            | 99.8                           | 307                    | 29               | 4,779                   | 189.3          | 184.79                        |
| 1935 (prel.)                                                                     | 9,335           | 97,823                   | 51,019                      | 10.5           | 52.2                           | 511                    | 63               | 4,733                   | 247.7          | 74.89                         |
| Clover seed (red and alsike) <sup>16</sup>                                       |                 |                          |                             |                |                                | Hops                   |                  |                         |                |                               |
|                                                                                  | 1,000 acres     | 1,000 bushels            | 1,000 dollars               | Bushels        | Dollars per bushel             | 1,000 acres            | 1,000 pounds     | 1,000 dollars           | Lbs.           | Cents per lb. <sup>16</sup>   |
| 1916-1920                                                                        | 947             | 1,592                    | 24,584                      | 1.68           | 15.44                          | 30                     | 32,143           | 10,326                  | 1,081          | 32.1                          |
| 1921-1925                                                                        | 893             | 1,251                    | 14,832                      | 1.40           | 11.86                          | 22                     | 26,616           | 4,450                   | 1,215          | 16.7                          |
| 1926-1930                                                                        | 1,034           | 1,492                    | 19,724                      | 1.44           | 13.22                          | 23                     | 30,353           | 5,586                   | 1,314          | 18.4                          |
| 1931-1935                                                                        | 948             | 1,282                    | 9,309                       | 1.35           | 7.26                           | 30                     | 36,426           | 6,441                   | 1,219          | 17.7                          |
| 1925                                                                             | 807             | 1,062                    | 15,819                      | 1.32           | 14.90                          | 20                     | 28,573           | 6,232                   | 1,404          | 21.8                          |
| 1926                                                                             | 530             | 728                      | 12,805                      | 1.37           | 17.71                          | 21                     | 31,522           | 7,296                   | 1,516          | 23.1                          |
| 1927                                                                             | 1,214           | 1,737                    | 26,299                      | 1.42           | 15.22                          | 25                     | 30,658           | 7,024                   | 1,248          | 22.9                          |
| 1928                                                                             | 617             | 961                      | 15,590                      | 1.56           | 16.22                          | 26                     | 32,944           | 6,365                   | 1,257          | 19.3                          |
| 1929                                                                             | 1,789           | 2,627                    | 27,455                      | 1.47           | 10.45                          | 24                     | 33,195           | 3,785                   | 1,390          | 11.4                          |
| 1930                                                                             | 1,019           | 1,419                    | 16,383                      | 1.39           | 11.55                          | 20                     | 23,447           | 3,462                   | 1,202          | 14.8                          |
| 1931                                                                             | 825             | 1,118                    | 8,130                       | 1.35           | 7.27                           | 21                     | 25,410           | 3,642                   | 1,234          | 13.8                          |
| 1932                                                                             | 1,102           | 1,690                    | 8,475                       | 1.53           | 5.01                           | 22                     | 24,058           | 4,190                   | 1,094          | 17.5                          |
| 1933                                                                             | 1,096           | 1,489                    | 9,174                       | 1.36           | 6.18                           | 30                     | 39,965           | 12,147                  | 1,319          | 30.4                          |
| 1934                                                                             | 981             | 1,051                    | 11,587                      | 1.07           | 10.98                          | 37                     | 17 43,952        | 6,248                   | 1,194          | 14.5                          |
| 1935 (prel.)                                                                     | 840             | 1,060                    | 9,249                       | 1.26           | 8.73                           | 39                     | 17 47,746        | 5,971                   | 1,227          | 14.1                          |

<sup>1</sup> Values are based on prices for crop-marketing season, Dec. 1 or Nov. 15 prices. See notes on "Price."

<sup>2</sup> Figures for 1924 to 1935 have been revised to conform to the 1935 census data.

<sup>3</sup> Received by producers. See also notes on prices for each crop. <sup>10</sup> Bags of 100 pounds.

<sup>11</sup> Beginning with 1919, farm value of dry edible beans equals the price of cleaned beans applied to the production of cleaned beans rather than to the total production.

<sup>12</sup> Nov. 15 prices, 1916 to 1918; beginning with 1919, weighted average prices for the crop-marketing season, prices of beans being for cleaned beans.

<sup>13</sup> Nov. 15 prices, 1916 to 1924; Dec. 1 prices, 1925 and 1926; weighted average prices for the crop-marketing season beginning 1927.

<sup>14</sup> Average for 1919 and 1920.

<sup>15</sup> Includes sweet clover prior to 1924. Prices for 1916 to 1924 are as of Nov. 15, 1925 to 1928, Dec. 1; beginning 1929, weighted average prices for the crop-marketing season.

<sup>16</sup> Dec. 1 prices, 1916 to 1931; beginning 1932, weighted average prices for the crop-marketing season.

<sup>17</sup> Includes 802,000 pounds in 1934 and 5,436,000 pounds in 1935 not harvested on account of labor shortage and market conditions. Prices and values are computed on the harvested crop.

No. 624.—SUMMARY FOR PRINCIPAL CROPS: ESTIMATED ACREAGE, YIELD, PRODUCTION, VALUE, AND AVERAGE PRICE RECEIVED BY PRODUCERS—CON.

| Yearly average of year                                 | Acreage harvested | Production    | Farm value <sup>1</sup> | Yield per acre | Price <sup>15</sup> | Acreage harvested                                | Production                | Farm value <sup>1</sup> | Yield per acre | Price <sup>15</sup>          |
|--------------------------------------------------------|-------------------|---------------|-------------------------|----------------|---------------------|--------------------------------------------------|---------------------------|-------------------------|----------------|------------------------------|
|                                                        |                   |               |                         |                |                     |                                                  |                           |                         |                |                              |
| Hay (tame)                                             |                   |               |                         |                |                     | Tobacco <sup>3</sup>                             |                           |                         |                |                              |
|                                                        | 1,000 acres       | 1,000 tons    | 1,000 dollars           | Short tons     | Dollars per ton     | 1,000 acres                                      | 1,000 pounds              | 1,000 dollars           | Lbs.           | Cents per lb. <sup>16</sup>  |
| 1866-1875                                              | 20,296            | 23,356        | 332,744                 | 1.15           | 14.25               | 450                                              | 339,206                   | 84,829                  | 754            | 10.3                         |
| 1876-1885                                              | 28,704            | 36,056        | 350,467                 | 1.26           | 9.72                | 711                                              | 518,825                   | 38,817                  | 730            | 7.5                          |
| 1886-1895                                              | 39,492            | 48,007        | 427,727                 | 1.22           | 8.91                | 916                                              | 669,296                   | 52,244                  | 731            | 7.8                          |
| 1896-1900                                              | 42,467            | 54,137        | 422,324                 | 1.27           | 7.80                | 1,064                                            | 818,926                   | 53,822                  | 770            | 6.9                          |
| 1901-1905                                              | 46,147            | 61,592        | 557,465                 | 1.33           | 9.05                | 1,126                                            | 923,378                   | 67,718                  | 820            | 7.3                          |
| 1906-1910                                              | 50,542            | 66,001        | 706,860                 | 1.31           | 10.71               | 1,173                                            | 977,983                   | 95,630                  | 834            | 9.8                          |
| 1911-1915                                              | 50,306            | 64,516        | 707,990                 | 1.28           | 11.90               | 1,286                                            | 1,038,825                 | 107,974                 | 816            | 10.3                         |
| 1916-1920                                              | 55,455            | 74,717        | 1,279,078               | 1.55           | 17.12               | 1,742                                            | 1,398,048                 | 322,268                 | 796            | 23.8                         |
| 1921-1925                                              | 57,713            | 74,877        | 995,248                 | 1.30           | 13.20               | 1,653                                            | 1,279,550                 | 247,642                 | 774            | 19.4                         |
| 1926-1930                                              | 54,563            | 72,678        | 902,585                 | 1.33           | 12.42               | 1,831                                            | 1,410,930                 | 249,528                 | 771            | 17.7                         |
| 1931-1935                                              | 53,081            | 65,942        | 881,375                 | 1.24           | 8.82                | 1,569                                            | 1,206,275                 | 175,182                 | 807            | 13.8                         |
| 1925                                                   | 55,064            | 67,155        | 936,812                 | 1.22           | 13.95               | 1,751                                            | 1,376,008                 | 230,242                 | 786            | 16.8                         |
| 1926                                                   | 54,851            | 67,478        | 949,972                 | 1.23           | 14.08               | 1,628                                            | 1,289,272                 | 231,208                 | 792            | 17.9                         |
| 1927                                                   | 56,930            | 83,648        | 946,361                 | 1.47           | 11.30               | 1,550                                            | 1,211,311                 | 250,462                 | 779            | 20.7                         |
| 1928                                                   | 53,305            | 72,586        | 887,296                 | 1.30           | 12.22               | 1,864                                            | 1,373,214                 | 274,136                 | 737            | 20.0                         |
| 1929                                                   | 55,017            | 76,110        | 928,063                 | 1.38           | 12.19               | 1,980                                            | 1,532,625                 | 280,976                 | 774            | 18.3                         |
| 1930                                                   | 52,623            | 68,566        | 802,231                 | 1.21           | 12.62               | 2,124                                            | 1,648,220                 | 210,860                 | 776            | 12.8                         |
| 1931                                                   | 54,136            | 65,841        | 590,255                 | 1.21           | 9.03                | 1,987                                            | 1,564,437                 | 128,554                 | 787            | 8.2                          |
| 1932                                                   | 53,452            | 70,351        | 698,015                 | 1.32           | 9.05                | 1,404                                            | 1,017,317                 | 107,297                 | 725            | 10.5                         |
| 1933                                                   | 53,965            | 66,130        | 536,461                 | 1.23           | 8.11                | 1,738                                            | 1,371,131                 | 178,349                 | 789            | 13.0                         |
| 1934                                                   | 51,828            | 52,269        | 729,665                 | 1.01           | 13.96               | 1,279                                            | 1,081,029                 | 224,669                 | 846            | 21.3                         |
| 1935 (prel.)                                           | 52,026            | 75,619        | 582,480                 | 1.45           | 7.70                | 1,437                                            | 1,296,810                 | 237,011                 | 902            | 18.3                         |
| Wild hay <sup>3</sup>                                  |                   |               |                         |                |                     | Sweet sorghum for forage and hay <sup>3 20</sup> |                           |                         |                |                              |
|                                                        | 1,000 acres       | 1,000 tons    | 1,000 dollars           | Short tons     | Dollars per ton     | 1,000 acres                                      | 1,000 tons                | 1,000 dollars           | Short tons     | Dollars per ton              |
| 1916-1920                                              | 16,320            | 16,161        | 204,048                 | 0.99           | 12.62               | 1,944                                            | 3,496                     | 32,141                  | 1.80           | 9.19                         |
| 1921-1925                                              | 15,456            | 13,260        | 101,761                 | .86            | 7.67                | 1,753                                            | 3,152                     | 26,781                  | 1.80           | 8.50                         |
| 1926-1930                                              | 13,679            | 11,442        | 87,348                  | .84            | 7.63                | 2,918                                            | 3,997                     | 23,008                  | 1.37           | 5.98                         |
| 1931-1935                                              | 11,777            | 8,912         | 49,092                  | .76            | 5.68                | 1,588                                            | 2,650                     | 22,510                  | 1.67           | 8.40                         |
| 1929                                                   | 13,571            | 11,175        | 89,854                  | .82            | 8.04                | 1,606                                            | 2,327                     | 20,258                  | 1.45           | 8.71                         |
| 1930                                                   | 13,789            | 10,694        | 75,870                  | .78            | 7.09                | 2,172                                            | 3,230                     | 19,176                  | 1.56           | 5.87                         |
| 1931                                                   | 11,862            | 8,162         | 50,344                  | .69            | 6.17                | 2,409                                            | 3,591                     | 14,301                  | 1.49           | 3.99                         |
| 1932                                                   | 14,048            | 11,920        | 47,686                  | .85            | 3.99                | 3,217                                            | 4,526                     | 22,796                  | 1.41           | 5.04                         |
| 1933                                                   | 12,063            | 8,412         | 43,522                  | .70            | 5.17                | 3,296                                            | 3,432                     | 34,876                  | 1.04           | 10.10                        |
| 1934                                                   | 8,823             | 4,720         | 54,296                  | .55            | 11.48               | 3,498                                            | 5,058                     | 28,392                  | 1.45           | 5.61                         |
| 1935                                                   | 12,300            | 11,338        | 52,714                  | .92            | 4.65                |                                                  |                           |                         |                |                              |
| Cranberries (principal producing States) <sup>21</sup> |                   |               |                         |                |                     | Oranges (2 States) <sup>22</sup>                 |                           |                         |                |                              |
|                                                        | 1,000 acres       | 1,000 barrels | 1,000 dollars           | Barrels        | Dolls. per barrel   |                                                  | 1,000 boxes <sup>23</sup> | 1,000 dollars           |                | Dolls. per box <sup>24</sup> |
| 1916-1920                                              | 24                | 414           | 3,980                   | 17.3           | 9.61                |                                                  | 22,868                    | 64,896                  |                | 2.85                         |
| 1921-1925                                              | 27                | 549           | 5,749                   | 20.3           | 10.47               |                                                  | 31,456                    | 84,077                  |                | 2.73                         |
| 1926-1930                                              | 28                | 580           | 6,517                   | 20.7           | 11.24               |                                                  | 42,585                    | 110,308                 |                | 2.79                         |
| 1931-1935                                              | 27                | 577           | 4,517                   | 21.0           | 7.83                |                                                  | 52,321                    | 75,878                  |                | 1.45                         |
| 1929                                                   | 29                | 549           | 7,188                   | 19.2           | 13.10               |                                                  | 31,787                    | 113,872                 |                | 3.58                         |
| 1930                                                   | 28                | 560           | 5,688                   | 20.2           | 10.15               |                                                  | 54,681                    | 89,706                  |                | 1.64                         |
| 1931                                                   | 28                | 666           | 3,902                   | 24.0           | 5.99                |                                                  | 40,120                    | 65,408                  |                | 1.33                         |
| 1932                                                   | 27                | 585           | 4,169                   | 21.4           | 7.13                |                                                  | 50,465                    | 54,965                  |                | 1.09                         |
| 1933                                                   | 27                | 704           | 3,950                   | 25.7           | 5.61                |                                                  | 46,539                    | 72,857                  |                | 1.57                         |
| 1934                                                   | 27                | 443           | 4,743                   | 16.2           | 10.70               |                                                  | 63,686                    | 86,799                  |                | 1.36                         |
| 1935 (prel.)                                           | 27                | 486           | 5,732                   | 17.8           | 11.78               |                                                  | 51,794                    | 99,363                  |                | 1.92                         |

<sup>1</sup> Values are based on prices for crop-marketing season, Dec. 1 or Nov. 15 prices. See notes on "Price."

<sup>3</sup> Figures for 1924 to 1935 have been revised to conform to the 1935 census data.

<sup>15</sup> Received by producers. Prices are as of Dec. 1 except as noted.

<sup>16</sup> Prices are weighted average prices for the crop marketing season.

<sup>20</sup> Not included in tame hay.

<sup>21</sup> Beginning 1932 prices are weighted average prices for the crop marketing season.

<sup>22</sup> Production figures include fruit consumed on farms, sold locally, and used for manufacturing, as well as that shipped; they exclude fruit which ripened on the trees but was destroyed prior to picking. For California, figures relate to the crop produced from the bloom of the year shown, fruiting through the winter and the following spring and summer, being picked from Nov. 1 of the year shown to Oct. 31 of the following year. Fruit picked after the latter date is included with the crop of the following year. For Florida, estimates include all fruit picked after about Sept. 1 of the year shown.

<sup>23</sup> Net content of boxes varies. In California, the approximate average is 70 lbs.; in Florida, 90 lbs.

<sup>24</sup> Season average prices. California prices are for bulk fruit at the packing-house door; Florida prices are for packed boxes minus selling charges on the fruit shipped out of the State and bulk prices for other marketings.

<sup>25</sup> Includes 977,000 boxes of California oranges for charity which are excluded in computing value.

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 625.—SPRING AND WINTER WHEAT: ACREAGE AND PRODUCTION

[Acreage in thousands and production in thousands of bushels (number of pounds to a bushel, 60)]

| Year              | Winter wheat      |                |            |                                | Spring wheat<br>(including durum) |            |                                |
|-------------------|-------------------|----------------|------------|--------------------------------|-----------------------------------|------------|--------------------------------|
|                   | Acreage           |                | Production | Yield per<br>acre<br>(bushels) | Acreage<br>harvested              | Production | Yield per<br>acre<br>(bushels) |
|                   | Sown <sup>1</sup> | Har-<br>vested |            |                                |                                   |            |                                |
| 1917.             | 37,981            | 20,825         | 330,956    | 14.5                           | 19,962                            | 229,834    | 11.5                           |
| 1918.             | 43,399            | 37,171         | 556,600    | 15.0                           | 23,897                            | 347,624    | 14.5                           |
| 1919.             | 51,391            | 50,404         | 748,480    | 14.8                           | 23,296                            | 203,637    | 8.7                            |
| 1920.             | 46,505            | 40,409         | 613,227    | 15.2                           | 21,949                            | 230,060    | 10.5                           |
| 1921.             | 46,479            | 43,180         | 602,793    | 14.0                           | 21,406                            | 216,171    | 10.1                           |
| 1922.             | 47,415            | 41,646         | 571,459    | 13.7                           | 19,748                            | 275,190    | 13.9                           |
| 1923.             | 45,408            | 38,712         | 556,299    | 14.3                           | 18,208                            | 204,183    | 11.2                           |
| 1924.             | 33,638            | 35,418         | 573,563    | 16.2                           | 17,045                            | 268,064    | 15.7                           |
| 1925.             | 40,922            | 31,964         | 400,619    | 12.5                           | 20,479                            | 208,081    | 13.1                           |
| 1926.             | 40,804            | 37,597         | 631,607    | 16.8                           | 19,019                            | 200,606    | 10.5                           |
| 1927.             | 44,134            | 38,195         | 548,188    | 14.4                           | 21,433                            | 328,871    | 15.3                           |
| 1928.             | 48,431            | 36,853         | 470,060    | 15.7                           | 22,373                            | 335,307    | 15.0                           |
| 1929.             | 43,997            | 41,194         | 586,239    | 14.2                           | 22,138                            | 236,978    | 10.7                           |
| 1930.             | 45,032            | 41,069         | 633,605    | 15.4                           | 21,545                            | 262,865    | 11.7                           |
| 1931.             | 45,526            | 43,832         | 820,553    | 18.9                           | 14,233                            | 116,278    | 8.2                            |
| 1932.             | 43,371            | 38,056         | 491,795    | 13.6                           | 21,783                            | 265,132    | 12.2                           |
| 1933.             | 44,445            | 30,272         | 376,618    | 12.4                           | 19,166                            | 175,165    | 9.1                            |
| 1934.             | 44,585            | 34,638         | 437,963    | 12.6                           | 8,762                             | 88,430     | 10.1                           |
| 1935 <sup>2</sup> | 47,042            | 33,353         | 464,203    | 13.9                           | 17,996                            | 159,241    | 8.8                            |

<sup>1</sup> Acreage sown in preceding fall.<sup>2</sup> Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 626.—SWEETPOTATOES: ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Weight of a bushel of sweetpotatoes, 54 pounds

| State           | Acreage harvested |                |                   | Yield per acre |       |                   | Production    |               |                   | Price <sup>1</sup> for<br>crop of— |                   | Farm value <sup>2</sup> |                   |
|-----------------|-------------------|----------------|-------------------|----------------|-------|-------------------|---------------|---------------|-------------------|------------------------------------|-------------------|-------------------------|-------------------|
|                 | 1933              | 1934           | 1935 <sup>3</sup> | 1933           | 1934  | 1935 <sup>3</sup> | 1933          | 1934          | 1935 <sup>3</sup> | 1934                               | 1935 <sup>3</sup> | 1934                    | 1935 <sup>3</sup> |
|                 | 1,000<br>acres    | 1,000<br>acres | 1,000<br>acres    | Bush.          | Bush. | Bush.             | 1,000<br>bus. | 1,000<br>bus. | 1,000<br>bus.     | Cts.                               | Cts.              | 1,000<br>dolls.         | 1,000<br>dolls.   |
| United States.  | 908               | 968            | 970               | 88             | 81    | 86                | 75,248        | 77,482        | 83,198            | 80                                 | 70                | 61,805                  | 58,556            |
| New Jersey.     | 15                | 10             | 17                | 165            | 146   | 145               | 2,475         | 2,336         | 2,465             | 94                                 | 86                | 2,196                   | 2,120             |
| Indiana.        | 5                 | 0              | 5                 | 95             | 78    | 85                | 475           | 468           | 425               | 96                                 | 87                | 449                     | 370               |
| Illinois.       | 6                 | 7              | 8                 | 70             | 81    | 75                | 420           | 567           | 600               | 83                                 | 79                | 471                     | 474               |
| Iowa.           | 3                 | 2              | 3                 | 90             | 40    | 85                | 270           | 80            | 255               | 136                                | 106               | 109                     | 270               |
| Missouri.       | 11                | 13             | 14                | 75             | 58    | 75                | 825           | 754           | 1,050             | 98                                 | 88                | 739                     | 924               |
| Kansas.         | 5                 | 5              | 5                 | 98             | 50    | 70                | 490           | 250           | 350               | 123                                | 91                | 308                     | 318               |
| Delaware.       | 7                 | 0              | 7                 | 130            | 121   | 116               | 910           | 726           | 812               | 77                                 | 72                | 559                     | 585               |
| Maryland.       | 7                 | 7              | 8                 | 135            | 129   | 128               | 945           | 903           | 1,024             | 81                                 | 72                | 731                     | 737               |
| Virginia.       | 37                | 37             | 38                | 108            | 105   | 110               | 3,998         | 3,885         | 4,180             | 76                                 | 59                | 2,963                   | 2,466             |
| North Carolina. | 95                | 95             | 93                | 93             | 104   | 100               | 8,835         | 9,880         | 9,300             | 72                                 | 74                | 7,114                   | 6,882             |
| South Carolina. | 66                | 68             | 72                | 80             | 74    | 85                | 5,280         | 5,032         | 6,120             | 72                                 | 63                | 3,623                   | 3,856             |
| Georgia.        | 132               | 127            | 127               | 73             | 71    | 84                | 9,636         | 9,017         | 10,668            | 88                                 | 70                | 7,935                   | 7,468             |
| Florida.        | 22                | 21             | 23                | 62             | 71    | 70                | 1,364         | 1,491         | 1,610             | 95                                 | 85                | 1,416                   | 1,308             |
| Kentucky.       | 23                | 22             | 25                | 88             | 90    | 80                | 2,024         | 1,980         | 2,000             | 73                                 | 78                | 1,445                   | 1,560             |
| Tennessee.      | 60                | 59             | 58                | 90             | 103   | 80                | 4,500         | 6,077         | 4,640             | 66                                 | 59                | 4,011                   | 2,738             |
| Alabama.        | 101               | 111            | 103               | 71             | 85    | 86                | 7,171         | 9,435         | 8,858             | 85                                 | 72                | 8,020                   | 6,378             |
| Mississippi.    | 82                | 103            | 93                | 88             | 92    | 86                | 7,216         | 9,476         | 7,998             | 74                                 | 76                | 7,012                   | 6,078             |
| Arkansas.       | 42                | 43             | 47                | 88             | 55    | 65                | 3,698         | 2,408         | 3,055             | 89                                 | 76                | 2,143                   | 2,322             |
| Louisiana.      | 98                | 117            | 123               | 67             | 65    | 72                | 6,590         | 7,722         | 8,855             | 74                                 | 55                | 5,714                   | 5,136             |
| Oklahoma.       | 19                | 18             | 20                | 76             | 45    | 70                | 1,444         | 810           | 1,400             | 97                                 | 77                | 786                     | 1,078             |
| Texas.          | 72                | 65             | 70                | 80             | 49    | 90                | 5,760         | 3,185         | 6,300             | 98                                 | 66                | 3,121                   | 4,158             |
| California.     | 10                | 10             | 11                | 95             | 100   | 112               | 950           | 1,000         | 1,232             | 95                                 | 103               | 950                     | 1,269             |

<sup>1</sup> Weighted average price for the crop-marketing season.<sup>2</sup> Basis weighted average price for the crop-marketing season.<sup>3</sup> Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 627—POTATOES: ACREAGE, PRODUCTION,

NOTE—Weight of a bushel

| Division and State      | Acreage harvested    |                      |                      |                      |                      | Yield per acre     |             |             |             |                   |
|-------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------------|-------------|-------------|-------------|-------------------|
|                         | 1928-1932, average   | 1932                 | 1933                 | 1934                 | 1935 <sup>2</sup>    | 1923-1932, average | 1932        | 1933        | 1934        | 1935 <sup>2</sup> |
|                         | 1,000 acres<br>3,327 | 1,000 acres<br>3,549 | 1,000 acres<br>3,412 | 1,000 acres<br>3,597 | 1,000 acres<br>3,551 | Bus.<br>113        | Bus.<br>106 | Bus.<br>100 | Bus.<br>113 | Bus.<br>109       |
| United States.....      |                      |                      |                      |                      |                      |                    |             |             |             |                   |
| New England.....        | 230                  | 227                  | 212                  | 241                  | 233                  | 223                | 216         | 242         | 277         | 203               |
| Maine.....              | 175                  | 170                  | 150                  | 171                  | 162                  | 258                | 238         | 280         | 324         | 240               |
| N. Hampshire.....       | 9                    | 9                    | 9                    | 10                   | 10                   | 141                | 160         | 175         | 172         | 115               |
| Vermont.....            | 16                   | 17                   | 17                   | 19                   | 19                   | 132                | 140         | 122         | 160         | 115               |
| Massachusetts.....      | 13                   | 14                   | 17                   | 19                   | 19                   | 123                | 145         | 148         | 140         | 104               |
| Rhode Island.....       | 3                    | 3                    | 3                    | 4                    | 4                    | 139                | 160         | 180         | 185         | 175               |
| Connecticut.....        | 14                   | 14                   | 16                   | 18                   | 19                   | 132                | 165         | 160         | 176         | 132               |
| Middle Atlantic.....    | 485                  | 508                  | 494                  | 547                  | 528                  | 118                | 126         | 121         | 145         | 117               |
| New York.....           | 230                  | 245                  | 238                  | 269                  | 263                  | 118                | 135         | 123         | 143         | 110               |
| New Jersey.....         | 41                   | 46                   | 46                   | 52                   | 52                   | 144                | 150         | 152         | 160         | 166               |
| Pennsylvania.....       | 214                  | 215                  | 211                  | 226                  | 224                  | 112                | 110         | 113         | 145         | 114               |
| East North Central..... | 744                  | 832                  | 831                  | 885                  | 891                  | 97                 | 95          | 69          | 105         | 88                |
| Ohio.....               | 119                  | 130                  | 139                  | 140                  | 163                  | 96                 | 99          | 72          | 105         | 108               |
| Indiana.....            | 67                   | 68                   | 67                   | 74                   | 78                   | 90                 | 90          | 66          | 96          | 80                |
| Illinois.....           | 50                   | 54                   | 48                   | 52                   | 50                   | 87                 | 90          | 33          | 59          | 82                |
| Michigan.....           | 257                  | 291                  | 311                  | 323                  | 323                  | 99                 | 104         | 75          | 112         | 87                |
| Wisconsin.....          | 261                  | 283                  | 266                  | 296                  | 287                  | 100                | 87          | 70          | 108         | 82                |
| West North Central..... | 830                  | 931                  | 843                  | 812                  | 848                  | 87                 | 78          | 63          | 51          | 83                |
| Minnesota.....          | 353                  | 379                  | 339                  | 359                  | 350                  | 93                 | 78          | 65          | 57          | 84                |
| Iowa.....               | 75                   | 76                   | 82                   | 92                   | 96                   | 90                 | 110         | 98          | 63          | 75                |
| Missouri.....           | 57                   | 62                   | 60                   | 55                   | 58                   | 89                 | 95          | 46          | 32          | 78                |
| North Dakota.....       | 128                  | 167                  | 154                  | 138                  | 135                  | 77                 | 58          | 62          | 45          | 98                |
| South Dakota.....       | 57                   | 68                   | 54                   | 40                   | 50                   | 77                 | 67          | 40          | 30          | 68                |
| Nebraska.....           | 117                  | 135                  | 115                  | 95                   | 126                  | 82                 | 70          | 80          | 50          | 80                |
| Kansas.....             | 45                   | 44                   | 39                   | 33                   | 31                   | 99                 | 115         | 50          | 34          | 75                |
| South Atlantic.....     | 322                  | 291                  | 299                  | 344                  | 314                  | 109                | 92          | 90          | 113         | 105               |
| Delaware.....           | 5                    | 6                    | 6                    | 7                    | 6                    | 86                 | 85          | 74          | 98          | 94                |
| Maryland.....           | 32                   | 31                   | 30                   | 34                   | 33                   | 102                | 92          | 95          | 102         | 95                |
| Virginia.....           | 109                  | 93                   | 95                   | 108                  | 90                   | 126                | 103         | 92          | 131         | 126               |
| West Virginia.....      | 38                   | 37                   | 40                   | 43                   | 37                   | 94                 | 85          | 63          | 70          | 85                |
| North Carolina.....     | 74                   | 68                   | 77                   | 94                   | 85                   | 98                 | 97          | 95          | 115         | 107               |
| South Carolina.....     | 22                   | 17                   | 16                   | 20                   | 18                   | 122                | 90          | 108         | 124         | 106               |
| Georgia.....            | 14                   | 15                   | 16                   | 17                   | 18                   | 64                 | 64          | 62          | 74          | 70                |
| Florida.....            | 28                   | 24                   | 19                   | 26                   | 27                   | 105                | 70          | 130         | 139         | 97                |
| East South Central..... | 133                  | 135                  | 135                  | 147                  | 146                  | 78                 | 72          | 67          | 78          | 80                |
| Kentucky.....           | 50                   | 51                   | 49                   | 49                   | 52                   | 84                 | 77          | 66          | 70          | 86                |
| Tennessee.....          | 42                   | 41                   | 43                   | 47                   | 45                   | 73                 | 69          | 66          | 77          | 71                |
| Alabama.....            | 30                   | 32                   | 32                   | 34                   | 33                   | 76                 | 69          | 72          | 93          | 85                |
| Mississippi.....        | 11                   | 14                   | 14                   | 17                   | 16                   | 72                 | 70          | 62          | 75          | 71                |
| West South Central..... | 169                  | 178                  | 169                  | 178                  | 175                  | 70                 | 65          | 59          | 59          | 67                |
| Arkansas.....           | 37                   | 40                   | 42                   | 44                   | 45                   | 75                 | 65          | 64          | 58          | 81                |
| Louisiana.....          | 38                   | 40                   | 38                   | 42                   | 39                   | 60                 | 51          | 54          | 60          | 65                |
| Oklahoma.....           | 42                   | 40                   | 35                   | 39                   | 39                   | 75                 | 80          | 62          | 59          | 70                |
| Texas.....              | 52                   | 58                   | 54                   | 51                   | 49                   | 68                 | 63          | 58          | 60          | 54                |
| Mountain.....           | 280                  | 311                  | 291                  | 290                  | 281                  | 158                | 137         | 168         | 128         | 171               |
| Montana.....            | 21                   | 22                   | 23                   | 23                   | 23                   | 101                | 100         | 90          | 78          | 85                |
| Idaho.....              | 104                  | 114                  | 111                  | 124                  | 104                  | 201                | 200         | 230         | 199         | 216               |
| Wyoming.....            | 28                   | 34                   | 33                   | 28                   | 29                   | 102                | 50          | 100         | 43          | 96                |
| Colorado.....           | 104                  | 115                  | 98                   | 93                   | 100                  | 149                | 110         | 150         | 84          | 180               |
| New Mexico.....         | 5                    | 6                    | 7                    | 5                    | 6                    | 68                 | 72          | 80          | 63          | 70                |
| Arizona.....            | 3                    | 3                    | 3                    | 2                    | 2                    | 72                 | 85          | 80          | 65          | 70                |
| Utah.....               | 13                   | 15                   | 14                   | 13                   | 14                   | 153                | 150         | 150         | 115         | 150               |
| Nevada.....             | 4                    | 2                    | 2                    | 2                    | 3                    | 142                | 150         | 140         | 151         | 160               |
| Pacific.....            | 132                  | 135                  | 134                  | 155                  | 138                  | 157                | 155         | 189         | 179         | 184               |
| Washington.....         | 51                   | 51                   | 52                   | 57                   | 48                   | 183                | 180         | 180         | 163         | 185               |
| Oregon.....             | 40                   | 48                   | 46                   | 52                   | 42                   | 117                | 120         | 160         | 144         | 185               |
| California.....         | 41                   | 36                   | 36                   | 46                   | 48                   | 185                | 193         | 240         | 240         | 245               |

<sup>1</sup> Weighted average price for the crop-marketing season.<sup>2</sup> Based on weighted average price for the crop-marketing season.

AND FARM VALUE, BY STATES

of potatoes, 80 pounds

| Production                |                           |                           |                           |                           | Price <sup>1</sup> for crop of— |                    |                    |                    | Farm value <sup>2</sup>   |                           | Division and State |
|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------------|--------------------|--------------------|--------------------|---------------------------|---------------------------|--------------------|
| 1928-1932, average        | 1932                      | 1933                      | 1934                      | 1935 <sup>3</sup>         | 1932                            | 1933               | 1934               | 1935 <sup>3</sup>  | 1934                      | 1935 <sup>3</sup>         |                    |
| 1,000 bushels<br>372, 116 | 1,000 bushels<br>376, 425 | 1,000 bushels<br>342, 308 | 1,000 bushels<br>406, 105 | 1,000 bushels<br>387, 878 | Cts. per bu.<br>39              | Cts. per bu.<br>32 | Cts. per bu.<br>45 | Cts. per bu.<br>60 | 1,000 dollars<br>181, 857 | 1,000 dollars<br>231, 233 |                    |
| 51, 586                   | 49, 096                   | 51, 304                   | 66, 695                   | 47, 276                   | 31                              | 79                 | 26                 | 70                 | 17, 533                   | 32, 917                   | N. E.              |
| 44, 078                   | 40, 400                   | 42, 000                   | 55, 404                   | 38, 880                   | 25                              | 70                 | 20                 | 66                 | 11, 081                   | 25, 661                   | Maine.             |
| 1, 850                    | 1, 456                    | 1, 628                    | 1, 772                    | 1, 150                    | 55                              | 107                | 54                 | 91                 | 957                       | 1, 046                    | N. H.              |
| 2, 200                    | 2, 310                    | 2, 098                    | 2, 960                    | 2, 128                    | 47                              | 105                | 46                 | 95                 | 1, 302                    | 2, 022                    | Vt.                |
| 1, 598                    | 2, 030                    | 2, 442                    | 2, 618                    | 1, 946                    | 70                              | 136                | 67                 | 79                 | 1, 754                    | 1, 537                    | Mass.              |
| 370                       | 480                       | 576                       | 703                       | 718                       | 74                              | 145                | 62                 | 82                 | 436                       | 589                       | R. I.              |
| 1, 078                    | 2, 360                    | 2, 560                    | 3, 238                    | 2, 455                    | 56                              | 118                | 60                 | 84                 | 1, 943                    | 2, 062                    | Conn.              |
| 59, 198                   | 63, 625                   | 59, 957                   | 70, 557                   | 61, 998                   | 48                              | 110                | 43                 | 66                 | 33, 638                   | 40, 790                   | M. A.              |
| 27, 042                   | 33, 076                   | 29, 274                   | 38, 467                   | 27, 830                   | 49                              | 103                | 40                 | 69                 | 15, 387                   | 19, 203                   | N. Y.              |
| 6, 603                    | 6, 900                    | 6, 840                    | 8, 320                    | 8, 632                    | 47                              | 137                | 50                 | 43                 | 4, 160                    | 3, 712                    | N. J.              |
| 24, 053                   | 23, 050                   | 23, 843                   | 32, 770                   | 25, 630                   | 43                              | 111                | 43                 | 70                 | 14, 091                   | 17, 875                   | Pa.                |
| 68, 826                   | 79, 329                   | 67, 289                   | 93, 016                   | 78, 499                   | 33                              | 82                 | 40                 | 57                 | 36, 908                   | 44, 556                   | E. N. C.           |
| 11, 435                   | 13, 464                   | 10, 008                   | 14, 700                   | 16, 524                   | 53                              | 112                | 56                 | 61                 | 8, 232                    | 10, 080                   | Ohio.              |
| 5, 198                    | 6, 120                    | 3, 762                    | 7, 104                    | 6, 240                    | 46                              | 99                 | 60                 | 70                 | 4, 262                    | 4, 368                    | Ind.               |
| 4, 611                    | 4, 860                    | 1, 584                    | 3, 068                    | 4, 100                    | 57                              | 128                | 98                 | 72                 | 3, 007                    | 2, 952                    | Ill.               |
| 23, 371                   | 30, 204                   | 23, 325                   | 30, 176                   | 28, 101                   | 26                              | 74                 | 30                 | 55                 | 10, 453                   | 15, 456                   | Mich.              |
| 24, 311                   | 24, 021                   | 18, 620                   | 31, 968                   | 23, 634                   | 24                              | 70                 | 33                 | 51                 | 10, 549                   | 12, 002                   | Wis.               |
| 69, 300                   | 73, 564                   | 53, 229                   | 41, 301                   | 70, 159                   | 30                              | 73                 | 56                 | 48                 | 22, 979                   | 33, 794                   | W. N. C.           |
| 27, 020                   | 26, 502                   | 22, 085                   | 20, 463                   | 29, 400                   | 23                              | 61                 | 37                 | 42                 | 7, 571                    | 12, 348                   | Minn.              |
| 7, 047                    | 8, 300                    | 5, 576                    | 5, 796                    | 7, 200                    | 39                              | 105                | 82                 | 66                 | 4, 753                    | 4, 752                    | Iowa.              |
| 5, 451                    | 5, 890                    | 2, 760                    | 1, 760                    | 4, 524                    | 52                              | 107                | 78                 | 67                 | 1, 373                    | 3, 031                    | Mo.                |
| 8, 807                    | 9, 088                    | 9, 548                    | 6, 210                    | 13, 230                   | 23                              | 60                 | 56                 | 38                 | 3, 478                    | 5, 027                    | N. Dak.            |
| 3, 971                    | 4, 556                    | 2, 160                    | 1, 200                    | 3, 400                    | 25                              | 68                 | 36                 | 49                 | 1, 032                    | 1, 666                    | S. Dak.            |
| 9, 520                    | 9, 480                    | 0, 200                    | 4, 750                    | 10, 080                   | 34                              | 71                 | 38                 | 56                 | 3, 942                    | 5, 645                    | Nebr.              |
| 4, 878                    | 5, 060                    | 1, 950                    | 1, 122                    | 2, 325                    | 41                              | 114                | 74                 | 57                 | 830                       | 1, 325                    | Kans.              |
| 35, 702                   | 26, 858                   | 27, 059                   | 38, 319                   | 33, 048                   | 66                              | 97                 | 61                 | 61                 | 23, 718                   | 20, 202                   | S. A.              |
| 406                       | 516                       | 444                       | 686                       | 664                       | 53                              | 101                | 55                 | 60                 | 377                       | 372                       | Dol.               |
| 3, 339                    | 2, 852                    | 2, 850                    | 3, 498                    | 3, 135                    | 54                              | 104                | 49                 | 53                 | 1, 099                    | 1, 662                    | Md.                |
| 14, 328                   | 9, 570                    | 8, 740                    | 13, 493                   | 11, 340                   | 61                              | 99                 | 49                 | 48                 | 6, 612                    | 5, 443                    | Va.                |
| 3, 445                    | 3, 145                    | 2, 520                    | 3, 010                    | 3, 145                    | 57                              | 110                | 81                 | 70                 | 2, 438                    | 2, 202                    | W. Va.             |
| 7, 540                    | 6, 596                    | 7, 315                    | 10, 810                   | 9, 095                    | 68                              | 87                 | 55                 | 62                 | 5, 946                    | 5, 639                    | N. C.              |
| 2, 748                    | 1, 530                    | 1, 728                    | 2, 430                    | 1, 830                    | 39                              | 90                 | 61                 | 65                 | 1, 513                    | 1, 228                    | S. C.              |
| 939                       | 960                       | 962                       | 1, 258                    | 1, 260                    | 73                              | 96                 | 33                 | 76                 | 1, 044                    | 958                       | Ga.                |
| 2, 956                    | 1, 680                    | 2, 470                    | 3, 614                    | 2, 619                    | 109                             | 100                | 113                | 103                | 4, 084                    | 2, 698                    | Fla.               |
| 10, 440                   | 9, 944                    | 9, 244                    | 11, 486                   | 11, 608                   | 72                              | 90                 | 72                 | 69                 | 8, 217                    | 8, 032                    | E. S. C.           |
| 4, 207                    | 3, 927                    | 3, 234                    | 3, 430                    | 4, 472                    | 64                              | 103                | 77                 | 72                 | 2, 641                    | 3, 220                    | Ky.                |
| 3, 040                    | 2, 829                    | 2, 838                    | 3, 619                    | 3, 195                    | 75                              | 94                 | 77                 | 63                 | 2, 787                    | 2, 013                    | Tenn.              |
| 2, 359                    | 2, 208                    | 2, 304                    | 3, 162                    | 2, 805                    | 84                              | 68                 | 62                 | 67                 | 1, 960                    | 1, 870                    | Ala.               |
| 834                       | 980                       | 868                       | 1, 275                    | 1, 136                    | 72                              | 91                 | 66                 | 81                 | 829                       | 920                       | Miss.              |
| 12, 302                   | 11, 494                   | 10, 042                   | 10, 433                   | 11, 799                   | 70                              | 86                 | 64                 | 69                 | 6, 675                    | 8, 098                    | W. S. C.           |
| 3, 010                    | 2, 000                    | 2, 088                    | 2, 552                    | 3, 388                    | 64                              | 86                 | 52                 | 64                 | 1, 327                    | 2, 488                    | Ark.               |
| 2, 355                    | 2, 040                    | 2, 052                    | 2, 620                    | 2, 635                    | 84                              | 76                 | 53                 | 69                 | 1, 836                    | 1, 749                    | La.                |
| 3, 245                    | 3, 200                    | 2, 170                    | 2, 301                    | 2, 730                    | 53                              | 95                 | 56                 | 60                 | 1, 289                    | 1, 638                    | Okl.               |
| 3, 092                    | 3, 654                    | 3, 132                    | 3, 060                    | 2, 640                    | 80                              | 86                 | 59                 | 84                 | 2, 723                    | 2, 223                    | Tex.               |
| 43, 913                   | 42, 647                   | 48, 822                   | 36, 979                   | 47, 941                   | 28                              | 59                 | 46                 | 53                 | 17, 141                   | 25, 223                   | Mt.                |
| 2, 042                    | 2, 200                    | 2, 070                    | 1, 794                    | 1, 955                    | 40                              | 65                 | 75                 | 79                 | 1, 846                    | 1, 544                    | Mont.              |
| 21, 723                   | 22, 800                   | 25, 530                   | 23, 932                   | 22, 360                   | 22                              | 52                 | 37                 | 48                 | 8, 855                    | 10, 733                   | Idaho.             |
| 2, 422                    | 1, 700                    | 3, 300                    | 1, 204                    | 2, 610                    | 35                              | 66                 | 79                 | 62                 | 951                       | 1, 618                    | Wyo.               |
| 14, 554                   | 12, 650                   | 14, 700                   | 7, 812                    | 18, 000                   | 26                              | 61                 | 59                 | 53                 | 4, 609                    | 9, 540                    | Colo.              |
| 346                       | 432                       | 560                       | 265                       | 420                       | 80                              | 131                | 92                 | 78                 | 244                       | 328                       | N. Mex.            |
| 222                       | 255                       | 240                       | 130                       | 140                       | 93                              | 108                | 105                | 86                 | 136                       | 120                       | Ariz.              |
| 2, 082                    | 2, 250                    | 2, 100                    | 1, 495                    | 2, 040                    | 28                              | 77                 | 53                 | 51                 | 792                       | 1, 040                    | Utah.              |
| 491                       | 360                       | 322                       | 347                       | 416                       | 40                              | 70                 | 60                 | 72                 | 203                       | 300                       | Nev.               |
| 20, 849                   | 20, 898                   | 25, 380                   | 27, 519                   | 25, 350                   | 46                              | 71                 | 54                 | 68                 | 15, 058                   | 17, 319                   | Pac.               |
| 8, 047                    | 8, 160                    | 9, 360                    | 9, 291                    | 7, 920                    | 41                              | 68                 | 54                 | 78                 | 5, 017                    | 6, 019                    | Wash.              |
| 5, 084                    | 5, 760                    | 7, 380                    | 7, 488                    | 5, 670                    | 41                              | 61                 | 53                 | 79                 | 3, 969                    | 4, 479                    | Oreg.              |
| 7, 718                    | 6, 948                    | 8, 640                    | 11, 040                   | 11, 760                   | 57                              | 83                 | 55                 | 58                 | 6, 072                    | 6, 821                    | Calif.             |

<sup>3</sup> Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 628.—CORN: ACREAGE, PRODUCTION,

NOTE.—Weight of a bushel of corn, 56 pounds. This table covers corn for all purposes, including hogged

| Division and State | Acreage harvested      |                        |                        |                       |                       | Yield per acre     |              |              |              |                   |
|--------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|--------------------|--------------|--------------|--------------|-------------------|
|                    | 1928-1932, average     | 1932                   | 1933                   | 1934                  | 1935 <sup>1</sup>     | 1923-1932, average | 1932         | 1933         | 1934         | 1935 <sup>1</sup> |
|                    | 1,000 acres<br>103,341 | 1,000 acres<br>110,325 | 1,000 acres<br>105,724 | 1,000 acres<br>92,133 | 1,000 acres<br>95,383 | Bus.<br>25.4       | Bus.<br>26.6 | Bus.<br>22.7 | Bus.<br>18.0 | Bus.<br>24.0      |
| United States..    |                        |                        |                        |                       |                       |                    |              |              |              |                   |
| New England..      | 188                    | 199                    | 203                    | 205                   | 215                   | 40.2               | 40.0         | 38.0         | 38.4         | 39.8              |
| Maine.....         | 13                     | 14                     | 15                     | 13                    | 12                    | 38.6               | 41.0         | 40.0         | 35.0         | 38.0              |
| N. Hampshire..     | 13                     | 15                     | 16                     | 16                    | 17                    | 41.0               | 39.0         | 41.0         | 40.0         | 41.0              |
| Vermont.....       | 64                     | 70                     | 72                     | 79                    | 84                    | 39.0               | 41.0         | 30.0         | 38.0         | 36.0              |
| Massachusetts..    | 39                     | 38                     | 38                     | 37                    | 40                    | 41.0               | 40.0         | 40.0         | 41.0         | 41.0              |
| Rhode Island..     | 8                      | 8                      | 9                      | 8                     | 9                     | 40.1               | 38.0         | 41.0         | 34.0         | 42.0              |
| Connecticut....    | 51                     | 54                     | 53                     | 52                    | 53                    | 39.4               | 39.0         | 37.0         | 38.0         | 39.0              |
| Middle Atlantic..  | 2,019                  | 2,117                  | 2,188                  | 2,201                 | 2,318                 | 37.6               | 36.7         | 36.8         | 37.4         | 40.8              |
| New York.....      | 684                    | 629                    | 623                    | 698                   | 734                   | 34.2               | 35.0         | 31.0         | 34.5         | 34.0              |
| New Jersey....     | 179                    | 182                    | 187                    | 185                   | 200                   | 39.1               | 40.0         | 36.0         | 36.5         | 43.5              |
| Pennsylvania..     | 1,256                  | 1,306                  | 1,358                  | 1,318                 | 1,384                 | 39.0               | 37.0         | 30.5         | 39.0         | 44.0              |
| E. North Central.. | 20,917                 | 21,991                 | 20,785                 | 19,432                | 20,140                | 35.0               | 39.6         | 30.0         | 25.6         | 38.7              |
| Ohio.....          | 3,598                  | 3,681                  | 3,681                  | 3,317                 | 3,582                 | 36.7               | 36.6         | 34.0         | 32.0         | 44.0              |
| Indiana.....       | 4,563                  | 4,683                  | 4,402                  | 4,061                 | 4,223                 | 34.6               | 37.5         | 29.5         | 27.0         | 38.0              |
| Illinois.....      | 9,323                  | 9,317                  | 8,835                  | 7,805                 | 8,273                 | 36.0               | 43.0         | 27.0         | 21.5         | 38.5              |
| Michigan.....      | 1,364                  | 1,542                  | 1,511                  | 1,588                 | 1,667                 | 20.9               | 35.0         | 31.0         | 22.5         | 30.5              |
| Wisconsin.....     | 2,009                  | 2,268                  | 2,336                  | 2,061                 | 2,395                 | 32.0               | 37.0         | 35.0         | 29.0         | 34.0              |
| W. North Central.. | 45,015                 | 47,708                 | 46,186                 | 33,831                | 35,750                | 27.1               | 28.6         | 24.8         | 12.3         | 22.8              |
| Minnesota.....     | 4,590                  | 4,945                  | 4,846                  | 4,758                 | 4,514                 | 31.2               | 30.0         | 29.5         | 20.0         | 33.0              |
| Iowa.....          | 11,453                 | 11,849                 | 11,493                 | 9,358                 | 9,826                 | 37.8               | 43.0         | 40.0         | 25.0         | 38.0              |
| Missouri.....      | 6,223                  | 6,472                  | 6,019                  | 4,925                 | 5,340                 | 25.0               | 27.5         | 23.5         | 6.5          | 18.5              |
| North Dakota..     | 1,117                  | 1,404                  | 1,530                  | 1,591                 | 1,305                 | 18.5               | 17.0         | 13.6         | 4.5          | 17.5              |
| South Dakota..     | 4,961                  | 6,030                  | 3,873                  | 2,746                 | 3,707                 | 19.2               | 14.0         | 10.6         | 5.0          | 13.5              |
| Nebraska.....      | 9,803                  | 10,644                 | 10,431                 | 6,676                 | 8,078                 | 24.0               | 25.0         | 22.5         | 3.2          | 13.2              |
| Kansas.....        | 0,868                  | 7,362                  | 6,994                  | 3,777                 | 4,380                 | 19.3               | 19.0         | 11.5         | 3.5          | 0.0               |
| South Atlantic.... | 10,688                 | 11,478                 | 11,689                 | 11,878                | 12,469                | 15.8               | 13.6         | 15.5         | 14.2         | 16.0              |
| Delaware.....      | 140                    | 147                    | 146                    | 139                   | 142                   | 27.1               | 28.0         | 26.0         | 20.0         | 26.0              |
| Maryland.....      | 507                    | 519                    | 535                    | 482                   | 518                   | 31.0               | 29.5         | 29.0         | 29.0         | 34.0              |
| Virginia.....      | 1,489                  | 1,466                  | 1,539                  | 1,418                 | 1,501                 | 21.7               | 18.0         | 22.5         | 22.0         | 24.5              |
| West Virginia..    | 480                    | 497                    | 552                    | 530                   | 572                   | 25.0               | 24.0         | 27.0         | 24.5         | 20.0              |
| North Carolina..   | 2,186                  | 2,322                  | 2,392                  | 2,429                 | 2,478                 | 17.9               | 15.0         | 18.0         | 17.6         | 16.0              |
| South Carolina..   | 1,525                  | 1,656                  | 1,623                  | 1,764                 | 1,852                 | 13.6               | 11.0         | 14.5         | 10.5         | 12.5              |
| Georgia.....       | 3,676                  | 4,125                  | 4,043                  | 4,399                 | 4,619                 | 10.4               | 9.5          | 9.5          | 8.8          | 10.5              |
| Florida.....       | 685                    | 747                    | 709                    | 717                   | 789                   | 10.8               | 8.5          | 8.0          | 8.7          | 9.5               |
| E. South Central.. | 10,885                 | 11,658                 | 11,537                 | 12,390                | 12,098                | 18.0               | 17.1         | 18.6         | 16.9         | 18.7              |
| Kentucky.....      | 2,919                  | 2,866                  | 2,866                  | 2,858                 | 2,829                 | 22.4               | 23.0         | 24.5         | 22.0         | 22.0              |
| Tennessee.....     | 2,921                  | 3,046                  | 2,985                  | 2,859                 | 2,802                 | 20.9               | 20.3         | 23.5         | 21.2         | 20.0              |
| Alabama.....       | 2,808                  | 3,196                  | 3,163                  | 3,649                 | 3,503                 | 12.9               | 11.6         | 12.2         | 12.2         | 13.0              |
| Mississippi....    | 2,177                  | 2,548                  | 2,523                  | 3,024                 | 2,904                 | 14.7               | 13.5         | 15.0         | 13.6         | 13.0              |
| W. South Central.. | 11,202                 | 12,348                 | 11,694                 | 10,790                | 10,242                | 16.4               | 17.9         | 11.6         | 7.9          | 16.5              |
| Arkansas.....      | 1,974                  | 2,150                  | 2,171                  | 2,373                 | 2,183                 | 10.3               | 18.0         | 13.5         | 8.0          | 12.0              |
| Louisiana.....     | 1,299                  | 1,505                  | 1,429                  | 1,599                 | 1,628                 | 14.5               | 14.2         | 13.0         | 9.6          | 17.0              |
| Oklahoma.....      | 3,184                  | 3,288                  | 2,861                  | 1,945                 | 1,848                 | 10.7               | 20.0         | 7.6          | 5.8          | 14.0              |
| Texas.....         | 4,745                  | 5,403                  | 5,133                  | 4,876                 | 4,583                 | 16.8               | 17.5         | 13.0         | 8.2          | 19.5              |
| Mountain.....      | 2,264                  | 2,635                  | 2,488                  | 1,293                 | 1,956                 | 13.8               | 9.1          | 11.5         | 6.9          | 10.1              |
| Montana.....       | 133                    | 132                    | 174                    | 100                   | 100                   | 11.8               | 11.2         | 7.4          | 5.3          | 10.8              |
| Idaho.....         | 38                     | 50                     | 41                     | 27                    | 26                    | 33.7               | 33.5         | 34.0         | 35.0         | 30.5              |
| Wyoming.....       | 188                    | 228                    | 226                    | 143                   | 229                   | 13.9               | 9.0          | 11.0         | 6.0          | 10.0              |
| Colorado.....      | 1,513                  | 1,859                  | 1,785                  | 844                   | 1,266                 | 13.2               | 7.5          | 11.0         | 4.0          | 8.5               |
| New Mexico....     | 243                    | 237                    | 206                    | 95                    | 200                   | 14.2               | 12.0         | 13.5         | 13.0         | 13.5              |
| Arizona.....       | 30                     | 35                     | 35                     | 31                    | 35                    | 16.3               | 15.0         | 18.0         | 13.0         | 13.0              |
| Utah.....          | 17                     | 22                     | 19                     | 16                    | 22                    | 25.5               | 27.0         | 22.0         | 16.0         | 20.5              |
| Nevada.....        | 2                      | 2                      | 2                      | 1                     | 2                     | 24.7               | 24.0         | 22.0         | 30.8         | 24.0              |
| Pacific.....       | 132                    | 198                    | 184                    | 145                   | 146                   | 31.6               | 30.4         | 31.0         | 31.0         | 33.2              |
| Washington....     | 35                     | 38                     | 39                     | 31                    | 29                    | 35.1               | 32.0         | 34.5         | 26.5         | 30.0              |
| Oregon.....        | 63                     | 65                     | 71                     | 64                    | 56                    | 30.4               | 28.0         | 30.0         | 29.0         | 31.0              |
| California.....    | 84                     | 93                     | 74                     | 60                    | 60                    | 31.0               | 31.5         | 30.6         | 35.0         | 34.0              |

<sup>1</sup> Weighted average price per bushel for the crop-marketing season.<sup>2</sup> Basis weighted average price for the crop-marketing season.

## AND FARM VALUE, BY STATES

and siloed corn and that out and fed without removing the ears, as well as that husked and snapped for grain

| Production                                                                                     |                                                                                                |                                                                                                |                                                                                                |                                                                                                | Price <sup>1</sup> for crop of—                    |                                                     |                                                      |                                                    | Farm value <sup>1</sup>                                                                        |                                                                                                | Division and State                                                           |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| 1928-1932, average                                                                             | 1932                                                                                           | 1933                                                                                           | 1934                                                                                           | 1935 <sup>2</sup>                                                                              | 1932                                               | 1933                                                | 1934                                                 | 1935 <sup>2</sup>                                  | 1934                                                                                           | 1935 <sup>2</sup>                                                                              |                                                                              |
| 1,000 bushels<br>2, 553, 424                                                                   | 1,000 bushels<br>2, 526, 871                                                                   | 1,000 bushels<br>2, 536, 525                                                                   | 1,000 bushels<br>1, 473, 027                                                                   | 1,000 bushels<br>2, 281, 622                                                                   | Cents per bu.<br>32                                | Cents per bu.<br>52                                 | Cents per bu.<br>82                                  | Cents per bu.<br>69                                | 1,000 dollars<br>1, 203, 893                                                                   | 1,000 dollars<br>1, 366, 961                                                                   |                                                                              |
| 7, 849<br>505<br>551<br>2, 004<br>1, 521<br>341<br>2, 024                                      | 7, 959<br>574<br>585<br>2, 870<br>1, 520<br>304<br>2, 106                                      | 7, 914<br>600<br>666<br>2, 808<br>1, 520<br>309<br>1, 901                                      | 7, 882<br>455<br>640<br>3, 002<br>1, 517<br>272<br>1, 976                                      | 8, 514<br>456<br>697<br>3, 276<br>1, 540<br>373<br>2, 067                                      | 58<br>55<br>57<br>55<br>59<br>57<br>64             | 73<br>69<br>77<br>65<br>80<br>88<br>78              | 96<br>97<br>98<br>81<br>91<br>90<br>92               | 80<br>80<br>81<br>81<br>80<br>80<br>79             | 7, 491<br>441<br>627<br>2, 972<br>1, 380<br>253<br>1, 818                                      | 6, 531<br>365<br>565<br>2, 654<br>1, 812<br>302<br>1, 633                                      | N. E.<br>Maine.<br>N. H.<br>Vt.<br>Mass.<br>R. I.<br>Conn.                   |
| 72, 276<br>20, 033<br>6, 766<br>46, 487                                                        | 77, 017<br>22, 015<br>7, 280<br>48, 322                                                        | 78, 688<br>19, 313<br>6, 732<br>53, 041                                                        | 82, 235<br>24, 051<br>6, 762<br>51, 402                                                        | 94, 552<br>24, 956<br>8, 700<br>00, 896                                                        | 49<br>52<br>45<br>49                               | 63<br>65<br>66<br>62                                | 84<br>88<br>87<br>82                                 | 71<br>77<br>70<br>68                               | 69, 215<br>21, 191<br>5, 874<br>42, 130                                                        | 66, 715<br>19, 216<br>6, 090<br>41, 409                                                        | M. A.<br>N. Y.<br>N. J.<br>Pa.                                               |
| 731, 000<br>120, 257<br>155, 908<br>330, 738<br>30, 171<br>00, 926                             | 869, 985<br>134, 366<br>175, 612<br>422, 181<br>53, 070<br>83, 916                             | 622, 159<br>125, 154<br>129, 859<br>238, 645<br>40, 841<br>81, 700                             | 496, 498<br>106, 144<br>109, 647<br>107, 808<br>85, 780<br>77, 109                             | 778, 368<br>137, 008<br>100, 474<br>318, 510<br>80, 840<br>81, 490                             | 29<br>32<br>26<br>27<br>40<br>36                   | 50<br>50<br>47<br>50<br>55<br>53                    | 78<br>77<br>79<br>79<br>81<br>82                     | 56<br>53<br>52<br>58<br>50<br>62                   | 388, 937<br>81, 731<br>85, 525<br>132, 598<br>28, 941<br>00, 192                               | 498, 275<br>83, 532<br>88, 446<br>184, 739<br>34, 074<br>50, 487                               | E. N. C.<br>Ohio.<br>Ind.<br>Ill.<br>Mich.<br>Wis.                           |
| 1, 175, 985<br>133, 186<br>438, 792<br>140, 489<br>18, 522<br>78, 447<br>223, 843<br>120, 756  | 1, 365, 773<br>178, 020<br>509, 507<br>177, 980<br>23, 998<br>70, 420<br>266, 100<br>130, 878  | 1, 120, 981<br>142, 987<br>459, 720<br>141, 440<br>20, 656<br>41, 064<br>234, 698<br>80, 431   | 416, 595<br>86, 160<br>293, 950<br>82, 012<br>7, 100<br>13, 780<br>21, 368<br>13, 220          | 814, 172<br>148, 062<br>373, 388<br>72, 890<br>22, 538<br>50, 044<br>106, 630<br>39, 490       | 28<br>28<br>30<br>27<br>45<br>25<br>27<br>27       | 46<br>44<br>50<br>45<br>47<br>41<br>44<br>44        | 81<br>76<br>79<br>45<br>95<br>84<br>66<br>97         | 54<br>46<br>54<br>67<br>45<br>47<br>66<br>70       | 336, 939<br>72, 322<br>184, 820<br>30, 411<br>6, 444<br>11, 533<br>18, 586<br>12, 823          | 440, 094<br>68, 623<br>201, 630<br>48, 836<br>10, 277<br>23, 521<br>59, 713<br>27, 594         | W. N. C.<br>Minn.<br>Iowa.<br>Mo.<br>N. Dak.<br>S. Dak.<br>Nebr.<br>Kans.    |
| 161, 002<br>3, 680<br>14, 431<br>30, 388<br>11, 054<br>38, 416<br>20, 240<br>39, 238<br>6, 509 | 156, 328<br>4, 116<br>15, 310<br>20, 388<br>11, 928<br>34, 890<br>18, 218<br>39, 188<br>6, 360 | 179, 993<br>3, 798<br>15, 515<br>34, 623<br>14, 904<br>43, 056<br>23, 584<br>38, 408<br>6, 152 | 108, 125<br>4, 031<br>13, 973<br>31, 152<br>12, 085<br>42, 508<br>23, 150<br>38, 711<br>6, 238 | 199, 558<br>4, 118<br>17, 544<br>36, 774<br>14, 872<br>47, 082<br>33, 150<br>48, 500<br>7, 496 | 51<br>45<br>44<br>52<br>61<br>54<br>71<br>46<br>71 | 70<br>60<br>61<br>68<br>69<br>73<br>75<br>84<br>79  | 86<br>80<br>83<br>88<br>87<br>86<br>65<br>61<br>68   | 67<br>60<br>65<br>74<br>77<br>68<br>61<br>68<br>68 | 144, 213<br>3, 225<br>11, 602<br>27, 102<br>11, 427<br>36, 557<br>18, 555<br>32, 517<br>4, 928 | 134, 155<br>2, 471<br>11, 404<br>27, 213<br>11, 451<br>32, 016<br>15, 048<br>29, 586<br>4, 947 | S. A.<br>Del.<br>Md.<br>Va.<br>W. Va.<br>N. C.<br>S. C.<br>Ga.<br>Fla.       |
| 186, 545<br>90, 301<br>58, 510<br>35, 533<br>32, 192                                           | 186, 904<br>95, 918<br>61, 894<br>30, 764<br>34, 396                                           | 216, 799<br>20, 217<br>62, 876<br>60, 611<br>35, 589<br>37, 845                                | 209, 131<br>62, 876<br>56, 040<br>44, 518<br>41, 126                                           | 203, 349<br>62, 238<br>56, 040<br>45, 539<br>38, 532                                           | 47<br>39<br>46<br>57<br>54                         | 85<br>58<br>80<br>78<br>72                          | 81<br>81<br>80<br>89<br>84                           | 75<br>76<br>76<br>70<br>80                         | 168, 134<br>50, 930<br>48, 489<br>35, 169<br>34, 546                                           | 162, 594<br>47, 301<br>42, 590<br>31, 877<br>30, 826                                           | E. S. C.<br>Ky.<br>Tenn.<br>Ala.<br>Miss.                                    |
| 182, 712<br>31, 540<br>18, 756<br>51, 842<br>30, 674                                           | 220, 383<br>35, 700<br>21, 371<br>65, 760<br>94, 552                                           | 194, 641<br>26, 308<br>18, 577<br>20, 027<br>65, 729                                           | 168, 112<br>18, 984<br>15, 322<br>11, 281<br>30, 983                                           | 168, 112<br>26, 198<br>27, 676<br>25, 872<br>30, 368                                           | 32<br>37<br>48<br>23<br>38                         | 63<br>66<br>67<br>55<br>62                          | 89<br>96<br>91<br>65<br>83                           | 61<br>78<br>70<br>65<br>52                         | 76, 522<br>18, 225<br>13, 943<br>11, 168<br>33, 186                                            | 103, 024<br>20, 433<br>19, 373<br>16, 817<br>46, 471                                           | W. S. C.<br>Ark.<br>La.<br>Okla.<br>Tex.                                     |
| 30, 429<br>1, 401<br>1, 322<br>2, 341<br>20, 847<br>3, 523<br>474<br>405<br>51                 | 23, 958<br>2, 038<br>1, 075<br>2, 042<br>13, 942<br>3, 084<br>525<br>594<br>48                 | 28, 678<br>1, 288<br>1, 304<br>2, 486<br>10, 635<br>2, 781<br>630<br>418<br>44                 | 7, 593<br>562<br>945<br>715<br>3, 376<br>1, 235<br>403<br>256<br>31                            | 18, 708<br>1, 944<br>912<br>2, 260<br>10, 761<br>2, 700<br>630<br>451<br>48                    | 33<br>40<br>36<br>30<br>28<br>37<br>69<br>61<br>66 | 45<br>57<br>82<br>41<br>97<br>106<br>75<br>72<br>78 | 98<br>94<br>82<br>100<br>66<br>74<br>82<br>108<br>93 | 68<br>71<br>72<br>66<br>65<br>74<br>82<br>90<br>93 | 7, 338<br>1, 380<br>575<br>715<br>3, 276<br>1, 309<br>276<br>38                                | 13, 490<br>1, 380<br>667<br>1, 492<br>6, 995<br>1, 998<br>517<br>406<br>45                     | Mt.<br>Mont.<br>Idaho.<br>Wyo.<br>Colo.<br>N. Mex.<br>Ariz.<br>Utah.<br>Nev. |
| 5, 768<br>1, 246<br>1, 902<br>2, 620                                                           | 5, 998<br>1, 216<br>1, 820<br>2, 930                                                           | 5, 696<br>1, 346<br>2, 130<br>2, 220                                                           | 4, 498<br>822<br>1, 566<br>2, 100                                                              | 4, 820<br>1, 044<br>1, 736<br>2, 040                                                           | 51<br>45<br>55<br>52                               | 64<br>58<br>68<br>64                                | 91<br>82<br>85<br>99                                 | 77<br>74<br>80<br>77                               | 4, 084<br>674<br>1, 831<br>2, 079                                                              | 3, 733<br>773<br>1, 389<br>1, 571                                                              | Pac.<br>Wash.<br>Oreg.<br>Calif.                                             |

<sup>1</sup> Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture.



## No. 629—WHEAT: ACREAGE, PRODUCTION,

NOTE—Weight of a bushel

| Division and State      | Acreage harvested   |                 |                 |                 |                   | Yield per acre      |              |              |              |                   |
|-------------------------|---------------------|-----------------|-----------------|-----------------|-------------------|---------------------|--------------|--------------|--------------|-------------------|
|                         | 1928-32,<br>average | 1932            | 1933            | 1934            | 1935 <sup>1</sup> | 1928-32,<br>average | 1932         | 1933         | 1934         | 1935 <sup>2</sup> |
| United States.....      | 1,000<br>60,115     | 1,000<br>57,839 | 1,000<br>49,438 | 1,000<br>43,400 | 1,000<br>51,348   | Bus.<br>14.4        | Bus.<br>13.1 | Bus.<br>11.2 | Bus.<br>12.1 | Bus.<br>12.1      |
| New England.....        | 4                   | 4               | 7               | 7               | 10                | 21.0                | 22.0         | 24.0         | 21.5         | 17.0              |
| Maine.....              | 3                   | 4               | 7               | 7               | 10                | 21.5                | 22.0         | 24.0         | 21.5         | 17.0              |
| Middle Atlantic.....    | 1,281               | 1,181           | 1,219           | 1,260           | 1,345             | 18.4                | 18.2         | 18.4         | 18.9         | 21.4              |
| New York.....           | 239                 | 201             | 233             | 233             | 233               | 18.9                | 20.3         | 19.4         | 17.9         | 22.8              |
| New Jersey.....         | 53                  | 51              | 40              | 51              | 58                | 21.2                | 21.0         | 22.0         | 21.5         | 23.0              |
| Pennsylvania.....       | 989                 | 929             | 937             | 946             | 1,004             | 18.2                | 15.0         | 18.0         | 16.4         | 21.0              |
| East North Central..... | 5,723               | 5,731           | 5,529           | 5,878           | 7,097             | 18.1                | 18.3         | 16.6         | 17.2         | 18.0              |
| Ohio.....               | 1,538               | 1,748           | 2,089           | 1,994           | 2,132             | 19.1                | 20.0         | 18.0         | 18.3         | 22.0              |
| Indiana.....            | 1,463               | 1,470           | 1,577           | 1,545           | 1,884             | 17.1                | 16.5         | 15.0         | 17.3         | 15.5              |
| Illinois.....           | 1,870               | 1,669           | 1,874           | 2,080           | 2,074             | 17.1                | 15.6         | 16.4         | 17.6         | 14.5              |
| Michigan.....           | 753                 | 734             | 885             | 855             | 874               | 20.5                | 23.8         | 16.4         | 14.2         | 21.9              |
| Wisconsin.....          | 98                  | 110             | 104             | 104             | 133               | 19.3                | 10.2         | 15.5         | 14.2         | 16.2              |
| West North Central..... | 31,927              | 30,274          | 24,288          | 17,712          | 25,459            | 12.9                | 11.6         | 8.7          | 9.4          | 9.2               |
| Minnesota.....          | 1,408               | 1,462           | 1,620           | 1,322           | 1,874             | 14.7                | 14.3         | 10.2         | 10.7         | 10.5              |
| Iowa.....               | 391                 | 273             | 251             | 298             | 386               | 19.1                | 15.9         | 17.1         | 12.2         | 16.1              |
| Missouri.....           | 1,478               | 1,404           | 1,362           | 1,643           | 2,054             | 13.5                | 11.5         | 12.5         | 15.1         | 12.5              |
| North Dakota.....       | 9,620               | 10,639          | 10,098          | 3,430           | 8,034             | 10.9                | 10.4         | 7.1          | 6.1          | 6.7               |
| South Dakota.....       | 3,542               | 3,854           | 1,150           | 158             | 3,153             | 10.8                | 13.5         | 4.3          | 4.6          | 8.1               |
| Nebraska.....           | 3,426               | 2,277           | 2,437           | 2,251           | 3,070             | 15.4                | 12.3         | 12.0         | 7.8          | 12.6              |
| Kansas.....             | 12,062              | 10,366          | 7,361           | 8,610           | 6,888             | 13.4                | 11.6         | 9.1          | 9.8          | 9.3               |
| South Atlantic.....     | 1,788               | 1,884           | 1,892           | 2,059           | 2,180             | 14.8                | 11.0         | 12.5         | 12.9         | 13.8              |
| Delaware.....           | 98                  | 83              | 80              | 84              | 84                | 18.4                | 12.0         | 14.0         | 18.1         | 10.0              |
| Maryland.....           | 460                 | 393             | 413             | 408             | 428               | 18.8                | 13.5         | 16.0         | 18.7         | 20.5              |
| Virginia.....           | 610                 | 585             | 567             | 605             | 629               | 14.7                | 10.8         | 13.5         | 13.1         | 13.0              |
| West Virginia.....      | 119                 | 122             | 131             | 145             | 140               | 14.2                | 11.5         | 14.5         | 12.8         | 16.0              |
| North Carolina.....     | 352                 | 422             | 443             | 496             | 520               | 10.7                | 9.5          | 9.5          | 9.9          | 11.3              |
| South Carolina.....     | 67                  | 127             | 123             | 156             | 175               | 10.3                | 9.5          | 8.0          | 9.0          | 10.0              |
| Georgia.....            | 86                  | 132             | 132             | 169             | 195               | 8.9                 | 9.0          | 8.0          | 8.5          | 8.0               |
| East South Central..... | 520                 | 663             | 707             | 830             | 918               | 12.2                | 10.0         | 11.0         | 11.5         | 9.7               |
| Kentucky.....           | 231                 | 317             | 339             | 403             | 443               | 13.5                | 10.5         | 12.0         | 13.0         | 10.0              |
| Tennessee.....          | 286                 | 359             | 363             | 418             | 468               | 11.2                | 9.5          | 10.2         | 10.2         | 9.5               |
| Alabama.....            | 3                   | 7               | 6               | 9               | 7                 | 10.7                | 10.0         | 8.0          | 8.0          | 10.9              |
| West South Central..... | 7,687               | 7,523           | 5,240           | 6,607           | 5,061             | 12.3                | 10.3         | 8.9          | 9.6          | 9.0               |
| Arkansas.....           | 31                  | 48              | 42              | 60              | 114               | 10.3                | 8.0          | 8.0          | 8.0          | 8.0               |
| Oklahoma.....           | 4,299               | 3,906           | 3,093           | 3,543           | 3,308             | 12.5                | 12.0         | 10.2         | 10.5         | 10.0              |
| Texas.....              | 3,357               | 2,569           | 2,105           | 3,094           | 1,639             | 12.1                | 8.5          | 7.1          | 8.6          | 7.0               |
| Mountain.....           | 7,397               | 6,705           | 5,794           | 4,573           | 5,696             | 14.9                | 15.3         | 10.1         | 13.3         | 13.1              |
| Montana.....            | 3,847               | 4,021           | 3,512           | 2,481           | 3,434             | 13.1                | 13.8         | 7.6          | 11.1         | 10.6              |
| Idaho.....              | 1,188               | 1,139           | 930             | 885             | 929               | 22.5                | 24.6         | 17.5         | 22.5         | 21.7              |
| Wyoming.....            | 296                 | 255             | 219             | 106             | 246               | 12.9                | 11.2         | 9.3          | 9.0          | 11.0              |
| Colorado.....           | 1,861               | 704             | 583             | 704             | 553               | 12.4                | 10.6         | 10.9         | 8.8          | 11.8              |
| New Mexico.....         | 296                 | 267             | 246             | 129             | 187               | 11.6                | 7.2          | 6.1          | 6.5          | 7.8               |
| Arizona.....            | 23                  | 36              | 43              | 64              | 44                | 20.4                | 21.0         | 21.5         | 21.5         | 22.5              |
| Utah.....               | 271                 | 265             | 247             | 202             | 230               | 21.3                | 20.4         | 16.3         | 17.4         | 22.7              |
| Nevada.....             | 15                  | 18              | 14              | 12              | 18                | 24.9                | 25.8         | 24.0         | 25.5         | 25.8              |
| Pacific.....            | 3,629               | 3,894           | 3,762           | 3,384           | 3,642             | 19.5                | 19.0         | 19.7         | 17.6         | 20.6              |
| Washington.....         | 2,312               | 2,308           | 2,163           | 1,934           | 1,998             | 19.3                | 18.6         | 20.2         | 19.2         | 22.5              |
| Oregon.....             | 1,011               | 991             | 903             | 835             | 878               | 20.9                | 20.2         | 19.5         | 15.1         | 17.7              |
| California.....         | 606                 | 595             | 596             | 615             | 766               | 17.9                | 18.7         | 18.5         | 16.0         | 19.0              |

<sup>1</sup> Weighted average price for the crop-marketing season.<sup>2</sup> Basis weighted average price for the crop-marketing season.<sup>3</sup> Preliminary.

## AND FARM VALUE, BY STATES

of wheat, 60 pounds

| Production                                                                             |                                                                                        |                                                                                     |                                                                                     |                                                                                      | Price <sup>1</sup> for crop of—                    |                                                    |                                                    |                                                    | Farm value <sup>2</sup>                                                          |                                                                                      | Division and State                                                                                                         |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 1928-32, average                                                                       | 1932                                                                                   | 1933                                                                                | 1934                                                                                | 1935 <sup>3</sup>                                                                    | 1932                                               | 1933                                               | 1934                                               | 1935 <sup>3</sup>                                  | 1934                                                                             | 1935 <sup>3</sup>                                                                    |                                                                                                                            |
| <i>1,000 bushels</i><br>863, 504                                                       | <i>1,000 bushels</i><br>756, 927                                                       | <i>1,000 bushels</i><br>661, 683                                                    | <i>1,000 bushels</i><br>528, 393                                                    | <i>1,000 bushels</i><br>623, 444                                                     | <i>Cts. per bu.</i><br>38                          | <i>Cts. per bu.</i><br>74                          | <i>Cts. per bu.</i><br>85                          | <i>Cts. per bu.</i><br>83                          | <i>1,000 dollars</i><br>446, 368                                                 | <i>1,000 dollars</i><br>517, 464                                                     |                                                                                                                            |
|                                                                                        |                                                                                        |                                                                                     |                                                                                     |                                                                                      |                                                    |                                                    |                                                    |                                                    |                                                                                  |                                                                                      | United States.                                                                                                             |
| 4 69<br>56                                                                             | 88<br>88                                                                               | 168<br>108                                                                          | 160<br>160                                                                          | 170<br>170                                                                           | 78<br>78                                           | 128<br>128                                         | 146<br>146                                         | 134<br>134                                         | 219<br>219                                                                       | 228<br>228                                                                           | New England.<br>Maine.                                                                                                     |
| 23, 259<br>4, 447<br>1, 163<br>17, 659                                                 | 19, 086<br>4, 086<br>1, 071<br>13, 929                                                 | 22, 423<br>4, 512<br>1, 078<br>10, 833                                              | 21, 309<br>4, 714<br>1, 096<br>15, 499                                              | 28, 836<br>6, 457<br>1, 334<br>21, 045                                               | 57<br>58<br>59<br>57                               | 88<br>88<br>93<br>87                               | 93<br>96<br>97<br>92                               | 84<br>82<br>85<br>84                               | 19, 857<br>4, 530<br>1, 063<br>14, 264                                           | 24, 112<br>5, 300<br>1, 134<br>17, 678                                               | Middle Atlantic.<br>New York.<br>New Jersey.<br>Pennsylvania.                                                              |
| 109, 402<br>31, 064<br>20, 732<br>33, 183<br>15, 040<br>1, 874                         | 104, 718<br>34, 011<br>24, 231<br>25, 983<br>17, 484<br>2, 109                         | 108, 117<br>37, 586<br>23, 641<br>30, 746<br>14, 528<br>1, 616                      | 118, 481<br>36, 467<br>31, 891<br>36, 522<br>12, 126<br>1, 475                      | 127, 413<br>46, 802<br>29, 193<br>30, 060<br>18, 108<br>2, 160                       | 45<br>47<br>43<br>42<br>45<br>53                   | 86<br>88<br>86<br>85<br>80<br>81                   | 87<br>89<br>86<br>85<br>88<br>97                   | 81<br>81<br>79<br>83<br>78<br>94                   | 103, 037<br>32, 455<br>27, 426<br>31, 054<br>10, 873<br>1, 429                   | 102, 927<br>37, 982<br>23, 062<br>24, 946<br>14, 911<br>2, 028                       | E. N. Central.<br>Ohio.<br>Indiana.<br>Illinois.<br>Michigan.<br>Wisconsin.                                                |
| 422, 817<br>21, 067<br>7, 460<br>20, 479<br>102, 840<br>37, 003<br>56, 520<br>177, 418 | 351, 703<br>20, 839<br>4, 360<br>16, 143<br>110, 306<br>51, 839<br>27, 968<br>120, 178 | 210, 342<br>16, 065<br>4, 303<br>17, 019<br>71, 314<br>4, 904<br>20, 206<br>60, 031 | 166, 079<br>14, 165<br>3, 032<br>24, 776<br>20, 908<br>732<br>17, 543<br>84, 323    | 233, 598<br>19, 678<br>6, 208<br>25, 648<br>53, 855<br>25, 481<br>38, 675<br>64, 055 | 35<br>44<br>38<br>41<br>40<br>34<br>36<br>33       | 72<br>77<br>78<br>82<br>70<br>69<br>72<br>71       | 87<br>90<br>88<br>84<br>98<br>92<br>84<br>84       | 86<br>88<br>85<br>84<br>80<br>91<br>84<br>89       | 144, 671<br>14, 044<br>3, 196<br>20, 815<br>20, 404<br>675<br>14, 710<br>70, 827 | 201, 842<br>19, 329<br>5, 276<br>21, 547<br>42, 932<br>23, 154<br>32, 396<br>57, 008 | W. N. Central.<br>Minnesota.<br>Iowa.<br>Missouri.<br>North Dakota.<br>South Dakota.<br>Nebraska.<br>Kansas.               |
| 28, 522<br>1, 781<br>8, 030<br>9, 250<br>1, 747<br>3, 790<br>704                       | 20, 426<br>960<br>5, 306<br>6, 318<br>1, 403<br>4, 009<br>1, 206<br>1, 188             | 23, 572<br>1, 182<br>6, 608<br>7, 654<br>1, 900<br>4, 208<br>984<br>1, 056          | 26, 610<br>1, 448<br>7, 630<br>7, 926<br>1, 856<br>4, 910<br>1, 404<br>1, 436       | 30, 117<br>1, 590<br>8, 774<br>8, 177<br>2, 384<br>5, 876<br>1, 750<br>1, 580        | 80<br>67<br>53<br>58<br>60<br>69<br>65<br>67       | 96<br>90<br>91<br>93<br>89<br>103<br>105<br>106    | 98<br>91<br>90<br>96<br>96<br>106<br>112<br>112    | 89<br>83<br>79<br>89<br>96<br>101<br>98<br>102     | 25, 961<br>1, 318<br>6, 867<br>7, 609<br>1, 782<br>5, 205<br>1, 572<br>1, 608    | 26, 921<br>1, 325<br>6, 931<br>7, 278<br>2, 146<br>5, 935<br>1, 715<br>1, 591        | South Atlantic.<br>Delaware.<br>Maryland.<br>Virginia.<br>West Virginia.<br>North Carolina.<br>South Carolina.<br>Georgia. |
| 6, 486<br>3, 278<br>3, 174<br>30                                                       | 6, 618<br>3, 328<br>3, 220<br>70                                                       | 7, 811<br>4, 068<br>3, 703<br>40                                                    | 8, 575<br>5, 239<br>4, 264<br>72                                                    | 8, 946<br>4, 430<br>4, 446<br>70                                                     | 54<br>48<br>60<br>65                               | 85<br>83<br>97<br>96                               | 83<br>89<br>98<br>107                              | 85<br>81<br>89<br>96                               | 8, 919<br>4, 663<br>4, 179<br>77                                                 | 7, 612<br>3, 588<br>3, 957<br>67                                                     | E. S. Central.<br>Kentucky.<br>Tennessee.<br>Alabama.                                                                      |
| 96, 420<br>304<br>55, 145<br>40, 971                                                   | 77, 802<br>384<br>47, 592<br>29, 820                                                   | 46, 831<br>336<br>31, 549<br>14, 046                                                | 63, 981<br>480<br>37, 202<br>26, 299                                                | 45, 466<br>912<br>33, 080<br>11, 473                                                 | 32<br>45<br>32<br>33                               | 70<br>86<br>68<br>74                               | 80<br>96<br>81<br>78                               | 86<br>87<br>86<br>78                               | 51, 105<br>461<br>30, 134<br>20, 513                                             | 36, 879<br>793<br>28, 449<br>9, 637                                                  | W. S. Central.<br>Arkansas.<br>Oklahoma.<br>Texas.                                                                         |
| 103, 530<br>46, 160<br>27, 228<br>3, 632<br>17, 255<br>2, 664<br>518<br>5, 692<br>381  | 102, 432<br>55, 571<br>27, 080<br>2, 862<br>7, 447<br>1, 934<br>766<br>5, 417<br>465   | 58, 297<br>26, 810<br>16, 320<br>2, 046<br>6, 350<br>1, 496<br>924<br>4, 015<br>336 | 60, 600<br>27, 624<br>19, 921<br>1, 050<br>6, 102<br>833<br>1, 161<br>3, 513<br>306 | 73, 792<br>36, 365<br>20, 178<br>2, 706<br>6, 532<br>1, 463<br>990<br>5, 222<br>336  | 34<br>35<br>30<br>31<br>37<br>35<br>55<br>41<br>60 | 81<br>63<br>56<br>62<br>65<br>73<br>70<br>68<br>78 | 80<br>86<br>89<br>87<br>84<br>88<br>82<br>83<br>82 | 85<br>84<br>89<br>89<br>90<br>91<br>82<br>79<br>86 | 48, 487<br>23, 706<br>13, 758<br>915<br>5, 218<br>760<br>952<br>2, 928<br>250    | 62, 761<br>34, 141<br>13, 923<br>2, 409<br>5, 780<br>1, 322<br>802<br>4, 134<br>290  | Mountain.<br>Montana.<br>Idaho.<br>Wyoming.<br>Colorado.<br>New Mexico.<br>Arizona.<br>Utah.<br>Nevada.                    |
| 75, 064<br>42, 797<br>21, 211<br>11, 046                                               | 74, 064<br>42, 808<br>20, 060<br>11, 120                                               | 74, 122<br>43, 638<br>17, 608<br>12, 876                                            | 68, 608<br>37, 158<br>12, 610<br>9, 840                                             | 75, 107<br>45, 050<br>15, 503<br>14, 554                                             | 41<br>38<br>42<br>53                               | 64<br>60<br>65<br>78                               | 74<br>73<br>74<br>79                               | 70<br>68<br>69<br>70                               | 44, 108<br>27, 043<br>9, 292<br>7, 774                                           | 52, 392<br>30, 634<br>10, 697<br>11, 061                                             | Pacific.<br>Washington.<br>Oregon.<br>California.                                                                          |

<sup>1</sup> Includes approximately 1,000 acres harvested and 13,000 bushels produced in Vermont for the years 1928 to 1931.

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 830.—OATS: ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Weight of a bushel of oats, 32 pounds

| Division and State      | Acreage harvested |                 |                   | Yield per acre |               |                   | Production       |                  |                    | Price <sup>1</sup> for crop of— |                       | Farm value <sup>2</sup>     |                             |
|-------------------------|-------------------|-----------------|-------------------|----------------|---------------|-------------------|------------------|------------------|--------------------|---------------------------------|-----------------------|-----------------------------|-----------------------------|
|                         | 1933              | 1934            | 1935 <sup>3</sup> | 1933           | 1934          | 1935 <sup>3</sup> | 1933             | 1934             | 1935 <sup>3</sup>  | 1934                            | 1935 <sup>3</sup>     | 1934                        | 1935 <sup>3</sup>           |
| United States.....      | 1,000<br>36,532   | 1,000<br>29,456 | 1,000<br>39,924   | Bush.<br>20.1  | Bush.<br>18.4 | Bush.<br>30.0     | 1,000<br>733,166 | 1,000<br>542,306 | 1,000<br>1,196,668 | Cts.<br>per bu.<br>48           | Cts.<br>per bu.<br>27 | 1,000<br>dollars<br>260,580 | 1,000<br>dollars<br>317,516 |
| New England.....        | 804               | 184             | 202               | 36.2           | 36.9          | 33.9              | 7,382            | 7,154            | 6,855              | 56                              | 45                    | 3,971                       | 3,074                       |
| Maine.....              | 124               | 112             | 113               | 40.0           | 40.0          | 36.0              | 4,960            | 4,480            | 4,068              | 50                              | 42                    | 2,240                       | 1,709                       |
| New Hampshire.....      | 7                 | 8               | 9                 | 36.5           | 37.0          | 37.0              | 256              | 296              | 333                | 65                              | 52                    | 192                         | 173                         |
| Vermont.....            | 59                | 60              | 66                | 30.0           | 32.0          | 30.0              | 1,770            | 1,920            | 1,980              | 65                              | 48                    | 1,248                       | 950                         |
| Massachusetts.....      | 6                 | 6               | 6                 | 30.0           | 35.0          | 35.0              | 180              | 210              | 210                | 64                              | 50                    | 134                         | 105                         |
| Rhode Island.....       | 2                 | 2               | 2                 | 33.0           | 31.0          | 33.0              | 66               | 62               | 66                 | 64                              | 52                    | 40                          | 34                          |
| Connecticut.....        | 6                 | 6               | 6                 | 25.0           | 31.0          | 33.0              | 150              | 186              | 198                | 63                              | 52                    | 117                         | 103                         |
| Middle Atlantic.....    | 1,803             | 1,798           | 1,816             | 21.7           | 27.6          | 29.5              | 39,193           | 49,656           | 53,681             | 54                              | 39                    | 28,792                      | 21,193                      |
| New York.....           | 820               | 836             | 853               | 20.5           | 27.5          | 30.0              | 16,810           | 22,990           | 25,690             | 55                              | 39                    | 12,644                      | 9,980                       |
| New Jersey.....         | 48                | 47              | 48                | 28.0           | 32.0          | 32.0              | 1,344            | 1,504            | 1,536              | 54                              | 39                    | 812                         | 599                         |
| Pennsylvania.....       | 935               | 915             | 915               | 22.5           | 27.5          | 29.0              | 21,038           | 25,162           | 26,535             | 53                              | 40                    | 13,336                      | 10,614                      |
| East North Central..... | 10,738            | 9,307           | 10,756            | 21.5           | 19.8          | 30.6              | 230,373          | 184,645          | 329,149            | 46                              | 26                    | 85,026                      | 54,916                      |
| Ohio.....               | 1,385             | 1,327           | 1,407             | 21.5           | 22.5          | 36.0              | 29,778           | 29,858           | 50,652             | 47                              | 27                    | 14,033                      | 13,673                      |
| Indiana.....            | 1,690             | 1,350           | 1,485             | 17.5           | 15.5          | 26.0              | 29,575           | 20,925           | 38,610             | 43                              | 24                    | 8,998                       | 9,266                       |
| Illinois.....           | 3,999             | 2,991           | 3,799             | 20.0           | 13.0          | 28.0              | 79,980           | 38,883           | 106,372            | 43                              | 24                    | 16,720                      | 25,629                      |
| Michigan.....           | 1,207             | 1,323           | 1,402             | 22.5           | 24.0          | 38.5              | 27,158           | 31,752           | 46,967             | 49                              | 26                    | 15,558                      | 12,211                      |
| Wisconsin.....          | 2,467             | 2,316           | 2,663             | 26.0           | 27.3          | 32.5              | 63,882           | 63,227           | 80,548             | 47                              | 28                    | 29,717                      | 24,233                      |
| West North Central..... | 18,498            | 12,393          | 20,767            | 18.7           | 14.4          | 31.3              | 346,348          | 178,483          | 660,319            | 47                              | 23                    | 82,923                      | 151,554                     |
| Minnesota.....          | 4,340             | 3,470           | 4,897             | 21.5           | 19.0          | 37.0              | 93,310           | 65,930           | 181,189            | 40                              | 22                    | 30,328                      | 39,862                      |
| Iowa.....               | 6,243             | 4,756           | 6,040             | 23.0           | 13.0          | 34.5              | 143,589          | 61,828           | 208,380            | 45                              | 23                    | 27,823                      | 47,927                      |
| Missouri.....           | 1,725             | 1,173           | 1,341             | 18.5           | 13.0          | 22.0              | 31,912           | 15,249           | 20,502             | 48                              | 34                    | 7,320                       | 10,031                      |
| North Dakota.....       | 1,740             | 583             | 2,133             | 13.0           | 13.7          | 24.0              | 22,620           | 7,987            | 52,392             | 46                              | 18                    | 3,674                       | 9,431                       |
| South Dakota.....       | 996               | 280             | 2,215             | 8.0            | 9.6           | 29.5              | 5,568            | 2,688            | 65,342             | 51                              | 20                    | 1,371                       | 13,068                      |
| Nebraska.....           | 2,226             | 869             | 2,551             | 10.5           | 7.4           | 28.5              | 23,378           | 6,367            | 72,704             | 53                              | 25                    | 3,369                       | 18,173                      |
| Kansas.....             | 1,528             | 1,272           | 1,540             | 17.0           | 14.5          | 26.5              | 25,976           | 18,444           | 40,810             | 49                              | 32                    | 9,068                       | 13,059                      |
| South Atlantic.....     | 1,220             | 1,231           | 1,275             | 18.1           | 18.5          | 21.5              | 22,092           | 22,791           | 27,441             | 67                              | 52                    | 15,172                      | 14,173                      |
| Delaware.....           | 3                 | 3               | 3                 | 30.0           | 20.0          | 31.0              | 90               | 87               | 93                 | 55                              | 49                    | 48                          | 40                          |
| Maryland.....           | 48                | 39              | 46                | 23.5           | 31.0          | 28.0              | 1,128            | 1,209            | 1,288              | 51                              | 42                    | 617                         | 541                         |
| Virginia.....           | 127               | 91              | 82                | 18.5           | 19.0          | 20.0              | 2,350            | 1,729            | 1,640              | 55                              | 48                    | 951                         | 787                         |
| West Virginia.....      | 104               | 85              | 69                | 18.0           | 18.5          | 20.5              | 1,872            | 1,572            | 1,414              | 56                              | 48                    | 880                         | 679                         |
| North Carolina.....     | 223               | 228             | 240               | 16.5           | 18.0          | 21.5              | 3,680            | 4,104            | 5,160              | 65                              | 54                    | 2,668                       | 2,780                       |
| South Carolina.....     | 402               | 420             | 449               | 19.5           | 18.0          | 23.5              | 7,839            | 7,590            | 10,552             | 71                              | 51                    | 5,368                       | 5,382                       |
| Georgia.....            | 306               | 357             | 378               | 16.5           | 18.0          | 19.0              | 5,049            | 6,426            | 7,182              | 71                              | 54                    | 4,562                       | 3,878                       |
| Florida.....            | 7                 | 8               | 8                 | 12.0           | 13.0          | 14.0              | 84               | 104              | 112                | 75                              | 69                    | 78                          | 77                          |
| East South Central..... | 300               | 322             | 282               | 15.8           | 17.6          | 17.1              | 4,749            | 5,672            | 4,821              | 62                              | 53                    | 3,509                       | 2,571                       |
| Kentucky.....           | 102               | 83              | 65                | 15.5           | 14.2          | 16.0              | 1,581            | 1,179            | 1,040              | 54                              | 45                    | 637                         | 468                         |
| Tennessee.....          | 108               | 90              | 77                | 16.0           | 15.5          | 14.0              | 1,728            | 1,395            | 1,078              | 54                              | 47                    | 753                         | 507                         |
| Alabama.....            | 61                | 105             | 97                | 16.0           | 20.5          | 19.0              | 976              | 2,152            | 1,843              | 69                              | 60                    | 1,485                       | 1,106                       |
| Mississippi.....        | 29                | 44              | 43                | 16.0           | 21.5          | 20.0              | 404              | 946              | 800                | 67                              | 57                    | 634                         | 400                         |
| West South Central..... | 2,855             | 3,079           | 3,314             | 17.1           | 20.2          | 23.6              | 41,588           | 62,064           | 78,097             | 47                              | 31                    | 29,027                      | 24,497                      |
| Arkansas.....           | 117               | 158             | 161               | 16.0           | 19.5          | 17.0              | 1,872            | 3,081            | 2,737              | 63                              | 45                    | 1,941                       | 1,232                       |
| Louisiana.....          | 22                | 32              | 50                | 16.5           | 24.0          | 22.5              | 363              | 768              | 1,125              | 62                              | 62                    | 476                         | 586                         |
| Oklahoma.....           | 1,121             | 1,268           | 1,433             | 18.5           | 16.5          | 25.0              | 20,738           | 20,922           | 35,925             | 47                              | 29                    | 9,833                       | 10,389                      |
| Texas.....              | 1,095             | 1,621           | 1,670             | 17.0           | 23.0          | 23.0              | 18,615           | 37,283           | 38,410             | 45                              | 32                    | 16,777                      | 12,291                      |
| Mountain.....           | 838               | 549             | 831               | 22.9           | 27.8          | 27.1              | 19,166           | 15,282           | 22,505             | 46                              | 35                    | 7,086                       | 7,767                       |
| Montana.....            | 814               | 205             | 348               | 17.0           | 25.0          | 22.5              | 5,338            | 5,125            | 7,830              | 45                              | 36                    | 2,306                       | 2,819                       |
| Idaho.....              | 141               | 130             | 149               | 32.0           | 35.0          | 35.0              | 4,122            | 4,550            | 5,215              | 39                              | 29                    | 1,774                       | 1,512                       |
| Wyoming.....            | 149               | 83              | 105               | 21.0           | 25.5          | 26.0              | 3,129            | 1,906            | 2,730              | 55                              | 37                    | 883                         | 1,010                       |
| Colorado.....           | 160               | 103             | 160               | 25.5           | 25.0          | 28.0              | 4,080            | 2,575            | 4,480              | 52                              | 33                    | 1,339                       | 1,478                       |
| New Mexico.....         | 22                | 14              | 21                | 22.0           | 27.3          | 26.0              | 484              | 382              | 545                | 60                              | 49                    | 229                         | 268                         |
| Arizona.....            | 14                | 9               | 10                | 27.0           | 21.0          | 26.0              | 378              | 189              | 260                | 50                              | 48                    | 94                          | 125                         |
| Utah.....               | 35                | 23              | 36                | 33.0           | 34.0          | 38.0              | 1,155            | 782              | 1,368              | 54                              | 38                    | 422                         | 520                         |
| Nevada.....             | 3                 | 2               | 2                 | 30.0           | 30.3          | 38.0              | 90               | 73               | 76                 | 54                              | 46                    | 39                          | 35                          |
| Pacific.....            | 576               | 582             | 681               | 35.7           | 28.5          | 35.0              | 22,276           | 16,569           | 23,820             | 43                              | 33                    | 7,054                       | 7,769                       |
| Washington.....         | 170               | 165             | 192               | 33.0           | 39.5          | 47.5              | 9,010            | 6,518            | 9,120              | 44                              | 32                    | 2,868                       | 2,918                       |
| Oregon.....             | 228               | 301             | 316               | 36.0           | 22.6          | 29.0              | 10,728           | 6,803            | 9,164              | 41                              | 33                    | 2,789                       | 3,024                       |
| California.....         | 108               | 118             | 173               | 23.5           | 28.0          | 32.0              | 2,538            | 3,248            | 5,536              | 43                              | 33                    | 1,397                       | 1,827                       |

<sup>1</sup> Weighted average price for the crop-marketing season.<sup>2</sup> Basis weighted average price for the crop-marketing season.<sup>3</sup> Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 631.—BARLEY AND RICE: ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Weight of a bushel of barley, 48 pounds; rice (rough), 45 pounds

BARLEY

| Division and State      | Acreage harvested |             |                   | Yield per acre |       |                   | Production    |               |                   | Price <sup>1</sup> for crop of— |                   | Farm value <sup>2</sup> |                   |
|-------------------------|-------------------|-------------|-------------------|----------------|-------|-------------------|---------------|---------------|-------------------|---------------------------------|-------------------|-------------------------|-------------------|
|                         | 1933              | 1934        | 1935 <sup>3</sup> | 1933           | 1934  | 1935 <sup>3</sup> | 1933          | 1934          | 1935 <sup>3</sup> | 1934                            | 1935 <sup>3</sup> | 1934                    | 1935 <sup>3</sup> |
|                         | 1,000 acres       | 1,000 acres | 1,000 acres       | Bus.           | Bus.  | Bus.              | 1,000 bushels | 1,000 bushels | 1,000 bushels     | Cts. per bu.                    | Cts. per bu.      | 1,000 dollars           | 1,000 dollars     |
| United States.....      | 9, 987            | 8, 563      | 12, 243           | 16. 9          | 17. 8 | 23. 1             | 163, 767      | 118, 680      | 282, 226          | 69                              | 38                | 79, 984                 | 106, 130          |
| New England.....        | 8                 | 7           | 9                 | 28. 4          | 28. 7 | 27. 6             | 227           | 201           | 248               | 75                              | 68                | 180                     | 184               |
| Maine.....              | 5                 | 4           | 5                 | 31. 0          | 30. 0 | 28. 0             | 155           | 120           | 140               | 74                              | 68                | 89                      | 95                |
| Vermont.....            | 3                 | 3           | 4                 | 24. 0          | 27. 0 | 27. 0             | 72            | 81            | 108               | 75                              | 64                | 61                      | 69                |
| Middle Atlantic.....    | 247               | 232         | 213               | 21. 3          | 22. 7 | 26. 9             | 5, 270        | 5, 273        | 5, 726            | 68                              | 61                | 3, 607                  | 2, 940            |
| New York.....           | 165               | 163         | 164               | 19. 5          | 22. 0 | 27. 0             | 3, 218        | 3, 586        | 4, 168            | 70                              | 50                | 2, 510                  | 2, 079            |
| New Jersey.....         | 1                 | 1           | 1                 | 27. 0          | 21. 0 | 30. 0             | 27            | 21            | 30                | 67                              | 53                | 14                      | 16                |
| Pennsylvania.....       | 81                | 68          | 58                | 25. 0          | 24. 6 | 26. 5             | 2, 026        | 1, 666        | 1, 537            | 65                              | 55                | 1, 083                  | 845               |
| East North Central..... | 1, 455            | 1, 036      | 1, 238            | 18. 6          | 23. 0 | 27. 1             | 27, 038       | 23, 787       | 33, 507           | 89                              | 54                | 21, 085                 | 18, 252           |
| Ohio.....               | 44                | 19          | 16                | 15. 0          | 17. 5 | 27. 0             | 690           | 332           | 422               | 55                              | 40                | 133                     | 173               |
| Indiana.....            | 31                | 19          | 26                | 12. 5          | 16. 1 | 22. 0             | 388           | 306           | 572               | 64                              | 45                | 196                     | 257               |
| Illinois.....           | 345               | 100         | 80                | 15. 0          | 11. 0 | 24. 5             | 5, 175        | 1, 100        | 1, 080            | 73                              | 44                | 803                     | 862               |
| Michigan.....           | 230               | 173         | 185               | 13. 5          | 20. 2 | 27. 0             | 3, 106        | 3, 495        | 4, 995            | 71                              | 48                | 2, 481                  | 2, 398            |
| Wisconsin.....          | 805               | 724         | 929               | 22. 0          | 25. 6 | 27. 5             | 17, 710       | 18, 534       | 25, 648           | 94                              | 57                | 17, 422                 | 14, 562           |
| West North Central..... | 5, 685            | 3, 197      | 8, 347            | 12. 3          | 12. 3 | 21. 1             | 69, 738       | 39, 468       | 176, 317          | 73                              | 33                | 28, 781                 | 57, 475           |
| Minnesota.....          | 1, 811            | 1, 484      | 2, 226            | 15. 5          | 14. 7 | 25. 5             | 28, 070       | 21, 815       | 56, 763           | 79                              | 37                | 17, 234                 | 21, 002           |
| Iowa.....               | 580               | 389         | 553               | 16. 0          | 12. 0 | 26. 0             | 9, 280        | 4, 901        | 14, 638           | 74                              | 36                | 3, 627                  | 5, 270            |
| Missouri.....           | 15                | 16          | 76                | 16. 6          | 15. 0 | 17. 0             | 248           | 240           | 1, 292            | 84                              | 54                | 202                     | 698               |
| North Dakota.....       | 1, 705            | 751         | 2, 380            | 10. 5          | 10. 4 | 18. 0             | 17, 902       | 7, 810        | 42, 840           | 60                              | 25                | 4, 686                  | 10, 710           |
| South Dakota.....       | 493               | 203         | 2, 152            | 7. 0           | 8. 3  | 19. 5             | 3, 451        | 1, 635        | 41, 964           | 70                              | 30                | 1, 180                  | 12, 589           |
| Nebraska.....           | 799               | 209         | 660               | 10. 5          | 8. 7  | 22. 0             | 8, 390        | 1, 818        | 15, 180           | 60                              | 35                | 1, 091                  | 5, 313            |
| Kansas.....             | 282               | 146         | 266               | 8. 6           | 8. 2  | 14. 0             | 2, 397        | 1, 189        | 3, 640            | 64                              | 52                | 761                     | 1, 893            |
| South Atlantic.....     | 102               | 99          | 94                | 23. 1          | 23. 7 | 23. 7             | 2, 359        | 2, 351        | 2, 699            | 63                              | 58                | 1, 491                  | 1, 513            |
| Maryland.....           | 36                | 37          | 37                | 25. 6          | 27. 5 | 34. 5             | 918           | 1, 018        | 1, 276            | 57                              | 51                | 580                     | 651               |
| Virginia.....           | 46                | 46          | 44                | 23. 0          | 22. 5 | 26. 0             | 1, 068        | 1, 035        | 1, 144            | 66                              | 58                | 683                     | 684               |
| West Virginia.....      | 6                 | 5           | 4                 | 23. 0          | 20. 0 | 27. 0             | 138           | 100           | 108               | 66                              | 61                | 66                      | 66                |
| North Carolina.....     | 14                | 11          | 9                 | 17. 5          | 18. 0 | 19. 0             | 245           | 198           | 171               | 82                              | 77                | 162                     | 132               |
| East South Central..... | 48                | 41          | 45                | 19. 7          | 17. 0 | 18. 2             | 944           | 695           | 819               | 71                              | 62                | 495                     | 507               |
| Kentucky.....           | 16                | 13          | 17                | 23. 0          | 19. 0 | 21. 0             | 398           | 247           | 357               | 63                              | 54                | 168                     | 193               |
| Tennessee.....          | 32                | 28          | 28                | 18. 0          | 16. 0 | 16. 5             | 576           | 448           | 462               | 73                              | 68                | 327                     | 314               |
| West South Central..... | 193               | 232         | 194               | 9. 6           | 15. 0 | 15. 7             | 1, 897        | 3, 474        | 3, 058            | 64                              | 47                | 2, 218                  | 1, 436            |
| Oklahoma.....           | 73                | 100         | 95                | 9. 0           | 16. 0 | 16. 5             | 657           | 1, 600        | 1, 698            | 66                              | 49                | 1, 056                  | 768               |
| Texas.....              | 120               | 132         | 99                | 10. 0          | 14. 2 | 15. 0             | 1, 200        | 1, 874        | 1, 485            | 62                              | 45                | 1, 162                  | 668               |
| Mountain.....           | 785               | 480         | 735               | 19. 1          | 24. 8 | 24. 3             | 14, 862       | 11, 903       | 17, 899           | 60                              | 44                | 7, 181                  | 7, 946            |
| Montana.....            | 132               | 84          | 161               | 15. 0          | 20. 0 | 19. 0             | 1, 980        | 1, 680        | 2, 899            | 59                              | 47                | 991                     | 1, 345            |
| Idaho.....              | 109               | 98          | 113               | 28. 0          | 34. 5 | 25. 0             | 3, 052        | 3, 381        | 3, 955            | 51                              | 39                | 1, 724                  | 1, 542            |
| Wyoming.....            | 69                | 38          | 60                | 18. 0          | 22. 0 | 24. 5             | 1, 242        | 886           | 1, 470            | 71                              | 46                | 594                     | 676               |
| Colorado.....           | 405               | 102         | 321               | 16. 0          | 19. 7 | 20. 0             | 6, 480        | 3, 782        | 6, 420            | 65                              | 43                | 2, 458                  | 2, 761            |
| New Mexico.....         | 7                 | 6           | 7                 | 18. 0          | 22. 4 | 23. 0             | 126           | 112           | 161               | 66                              | 56                | 74                      | 90                |
| Arizona.....            | 23                | 27          | 32                | 32. 0          | 29. 1 | 33. 0             | 704           | 789           | 1, 056            | 56                              | 52                | 440                     | 549               |
| Utah.....               | 36                | 30          | 45                | 33. 0          | 36. 0 | 38. 0             | 1, 188        | 1, 080        | 1, 710            | 69                              | 50                | 746                     | 855               |
| Nevada.....             | 5                 | 6           | 6                 | 38. 0          | 41. 0 | 38. 0             | 190           | 246           | 228               | 63                              | 55                | 155                     | 125               |
| Pacific.....            | 1, 164            | 1, 230      | 1, 370            | 27. 0          | 24. 0 | 30. 6             | 31, 372       | 29, 556       | 41, 989           | 51                              | 38                | 14, 986                 | 15, 897           |
| Washington.....         | 60                | 43          | 65                | 35. 0          | 29. 5 | 30. 5             | 2, 100        | 1, 416        | 1, 982            | 53                              | 43                | 750                     | 852               |
| Oregon.....             | 105               | 77          | 112               | 29. 5          | 26. 8 | 27. 0             | 3, 098        | 2, 064        | 3, 024            | 58                              | 48                | 1, 797                  | 1, 361            |
| California.....         | 999               | 1, 105      | 1, 193            | 28. 2          | 23. 6 | 31. 0             | 26, 174       | 26, 078       | 36, 983           | 60                              | 37                | 13, 039                 | 13, 684           |

RICE (ROUGH)

| United States..... | 798 | 824 | 793 | 47. 2 | 47. 4 | 48. 1 | 37, 651 | 39, 047 | 38, 132 | 79 | 70 | 30, 854 | 28, 566 |
|--------------------|-----|-----|-----|-------|-------|-------|---------|---------|---------|----|----|---------|---------|
| Arkansas.....      | 147 | 141 | 138 | 49. 0 | 47. 2 | 46. 0 | 7, 203  | 6, 655  | 6, 345  | 82 | 72 | 5, 457  | 4, 571  |
| Louisiana.....     | 395 | 415 | 388 | 41. 0 | 40. 4 | 42. 0 | 16, 195 | 16, 796 | 16, 212 | 82 | 69 | 13, 748 | 11, 180 |
| Texas.....         | 148 | 143 | 170 | 49. 5 | 49. 8 | 52. 0 | 7, 341  | 7, 370  | 8, 840  | 83 | 72 | 6, 117  | 6, 385  |
| California.....    | 108 | 120 | 99  | 64. 0 | 63. 8 | 68. 0 | 6, 912  | 8, 256  | 6, 732  | 67 | 66 | 5, 532  | 4, 443  |

<sup>1</sup> Weighted average price for the crop-marketing season.

<sup>2</sup> Basis weighted average price for the crop-marketing season.

<sup>3</sup> Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 632.—RYE AND GRAIN SORGHUMS: ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Weight of a bushel of rye, 56 pounds; grain sorghums, approximately 56 pounds

## RYE

| State               | Acreage harvested |             |                   | Yield per acre |      |                   | Production |            |                   | Price <sup>1</sup> for crop of— |                   | Farm value <sup>2</sup> |                   |
|---------------------|-------------------|-------------|-------------------|----------------|------|-------------------|------------|------------|-------------------|---------------------------------|-------------------|-------------------------|-------------------|
|                     | 1933              | 1934        | 1935 <sup>3</sup> | 1933           | 1934 | 1935 <sup>3</sup> | 1933       | 1934       | 1935 <sup>3</sup> | 1934                            | 1935 <sup>3</sup> | 1934                    | 1935 <sup>3</sup> |
|                     | 1,000 acres       | 1,000 acres | 1,000 acres       | Bus.           | Bus. | Bus.              | 1,000 bus. | 1,000 bus. | 1,000 bus.        | Cts. per bu.                    | Cts. per bu.      | 1,000 dolls.            | 1,000 dolls.      |
| United States.....  | 2,418             | 2,035       | 4,196             | 8.9            | 8.4  | 14.0              | 21,418     | 17,070     | 58,928            | 72                              | 39                | 12,293                  | 23,056            |
| New York.....       | 18                | 25          | 27                | 15.0           | 13.3 | 15.0              | 270        | 332        | 405               | 80                              | 68                | 266                     | 235               |
| New Jersey.....     | 26                | 24          | 22                | 16.0           | 18.4 | 17.5              | 416        | 442        | 386               | 74                              | 58                | 327                     | 223               |
| Pennsylvania.....   | 119               | 112         | 112               | 13.5           | 12.1 | 15.0              | 1,606      | 1,365      | 1,690             | 70                              | 58                | 948                     | 974               |
| Ohio.....           | 73                | 88          | 128               | 12.5           | 13.4 | 15.0              | 912        | 1,170      | 1,920             | 66                              | 45                | 778                     | 804               |
| Indiana.....        | 97                | 138         | 221               | 10.0           | 11.0 | 11.5              | 970        | 1,518      | 2,542             | 66                              | 43                | 987                     | 1,093             |
| Illinois.....       | 66                | 85          | 128               | 10.5           | 8.9  | 12.0              | 693        | 756        | 1,536             | 69                              | 43                | 622                     | 660               |
| Michigan.....       | 131               | 157         | 228               | 10.5           | 8.8  | 13.5              | 1,376      | 1,382      | 3,078             | 65                              | 42                | 898                     | 1,293             |
| Wisconsin.....      | 226               | 210         | 314               | 9.0            | 7.4  | 12.5              | 2,034      | 1,564      | 3,925             | 71                              | 44                | 1,103                   | 1,727             |
| Minnesota.....      | 291               | 430         | 495               | 12.5           | 6.9  | 20.0              | 3,638      | 2,967      | 9,900             | 68                              | 36                | 2,018                   | 3,564             |
| Iowa.....           | 33                | 45          | 122               | 13.0           | 7.9  | 15.0              | 429        | 356        | 1,830             | 73                              | 30                | 260                     | 714               |
| Missouri.....       | 12                | 24          | 84                | 8.0            | 9.2  | 7.5               | 96         | 221        | 630               | 84                              | 04                | 186                     | 403               |
| North Dakota.....   | 550               | 121         | 911               | 6.5            | 5.8  | 14.0              | 3,575      | 702        | 12,754            | 65                              | 28                | 455                     | 3,571             |
| South Dakota.....   | 190               | 21          | 470               | 4.0            | 3.5  | 17.5              | 760        | 74         | 8,225             | 67                              | 32                | 50                      | 2,032             |
| Nebraska.....       | 161               | 122         | 429               | 7.0            | 4.4  | 12.5              | 1,127      | 537        | 5,362             | 78                              | 38                | 419                     | 2,038             |
| Kansas.....         | 16                | 20          | 60                | 9.0            | 9.8  | 10.5              | 144        | 196        | 630               | 76                              | 55                | 149                     | 346               |
| Delaware.....       | 7                 | 9           | 6                 | 9.5            | 12.5 | 12.5              | 66         | 112        | 75                | 82                              | 65                | 92                      | 49                |
| Maryland.....       | 18                | 23          | 18                | 12.5           | 13.1 | 13.5              | 225        | 301        | 243               | 76                              | 63                | 229                     | 153               |
| Virginia.....       | 60                | 57          | 54                | 10.5           | 10.2 | 11.5              | 630        | 551        | 621               | 86                              | 76                | 600                     | 472               |
| West Virginia.....  | 11                | 11          | 11                | 12.0           | 10.5 | 12.5              | 132        | 110        | 138               | 78                              | 69                | 90                      | 95                |
| North Carolina..... | 69                | 76          | 70                | 7.0            | 7.2  | 7.5               | 453        | 547        | 525               | 97                              | 92                | 531                     | 483               |
| South Carolina..... | 9                 | 11          | 11                | 7.0            | 8.0  | 8.5               | 63         | 88         | 94                | 133                             | 109               | 117                     | 102               |
| Georgia.....        | 19                | 21          | 20                | 5.5            | 5.6  | 6.0               | 104        | 118        | 120               | 113                             | 104               | 133                     | 125               |
| Kentucky.....       | 17                | 17          | 17                | 11.0           | 11.3 | 8.0               | 187        | 192        | 136               | 82                              | 70                | 157                     | 95                |
| Tennessee.....      | 26                | 25          | 28                | 6.5            | 6.9  | 6.5               | 169        | 172        | 182               | 93                              | 85                | 100                     | 155               |
| Oklahoma.....       | 12                | 17          | 30                | 6.0            | 6.3  | 7.0               | 72         | 107        | 210               | 86                              | 69                | 92                      | 145               |
| Texas.....          | 2                 | 2           | 3                 | 8.0            | 5.6  | 11.5              | 12         | 11         | 34                | 75                              | 62                | 8                       | 21                |
| Montana.....        | 38                | 24          | 50                | 7.5            | 7.5  | 10.5              | 285        | 180        | 525               | 54                              | 29                | 97                      | 152               |
| Idaho.....          | 4                 | 6           | 9                 | 11.0           | 9.3  | 10.0              | 44         | 56         | 90                | 59                              | 41                | 38                      | 37                |
| Wyoming.....        | 23                | 16          | 27                | 5.5            | 4.6  | 8.0               | 126        | 74         | 216               | 77                              | 42                | 57                      | 91                |
| Colorado.....       | 25                | 33          | 25                | 6.0            | 5.6  | 7.0               | 150        | 185        | 161               | 71                              | 50                | 131                     | 80                |
| Utah.....           | 2                 | 1           | 3                 | 7.0            | 7.0  | 9.0               | 14         | 7          | 27                | 79                              | 63                | 6                       | 17                |
| Washington.....     | 28                | 25          | 22                | 7.0            | 7.0  | 7.5               | 196        | 176        | 165               | 70                              | 62                | 122                     | 102               |
| Oregon.....         | 30                | 29          | 34                | 10.5           | 12.3 | 13.0              | 315        | 367        | 442               | 71                              | 60                | 253                     | 265               |
| California.....     | 9                 | 10          | 9                 | 11.0           | 12.0 | 13.5              | 99         | 120        | 122               | 78                              | 65                | 88                      | 79                |

GRAIN SORGHUMS <sup>4</sup>

| United States..... | 7,807 | 6,830 | 9,335 | 11.3 | 6.9  | 10.5 | 82,685 | 40,225 | 97,823 | 100 | 52 | 40,133 | 51,019 |
|--------------------|-------|-------|-------|------|------|------|--------|--------|--------|-----|----|--------|--------|
| Missouri.....      | 157   | 256   | 276   | 11.5 | 6.0  | 8.5  | 1,806  | 1,536  | 2,346  | 144 | 82 | 2,212  | 1,924  |
| Nebraska.....      | 43    | 101   | 367   | 11.0 | 4.5  | 7.5  | 473    | 454    | 2,678  | 158 | 83 | 717    | 1,687  |
| Kansas.....        | 1,607 | 1,195 | 1,780 | 10.0 | 4.5  | 5.5  | 16,070 | 5,378  | 9,680  | 108 | 63 | 5,808  | 6,098  |
| Arkansas.....      | 64    | 84    | 103   | 9.5  | 7.0  | 8.5  | 608    | 588    | 876    | 144 | 75 | 847    | 667    |
| Oklahoma.....      | 1,534 | 1,540 | 1,645 | 9.0  | 6.5  | 8.0  | 13,806 | 10,010 | 13,160 | 94  | 61 | 9,409  | 8,028  |
| Texas.....         | 3,201 | 3,240 | 4,450 | 12.5 | 5.5  | 13.5 | 40,012 | 17,820 | 80,075 | 97  | 46 | 17,285 | 27,634 |
| Colorado.....      | 270   | 147   | 221   | 7.2  | 3.3  | 4.5  | 1,944  | 485    | 994    | 130 | 63 | 630    | 620    |
| New Mexico.....    | 280   | 147   | 352   | 11.5 | 4.5  | 8.0  | 3,220  | 662    | 2,816  | 94  | 49 | 622    | 1,380  |
| Arizona.....       | 46    | 34    | 42    | 29.0 | 26.0 | 27.0 | 1,334  | 584    | 1,134  | 82  | 59 | 725    | 669    |
| California.....    | 105   | 86    | 129   | 32.5 | 28.0 | 31.5 | 3,412  | 2,408  | 4,064  | 78  | 57 | 1,878  | 2,316  |

<sup>1</sup> Weighted average price for the crop-marketing season.<sup>2</sup> Basis weighted average price for the crop-marketing season.<sup>3</sup> Preliminary.<sup>4</sup> For all purposes; production includes grain equivalent on forage acreage.

Source: Bureau of Agricultural Economics, Department of Agriculture.

# No. 633.—COTTON AND COTTONSEED: ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Cotton production excludes linters. Figures for production in some States differ slightly from Census figures on ginnings due to ginnings in one State of cotton grown in another. Where figures are not shown for the individual States, separate data are not available for the entire period but are included in the United States totals. Yields and prices for the periods are simple averages of figures for individual years. Tons are of 2,000 pounds. The value of cottonseed, 1911 to 1919, has been computed by Bureau of Foreign and Domestic Commerce from data furnished by Department of Agriculture

| Yearly average or year | Cotton      |                          |               |                |                                   | Cottonseed       |               |                                 | Total farm value |
|------------------------|-------------|--------------------------|---------------|----------------|-----------------------------------|------------------|---------------|---------------------------------|------------------|
|                        | Acres       | Bales (500 pounds gross) | Farm value    | Yield per acre | Farm price per pound <sup>1</sup> | Quantity         | Farm value    | Farm price per ton <sup>1</sup> |                  |
|                        | Thou- sands | Thou- sands              | 1,000 dollars | Pounds         | Cents                             | 1,000 short tons | 1,000 dollars | Dollars                         | 1,000 dollars    |
| <b>United States:</b>  |             |                          |               |                |                                   |                  |               |                                 |                  |
| 1911-1915              | 33,049      | 14,167                   | 728,937       | 201            | 10.43                             | 6,292            | 131,225       | 21.54                           | 880,162          |
| 1916-1920              | 33,554      | 11,818                   | 1,469,873     | 170            | 24.94                             | 5,295            | 231,630       | 54.15                           | 1,751,608        |
| 1921-1925              | 35,896      | 11,515                   | 1,276,757     | 151            | 22.21                             | 5,112            | 174,429       | 34.32                           | 1,451,186        |
| 1926-1930              | 42,212      | 14,834                   | 1,127,041     | 168            | 15.38                             | 6,593            | 188,449       | 29.02                           | 1,315,490        |
| 1931-1935              | 51,630      | 12,685                   | 551,381       | 191            | 9.16                              | 6,641            | 102,338       | 20.04                           | 653,769          |
| 1930                   | 42,444      | 13,932                   | 659,044       | 157            | 9.46                              | 6,191            | 135,778       | 21.93                           | 794,822          |
| 1931                   | 38,704      | 17,007                   | 483,639       | 152            | 5.58                              | 7,604            | 72,412        | 9.52                            | 556,051          |
| 1932                   | 35,891      | 13,003                   | 424,013       | 174            | 6.52                              | 5,784            | 50,888        | 10.35                           | 483,901          |
| 1933                   | 29,383      | 13,049                   | 665,516       | 213            | 10.17                             | 5,806            | 82,499        | 14.21                           | 746,015          |
| 1934                   | 26,866      | 9,938                    | 595,616       | 172            | 12.36                             | 4,282            | 148,681       | 34.79                           | 744,596          |
| 1935                   | 27,335      | 10,838                   | 590,124       | 186            | 11.09                             | 4,729            | 148,160       | 31.33                           | 738,284          |
| <b>Alabama:</b>        |             |                          |               |                |                                   |                  |               |                                 |                  |
| 1911-1915              | 3,570       | 1,403                    | 74,917        | 194            | 10.44                             | 650              | 13,889        | 22.52                           | 88,806           |
| 1916-1920              | 2,450       | 643                      | 81,882        | 126            | 24.06                             | 285              | 16,721        | 58.28                           | 98,603           |
| 1921-1925              | 2,797       | 864                      | 95,312        | 146            | 22.47                             | 384              | 13,576        | 36.17                           | 108,888          |
| 1926-1930              | 3,438       | 1,319                    | 97,732        | 183            | 15.20                             | 686              | 16,903        | 29.59                           | 114,635          |
| 1931-1935              | 2,597       | 1,068                    | 47,543        | 199            | 9.17                              | 475              | 9,320         | 20.33                           | 56,863           |
| 1930                   | 3,682       | 1,467                    | 66,478        | 198            | 9.06                              | 652              | 13,835        | 21.22                           | 80,313           |
| 1931                   | 3,271       | 1,415                    | 39,900        | 207            | 5.64                              | 629              | 6,391         | 10.16                           | 46,291           |
| 1932                   | 3,010       | 947                      | 32,328        | 150            | 6.33                              | 420              | 5,027         | 11.97                           | 37,355           |
| 1933                   | 2,318       | 989                      | 51,862        | 200            | 10.60                             | 431              | 6,689         | 15.52                           | 58,051           |
| 1934                   | 2,133       | 960                      | 67,453        | 213            | 12.10                             | 422              | 14,302        | 33.89                           | 71,755           |
| 1935                   | 2,243       | 1,059                    | 60,673        | 226            | 10.70                             | 471              | 14,191        | 30.13                           | 70,864           |
| <b>Arizona:</b>        |             |                          |               |                |                                   |                  |               |                                 |                  |
| 1917-1920              | 118         | 60                       | 13,147        | 254            | 46.25                             | 26               | 1,206         | -----                           | 14,356           |
| 1921-1925              | 131         | 79                       | 10,728        | 281            | 28.45                             | 35               | 1,124         | 32.16                           | 11,852           |
| 1926-1930              | 185         | 134                      | 12,434        | 347            | 18.73                             | 60               | 1,451         | 24.62                           | 13,885           |
| 1931-1935              | 148         | 108                      | 5,912         | 347            | 10.82                             | 47               | 928           | 18.10                           | 6,840            |
| 1930                   | 210         | 155                      | 9,301         | 354            | 11.97                             | 69               | 1,290         | 18.69                           | 10,591           |
| 1931                   | 184         | 115                      | 4,240         | 299            | 7.37                              | 51               | 497           | 9.74                            | 4,737            |
| 1932                   | 113         | 69                       | 2,695         | 293            | 7.79                              | 31               | 271           | 8.73                            | 2,966            |
| 1933                   | 139         | 96                       | 5,873         | 330            | 12.22                             | 43               | 529           | 12.30                           | 6,402            |
| 1934                   | 136         | 117                      | 8,150         | 410            | 13.97                             | 52               | 1,580         | 30.38                           | 9,739            |
| 1935                   | 160         | 135                      | 8,565         | 405            | 12.73                             | 60               | 1,761         | 29.35                           | 10,356           |
| <b>Arkansas:</b>       |             |                          |               |                |                                   |                  |               |                                 |                  |
| 1911-1915              | 2,088       | 927                      | 47,700        | 212            | 10.37                             | 412              | 8,390         | 20.77                           | 56,099           |
| 1916-1920              | 2,510       | 1,039                    | 122,780       | 198            | 24.53                             | 462              | 23,586        | 52.74                           | 146,366          |
| 1921-1925              | 2,741       | 1,025                    | 108,138       | 176            | 22.07                             | 455              | 14,279        | 32.93                           | 122,417          |
| 1926-1930              | 3,270       | 1,217                    | 92,226        | 178            | 15.13                             | 641              | 15,380        | 28.66                           | 107,606          |
| 1931-1935              | 2,702       | 1,197                    | 50,082        | 209            | 9.16                              | 532              | 8,955         | 19.80                           | 59,017           |
| 1930                   | 3,498       | 870                      | 39,340        | 119            | 9.04                              | 387              | 8,204         | 21.20                           | 47,544           |
| 1931                   | 3,292       | 1,897                    | 52,364        | 276            | 5.52                              | 844              | 5,836         | 8.10                            | 59,200           |
| 1932                   | 3,378       | 1,320                    | 42,952        | 187            | 6.51                              | 587              | 6,011         | 10.24                           | 48,963           |
| 1933                   | 2,537       | 1,044                    | 53,968        | 197            | 10.34                             | 464              | 6,069         | 13.08                           | 60,037           |
| 1934                   | 2,167       | 869                      | 63,167        | 192            | 12.23                             | 386              | 13,174        | 34.13                           | 66,331           |
| 1935                   | 2,137       | 853                      | 47,868        | 191            | 11.22                             | 379              | 12,685        | 33.47                           | 60,553           |
| <b>California:</b>     |             |                          |               |                |                                   |                  |               |                                 |                  |
| 1911-1915              | 20          | 15                       | 760           | 375            | 10.80                             | 6                | 127           | -----                           | 887              |
| 1916-1920              | 90          | 48                       | 6,124         | 264            | 26.47                             | 21               | 1,042         | -----                           | 7,166            |
| 1921-1925              | 101         | 60                       | 6,914         | 293            | 23.22                             | 27               | 915           | 34.08                           | 7,829            |
| 1926-1930              | 217         | 183                      | 13,873        | 395            | 15.60                             | 81               | 2,126         | 27.06                           | 15,999           |
| 1931-1935              | 193         | 204                      | 10,512        | 505            | 9.75                              | 91               | 1,926         | 19.49                           | 12,438           |
| 1930                   | 270         | 264                      | 12,648        | 468            | 9.59                              | 117              | 2,545         | 21.75                           | 15,193           |
| 1931                   | 192         | 177                      | 5,429         | 440            | 6.15                              | 79               | 1,011         | 12.80                           | 6,440            |
| 1932                   | 123         | 129                      | 4,586         | 503            | 7.09                              | 58               | 630           | 10.85                           | 5,216            |
| 1933                   | 208         | 217                      | 11,786        | 500            | 10.86                             | 97               | 1,221         | 12.50                           | 13,007           |
| 1934                   | 223         | 259                      | 16,816        | 556            | 12.08                             | 115              | 3,647         | 30.84                           | 20,363           |
| 1935                   | 218         | 239                      | 13,942        | 524            | 11.66                             | 106              | 3,220         | 30.38                           | 17,162           |
| <b>Florida:</b>        |             |                          |               |                |                                   |                  |               |                                 |                  |
| 1911-1915              | 251         | 67                       | 4,600         | 128            | 13.93                             | 30               | 553           | 20.13                           | 5,183            |
| 1916-1920              | 175         | 31                       | 5,249         | 85             | 32.96                             | 14               | 768           | 55.05                           | 6,012            |
| 1921-1925              | 107         | 24                       | 2,569         | 108            | 22.09                             | 10               | 342           | 34.43                           | 2,911            |
| 1926-1930              | 116         | 33                       | 2,304         | 132            | 15.36                             | 15               | 392           | 28.15                           | 2,696            |
| 1931-1935              | 103         | 31                       | 1,297         | 141            | 8.74                              | 14               | 248           | 18.70                           | 1,545            |
| 1930                   | 147         | 56                       | 2,720         | 183            | 9.68                              | 25               | 553           | 22.11                           | 3,273            |
| 1931                   | 139         | 48                       | 1,322         | 165            | 5.49                              | 21               | 231           | 10.98                           | 1,553            |
| 1932                   | 100         | 18                       | 556           | 84             | 6.80                              | 8                | 95            | 11.86                           | 651              |
| 1933                   | 94          | 28                       | 1,318         | 144            | 9.33                              | 13               | 187           | 14.39                           | 1,505            |
| 1934                   | 92          | 28                       | 1,705         | 145            | 12.24                             | 12               | 374           | 31.20                           | 2,079            |
| 1935                   | 89          | 31                       | 1,584         | 165            | 10.34                             | 14               | 351           | 25.05                           | 1,936            |

<sup>1</sup> Weighted average price for the crop-marketing season.

<sup>2</sup> See note 8, table 624, p. 634.

No. 633.—COTTON AND COTTONSEED: ACREAGE, PRODUCTION, AND FARM VALUE,  
BY STATES—Continued

| Yearly average or<br>year | Cotton         |                                   |                  |                   |                                            | Cottonseed          |                  |                                       | Total<br>farm<br>value |
|---------------------------|----------------|-----------------------------------|------------------|-------------------|--------------------------------------------|---------------------|------------------|---------------------------------------|------------------------|
|                           | Acres          | Bales<br>(500<br>pounds<br>gross) | Farm<br>value    | Yield<br>per acre | Farm<br>price<br>per<br>pound <sup>1</sup> | Quan-<br>tity       | Farm<br>value    | Farm<br>price<br>per ton <sup>1</sup> |                        |
|                           | Thou-<br>sands | Thou-<br>sands                    | 1,000<br>dollars | Pounds            | Cents                                      | 1,000<br>short tons | 1,000<br>dollars | Dollars                               | 1,000<br>dollars       |
| <b>Georgia:</b>           |                |                                   |                  |                   |                                            |                     |                  |                                       |                        |
| 1911-1915                 | 4,825          | 2,298                             | 118,851          | 227               | 10.57                                      | 1,020               | 22,688           | 22.97                                 | 141,630                |
| 1916-1920                 | 4,725          | 1,780                             | 231,226          | 180               | 25.62                                      | 790                 | 47,472           | 58.53                                 | 278,998                |
| 1921-1925                 | 2,991          | 851                               | 95,152           | 136               | 22.87                                      | 378                 | 14,002           | 37.92                                 | 109,154                |
| 1926-1930                 | 3,345          | 1,812                             | 97,358           | 187               | 15.43                                      | 582                 | 16,702           | 28.78                                 | 114,060                |
| 1931-1935                 | 2,440          | 1,075                             | 48,700           | 213               | 9.23                                       | 477                 | 9,594            | 21.31                                 | 58,594                 |
| 1930                      | 3,426          | 1,592                             | 75,996           | 222               | 9.55                                       | 706                 | 15,370           | 21.77                                 | 91,866                 |
| 1931                      | 3,094          | 1,302                             | 40,507           | 215               | 5.83                                       | 618                 | 6,740            | 10.92                                 | 47,810                 |
| 1932                      | 2,648          | 853                               | 29,782           | 154               | 6.98                                       | 379                 | 4,525            | 12.78                                 | 34,607                 |
| 1933                      | 2,162          | 1,105                             | 55,867           | 244               | 10.13                                      | 490                 | 8,364            | 17.07                                 | 64,231                 |
| 1934                      | 2,142          | 968                               | 58,666           | 216               | 12.12                                      | 430                 | 15,145           | 35.22                                 | 73,801                 |
| 1935                      | 2,155          | 1,059                             | 58,628           | 235               | 11.07                                      | 470                 | 14,387           | 30.61                                 | 73,015                 |
| <b>Louisiana:</b>         |                |                                   |                  |                   |                                            |                     |                  |                                       |                        |
| 1911-1915                 | 1,023          | 399                               | 20,570           | 187               | 10.36                                      | 177                 | 3,547            | 20.45                                 | 24,117                 |
| 1916-1920                 | 1,273          | 471                               | 58,263           | 177               | 24.87                                      | 209                 | 11,472           | 53.46                                 | 69,735                 |
| 1921-1925                 | 1,290          | 479                               | 50,747           | 170               | 21.47                                      | 212                 | 6,703            | 32.02                                 | 57,450                 |
| 1926-1930                 | 1,795          | 718                               | 53,521           | 191               | 15.19                                      | 319                 | 8,594            | 27.44                                 | 62,115                 |
| 1931-1935                 | 1,444          | 605                               | 26,144           | 200               | 9.19                                       | 269                 | 4,751            | 19.25                                 | 30,895                 |
| 1930                      | 1,953          | 715                               | 33,333           | 175               | 9.33                                       | 317                 | 6,806            | 20.84                                 | 39,939                 |
| 1931                      | 1,825          | 900                               | 25,063           | 238               | 5.57                                       | 400                 | 3,244            | 8.11                                  | 28,307                 |
| 1932                      | 1,688          | 811                               | 20,574           | 173               | 6.74                                       | 271                 | 2,732            | 10.08                                 | 23,306                 |
| 1933                      | 1,295          | 477                               | 24,404           | 176               | 10.24                                      | 212                 | 2,714            | 12.80                                 | 27,118                 |
| 1934                      | 1,180          | 485                               | 30,195           | 195               | 12.46                                      | 215                 | 7,129            | 33.16                                 | 37,324                 |
| 1935                      | 1,221          | 556                               | 30,485           | 218               | 10.96                                      | 247                 | 7,934            | 32.12                                 | 38,419                 |
| <b>Mississippi:</b>       |                |                                   |                  |                   |                                            |                     |                  |                                       |                        |
| 1911-1915                 | 2,946          | 1,152                             | 60,859           | 187               | 10.63                                      | 512                 | 11,212           | 22.38                                 | 72,071                 |
| 1916-1920                 | 2,858          | 960                               | 123,065          | 161               | 25.15                                      | 426                 | 23,657           | 54.60                                 | 146,722                |
| 1921-1925                 | 3,016          | 1,099                             | 53,276           | 170               | 23.20                                      | 488                 | 16,464           | 35.22                                 | 136,740                |
| 1926-1930                 | 3,822          | 1,619                             | 127,361          | 233               | 15.87                                      | 719                 | 22,018           | 30.92                                 | 149,374                |
| 1931-1935                 | 3,167          | 1,300                             | 59,615           | 200               | 9.46                                       | 578                 | 11,795           | 21.37                                 | 71,410                 |
| 1930                      | 4,142          | 1,464                             | 71,605           | 169               | 9.78                                       | 650                 | 14,634           | 22.36                                 | 86,139                 |
| 1931                      | 3,994          | 1,761                             | 54,245           | 211               | 6.18                                       | 783                 | 7,658            | 9.78                                  | 61,908                 |
| 1932                      | 3,788          | 1,180                             | 40,230           | 149               | 6.82                                       | 524                 | 6,388            | 12.10                                 | 46,618                 |
| 1933                      | 2,830          | 1,169                             | 60,918           | 196               | 10.51                                      | 515                 | 7,941            | 15.42                                 | 68,859                 |
| 1934                      | 2,630          | 1,142                             | 71,394           | 216               | 12.50                                      | 507                 | 18,156           | 35.61                                 | 86,550                 |
| 1935                      | 2,644          | 1,259                             | 71,287           | 223               | 11.32                                      | 560                 | 18,833           | 33.93                                 | 90,120                 |
| <b>Missouri:</b>          |                |                                   |                  |                   |                                            |                     |                  |                                       |                        |
| 1911-1915                 | 111            | 70                                | 3,348            | 298               | 9.83                                       | 31                  | 721              | 23.95                                 | 4,069                  |
| 1916-1920                 | 122            | 68                                | 7,537            | 256               | 23.43                                      | 20                  | 1,654            | 54.84                                 | 9,091                  |
| 1921-1925                 | 316            | 168                               | 16,353           | 274               | 20.45                                      | 74                  | 2,793            | 38.16                                 | 10,116                 |
| 1926-1930                 | 368            | 173                               | 12,153           | 224               | 14.51                                      | 77                  | 2,060            | 27.81                                 | 14,233                 |
| 1931-1935                 | 349            | 255                               | 10,596           | 347               | 8.77                                       | 113                 | 1,916            | 18.49                                 | 12,512                 |
| 1930                      | 383            | 155                               | 6,708            | 193               | 8.68                                       | 69                  | 1,419            | 20.57                                 | 8,127                  |
| 1931                      | 363            | 298                               | 7,189            | 362               | 4.83                                       | 132                 | 1,246            | 9.44                                  | 8,435                  |
| 1932                      | 414            | 313                               | 9,228            | 362               | 9.59                                       | 139                 | 1,354            | 9.74                                  | 10,582                 |
| 1933                      | 351            | 250                               | 11,966           | 340               | 9.69                                       | 111                 | 1,290            | 11.62                                 | 13,256                 |
| 1934                      | 316            | 238                               | 14,712           | 360               | 12.37                                      | 106                 | 3,216            | 30.34                                 | 17,928                 |
| 1935                      | 302            | 177                               | 9,883            | 280               | 11.15                                      | 79                  | 2,476            | 31.33                                 | 12,358                 |
| <b>New Mexico:</b>        |                |                                   |                  |                   |                                            |                     |                  |                                       |                        |
| 1924-1925                 | 108            | 62                                | 6,642            | 273               | 21.60                                      | 27                  | 842              | 31.22                                 | 7,484                  |
| 1926-1930                 | 120            | 85                                | 6,622            | 339               | 15.88                                      | 38                  | 967              | 25.92                                 | 7,590                  |
| 1931-1935                 | 101            | 86                                | 4,087            | 413               | 9.51                                       | 38                  | 732              | 19.43                                 | 4,819                  |
| 1930                      | 128            | 100                               | 5,068            | 375               | 10.09                                      | 45                  | 898              | 19.96                                 | 5,966                  |
| 1931                      | 117            | 101                               | 2,904            | 412               | 5.78                                       | 45                  | 410              | 9.12                                  | 3,314                  |
| 1932                      | 112            | 72                                | 2,368            | 307               | 6.59                                       | 32                  | 274              | 8.57                                  | 2,642                  |
| 1933                      | 96             | 94                                | 4,872            | 408               | 10.37                                      | 42                  | 474              | 11.29                                 | 5,346                  |
| 1934                      | 90             | 90                                | 5,852            | 480               | 12.99                                      | 40                  | 1,431            | 35.77                                 | 7,283                  |
| 1935                      | 90             | 75                                | 4,438            | 398               | 11.86                                      | 33                  | 1,070            | 32.42                                 | 5,508                  |
| <b>North Carolina:</b>    |                |                                   |                  |                   |                                            |                     |                  |                                       |                        |
| 1911-1915                 | 1,394          | 872                               | 45,212           | 304               | 10.53                                      | 385                 | 9,219            | 24.69                                 | 54,431                 |
| 1916-1920                 | 1,425          | 783                               | 96,408           | 263               | 24.63                                      | 347                 | 19,889           | 58.37                                 | 116,297                |
| 1921-1925                 | 1,541          | 911                               | 103,415          | 284               | 22.52                                      | 404                 | 15,469           | 38.20                                 | 118,884                |
| 1926-1930                 | 1,614          | 882                               | 67,444           | 260               | 15.44                                      | 391                 | 11,785           | 30.42                                 | 79,229                 |
| 1931-1935                 | 1,086          | 640                               | 30,927           | 292               | 9.54                                       | 293                 | 6,022            | 21.33                                 | 36,949                 |
| 1930                      | 1,448          | 771                               | 36,807           | 254               | 9.55                                       | 342                 | 7,500            | 21.93                                 | 44,307                 |
| 1931                      | 1,206          | 752                               | 22,458           | 298               | 5.97                                       | 334                 | 3,540            | 10.60                                 | 25,998                 |
| 1932                      | 1,251          | 690                               | 23,509           | 252               | 7.12                                       | 293                 | 3,539            | 12.05                                 | 27,048                 |
| 1933                      | 1,072          | 684                               | 36,935           | 305               | 10.80                                      | 304                 | 4,648            | 15.29                                 | 41,583                 |
| 1934                      | 970            | 631                               | 38,864           | 311               | 12.31                                      | 280                 | 10,164           | 36.30                                 | 49,028                 |
| 1935                      | 930            | 572                               | 32,873           | 294               | 11.49                                      | 254                 | 8,219            | 32.36                                 | 41,092                 |

<sup>1</sup> Weighted average price for the crop-marketing season.

## No. 633.—COTTON AND COTTONSEED: AREA, PRODUCTION, AND FARM VALUE, BY STATES—Continued

| Yearly average or year | Cotton    |                          |               |                |                                   | Cottonseed       |               |                                 | Total farm value |
|------------------------|-----------|--------------------------|---------------|----------------|-----------------------------------|------------------|---------------|---------------------------------|------------------|
|                        | Acres     | Bales (500 pounds gross) | Farm value    | Yield per acre | Farm price per pound <sup>1</sup> | Quantity         | Farm value    | Farm price per ton <sup>1</sup> |                  |
|                        | Thousands | Thousands                | 1,000 dollars | Pounds         | Cents                             | 1,000 short tons | 1,000 dollars | Dollars                         | 1,000 dollars    |
| <b>Oklahoma:</b>       |           |                          |               |                |                                   |                  |               |                                 |                  |
| 1911-1915.....         | 2,721     | 957                      | 46,122        | 170            | 9.96                              | 425              | 7,835         | 19.71                           | 53,957           |
| 1916-1920.....         | 2,523     | 942                      | 107,206       | 161            | 23.60                             | 419              | 19,417        | 49.64                           | 126,623          |
| 1921-1925.....         | 2,481     | 993                      | 106,275       | 129            | 21.55                             | 441              | 13,708        | 31.28                           | 119,983          |
| 1926-1930.....         | 4,052     | 1,202                    | 88,123        | 141            | 14.81                             | 534              | 14,478        | 28.14                           | 102,601          |
| 1931-1935.....         | 2,562     | 900                      | 34,940        | 147            | 8.62                              | 400              | 5,578         | 13.65                           | 40,518           |
| 1930.....              | 3,929     | 854                      | 37,174        | 104            | 8.71                              | 379              | 8,706         | 22.97                           | 45,880           |
| 1931.....              | 3,376     | 1,281                    | 31,906        | 179            | 5.06                              | 561              | 4,881         | 8.70                            | 36,787           |
| 1932.....              | 3,108     | 1,084                    | 32,891        | 167            | 6.07                              | 482              | 4,227         | 8.77                            | 37,118           |
| 1933.....              | 2,860     | 1,266                    | 61,072        | 212            | 9.66                              | 563              | 6,413         | 11.39                           | 67,485           |
| 1934.....              | 2,647     | 321                      | 18,904        | 58             | 11.77                             | 143              | 5,058         | 35.37                           | 23,952           |
| 1935.....              | 2,318     | 567                      | 29,926        | 117            | 10.56                             | 262              | 7,311         | 29.01                           | 37,237           |
| <b>South Carolina:</b> |           |                          |               |                |                                   |                  |               |                                 |                  |
| 1911-1915.....         | 2,436     | 1,375                    | 71,839        | 298            | 10.61                             | 610              | 14,281        | 24.15                           | 86,120           |
| 1916-1920.....         | 2,691     | 1,368                    | 173,767       | 250            | 25.28                             | 602              | 34,718        | 58.61                           | 208,485          |
| 1921-1925.....         | 1,902     | 743                      | 83,732        | 181            | 22.75                             | 329              | 12,551        | 38.60                           | 96,283           |
| 1926-1930.....         | 2,051     | 859                      | 65,158        | 200            | 15.88                             | 381              | 11,244        | 30.52                           | 76,402           |
| 1931-1935.....         | 1,489     | 776                      | 35,925        | 249            | 9.53                              | 344              | 7,135         | 21.65                           | 43,060           |
| 1930.....              | 1,951     | 1,001                    | 43,293        | 245            | 9.65                              | 444              | 9,497         | 21.39                           | 57,790           |
| 1931.....              | 1,759     | 1,005                    | 30,393        | 273            | 6.05                              | 446              | 4,741         | 10.63                           | 35,134           |
| 1932.....              | 1,601     | 716                      | 25,820        | 206            | 7.21                              | 318              | 3,940         | 12.39                           | 29,760           |
| 1933.....              | 1,379     | 735                      | 39,474        | 255            | 10.74                             | 326              | 5,826         | 17.87                           | 45,300           |
| 1934.....              | 1,286     | 678                      | 41,885        | 252            | 12.35                             | 301              | 10,923        | 36.29                           | 52,808           |
| 1935.....              | 1,362     | 744                      | 42,056        | 261            | 11.31                             | 330              | 10,245        | 31.05                           | 52,301           |
| <b>Tennessee:</b>      |           |                          |               |                |                                   |                  |               |                                 |                  |
| 1911-1915.....         | 776       | 369                      | 18,487        | 220            | 10.49                             | 159              | 3,654         | 23.55                           | 22,141           |
| 1916-1920.....         | 808       | 318                      | 37,488        | 188            | 24.12                             | 141              | 7,806         | 54.60                           | 45,094           |
| 1921-1925.....         | 927       | 368                      | 37,890        | 188            | 21.95                             | 159              | 5,546         | 36.26                           | 43,436           |
| 1926-1930.....         | 1,043     | 426                      | 32,077        | 196            | 15.02                             | 189              | 5,523         | 29.23                           | 37,600           |
| 1931-1935.....         | 898       | 448                      | 15,385        | 238            | 8.93                              | 199              | 3,631         | 20.20                           | 22,616           |
| 1930.....              | 1,129     | 378                      | 17,064        | 190            | 9.04                              | 198              | 3,310         | 20.90                           | 20,575           |
| 1931.....              | 1,060     | 595                      | 16,849        | 271            | 5.33                              | 264              | 2,160         | 8.75                            | 18,159           |
| 1932.....              | 1,003     | 480                      | 14,725        | 216            | 6.14                              | 210              | 2,310         | 10.14                           | 16,885           |
| 1933.....              | 883       | 441                      | 22,662        | 241            | 10.20                             | 198              | 2,631         | 13.29                           | 25,293           |
| 1934.....              | 759       | 405                      | 24,390        | 255            | 12.05                             | 180              | 6,287         | 34.65                           | 30,627           |
| 1935.....              | 736       | 317                      | 17,298        | 206            | 10.91                             | 141              | 4,815         | 34.15                           | 22,113           |
| <b>Texas:</b>          |           |                          |               |                |                                   |                  |               |                                 |                  |
| 1911-1915.....         | 11,458    | 4,180                    | 213,939       | 175            | 10.32                             | 1,859            | 34,699        | 19.27                           | 248,638          |
| 1916-1920.....         | 11,226    | 3,398                    | 404,395       | 141            | 24.76                             | 1,512            | 71,731        | 50.04                           | 476,126          |
| 1921-1925.....         | 14,325    | 3,774                    | 426,323       | 125            | 21.95                             | 1,679            | 55,693        | 32.56                           | 481,916          |
| 1926-1930.....         | 16,068    | 4,612                    | 354,498       | 132            | 15.39                             | 2,054            | 58,025        | 28.51                           | 412,518          |
| 1931-1935.....         | 11,982    | 3,921                    | 163,845       | 155            | 9.03                              | 1,747            | 29,122        | 19.62                           | 192,967          |
| 1930.....              | 16,135    | 4,037                    | 193,984       | 120            | 9.61                              | 1,798            | 40,797        | 22.69                           | 234,781          |
| 1931.....              | 14,754    | 5,320                    | 148,155       | 173            | 5.57                              | 2,370            | 22,396        | 9.45                            | 170,551          |
| 1932.....              | 13,334    | 4,500                    | 140,189       | 162            | 6.23                              | 2,006            | 18,174        | 9.00                            | 158,343          |
| 1933.....              | 11,069    | 4,428                    | 218,298       | 192            | 9.86                              | 1,973            | 27,168        | 13.77                           | 245,466          |
| 1934.....              | 10,097    | 2,401                    | 150,181       | 114            | 12.51                             | 1,069            | 37,740        | 35.31                           | 187,927          |
| 1935.....              | 10,657    | 2,956                    | 162,420       | 133            | 10.99                             | 1,316            | 40,125        | 30.49                           | 202,545          |
| <b>Virginia:</b>       |           |                          |               |                |                                   |                  |               |                                 |                  |
| 1911-1915.....         | 43        | 24                       | 1,310         | 272            | 10.84                             | 11               | 298           | 28.40                           | 1,608            |
| 1916-1920.....         | 45        | 25                       | 3,028         | 262            | 24.74                             | 11               | 618           | 57.34                           | 3,646            |
| 1921-1925.....         | 76        | 41                       | 4,818         | 259            | 22.60                             | 18               | 729           | 39.30                           | 5,545            |
| 1926-1930.....         | 58        | 47                       | 3,469         | 269            | 15.08                             | 21               | 681           | 32.30                           | 4,130            |
| 1931-1935.....         | 63        | 37                       | 1,646         | 281            | 9.21                              | 16               | 314           | 20.10                           | 1,960            |
| 1930.....              | 63        | 46                       | 2,199         | 243            | 9.59                              | 20               | 444           | 22.21                           | 2,643            |
| 1931.....              | 70        | 46                       | 1,298         | 317            | 5.59                              | 21               | 216           | 10.28                           | 1,514            |
| 1932.....              | 70        | 34                       | 1,097         | 293            | 6.42                              | 16               | 164           | 10.91                           | 1,261            |
| 1933.....              | 64        | 37                       | 1,067         | 280            | 10.52                             | 17               | 252           | 14.80                           | 2,219            |
| 1934.....              | 57        | 38                       | 2,172         | 302            | 12.08                             | 16               | 529           | 33.08                           | 2,701            |
| 1935.....              | 52        | 30                       | 1,698         | 273            | 11.42                             | 13               | 409           | 31.45                           | 2,107            |
| <b>Other States:</b>   |           |                          |               |                |                                   |                  |               |                                 |                  |
| 1926-1930.....         | 25        | 10                       | 690           | 183            | 14.83                             | 4                | 118           | 29.00                           | 808              |
| 1931-1935.....         | 24        | 15                       | 645           | 301            | 8.85                              | 7                | 123           | 19.94                           | 768              |
| 1930.....              | 20        | 7                        | 306           | 173            | 8.98                              | 3                | 70            | 20.97                           | 376              |
| 1931.....              | 18        | 14                       | 359           | 352            | 5.30                              | 6                | 55            | 9.12                            | 414              |
| 1932.....              | 21        | 17                       | 503           | 386            | 6.05                              | 8                | 77            | 10.29                           | 580              |
| 1933.....              | 26        | 16                       | 774           | 299            | 9.71                              | 7                | 83            | 13.25                           | 857              |
| 1934.....              | 32        | 18                       | 1,120         | 277            | 12.24                             | 8                | 270           | 33.33                           | 1,390            |
| 1935.....              | 21        | 9                        | 471           | 193            | 10.94                             | 4                | 128           | 33.65                           | 599              |

<sup>1</sup> Weighted average price for the crop-marketing season.

Source: Bureau of Agricultural Economics, Department of Agriculture.



## No. 634.—TOBACCO: ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

| State               | Acreage harvested         |                |                |                |                   | Yield per acre            |               |               |               |                   |
|---------------------|---------------------------|----------------|----------------|----------------|-------------------|---------------------------|---------------|---------------|---------------|-------------------|
|                     | 1928-<br>1932,<br>average | 1932           | 1933           | 1934           | 1935 <sup>1</sup> | 1928-<br>1932,<br>average | 1932          | 1933          | 1934          | 1935 <sup>1</sup> |
|                     | 1,000<br>acres            | 1,000<br>acres | 1,000<br>acres | 1,000<br>acres | 1,000<br>acres    | Pounds<br>770             | Pounds<br>725 | Pounds<br>759 | Pounds<br>846 | Pounds<br>902     |
| United States.....  | 1,871.9                   | 1,403.8        | 1,738.4        | 1,278.5        | 1,437.1           | 770                       | 725           | 759           | 846           | 902               |
| Massachusetts.....  | 8.1                       | 6.9            | 5.0            | 3.3            | 3.7               | 1,376                     | 1,487         | 1,418         | 1,502         | 1,405             |
| Connecticut.....    | 22.1                      | 18.5           | 13.8           | 10.6           | 12.4              | 1,348                     | 1,468         | 1,367         | 1,462         | 1,429             |
| New York.....       | 1.3                       | 2.0            | .5             | .2             | .3                | 1,136                     | 1,025         | 1,250         | 1,400         | 1,300             |
| Pennsylvania.....   | 40.6                      | 42.1           | 22.3           | 17.8           | 20.7              | 1,263                     | 1,099         | 980           | 1,201         | 1,376             |
| Ohio.....           | 47.5                      | 46.1           | 33.7           | 24.4           | 26.2              | 850                       | 777           | 831           | 1,052         | 938               |
| Indiana.....        | 16.5                      | 13.3           | 13.6           | 8.5            | 7.6               | 828                       | 736           | 710           | 860           | 800               |
| Wisconsin.....      | 37.1                      | 28.0           | 12.6           | 8.6            | 11.0              | 1,105                     | 1,202         | 1,245         | 1,418         | 1,309             |
| Minnesota.....      | 1.6                       | 1.2            | .8             | .2             | .2                | 1,133                     | 1,100         | 950           | 1,200         | 1,150             |
| Missouri.....       | 6.1                       | 7.3            | 8.2            | 4.3            | 4.1               | 962                       | 935           | 915           | 900           | 950               |
| Kansas.....         | 2.2                       | .2             | .6             | .3             | .3                | 870                       | 810           | 810           | 770           | 850               |
| Maryland.....       | 34.9                      | 37.0           | 37.0           | 36.4           | 36.0              | 751                       | 775           | 900           | 720           | 745               |
| Virginia.....       | 160.0                     | 92.6           | 127.6          | 103.4          | 119.9             | 650                       | 579           | 737           | 785           | 874               |
| West Virginia.....  | 6.0                       | 3.7            | 6.7            | 2.8            | 2.4               | 737                       | 600           | 645           | 640           | 605               |
| North Carolina..... | 678.1                     | 469.0          | 677.0          | 492.0          | 617.7             | 689                       | 628           | 794           | 847           | 935               |
| South Carolina..... | 110.4                     | 68.0           | 103.0          | 72.0           | 96.0              | 692                       | 580           | 860           | 790           | 935               |
| Georgia.....        | 36.9                      | 23.5           | 66.0           | 51.1           | 72.6              | 764                       | 535           | 871           | 629           | 950               |
| Florida.....        | 9.2                       | 4.2            | 6.2            | 6.6            | 9.8               | 883                       | 788           | 770           | 787           | 880               |
| Kentucky.....       | 467.4                     | 410.0          | 449.0          | 323.0          | 291.0             | 790                       | 742           | 716           | 840           | 779               |
| Tennessee.....      | 138.8                     | 130.0          | 166.2          | 113.0          | 105.2             | 801                       | 799           | 843           | 881           | 851               |
| Louisiana.....      | .3                        | .2             | .1             | -----          | -----             | 437                       | 525           | 426           | -----         | -----             |

  

| State               | Production                |                 |                 |                   |                   | Price <sup>4</sup> for crop of— |                 |                 |                   | Farm value <sup>5</sup> |                   |
|---------------------|---------------------------|-----------------|-----------------|-------------------|-------------------|---------------------------------|-----------------|-----------------|-------------------|-------------------------|-------------------|
|                     | 1928-<br>1932,<br>average | 1932            | 1933            | 1934 <sup>2</sup> | 1935 <sup>1</sup> | 1932                            | 1933            | 1934            | 1935 <sup>1</sup> | 1934                    | 1935 <sup>1</sup> |
|                     | 1,000<br>pounds           | 1,000<br>pounds | 1,000<br>pounds | 1,000<br>pounds   | 1,000<br>pounds   | Cts.<br>per lb.                 | Cts.<br>per lb. | Cts.<br>per lb. | Cts.<br>per lb.   | 1,000<br>dolls.         | 1,000<br>dolls.   |
| United States.....  | 1,427,174                 | 1,017,317       | 1,371,131       | 1,081,629         | 1,296,810         | 10.5                            | 13.0            | 21.3            | 18.3              | 224,699                 | 237,011           |
| Massachusetts.....  | 11,310                    | 10,261          | 7,092           | 4,955             | 5,420             | 12.1                            | 16.8            | 28.4            | 28.0              | 1,409                   | 1,517             |
| Connecticut.....    | 29,829                    | 27,158          | 18,858          | 15,495            | 17,715            | 17.6                            | 22.9            | 35.2            | 32.7              | 5,450                   | 5,796             |
| New York.....       | 1,444                     | 2,050           | 625             | 280               | 390               | 3.5                             | 4.0             | 7.5             | 10.0              | 21                      | 39                |
| Pennsylvania.....   | 48,974                    | 46,278          | 21,849          | 21,385            | 28,488            | 4.7                             | 5.0             | 9.3             | 12.0              | 1,989                   | 3,421             |
| Ohio.....           | 41,077                    | 35,811          | 28,000          | 25,662            | 24,565            | 6.7                             | 7.7             | 11.0            | 10.0              | 2,704                   | 2,467             |
| Indiana.....        | 13,266                    | 9,785           | 9,662           | 7,225             | 6,580             | 9.9                             | 7.8             | 14.2            | 17.7              | 962                     | 1,165             |
| Wisconsin.....      | 46,826                    | 36,180          | 15,687          | 12,191            | 15,025            | 4.3                             | 6.3             | 7.0             | 7.3               | 857                     | 1,090             |
| Minnesota.....      | 1,876                     | 1,320           | 285             | 240               | 230               | 3.0                             | 4.0             | 5.5             | 6.0               | 13                      | 14                |
| Missouri.....       | 5,836                     | 6,826           | 7,503           | 2,967             | 3,895             | 13.5                            | 9.7             | 6.0             | 12.2              | 193                     | 475               |
| Kansas.....         | 174                       | 174             | 486             | 231               | 255               | 14.5                            | 10.8            | 8.8             | 12.2              | 19                      | 31                |
| Maryland.....       | 24,318                    | 28,675          | 22,200          | 26,208            | 26,820            | 16.8                            | 17.8            | 17.5            | 18.5              | 4,586                   | 4,962             |
| Virginia.....       | 98,409                    | 53,591          | 94,054          | 81,185            | 104,765           | 8.9                             | 12.8            | 23.0            | 17.9              | 18,453                  | 18,765            |
| West Virginia.....  | 4,224                     | 2,220           | 4,322           | 1,702             | 1,596             | 14.8                            | 11.0            | 16.3            | 17.1              | 280                     | 273               |
| North Carolina..... | 469,135                   | 293,528         | 537,355         | 416,840           | 577,435           | 12.2                            | 16.0            | 28.5            | 20.3              | 118,508                 | 117,443           |
| South Carolina..... | 75,918                    | 39,440          | 85,580          | 56,880            | 89,760            | 11.3                            | 12.6            | 21.6            | 18.8              | 12,286                  | 10,875            |
| Georgia.....        | 70,159                    | 12,565          | 57,466          | 32,148            | 69,000            | 11.3                            | 11.4            | 19.1            | 18.9              | 6,144                   | 13,033            |
| Florida.....        | 7,766                     | 3,310           | 4,772           | 5,192             | 5,680             | 25.3                            | 16.1            | 30.4            | 27.6              | 1,779                   | 2,398             |
| Kentucky.....       | 362,587                   | 304,115         | 321,410         | 271,253           | 226,718           | 10.1                            | 10.1            | 14.6            | 15.4              | 36,822                  | 34,814            |
| Tennessee.....      | 114,030                   | 103,925         | 130,883         | 90,500            | 89,473            | 9.7                             | 10.4            | 12.7            | 13.9              | 12,064                  | 12,443            |
| Louisiana.....      | 135                       | 105             | 42              | -----             | -----             | 27.5                            | 23.0            | -----           | -----             | -----                   | -----             |

<sup>1</sup> Preliminary.<sup>2</sup> 9-year average, 1924-32.<sup>3</sup> 1932 only.<sup>4</sup> Weighted average price for the crop-marketing season.<sup>5</sup> Basis weighted average price for the crop-marketing season.<sup>6</sup> Includes 26,500,000 pounds rendered unmarketable in compliance with A. A. A. contracts.

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 635.—TAME HAY: ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

| Division and State      | Acreage harvested |                |                   | Yield per acre    |                   |                   | Production                 |                            |                            | Price <sup>1</sup> for crop of— |                      | Farm value <sup>2</sup> |                   |
|-------------------------|-------------------|----------------|-------------------|-------------------|-------------------|-------------------|----------------------------|----------------------------|----------------------------|---------------------------------|----------------------|-------------------------|-------------------|
|                         | 1933              | 1934           | 1935 <sup>3</sup> | 1933              | 1934              | 1935 <sup>3</sup> | 1933                       | 1934                       | 1935 <sup>3</sup>          | 1934                            | 1935 <sup>3</sup>    | 1934                    | 1935 <sup>3</sup> |
|                         | 1,000<br>acres    | 1,000<br>acres | 1,000<br>acres    | Tons <sup>4</sup> | Tons <sup>4</sup> | Tons <sup>4</sup> | 1,000<br>tons <sup>4</sup> | 1,000<br>tons <sup>4</sup> | 1,000<br>tons <sup>4</sup> | Dolls.<br>per<br>ton            | Dolls.<br>per<br>ton | 1,000<br>dolls.         | 1,000<br>dolls.   |
| United States.....      | 53,965            | 61,828         | 62,026            | 1.23              | 1.01              | 1.45              | 66,130                     | 62,269                     | 76,619                     | 13.96                           | 7.70                 | 729,665                 | 582,480           |
| New England.....        | 2,838             | 2,913          | 2,950             | 1.02              | 1.00              | 1.13              | 2,899                      | 2,907                      | 3,323                      | 17.54                           | 12.16                | 50,983                  | 40,414            |
| Maine.....              | 466               | 990            | 1,001             | .83               | .79               | .90               | 804                        | 786                        | 898                        | 15.00                           | 10.50                | 11,700                  | 9,429             |
| New Hampshire.....      | 336               | 982            | 383               | .96               | .68               | 1.07              | 322                        | 375                        | 416                        | 17.50                           | 12.80                | 6,562                   | 5,825             |
| Vermont.....            | 919               | 913            | 919               | 1.05              | 1.04              | 1.22              | 968                        | 948                        | 1,119                      | 18.26                           | 10.30                | 17,254                  | 11,520            |
| Massachusetts.....      | 330               | 336            | 348               | 1.31              | 1.22              | 1.39              | 433                        | 411                        | 483                        | 19.60                           | 15.70                | 8,056                   | 7,583             |
| Rhode Island.....       | 35                | 42             | 43                | 1.26              | 1.21              | 1.26              | 44                         | 51                         | 54                         | 21.00                           | 15.40                | 1,071                   | 832               |
| Connecticut.....        | 252               | 260            | 251               | 1.30              | 1.34              | 1.41              | 328                        | 336                        | 353                        | 18.60                           | 16.20                | 6,250                   | 5,719             |
| Middle Atlantic.....    | 6,666             | 6,656          | 6,660             | 1.21              | .97               | 1.36              | 8,063                      | 6,465                      | 9,055                      | 15.91                           | 9.14                 | 102,890                 | 82,762            |
| New York.....           | 4,030             | 4,000          | 4,023             | 1.14              | .88               | 1.30              | 4,576                      | 3,506                      | 5,475                      | 16.20                           | 8.30                 | 56,797                  | 45,442            |
| New Jersey.....         | 212               | 215            | 208               | 1.76              | 1.85              | 1.63              | 870                        | 397                        | 389                        | 16.00                           | 13.50                | 6,352                   | 4,576             |
| Pennsylvania.....       | 2,424             | 2,420          | 2,429             | 1.28              | 1.06              | 1.33              | 8,107                      | 6,282                      | 3,241                      | 15.00                           | 10.10                | 39,711                  | 32,734            |
| East North Central..... | 11,943            | 11,953         | 11,955            | 1.15              | .91               | 1.56              | 13,756                     | 10,828                     | 18,209                     | 15.43                           | 6.77                 | 187,069                 | 123,291           |
| Ohio.....               | 2,468             | 2,620          | 2,373             | .96               | .77               | 1.35              | 2,378                      | 2,831                      | 3,196                      | 14.30                           | 6.80                 | 29,043                  | 21,094            |
| Indiana.....            | 1,605             | 1,871          | 1,752             | 1.07              | .96               | 1.41              | 1,812                      | 1,804                      | 2,463                      | 13.60                           | 7.00                 | 24,534                  | 17,241            |
| Illinois.....           | 2,340             | 2,630          | 2,514             | 1.21              | 1.01              | 1.50              | 2,824                      | 2,657                      | 3,780                      | 14.30                           | 7.50                 | 37,995                  | 28,350            |
| Michigan.....           | 2,491             | 2,373          | 2,320             | 1.23              | .81               | 1.64              | 3,059                      | 1,914                      | 3,683                      | 17.30                           | 6.10                 | 33,112                  | 21,857            |
| Wisconsin.....          | 2,049             | 2,450          | 2,687             | 1.25              | .99               | 1.93              | 3,685                      | 2,422                      | 5,182                      | 17.50                           | 6.70                 | 42,385                  | 34,719            |
| West North Central..... | 14,816            | 12,496         | 12,588            | 1.13              | .78               | 1.52              | 16,053                     | 9,738                      | 19,187                     | 15.37                           | 5.87                 | 149,661                 | 112,590           |
| Minnesota.....          | 2,706             | 2,500          | 2,408             | 1.16              | .84               | 1.75              | 3,130                      | 2,154                      | 4,319                      | 14.30                           | 5.10                 | 30,802                  | 22,027            |
| Iowa.....               | 3,303             | 3,246          | 3,204             | 1.30              | .92               | 1.65              | 4,307                      | 2,983                      | 6,232                      | 15.70                           | 6.60                 | 46,833                  | 34,927            |
| Missouri.....           | 2,737             | 2,429          | 2,280             | .91               | .62               | 1.17              | 2,493                      | 1,510                      | 2,677                      | 15.70                           | 7.70                 | 23,707                  | 20,613            |
| North Dakota.....       | 1,281             | 1,093          | 951               | .72               | .40               | 1.36              | 919                        | 435                        | 1,295                      | 13.60                           | 4.90                 | 5,916                   | 5,130             |
| South Dakota.....       | 1,176             | 747            | 815               | .63               | .50               | 1.02              | 738                        | 374                        | 831                        | 16.20                           | 4.45                 | 6,059                   | 3,698             |
| Nebraska.....           | 1,871             | 1,450          | 1,710             | 1.03              | .96               | 1.73              | 2,858                      | 1,421                      | 2,957                      | 15.70                           | 4.85                 | 22,310                  | 14,341            |
| Kansas.....             | 1,142             | 960            | 1,165             | 1.41              | .91               | 1.67              | 1,608                      | 861                        | 1,816                      | 16.30                           | 6.50                 | 14,034                  | 11,804            |
| South Atlantic.....     | 3,739             | 3,979          | 4,007             | .94               | .88               | .97               | 3,518                      | 3,515                      | 3,589                      | 15.72                           | 11.71                | 55,241                  | 45,457            |
| Delaware.....           | 73                | 71             | 74                | 1.67              | 1.76              | 1.69              | 122                        | 125                        | 125                        | 12.80                           | 11.70                | 1,000                   | 1,462             |
| Maryland.....           | 403               | 403            | 404               | 1.31              | 1.43              | 1.39              | 529                        | 578                        | 661                        | 13.00                           | 10.00                | 7,514                   | 5,610             |
| Virginia.....           | 921               | 960            | 976               | 1.13              | .99               | 1.14              | 1,038                      | 948                        | 1,113                      | 15.20                           | 11.60                | 14,410                  | 12,911            |
| West Virginia.....      | 629               | 635            | 632               | 1.11              | .79               | 1.15              | 696                        | 502                        | 724                        | 17.50                           | 10.30                | 8,785                   | 7,457             |
| North Carolina.....     | 666               | 765            | 743               | .82               | .91               | .88               | 545                        | 699                        | 652                        | 18.50                           | 14.60                | 12,932                  | 9,510             |
| South Carolina.....     | 263               | 283            | 286               | .74               | .71               | .73               | 195                        | 201                        | 210                        | 18.60                           | 14.20                | 3,739                   | 2,982             |
| Georgia.....            | 706               | 773            | 801               | .61               | .54               | .56               | 358                        | 414                        | 451                        | 13.50                           | 11.00                | 5,589                   | 4,961             |
| Florida.....            | 78                | 89             | 91                | .45               | .54               | .52               | 35                         | 48                         | 47                         | 14.00                           | 11.80                | 672                     | 555               |
| East South Central..... | 3,373             | 3,363          | 3,262             | .98               | .92               | 1.01              | 3,317                      | 3,091                      | 3,290                      | 13.11                           | 9.97                 | 40,536                  | 32,808            |
| Kentucky.....           | 1,207             | 1,175          | 1,152             | 1.06              | 1.02              | 1.19              | 1,341                      | 1,202                      | 1,374                      | 13.50                           | 9.40                 | 16,227                  | 12,916            |
| Tennessee.....          | 1,275             | 1,229          | 1,164             | 1.00              | .89               | .99               | 1,271                      | 1,089                      | 1,140                      | 13.40                           | 9.80                 | 14,593                  | 11,260            |
| Alabama.....            | 516               | 602            | 603               | .67               | .65               | .65               | 348                        | 394                        | 391                        | 12.50                           | 11.50                | 4,925                   | 4,406             |
| Mississippi.....        | 315               | 360            | 343               | 1.14              | 1.13              | 1.10              | 359                        | 406                        | 376                        | 11.80                           | 11.00                | 4,791                   | 4,136             |
| West South Central..... | 1,721             | 1,775          | 1,852             | 1.15              | .93               | 1.16              | 1,984                      | 1,651                      | 2,147                      | 12.98                           | 8.65                 | 21,429                  | 18,567            |
| Arkansas.....           | 581               | 610            | 598               | 1.17              | .83               | .97               | 679                        | 507                        | 580                        | 14.40                           | 11.20                | 7,301                   | 6,496             |
| Louisiana.....          | 176               | 204            | 218               | 1.17              | 1.32              | 1.28              | 206                        | 269                        | 279                        | 10.30                           | 8.90                 | 2,771                   | 2,433             |
| Oklahoma.....           | 449               | 444            | 409               | 1.32              | 1.12              | 1.30              | 591                        | 496                        | 601                        | 12.20                           | 6.90                 | 6,051                   | 4,492             |
| Texas.....              | 515               | 517            | 567               | .99               | .73               | 1.12              | 508                        | 379                        | 637                        | 14.00                           | 8.90                 | 5,306                   | 5,096             |
| Mountain.....           | 5,960             | 5,936          | 5,501             | 1.61              | 1.35              | 1.88              | 9,373                      | 8,830                      | 8,930                      | 10.94                           | 7.20                 | 74,627                  | 64,265            |
| Montana.....            | 1,548             | 1,425          | 1,481             | 1.25              | 1.08              | 1.08              | 1,934                      | 1,512                      | 1,699                      | 11.30                           | 8.70                 | 17,086                  | 13,911            |
| Idaho.....              | 1,086             | 1,010          | 1,047             | 2.14              | 2.08              | 2.15              | 2,329                      | 2,095                      | 2,409                      | 8.60                            | 6.60                 | 18,017                  | 14,843            |
| Wyoming.....            | 693               | 655            | 818               | 1.16              | 1.01              | 1.36              | 1,037                      | 670                        | 1,115                      | 12.90                           | 7.20                 | 8,643                   | 8,028             |
| Colorado.....           | 1,249             | 950            | 1,099             | 1.40              | 1.21              | 1.64              | 1,867                      | 1,164                      | 1,801                      | 12.00                           | 6.50                 | 13,908                  | 11,706            |
| New Mexico.....         | 164               | 156            | 161               | 2.11              | 1.81              | 2.07              | 346                        | 283                        | 334                        | 13.50                           | 8.70                 | 3,820                   | 2,903             |
| Arizona.....            | 170               | 147            | 148               | 2.64              | 2.41              | 2.72              | 449                        | 354                        | 402                        | 13.00                           | 8.50                 | 4,602                   | 3,417             |
| Utah.....               | 643               | 501            | 556               | 1.94              | 1.08              | 1.94              | 1,249                      | 541                        | 1,078                      | 12.50                           | 6.90                 | 6,762                   | 7,438             |
| Nevada.....             | 207               | 166            | 191               | 1.76              | 1.21              | 1.84              | 362                        | 201                        | 352                        | 8.60                            | 5.70                 | 1,729                   | 2,006             |
| Pacific.....            | 3,609             | 3,678          | 3,568             | 1.99              | 1.97              | 2.14              | 6,975                      | 7,254                      | 7,595                      | 9.27                            | 8.21                 | 87,259                  | 82,846            |
| Washington.....         | 822               | 901            | 898               | 1.76              | 1.09              | 1.94              | 1,443                      | 1,795                      | 1,741                      | 8.80                            | 8.30                 | 15,799                  | 14,450            |
| Oregon.....             | 967               | 1,044          | 1,061             | 1.66              | 1.66              | 1.50              | 1,595                      | 1,737                      | 1,695                      | 8.20                            | 8.40                 | 14,243                  | 13,898            |
| California.....         | 1,720             | 1,733          | 1,597             | 2.29              | 2.15              | 2.67              | 3,937                      | 3,722                      | 4,259                      | 10.00                           | 8.10                 | 87,220                  | 34,498            |

<sup>1</sup> Dec. 1 price.<sup>2</sup> Basis, Dec. 1 price.<sup>3</sup> Preliminary.<sup>4</sup> Tons of 2,000 pounds.

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 636.—WILD HAY: ACREAGE, PRODUCTION, AND FARM VALUE, BY STATES

| Division and State      | Acreage harvested |             |                   | Yield per acre    |                   |                   | Production              |                         |                         | Price <sup>1</sup> per crop of— |                   | Farm value <sup>2</sup> |                   |
|-------------------------|-------------------|-------------|-------------------|-------------------|-------------------|-------------------|-------------------------|-------------------------|-------------------------|---------------------------------|-------------------|-------------------------|-------------------|
|                         | 1933              | 1934        | 1935 <sup>3</sup> | 1933              | 1934              | 1935 <sup>3</sup> | 1933                    | 1934                    | 1935 <sup>3</sup>       | 1934                            | 1935 <sup>3</sup> | 1934                    | 1935 <sup>3</sup> |
|                         | 1,000 acres       | 1,000 acres | 1,000 acres       | Tons <sup>4</sup> | Tons <sup>4</sup> | Tons <sup>4</sup> | 1,000 tons <sup>4</sup> | 1,000 tons <sup>4</sup> | 1,000 tons <sup>4</sup> | Dolla. per ton                  | Dolla. per ton    | 1,000 dolla.            | 1,000 dolla.      |
| United States.....      | 12, 063           | 8, 623      | 12, 300           | 0.70              | 0.55              | 0.92              | 8, 412                  | 4, 729                  | 11, 338                 | 11.48                           | 4.65              | 54, 296                 | 52, 714           |
| New England.....        | 39                | 46          | 38                | .80               | .93               | .97               | 35                      | 43                      | 35                      | 11.30                           | 8.29              | 486                     | 990               |
| Maine.....              | 7                 | 8           | 7                 | .85               | .90               | .85               | 6                       | 7                       | 6                       | 10.30                           | 7.30              | 72                      | 44                |
| New Hampshire.....      | 7                 | 8           | 6                 | .90               | .90               | 1.00              | 6                       | 7                       | 6                       | 11.50                           | 8.00              | 80                      | 48                |
| Vermont.....            | 8                 | 10          | 6                 | .80               | .90               | .95               | 6                       | 9                       | 6                       | 11.60                           | 6.20              | 104                     | 37                |
| Massachusetts.....      | 7                 | 9           | 7                 | .90               | .95               | .95               | 6                       | 9                       | 7                       | 11.10                           | 9.20              | 100                     | 64                |
| Rhode Island.....       | 1                 | 1           | 1                 | .90               | 1.00              | 1.00              | 1                       | 1                       | 1                       | 10.30                           | 10.00             | 10                      | 10                |
| Connecticut.....        | 9                 | 10          | 9                 | 1.10              | 1.00              | 1.00              | 10                      | 10                      | 9                       | 12.00                           | 9.70              | 120                     | 87                |
| Middle Atlantic.....    | 55                | 59          | 55                | .96               | .88               | .94               | 53                      | 52                      | 61                      | 10.15                           | 6.38              | 528                     | 389               |
| New York.....           | 33                | 34          | 37                | .80               | .75               | .85               | 26                      | 26                      | 31                      | 10.90                           | 5.60              | 283                     | 174               |
| New Jersey.....         | 13                | 14          | 10                | 1.50              | 1.35              | 1.25              | 20                      | 19                      | 20                      | 9.00                            | 7.50              | 171                     | 150               |
| Pennsylvania.....       | 9                 | 11          | 12                | .80               | .65               | .85               | 7                       | 7                       | 10                      | 10.60                           | 6.50              | 74                      | 65                |
| East North Central..... | 414               | 494         | 312               | .93               | .77               | 1.06              | 384                     | 356                     | 331                     | 10.88                           | 4.16              | 3, 875                  | 1, 978            |
| Ohio.....               | 3                 | 6           | 5                 | .70               | .45               | .85               | 2                       | 3                       | 4                       | 9.50                            | 5.80              | 28                      | 23                |
| Indiana.....            | 9                 | 10          | 7                 | .85               | .60               | 1.00              | 8                       | 6                       | 7                       | 9.30                            | 5.00              | 56                      | 35                |
| Illinois.....           | 21                | 20          | 21                | .80               | .50               | 1.00              | 17                      | 10                      | 21                      | 10.00                           | 4.85              | 100                     | 102               |
| Michigan.....           | 31                | 57          | 27                | .80               | .70               | .80               | 25                      | 40                      | 22                      | 10.60                           | 5.00              | 424                     | 110               |
| Wisconsin.....          | 350               | 371         | 252               | .95               | .80               | 1.10              | 332                     | 297                     | 277                     | 11.00                           | 4.00              | 3, 267                  | 1, 108            |
| West North Central..... | 8, 625            | 5, 385      | 8, 689            | .63               | .44               | .89               | 5, 373                  | 2, 391                  | 7, 724                  | 12.82                           | 3.93              | 30, 662                 | 30, 338           |
| Minnesota.....          | 1, 772            | 1, 353      | 1, 660            | .70               | .55               | 1.15              | 1, 240                  | 744                     | 1, 898                  | 11.20                           | 3.60              | 8, 333                  | 6, 833            |
| Iowa.....               | 180               | 173         | 187               | .90               | .75               | 1.15              | 162                     | 130                     | 215                     | 12.00                           | 5.40              | 1, 560                  | 1, 101            |
| Missouri.....           | 141               | 120         | 146               | .75               | .60               | 1.25              | 106                     | 72                      | 182                     | 13.20                           | 6.20              | 950                     | 1, 128            |
| North Dakota.....       | 1, 732            | 830         | 1, 572            | .70               | .35               | .90               | 1, 212                  | 290                     | 1, 415                  | 12.80                           | 3.00              | 3, 712                  | 5, 094            |
| South Dakota.....       | 1, 144            | 389         | 1, 712            | .40               | .35               | .65               | 458                     | 136                     | 1, 113                  | 15.70                           | 3.70              | 2, 135                  | 4, 118            |
| Nebraska.....           | 2, 779            | 1, 839      | 2, 605            | .60               | .35               | .80               | 1, 667                  | 644                     | 2, 084                  | 14.40                           | 3.80              | 9, 274                  | 7, 919            |
| Kansas.....             | 777               | 681         | 817               | .68               | .55               | 1.00              | 523                     | 375                     | 817                     | 12.60                           | 5.00              | 4, 688                  | 4, 086            |
| South Atlantic.....     | 76                | 98          | 85                | .84               | .80               | .81               | 64                      | 70                      | 69                      | 11.83                           | 9.86              | 828                     | 690               |
| Delaware.....           | 1                 | 1           | 1                 | 1.15              | 1.00              | 1.00              | 1                       | 1                       | 1                       | 8.00                            | 7.60              | 8                       | 8                 |
| Maryland.....           | 4                 | 4           | 4                 | .85               | .85               | .85               | 3                       | 3                       | 3                       | 10.80                           | 9.00              | 32                      | 27                |
| Virginia.....           | 10                | 9           | 7                 | .85               | .80               | .80               | 8                       | 7                       | 6                       | 10.00                           | 8.00              | 70                      | 48                |
| West Virginia.....      | 7                 | 14          | 12                | .85               | .50               | .80               | 6                       | 7                       | 10                      | 10.00                           | 9.00              | 70                      | 90                |
| North Carolina.....     | 20                | 23          | 23                | 1.00              | 1.00              | .90               | 20                      | 23                      | 21                      | 13.20                           | 10.70             | 304                     | 225               |
| South Carolina.....     | 15                | 16          | 17                | .75               | .80               | .70               | 11                      | 13                      | 12                      | 14.00                           | 10.50             | 182                     | 126               |
| Georgia.....            | 18                | 20          | 20                | .75               | .75               | .75               | 14                      | 15                      | 16                      | 10.00                           | 10.00             | 150                     | 150               |
| Florida.....            | 1                 | 1           | 1                 | .60               | .60               | .60               | 1                       | 1                       | 1                       | 12.50                           | 6.20              | 12                      | 6                 |
| East South Central..... | 145               | 147         | 153               | .90               | .84               | .84               | 130                     | 124                     | 128                     | 8.85                            | 7.72              | 1, 097                  | 988               |
| Kentucky.....           | 12                | 15          | 15                | .95               | .80               | .95               | 11                      | 12                      | 14                      | 8.80                            | 4.90              | 106                     | 69                |
| Tennessee.....          | 30                | 22          | 21                | .80               | .70               | .80               | 24                      | 15                      | 17                      | 9.20                            | 6.30              | 138                     | 107               |
| Alabama.....            | 42                | 40          | 40                | .80               | .70               | .70               | 34                      | 28                      | 28                      | 10.00                           | 9.30              | 280                     | 200               |
| Mississippi.....        | 61                | 70          | 77                | 1.00              | .98               | .98               | 61                      | 69                      | 69                      | 8.30                            | 8.00              | 573                     | 552               |
| West South Central..... | 937               | 932         | 1, 018            | .79               | .61               | 1.14              | 744                     | 669                     | 1, 156                  | 10.62                           | 5.95              | 6, 986                  | 6, 878            |
| Arkansas.....           | 150               | 170         | 198               | 1.05              | .70               | 1.15              | 158                     | 119                     | 193                     | 10.80                           | 7.70              | 1, 285                  | 1, 486            |
| Louisiana.....          | 20                | 21          | 22                | 1.20              | .70               | 1.10              | 24                      | 15                      | 24                      | 7.00                            | 7.40              | 105                     | 178               |
| Oklahoma.....           | 520               | 494         | 551               | .70               | .58               | 1.15              | 364                     | 287                     | 634                     | 10.60                           | 5.00              | 3, 042                  | 3, 170            |
| Texas.....              | 247               | 247         | 277               | .80               | .60               | 1.10              | 198                     | 148                     | 305                     | 10.50                           | 6.70              | 1, 564                  | 2, 044            |
| Mountain.....           | 1, 430            | 1, 127      | 1, 489            | .83               | .67               | .88               | 1, 188                  | 760                     | 1, 305                  | 10.90                           | 6.59              | 8, 282                  | 8, 598            |
| Montana.....            | 468               | 380         | 516               | .75               | .65               | .75               | 351                     | 247                     | 387                     | 11.00                           | 7.90              | 2, 717                  | 3, 057            |
| Idaho.....              | 96                | 83          | 100               | 1.00              | .80               | 1.00              | 96                      | 66                      | 100                     | 8.00                            | 5.30              | 528                     | 530               |
| Wyoming.....            | 275               | 185         | 296               | .60               | .50               | .80               | 165                     | 92                      | 237                     | 12.70                           | 6.80              | 1, 188                  | 1, 612            |
| Colorado.....           | 373               | 308         | 354               | 1.00              | .70               | 1.00              | 373                     | 216                     | 354                     | 11.90                           | 6.00              | 2, 570                  | 2, 124            |
| New Mexico.....         | 30                | 16          | 20                | .75               | .60               | .85               | 22                      | 10                      | 17                      | 13.50                           | 8.00              | 135                     | 136               |
| Arizona.....            | 10                | 15          | 15                | .90               | .80               | 1.25              | 9                       | 12                      | 19                      | 10.00                           | 8.00              | 120                     | 152               |
| Utah.....               | 56                | 54          | 69                | 1.10              | .80               | 1.05              | 62                      | 43                      | 62                      | 10.50                           | 5.10              | 452                     | 316               |
| Nevada.....             | 122               | 88          | 129               | .90               | .86               | 1.00              | 110                     | 74                      | 129                     | 8.00                            | 5.20              | 592                     | 671               |
| Pacific.....            | 432               | 375         | 463               | 1.02              | .97               | 1.17              | 441                     | 364                     | 529                     | 7.04                            | 6.00              | 2, 562                  | 3, 176            |
| Washington.....         | 32                | 28          | 29                | 1.10              | 1.25              | 1.20              | 35                      | 35                      | 35                      | 7.40                            | 6.80              | 259                     | 238               |
| Oregon.....             | 268               | 224         | 224               | 1.05              | 1.00              | 1.00              | 281                     | 224                     | 224                     | 7.00                            | 6.00              | 1, 568                  | 1, 344            |
| California.....         | 132               | 123         | 200               | .95               | .85               | 1.35              | 125                     | 105                     | 270                     | 7.00                            | 5.90              | 735                     | 1, 598            |

<sup>1</sup> Dec. 1 price.<sup>2</sup> Basis, Dec. 1 price.<sup>3</sup> Preliminary.<sup>4</sup> Tons of 2,000 pounds.

Source: Bureau of Agricultural Economics, Department of Agriculture.

# No. 637.—TRUCK CROPS: COMMERCIAL ACREAGE, PRODUCTION, AND VALUE, FOR MARKET AND MANUFACTURE

NOTE.—Only States with a crop of commercial importance are included. Approximate weights of the units of measurements are as follows: Number of pounds to the crate—aspargus, 24; cantaloups, 60; cauliflower, 30; celery, 90 ( $\frac{1}{2}$  size crates); strawberries, 36 (24 quart crates). Number of pounds to the bushel—beans, snap, 30; beans, lima, 32; beets, 52; carrots, 50; cucumbers, 48; eggplant, 33; kale, 18; peas, green, 30; peppers, 25; potatoes, 60; spinach, 18; tomatoes, 63. Number of pounds to a box of artichokes, 40. Lettuce is in western crates (mostly 4 to 6 dozen heads); onions, 100-pound sacks. Tons are of 2,000 pounds. Values are based on average seasonal farm prices.

| Crop                           | Acreage |         |         |         |                      | Production (thousands of units) |        |
|--------------------------------|---------|---------|---------|---------|----------------------|---------------------------------|--------|
|                                | 1932    | 1933    | 1934    | 1935    | 1935, leading States | Unit                            | 1932   |
| Artichokes.....                | 6,330   | 6,350   | 8,350   | 9,000   | Calif.               | Box.....                        | 570    |
| Asparagus.....                 | 110,850 | 110,100 | 112,880 | 109,810 | Calif., N. J.        | Ton.....                        | 101    |
| Beans, lima.....               | 31,000  | 28,280  | 36,900  | 36,650  | N. J., Del.          | (1)                             |        |
| Beans, snap.....               | 153,710 | 163,770 | 192,250 | 193,040 | Fla., Md.            | Ton.....                        | 213    |
| Beets.....                     | 13,710  | 14,440  | 19,040  | 18,490  | Tex., N. Y.          | do.....                         | 65     |
| Cabbage.....                   | 140,310 | 125,370 | 176,730 | 138,310 | N. Y., Wis.          | do.....                         | 987    |
| Cantaloups.....                | 136,780 | 100,060 | 96,500  | 112,840 | Calif., Ariz.        | Crate.....                      | 16,931 |
| Carrots.....                   | 29,850  | 32,590  | 35,880  | 36,810  | Calif., Tex.         | Bushel.....                     | 10,815 |
| Cauliflower.....               | 31,800  | 30,150  | 28,550  | 28,710  | Calif., N. Y.        | Crate.....                      | 7,730  |
| Celery.....                    | 36,600  | 31,250  | 32,300  | 34,190  | Calif., Fla.         | do.....                         | 9,894  |
| Corn, sweet <sup>2</sup> ..... | 187,630 | 224,670 | 312,130 | 423,800 | Ill., Minn.          | (1)                             |        |
| Cucumbers.....                 | 78,210  | 98,470  | 121,820 | 133,160 | Mich., Wis.          | Bushel.....                     | 5,263  |
| Eggplant.....                  | 3,650   | 4,000   | 3,720   | 3,430   | Fla., N. J.          | do.....                         | 809    |
| Kale.....                      | 1,800   | 1,800   | 1,600   | 1,600   | Va.                  | do.....                         | 1,080  |
| Lettuce.....                   | 163,850 | 141,110 | 164,420 | 163,940 | Calif., Ariz.        | Crate.....                      | 17,820 |
| Onions.....                    | 91,750  | 80,670  | 84,820  | 98,980  | Tex., Mich.          | Sack.....                       | 16,530 |
| Peas, green.....               | 209,240 | 327,490 | 350,940 | 424,730 | Wis., Calif.         | (1)                             |        |
| Peppermint oil.....            | 27,720  | 22,850  | 25,220  | 37,470  | Ind., Mich.          | Pound.....                      | 421    |
| Peppers, green.....            | 17,270  | 17,590  | 16,200  | 17,250  | Fla., N. J.          | Bushel.....                     | 3,894  |
| Pimientos.....                 | 8,910   | 5,780   | 9,540   | 13,550  | Ca., Calif.          | Ton.....                        | 15     |
| Potatoes, early Irish.....     | 275,400 | 262,800 | 307,800 | 272,100 | Va., N. J.           | Bushel.....                     | 33,320 |
| Spinach.....                   | 54,450  | 74,110  | 69,880  | 72,730  | Tex., Calif.         | Ton.....                        | 127    |
| Strawberries.....              | 188,300 | 196,170 | 197,660 | 163,310 | La., Tenn.           | Crate.....                      | 13,323 |
| Tomatoes.....                  | 433,120 | 434,580 | 525,870 | 624,950 | Ind., Calif.         | Ton.....                        | 1,676  |
| Watermelons.....               | 220,980 | 182,650 | 192,340 | 204,410 | Ga., Tex.            | Number.....                     | 59,897 |

| Crop                           | Production (thousands of units)—Cont'd. |        |        |                      | Value (thousands of dollars) |        |        |        |
|--------------------------------|-----------------------------------------|--------|--------|----------------------|------------------------------|--------|--------|--------|
|                                | 1933                                    | 1934   | 1935   | 1935, leading States | 1932                         | 1933   | 1934   | 1935   |
| Artichokes.....                | 743                                     | 1,090  | 1,017  | Calif.               | 1,197                        | 921    | 1,060  | 1,720  |
| Asparagus.....                 | 111                                     | 113    | 112    | Calif., N. J.        | 9,685                        | 8,456  | 10,034 | 10,882 |
| Beans, lima.....               |                                         |        |        | Del., Va.            | 1,618                        | 1,084  | 1,670  | 1,762  |
| Beans, snap.....               | 223                                     | 270    | 258    | Fla., N. J.          | 12,121                       | 11,964 | 13,044 | 15,541 |
| Beets.....                     | 70                                      | 101    | 90     | Tex., N. Y.          | 889                          | 1,009  | 1,426  | 1,393  |
| Cabbage.....                   | 728                                     | 1,230  | 926    | N. Y., Wis.          | 11,168                       | 12,563 | 9,590  | 12,106 |
| Cantaloups.....                | 12,916                                  | 12,087 | 13,322 | Calif., Ariz.        | 11,492                       | 9,530  | 13,351 | 11,927 |
| Carrots.....                   | 10,635                                  | 13,006 | 13,362 | Calif., Tex.         | 6,316                        | 5,019  | 6,503  | 7,503  |
| Cauliflower.....               | 7,000                                   | 6,621  | 7,150  | Calif., N. Y.        | 4,766                        | 4,175  | 3,944  | 5,023  |
| Celery.....                    | 8,624                                   | 8,642  | 8,322  | Calif., Fla.         | 11,296                       | 10,682 | 10,492 | 14,973 |
| Corn, sweet <sup>3</sup> ..... |                                         |        |        | Ill., Minn.          | 4,029                        | 4,527  | 5,471  | 9,019  |
| Cucumbers.....                 | 6,632                                   | 7,897  | 9,333  | Mich., N. J.         | 3,253                        | 3,958  | 5,090  | 5,790  |
| Eggplant.....                  | 910                                     | 746    | 707    | N. J., Fla.          | 520                          | 488    | 445    | 446    |
| Kale.....                      | 900                                     | 225    | 285    | Va.                  | 216                          | 315    | 90     | 100    |
| Lettuce.....                   | 17,374                                  | 19,294 | 19,580 | Calif., Ariz.        | 21,729                       | 21,989 | 25,778 | 28,213 |
| Onions.....                    | 12,171                                  | 13,007 | 14,140 | N. Y., Tex.          | 10,444                       | 13,219 | 14,538 | 18,077 |
| Peas, green.....               |                                         |        |        | Wis., Calif.         | 14,039                       | 13,602 | 18,809 | 23,182 |
| Peppermint oil.....            | 503                                     | 653    | 1,169  | Ind., Mich.          | 599                          | 902    | 1,537  | 2,000  |
| Peppers, green.....            | 4,227                                   | 3,499  | 3,217  | Fla., N. J.          | 2,761                        | 2,040  | 2,746  | 2,280  |
| Pimientos.....                 | 8                                       | 16     | 21     | Ga., Calif.          | 477                          | 210    | 463    | 647    |
| Potatoes, early Irish.....     | 30,791                                  | 42,799 | 38,094 | N. J., Va.           | 19,578                       | 31,551 | 23,779 | 10,451 |
| Spinach.....                   | 140                                     | 140    | 141    | Calif., Tex.         | 5,743                        | 4,690  | 4,835  | 6,140  |
| Strawberries.....              | 13,333                                  | 13,152 | 28,094 | Tenn., La.           | 24,361                       | 20,945 | 23,084 | 27,308 |
| Tomatoes.....                  | 1,509                                   | 1,893  | 2,174  | Ind., Calif.         | 30,572                       | 30,532 | 38,042 | 41,854 |
| Watermelons.....               | 49,188                                  | 48,176 | 57,264 | Ga., Calif.          | 4,111                        | 4,572  | 5,194  | 5,322  |

<sup>1</sup> Market and canning production estimated in different units which cannot properly be combined.

<sup>2</sup> Includes some quantities not harvested on account of market conditions. Value computed on harvested crop.

<sup>3</sup> Mainly for canning, but includes also market crop for New Jersey.

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 638.—ORCHARD FRUITS: PRODUCTION AND VALUE

| Crop                                    | Production (thousands) |          |          |          |                   | Value (thousands of dollars) <sup>1</sup> |          |          |                   |
|-----------------------------------------|------------------------|----------|----------|----------|-------------------|-------------------------------------------|----------|----------|-------------------|
|                                         | Unit                   | 1932     | 1933     | 1934     | 1935 <sup>2</sup> | 1932                                      | 1933     | 1934     | 1935 <sup>2</sup> |
| Apples, total.....                      | Bu.....                | 140, 775 | 142, 981 | 120, 670 | 167, 283          | 83, 814                                   | 110, 772 | 106, 451 | 118, 584          |
| Commercial <sup>3</sup> .....           | do.....                | 85, 575  | 74, 962  | 73, 534  | 93, 866           | 49, 893                                   | 57, 767  | 64, 067  | 66, 127           |
| Peaches.....                            | do.....                | 42, 443  | 44, 692  | 45, 665  | 52, 808           | 18, 838                                   | 32, 340  | 35, 035  | 44, 410           |
| Pears.....                              | do.....                | 22, 050  | 21, 192  | 23, 490  | 22, 035           | 7, 627                                    | 10, 780  | 16, 195  | 13, 867           |
| Grapes.....                             | Ton.....               | 2, 204   | 1, 910   | 1, 931   | 2, 455            | 26, 982                                   | 33, 841  | 37, 255  | 35, 967           |
| Cherries (12 States).....               | do.....                | 127      | 117      | 114      | 120               | 5, 157                                    | 6, 575   | 6, 781   | 8, 780            |
| Plums and prunes, fresh (5 States)..... | do.....                | 169      | 111      | 137      | 125               | 1, 709                                    | 2, 234   | 3, 432   | 3, 848            |
| Prunes, dried (3 States).....           | do.....                | 195      | 199      | 200      | 298               | 10, 430                                   | 15, 747  | 16, 110  | 17, 688           |
| Oranges (7 States).....                 | Box.....               | 51, 368  | 47, 289  | 64, 937  | 53, 267           | 56, 151                                   | 73, 669  | 88, 389  | 101, 683          |
| Grapefruit (4 States).....              | do.....                | 15, 149  | 14, 243  | 21, 357  | 18, 606           | 12, 722                                   | 15, 936  | 17, 772  | 21, 734           |
| Lemons (California).....                | do.....                | 6, 704   | 7, 295   | 10, 506  | 8, 226            | 14, 078                                   | 17, 143  | 15, 444  | 19, 742           |

<sup>1</sup> Based on average price for the crop-marketing season; for apples, weighted average; for prices used in computing value of oranges and grapefruit, see note 24, table 624.

<sup>2</sup> Preliminary.

<sup>3</sup> Includes some quantities not harvested owing to market conditions; values computed on harvested crop.

<sup>4</sup> Portion of crop which is sold for consumption as fresh fruit.

<sup>5</sup> See note 25, table 624.

<sup>6</sup> As estimated from prospects on July 1, 1936.

## No. 639.—APPLES, PEACHES, PEARS, AND GRAPES: PRODUCTION BY STATES

| State                      | Apples (1,000 bushels) |          |                   | Peaches (1,000 bushels) |         |                   | Pears (1,000 bushels) |         |                   | Grapes (tons of 2,000 pounds) |             |                   |
|----------------------------|------------------------|----------|-------------------|-------------------------|---------|-------------------|-----------------------|---------|-------------------|-------------------------------|-------------|-------------------|
|                            | 1933                   | 1934     | 1935 <sup>1</sup> | 1933                    | 1934    | 1935 <sup>1</sup> | 1933                  | 1934    | 1935 <sup>1</sup> | 1933                          | 1934        | 1935 <sup>1</sup> |
| United States <sup>2</sup> | 142, 981               | 120, 670 | 167, 283          | 44, 692                 | 45, 665 | 52, 808           | 21, 192               | 23, 490 | 22, 035           | 1, 806, 581                   | 1, 931, 168 | 2, 454, 615       |
| Maine.....                 | 1, 884                 | 556      | 893               | —                       | —       | —                 | 11                    | 2       | 6                 | 24                            | 7           | 14                |
| N. H.....                  | 1, 131                 | 312      | 656               | 18                      | —       | 2                 | 12                    | 5       | 8                 | 43                            | 29          | 36                |
| Vt.....                    | 1, 027                 | 255      | 708               | —                       | —       | —                 | 7                     | 3       | 5                 | 31                            | 11          | 26                |
| Mass.....                  | 3, 486                 | 1, 436   | 2, 418            | 134                     | 2       | 21                | 67                    | 35      | 45                | 353                           | 307         | 322               |
| R. I.....                  | 380                    | 97       | 322               | 26                      | 2       | 6                 | 8                     | 6       | 5                 | 207                           | 171         | 154               |
| Conn.....                  | 1, 184                 | 356      | 805               | 172                     | 2       | 37                | 20                    | 14      | 15                | 1, 240                        | 1, 023      | 946               |
| N. Y.....                  | 16, 060                | 11, 844  | 16, 875           | 1, 092                  | 41      | 793               | 900                   | 1, 011  | 663               | 64, 800                       | 49, 400     | 66, 500           |
| N. J.....                  | 3, 380                 | 2, 070   | 4, 200            | 987                     | 22      | 800               | 71                    | 74      | 79                | 2, 535                        | 2, 464      | 3, 116            |
| Pa.....                    | 7, 293                 | 8, 554   | 11, 440           | 1, 144                  | 442     | 1, 675            | 368                   | 385     | 370               | 17, 808                       | 18, 981     | 24, 750           |
| Ohio.....                  | 4, 880                 | 4, 632   | 7, 952            | 456                     | 228     | 1, 606            | 336                   | 394     | 400               | 27, 412                       | 22, 720     | 20, 110           |
| Ind.....                   | 2, 819                 | 1, 020   | 1, 903            | 221                     | 192     | 900               | 100                   | 178     | 170               | 2, 590                        | 2, 812      | 2, 849            |
| Ill.....                   | 2, 200                 | 2, 435   | 7, 624            | 1, 522                  | 528     | 3, 285            | 320                   | 641     | 659               | 5, 986                        | 5, 658      | 6, 660            |
| Mich.....                  | 8, 651                 | 6, 494   | 9, 177            | 215                     | 617     | 1, 966            | 832                   | 745     | 680               | 58, 562                       | 61, 145     | 55, 310           |
| Wis.....                   | 1, 938                 | 1, 204   | 2, 520            | —                       | —       | —                 | —                     | —       | —                 | 357                           | 274         | 340               |
| Minn.....                  | 1, 960                 | 339      | 1, 245            | —                       | —       | —                 | —                     | —       | —                 | 307                           | 194         | 364               |
| Iowa.....                  | 1, 425                 | 962      | 2, 079            | 7                       | 53      | 81                | 68                    | 74      | 102               | 6, 624                        | 5, 060      | 7, 371            |
| Mo.....                    | 3, 132                 | 1, 534   | 4, 425            | 204                     | 468     | 1, 186            | 146                   | 298     | 470               | 9, 880                        | 7, 840      | 8, 840            |
| Nebr.....                  | 370                    | 209      | 475               | 4                       | 5       | 60                | 17                    | 20      | 44                | 1, 824                        | 1, 216      | 2, 584            |
| Kans.....                  | 1, 431                 | 783      | 1, 900            | 14                      | 90      | 198               | 90                    | 145     | 217               | 4, 158                        | 2, 674      | 3, 894            |
| Del.....                   | 932                    | 688      | 1, 418            | 205                     | 64      | 225               | 20                    | 17      | 27                | 2, 443                        | 2, 430      | 2, 697            |
| Md.....                    | 1, 812                 | 1, 102   | 2, 412            | 400                     | 82      | 382               | 66                    | 94      | 106               | 696                           | 614         | 676               |
| Va.....                    | 10, 900                | 9, 275   | 16, 095           | 980                     | 414     | 774               | 270                   | 194     | 325               | 1, 669                        | 1, 692      | 1, 541            |
| W. Va.....                 | 4, 200                 | 3, 630   | 5, 610            | 396                     | 110     | 300               | 57                    | 25      | 64                | 990                           | 944         | 798               |
| N. C.....                  | 5, 254                 | 3, 825   | 3, 975            | 2, 112                  | 2, 312  | 2, 400            | 228                   | 218     | 222               | 4, 661                        | 4, 640      | 3, 864            |
| S. C.....                  | 279                    | 244      | 279               | 1, 033                  | 1, 610  | 1, 781            | 94                    | 84      | 71                | 958                           | 829         | 854               |
| Ga.....                    | 1, 150                 | 874      | 865               | 5, 440                  | 5, 610  | 5, 891            | 114                   | 185     | 97                | 759                           | 738         | 707               |
| Fla.....                   | —                      | —        | 934               | 57                      | 88      | 52                | 25                    | 67      | 35                | 767                           | 1, 026      | 868               |
| Ky.....                    | 2, 340                 | —        | 1, 496            | 216                     | 434     | 546               | 80                    | 184     | 126               | 1, 174                        | 1, 113      | 839               |
| Tenn.....                  | 2, 194                 | 1, 748   | 1, 064            | 580                     | 2, 325  | 899               | 64                    | 285     | 113               | 1, 155                        | 1, 110      | 855               |
| Ala.....                   | 645                    | 588      | 525               | 902                     | 1, 089  | 825               | 132                   | 326     | 145               | 625                           | 641         | 522               |
| Miss.....                  | 174                    | 133      | 145               | 494                     | 781     | 530               | 85                    | 323     | 121               | 231                           | 228         | 208               |
| Ark.....                   | 1, 625                 | 1, 715   | 1, 645            | 672                     | 1, 848  | 1, 290            | 68                    | 158     | 154               | 12, 120                       | 16, 840     | 12, 455           |
| Okl.....                   | 350                    | 348      | 352               | 108                     | 612     | 516               | 69                    | 171     | 245               | 2, 610                        | 2, 112      | 2, 380            |
| Tex.....                   | 98                     | 134      | 177               | 732                     | 1, 287  | 1, 591            | 104                   | 303     | 469               | 1, 520                        | 1, 595      | 1, 904            |
| Mont.....                  | 525                    | 358      | 465               | —                       | —       | —                 | —                     | —       | —                 | —                             | —           | —                 |
| Idaho.....                 | 5, 244                 | 3, 312   | 5, 924            | 51                      | 93      | 160               | 59                    | 52      | 57                | 498                           | 574         | 554               |
| Colo.....                  | 1, 454                 | 1, 354   | 1, 590            | 576                     | 1, 260  | 1, 276            | 271                   | 307     | 351               | 488                           | 459         | 484               |
| N. Mex.....                | 285                    | 1, 240   | 687               | 13                      | 123     | 103               | 9                     | 49      | 38                | 708                           | 1, 336      | 1, 445            |
| Ariz.....                  | 51                     | 63       | 71                | 67                      | 48      | 67                | 13                    | 11      | 12                | 2, 016                        | 1, 732      | 1, 930            |
| Utah.....                  | 313                    | 554      | 543               | 62                      | 558     | 680               | 47                    | 53      | 49                | 390                           | 1, 200      | 1, 562            |
| Wash.....                  | 20, 240                | 33, 000  | 30, 678           | 240                     | 1, 200  | 928               | 4, 264                | 4, 100  | 5, 060            | 5, 320                        | 5, 538      | 6, 524            |
| Oreg.....                  | 3, 500                 | 4, 780   | 3, 500            | 227                     | 314     | 297               | 2, 738                | 2, 470  | 3, 800            | 2, 205                        | 2, 240      | 2, 850            |
| Calif. <sup>3</sup> .....  | 9, 333                 | 6, 500   | 9, 839            | 22, 085                 | 20, 627 | 17, 876           | 0, 269                | 9, 709  | 6, 797            | 1, 660, 000                   | 1, 700, 000 | 2, 194, 000       |
| Other States.....          | 179                    | 110      | 233               | 160                     | 204     | 183               | 35                    | 75      | 58                | 133                           | 151         | 152               |

<sup>1</sup> Preliminary.

<sup>2</sup> Includes some quantities not harvested on account of market conditions.

<sup>3</sup> Production for California includes some quantities not harvested on account of market conditions as follows—peaches, 1933, 3,647,000 bushels, including 1,480,000 sold but left on trees; 1934, 2,208,000; pears, 1933, 1,667,000 bushels; 1934, 375,000; grapes, 1933, 3,000 tons; 1934, 24,000.

Source of tables 638 and 639: Bureau of Agricultural Economics, Department of Agriculture.

## No. 640.—APPLES, PEACHES, AND PEARS: UNITED STATES PRODUCTION

[In thousands of bushels. The approximate weight of a bushel of apples is 45 pounds; peaches, 48; pears, 50]

| Yearly average or year | Apples  | Peaches | Pears  | Year                    | Apples  | Peaches | Pears   |
|------------------------|---------|---------|--------|-------------------------|---------|---------|---------|
| 1891-1895.....         | 157,693 | ---     | ---    | 1926.....               | 127,043 | 164,799 | 24,564  |
| 1896-1900.....         | 179,143 | ---     | ---    | 1927.....               | 115,625 | 141,601 | 17,991  |
| 1901-1905.....         | 182,672 | 38,166  | ---    | 1928.....               | 176,721 | 164,501 | 129,518 |
| 1906-1910.....         | 184,464 | 39,684  | ---    | 1929.....               | 183,318 | 44,434  | 21,138  |
| 1911-1915.....         | 215,572 | 49,027  | 11,341 | 1930.....               | 153,372 | 154,186 | 125,665 |
| 1916-1920.....         | 175,676 | 43,132  | 14,115 | 1931.....               | 202,477 | 176,689 | 123,857 |
| 1921-1925.....         | 155,605 | 46,110  | 17,353 | 1932.....               | 140,775 | 142,443 | 122,050 |
| 1926-1930.....         | 161,216 | 53,904  | 22,575 | 1933.....               | 142,961 | 144,692 | 121,102 |
| 1931-1935.....         | 154,837 | 52,459  | 22,425 | 1934.....               | 120,670 | 146,665 | 129,490 |
| 1925.....              | 151,752 | 44,335  | 19,938 | 1935 (preliminary)..... | 167,283 | 62,808  | 22,035  |

1 Includes some quantities not harvested on account of market conditions. Prices and values are computed on the harvested crop.

## No. 641.—APPLES, PEACHES, PEARS, AND GRAPES: FARM PRICES

NOTE.—Prices of apples, peaches, and pears in dollars per bushel, prices of grapes in dollars per ton. Prices are weighted average prices received by farmers for the crop-marketing season for 1932, 1933, and 1934; prices for 1935 are preliminary estimates for the crop-marketing season

| State               | Apples |      |      |      | Peaches |      |      |      | Pears |      |      |      | Grapes |      |      |      |
|---------------------|--------|------|------|------|---------|------|------|------|-------|------|------|------|--------|------|------|------|
|                     | 1932   | 1933 | 1934 | 1935 | 1932    | 1933 | 1934 | 1935 | 1932  | 1933 | 1934 | 1935 | 1932   | 1933 | 1934 | 1935 |
| United States.....  | 0.60   | 0.78 | 0.83 | 0.72 | 0.53    | 0.76 | 0.81 | 0.84 | 0.39  | 0.55 | 0.70 | 0.83 | 13     | 18   | 19   | 15   |
| Maine.....          | .80    | .69  | 1.12 | 1.00 | ---     | ---  | ---  | ---  | 1.00  | 1.05 | 1.50 | 1.25 | 80     | 80   | 95   | 80   |
| New Hampshire.....  | .75    | .73  | 1.44 | 1.10 | 1.50    | ---  | ---  | 2.25 | .95   | .95  | 1.25 | 1.10 | 80     | 80   | 95   | 80   |
| Vermont.....        | .82    | .99  | 1.57 | 1.15 | ---     | ---  | ---  | ---  | 1.05  | 1.15 | 1.20 | 1.00 | 80     | 80   | 85   | 80   |
| Massachusetts.....  | .69    | .76  | 1.26 | 1.00 | 1.15    | 1.40 | 1.75 | 1.80 | .85   | .85  | 1.10 | .90  | 65     | 60   | 80   | 75   |
| Rhode Island.....   | .72    | .89  | 1.51 | 1.05 | 1.15    | 1.45 | 1.75 | 1.75 | 1.00  | 1.00 | 1.15 | 1.00 | 65     | 70   | 80   | 80   |
| Connecticut.....    | .84    | .98  | 1.51 | 1.05 | .80     | 1.30 | 2.00 | 1.50 | .85   | 1.00 | 1.25 | 1.15 | 50     | 55   | 80   | 80   |
| New York.....       | .59    | .93  | 1.10 | .76  | .60     | 1.10 | 2.15 | 1.00 | .46   | .36  | .85  | .90  | 19     | 24   | 30   | 25   |
| New Jersey.....     | .89    | .94  | 1.19 | .89  | .70     | 1.10 | 2.35 | 1.30 | .60   | .65  | .65  | .65  | 35     | 38   | 40   | 35   |
| Pennsylvania.....   | .62    | .92  | .92  | .73  | .80     | 1.20 | 1.85 | 1.15 | .66   | .75  | .75  | .80  | 16     | 25   | 27   | 23   |
| Ohio.....           | .64    | .92  | 1.05 | .76  | .90     | 1.45 | 1.80 | .95  | .60   | .76  | .60  | .60  | 13     | 29   | 35   | 25   |
| Indiana.....        | .76    | 1.02 | 1.06 | .84  | 1.00    | 1.35 | 1.45 | .95  | .60   | .65  | .65  | .60  | 19     | 26   | 30   | .30  |
| Illinois.....       | .80    | .99  | 1.14 | .76  | 1.20    | 1.20 | 1.40 | .95  | .75   | .70  | .55  | .50  | 22     | 26   | 30   | 30   |
| Michigan.....       | .65    | .70  | .84  | .66  | .70     | 1.75 | 1.75 | .85  | .45   | .80  | .65  | .70  | 16     | 20   | 25   | 20   |
| Wisconsin.....      | .64    | .79  | 1.03 | .69  | ---     | ---  | ---  | ---  | ---   | ---  | ---  | ---  | 65     | 70   | 75   | 70   |
| Minnesota.....      | .79    | .71  | 1.32 | .74  | ---     | ---  | ---  | ---  | ---   | ---  | ---  | ---  | 65     | 70   | 75   | 50   |
| Iowa.....           | .72    | 1.03 | 1.25 | .78  | .90     | 1.55 | 1.10 | 1.00 | .75   | .95  | .90  | .70  | 30     | 35   | 40   | 35   |
| Missouri.....       | .93    | .78  | 1.08 | .73  | 1.20    | 1.15 | 1.00 | .85  | .85   | .75  | .70  | .50  | 30     | 35   | 40   | 35   |
| South Dakota.....   | .83    | 1.32 | 1.80 | 1.15 | ---     | ---  | ---  | ---  | ---   | ---  | ---  | ---  | ---    | ---  | ---  | ---  |
| Nebraska.....       | .93    | 1.02 | 1.27 | 1.00 | .85     | 1.70 | 1.25 | 1.05 | .95   | 1.40 | 1.10 | .90  | 40     | 60   | 65   | 50   |
| Kansas.....         | .97    | .88  | 1.21 | .95  | 1.20    | 1.65 | 1.10 | 1.20 | .95   | .95  | .90  | .70  | 40     | 45   | 50   | 45   |
| Delaware.....       | .69    | .81  | .97  | .69  | .60     | 1.25 | 1.25 | 1.20 | .35   | .85  | .60  | .60  | 35     | 45   | 50   | 40   |
| Maryland.....       | .59    | .75  | .90  | .60  | .85     | 1.00 | 1.70 | 1.20 | .55   | .60  | .60  | .60  | 50     | 55   | 50   | 45   |
| Virginia.....       | .63    | .71  | .87  | .60  | 1.00    | 1.10 | 1.40 | 1.20 | .75   | .60  | .75  | .60  | 60     | 75   | 70   | 70   |
| West Virginia.....  | .62    | .69  | .94  | .73  | 1.15    | 1.15 | 1.70 | .95  | .90   | .90  | .95  | .85  | 60     | 80   | 85   | 70   |
| North Carolina..... | .72    | .65  | .86  | .77  | .95     | .85  | 1.00 | .95  | .85   | .75  | .85  | .90  | 45     | 45   | 65   | 65   |
| South Carolina..... | .97    | 1.14 | 1.14 | 1.05 | .95     | .85  | .80  | .85  | .80   | .80  | .80  | .85  | 60     | 65   | 70   | 70   |
| Georgia.....        | .82    | .84  | .95  | 1.05 | .95     | .75  | .80  | .85  | .85   | .80  | .60  | .80  | 90     | 90   | 95   | 85   |
| Florida.....        | ---    | ---  | ---  | ---  | .95     | .90  | .75  | .95  | .60   | .85  | .60  | .65  | 70     | 80   | 75   | 80   |
| Kentucky.....       | .81    | .87  | .97  | .88  | 1.15    | 1.05 | 1.00 | .90  | .90   | .80  | .65  | .80  | 40     | 45   | 50   | 65   |
| Tennessee.....      | .87    | .82  | .78  | 1.03 | 1.00    | .95  | .80  | .85  | .85   | .95  | .60  | .90  | 50     | 55   | 60   | 75   |
| Alabama.....        | .92    | .94  | 1.03 | 1.15 | .85     | .80  | .75  | .85  | .65   | .85  | .60  | .75  | 65     | 65   | 60   | 60   |
| Mississippi.....    | 1.03   | 1.22 | 1.37 | 1.20 | .95     | 1.00 | .75  | .95  | .50   | .85  | .50  | .80  | 75     | 75   | 80   | 70   |
| Arkansas.....       | .63    | .71  | .84  | .77  | 1.05    | 1.10 | .75  | .90  | .75   | .95  | .70  | .75  | 26     | 26   | 25   | 30   |
| Louisiana.....      | 1.05   | 1.22 | 1.28 | 1.20 | 1.05    | 1.10 | .75  | 1.05 | .70   | 1.00 | .65  | .75  | 75     | 75   | 70   | 70   |
| Oklahoma.....       | .66    | .76  | 1.07 | .88  | .90     | 1.20 | .85  | 1.05 | 1.00  | 1.00 | .85  | .70  | 37     | 40   | 45   | 45   |
| Texas.....          | .92    | 1.10 | 1.31 | 1.25 | .90     | 1.30 | 1.10 | .90  | .80   | 1.05 | .90  | .75  | 55     | 55   | 60   | 50   |
| Montana.....        | .94    | .70  | .85  | .83  | ---     | ---  | ---  | ---  | ---   | ---  | ---  | ---  | ---    | ---  | ---  | ---  |
| Idaho.....          | .46    | .65  | .82  | .67  | .45     | 1.45 | 1.15 | .85  | .60   | 1.00 | 1.10 | 1.00 | 45     | 55   | 47   | 40   |
| Wyoming.....        | .83    | .92  | 1.61 | 1.25 | ---     | ---  | ---  | ---  | ---   | ---  | ---  | ---  | ---    | ---  | ---  | ---  |
| Colorado.....       | .42    | .58  | .84  | .71  | .42     | 1.30 | 1.00 | .80  | .40   | .65  | .60  | .50  | 45     | 55   | 44   | 43   |
| New Mexico.....     | .70    | 1.22 | .98  | 1.25 | 1.30    | 1.75 | 1.20 | 1.20 | .95   | 1.35 | .95  | 1.00 | 50     | 60   | 44   | 41   |
| Arizona.....        | 1.41   | 1.76 | 1.81 | 1.55 | 1.50    | 1.75 | 1.50 | 1.30 | .90   | 1.45 | 1.40 | 1.30 | 35     | 40   | 40   | 40   |
| Utah.....           | .49    | .90  | .95  | .93  | .34     | 1.40 | .85  | .75  | .75   | 1.30 | .90  | 1.25 | 40     | 50   | 48   | 44   |
| Nevada.....         | .88    | 1.20 | 1.30 | 1.20 | .75     | 1.75 | 1.40 | 1.20 | .85   | 1.60 | 1.25 | 1.25 | 85     | 85   | 80   | 80   |
| Washington.....     | .63    | .75  | .75  | .70  | .35     | 1.25 | .75  | 1.05 | .80   | .40  | .60  | .50  | 13     | 17   | 21   | 20   |
| Oregon.....         | .46    | .64  | .72  | .72  | .60     | 1.15 | 1.05 | 1.15 | .40   | .45  | .60  | .55  | 15     | 20   | 26   | 25   |
| California.....     | .92    | .50  | .49  | .37  | .25     | .48  | .62  | .64  | .80   | .61  | .77  | .69  | 12     | 16   | 17   | 13   |

Source of tables 640 and 641: Bureau of Agricultural Economics, Department of Agriculture.

## No. 642.—SUGAR BEETS AND BEET SUGAR: PRODUCTION

NOTE.—Prior to 1924 acreage and production of beets include a small quantity produced in Canada for United States factories. The year shown is that in which beets were grown; sugar-making campaign extends into succeeding year. "Percent of sucrose in beets" is based on analysis; "Per cent extracted" is per cent of total weight of beets actually recovered by factories. United States totals include data for States not shown. Tons are of 2,000 pounds

| Yearly average or year and State | Beets produced for sugar |                   |               |                         |                            | Sugar manufacture   |                         |                         |                     |            |
|----------------------------------|--------------------------|-------------------|---------------|-------------------------|----------------------------|---------------------|-------------------------|-------------------------|---------------------|------------|
|                                  | Acres harvested          | Crop (1,000 tons) | Tons per acre | Price per ton (dollars) | Farm value (1,000 dollars) | Number of factories | Beets used (1,000 tons) | Sugar made (1,000 tons) | Percent of sucrose— |            |
|                                  |                          |                   |               |                         |                            |                     |                         |                         | In beets            | Ex-tracted |
| <b>United States:</b>            |                          |                   |               |                         |                            |                     |                         |                         |                     |            |
| 1901-1905.....                   | 227,841                  | 2,079             | 9.22          | 4.89                    | 10,166                     | 45                  | 2,079                   | 240                     | 15.03               | 11.50      |
| 1906-1910.....                   | 386,082                  | 3,910             | 10.13         | 5.18                    | 20,254                     | 63                  | 3,910                   | 479                     | 15.78               | 12.27      |
| 1911-1915.....                   | 541,000                  | 5,738             | 10.66         | 5.03                    | 32,318                     | 87                  | 5,477                   | 724                     | 18.17               | 13.18      |
| 1916-1920.....                   | 608,000                  | 6,623             | 9.50          | 9.38                    | 63,314                     | 68                  | 6,200                   | 832                     | 15.85               | 13.41      |
| 1921-1925.....                   | 693,000                  | 6,972             | 10.14         | 7.52                    | 62,040                     | 88                  | 6,608                   | 916                     | 15.74               | 13.86      |
| 1926-1930.....                   | 701,000                  | 7,718             | 11.00         | 7.32                    | 66,480                     | 80                  | 7,402                   | 1,055                   | 15.71               | 14.23      |
| 1924.....                        | 816,000                  | 7,508             | 9.2           | 7.95                    | 59,689                     | 90                  | 7,075                   | 1,090                   | 17.19               | 15.41      |
| 1925.....                        | 648,000                  | 7,381             | 11.4          | 8.39                    | 47,137                     | 88                  | 6,993                   | 913                     | 14.80               | 13.00      |
| 1926.....                        | 877,000                  | 7,223             | 10.7          | 7.81                    | 54,964                     | 78                  | 6,782                   | 897                     | 14.04               | 13.23      |
| 1927.....                        | 721,000                  | 7,763             | 10.8          | 7.07                    | 59,455                     | 83                  | 7,443                   | 1,093                   | 16.11               | 14.68      |
| 1928.....                        | 644,000                  | 7,101             | 11.0          | 7.11                    | 50,477                     | 82                  | 6,880                   | 1,061                   | 13.73               | 15.42      |
| 1929.....                        | 688,000                  | 7,315             | 10.6          | 7.06                    | 51,805                     | 79                  | 7,117                   | 1,018                   | 15.64               | 14.22      |
| 1930.....                        | 770,000                  | 9,199             | 11.9          | 7.14                    | 65,697                     | 78                  | 8,789                   | 1,208                   | 15.22               | 13.70      |
| 1931.....                        | 713,000                  | 9,908             | 11.1          | 5.94                    | 46,948                     | 60                  | 7,059                   | 1,150                   | 16.18               | 14.70      |
| 1932.....                        | 764,000                  | 9,070             | 11.9          | 5.26                    | 47,705                     | 75                  | 8,856                   | 1,357                   | 18.41               | 15.23      |
| 1933.....                        | 983,000                  | 11,080            | 11.2          | 5.13                    | 56,509                     | 84                  | 10,778                  | 1,042                   | 16.01               | 15.23      |
| 1934.....                        | 770,000                  | 7,519             | 9.8           | 5.16                    | 38,776                     | 76                  | 7,391                   | 1,160                   | 16.98               | 15.66      |
| 1935.....                        | 763,000                  | 7,908             | 10.4          | 5.79                    | 46,816                     | 76                  | 7,391                   | 1,186                   | 16.48               | 15.66      |
| <b>California:</b>               |                          |                   |               |                         |                            |                     |                         |                         |                     |            |
| 1932.....                        | 104,000                  | 1,288             | 12.4          | 6.02                    | 8,528                      | 6                   | 1,282                   | 213                     | 17.86               | 16.61      |
| 1933.....                        | 108,000                  | 1,618             | 15.0          | 5.07                    | 9,174                      | 6                   | 1,629                   | 270                     | 18.02               | 16.60      |
| 1934.....                        | 110,000                  | 1,617             | 14.7          | 5.22                    | 8,441                      | 8                   | 1,624                   | 271                     | 18.34               | 16.68      |
| 1935.....                        | 116,000                  | 1,443             | 12.4          | 5.95                    | 8,680                      |                     |                         | 239                     |                     |            |
| <b>Colorado:</b>                 |                          |                   |               |                         |                            |                     |                         |                         |                     |            |
| 1932.....                        | 156,000                  | 1,777             | 11.4          | 4.62                    | 8,209                      | 17                  | 1,781                   | 277                     | 15.38               | 15.56      |
| 1933.....                        | 200,000                  | 2,623             | 12.6          | 4.62                    | 12,141                     | 18                  | 2,603                   | 399                     | 15.74               | 15.32      |
| 1934.....                        | 190,000                  | 1,596             | 9.3           | 5.04                    | 7,803                      | 17                  | 1,531                   | 272                     | 17.15               | 17.74      |
| 1935.....                        | 140,000                  | 1,826             | 13.0          | 5.80                    | 10,591                     |                     |                         | 298                     |                     |            |
| <b>Idaho:</b>                    |                          |                   |               |                         |                            |                     |                         |                         |                     |            |
| 1932.....                        | 53,000                   | 700               | 13.4          | 5.10                    | 3,618                      | 7                   | 661                     | 108                     | 17.55               | 16.34      |
| 1933.....                        | 75,000                   | 837               | 11.2          | 5.18                    | 4,310                      | 7                   | 777                     | 131                     | 18.02               | 16.83      |
| 1934.....                        | 34,000                   | 294               | 8.6           | 4.60                    | 1,379                      | 5                   | 283                     | 49                      | 17.21               | 16.10      |
| 1935.....                        | 51,000                   | 562               | 11.0          | 5.11                    | 2,872                      |                     |                         | 72                      |                     |            |
| <b>Michigan:</b>                 |                          |                   |               |                         |                            |                     |                         |                         |                     |            |
| 1932.....                        | 122,000                  | 1,215             | 10.0          | 5.73                    | 6,959                      | 11                  | 1,216                   | 171                     | 16.28               | 13.98      |
| 1933.....                        | 154,000                  | 1,203             | 7.8           | 5.31                    | 9,989                      | 15                  | 1,255                   | 170                     | 16.10               | 13.50      |
| 1934.....                        | 117,000                  | 999               | 8.6           | 5.92                    | 5,014                      | 13                  | 1,096                   | 147                     | 15.96               | 13.46      |
| 1935.....                        | 114,000                  | 686               | 6.0           | 6.49                    | 4,452                      |                     |                         | 100                     |                     |            |
| <b>Montana:</b>                  |                          |                   |               |                         |                            |                     |                         |                         |                     |            |
| 1932.....                        | 54,000                   | 739               | 13.7          | 5.39                    | 3,983                      | 4                   | 701                     | 108                     | 17.12               | 15.41      |
| 1933.....                        | 68,000                   | 833               | 12.3          | 5.46                    | 4,575                      | 4                   | 736                     | 124                     | 17.43               | 15.72      |
| 1934.....                        | 64,000                   | 786               | 12.3          | 5.21                    | 4,095                      | 4                   | 633                     | 99                      | 17.66               | 15.71      |
| 1935.....                        | 51,000                   | 570               | 11.1          | 6.42                    | 3,659                      |                     |                         | 84                      |                     |            |
| <b>Nebraska:</b>                 |                          |                   |               |                         |                            |                     |                         |                         |                     |            |
| 1932.....                        | 66,000                   | 877               | 13.3          | 4.58                    | 4,021                      | 7                   | 815                     | 113                     | 15.21               | 13.87      |
| 1933.....                        | 88,000                   | 1,067             | 12.1          | 4.50                    | 4,802                      | 7                   | 959                     | 130                     | 15.11               | 13.54      |
| 1934.....                        | 60,000                   | 549               | 9.2           | 4.90                    | 2,625                      | 7                   | 508                     | 72                      | 15.70               | 14.17      |
| 1935.....                        | 51,000                   | 626               | 12.3          | 5.86                    | 3,662                      |                     |                         | 95                      |                     |            |
| <b>Ohio:</b>                     |                          |                   |               |                         |                            |                     |                         |                         |                     |            |
| 1932.....                        | 26,000                   | 259               | 10.0          | 5.34                    | 1,384                      | 3                   | 251                     | 42                      | 15.54               | 13.94      |
| 1933.....                        | 42,000                   | 323               | 7.8           | 5.71                    | 1,873                      | 4                   | 283                     | 38                      | 15.80               | 13.55      |
| 1934.....                        | 39,000                   | 312               | 8.0           | 5.52                    | 1,722                      | 4                   | 267                     | 37                      | 15.41               | 13.05      |
| 1935.....                        | 50,000                   | 349               | 7.0           | 5.12                    | 1,787                      |                     |                         | 33                      |                     |            |
| <b>Utah:</b>                     |                          |                   |               |                         |                            |                     |                         |                         |                     |            |
| 1932.....                        | 56,000                   | 846               | 15.1          | 4.77                    | 4,032                      | 7                   | 822                     | 128                     | 16.42               | 16.57      |
| 1933.....                        | 74,000                   | 912               | 12.3          | 4.80                    | 4,378                      | 9                   | 913                     | 143                     | 16.88               | 15.65      |
| 1934.....                        | 32,000                   | 250               | 7.8           | 4.40                    | 1,100                      | 4                   | 250                     | 39                      | 16.00               | 15.58      |
| 1935.....                        | 41,000                   | 505               | 12.3          | 5.07                    | 2,566                      |                     |                         | 76                      |                     |            |
| <b>Wyoming:</b>                  |                          |                   |               |                         |                            |                     |                         |                         |                     |            |
| 1932.....                        | 40,900                   | 506               | 12.6          | 4.97                    | 2,515                      | 5                   | 537                     | 85                      | 16.76               | 15.83      |
| 1933.....                        | 52,000                   | 593               | 11.4          | 5.26                    | 3,119                      | 5                   | 634                     | 104                     | 17.50               | 16.39      |
| 1934.....                        | 42,000                   | 434               | 10.3          | 4.99                    | 2,166                      | 5                   | 553                     | 87                      | 17.01               | 15.75      |
| 1935.....                        | 40,000                   | 525               | 13.3          | 6.24                    | 3,276                      |                     |                         | 93                      |                     |            |

<sup>1</sup> Beets used 1901 to 1912.<sup>2</sup> Four-year average.

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 643.—LOUISIANA SUGARCANE, CANE SUGAR, AND MOLASSES

NOTE.—Louisiana produces practically all the cane sugar produced in the United States. In other States cane is largely used for making sirup (see table 643). Tons are of 2,000 pounds

| Yearly average or year | Total acres of cane harvested | Cane used for sugar |                   |                       | Factories in operation | Sugar made          |                          | Molasses made          |                            |
|------------------------|-------------------------------|---------------------|-------------------|-----------------------|------------------------|---------------------|--------------------------|------------------------|----------------------------|
|                        |                               | Acres harvested     | Crop (1,000 tons) | Yield per acre (tons) |                        | Amount (1,000 tons) | Per ton of cane (pounds) | Amount (1,000 gallons) | Per ton of sugar (gallons) |
| 1911-1915.....         |                               | 230,000             | 3,496             | 15.2                  | 150                    | 236                 | 135                      | 20,666                 | 88                         |
| 1916-1920.....         |                               | 212,000             | 3,286             | 15.5                  | 133                    | 224                 | 136                      | 22,956                 | 103                        |
| 1921-1925.....         | 299,000                       | 207,000             | 2,844             | 13.7                  | 103                    | 202                 | 142                      | 18,247                 | 90                         |
| 1926-1930.....         | 182,000                       | 138,000             | 1,833             | 13.3                  | 56                     | 127                 | 139                      | 12,656                 | 100                        |
| 1931-1935.....         | 255,000                       | 207,000             | 2,965             | 14.3                  | 61                     | 230                 | 155                      | 18,296                 | 80                         |
| 1923.....              | 197,000                       | 128,000             | 864               | 6.8                   | 54                     | 47                  | 109                      | 6,614                  | 141                        |
| 1927.....              | 105,000                       | 73,000              | 962               | 13.2                  | 46                     | 71                  | 148                      | 6,624                  | 93                         |
| 1928.....              | 171,000                       | 130,000             | 1,860             | 14.3                  | 55                     | 132                 | 142                      | 13,535                 | 108                        |
| 1929.....              | 220,000                       | 185,000             | 2,918             | 15.8                  | 65                     | 200                 | 137                      | 19,619                 | 98                         |
| 1930.....              | 219,000                       | 175,000             | 2,559             | 14.6                  | 61                     | 184                 | 144                      | 16,887                 | 92                         |
| 1931.....              | 209,000                       | 169,000             | 2,232             | 13.2                  | 59                     | 157                 | 141                      | 14,645                 | 93                         |
| 1932.....              | 251,000                       | 208,000             | 2,886             | 13.9                  | 62                     | 223                 | 155                      | 16,445                 | 74                         |
| 1933.....              | 245,000                       | 197,000             | 2,600             | 13.2                  | 59                     | 205                 | 157                      | 16,498                 | 80                         |
| 1934.....              | 280,000                       | 222,000             | 3,019             | 13.6                  | 61                     | 234                 | 155                      | 18,277                 | 78                         |
| 1935.....              | 290,000                       | 239,000             | 4,087             | 17.1                  | 63                     | 333                 | 163                      | 25,614                 | 77                         |

## SUGAR MADE (1,000 TONS)

|           |     |           |     |           |     |           |     |
|-----------|-----|-----------|-----|-----------|-----|-----------|-----|
| 1906..... | 258 | 1911..... | 353 | 1916..... | 304 | 1921..... | 824 |
| 1907..... | 331 | 1912..... | 154 | 1917..... | 244 | 1922..... | 295 |
| 1908..... | 398 | 1913..... | 293 | 1918..... | 281 | 1923..... | 162 |
| 1909..... | 364 | 1914..... | 243 | 1919..... | 121 | 1924..... | 88  |
| 1910..... | 343 | 1915..... | 138 | 1920..... | 160 | 1925..... | 139 |

## No. 644.—HAWAIIAN SUGARCANE AND CANE SUGAR

NOTE.—Tons are of 2,000 pounds

| Yearly average or year     | Total acres in cane | Cane used for sugar |                   |                                    | Sugar made          |                      |
|----------------------------|---------------------|---------------------|-------------------|------------------------------------|---------------------|----------------------|
|                            |                     | Acres harvested     | Crop (1,000 tons) | Yield per acre (tons) <sup>1</sup> | Amount (1,000 tons) | Percent of cane used |
| Year ended Sept. 30:       |                     |                     |                   |                                    |                     |                      |
| 1913-1915.....             |                     | 113,500             | 4,864             | 43                                 | 602                 | 12.39                |
| 1916-1920.....             | 251,206             | 118,584             | 4,830             | 41                                 | 594                 | 12.30                |
| 1921-1925.....             | 234,700             | 116,820             | 5,253             | 45                                 | 622                 | 11.84                |
| 1926-1930.....             | 289,194             | 128,271             | 7,299             | 57                                 | 861                 | 11.80                |
| 1926.....                  | 237,774             | 122,309             | 6,496             | 53                                 | 787                 | 12.12                |
| 1927.....                  | 234,809             | 124,542             | 6,992             | 56                                 | 811                 | 11.60                |
| 1928.....                  | 240,769             | 131,534             | 7,707             | 59                                 | 897                 | 11.64                |
| 1929.....                  | 239,858             | 129,131             | 7,447             | 58                                 | 899                 | 12.07                |
| 1930.....                  | 242,761             | 133,840             | 7,853             | 59                                 | 912                 | 11.62                |
| 1931.....                  | 251,693             | 137,037             | 8,485             | 62                                 | 989                 | 11.65                |
| 1932.....                  | 251,876             | 139,744             | 8,865             | 63                                 | 1,025               | 11.56                |
| 1933.....                  | 254,563             | 144,959             | 8,567             | 59                                 | 1,036               | 12.09                |
| Oct. 1, 1933-Dec. 31, 1933 |                     |                     |                   |                                    | 124                 |                      |
| Year ended Dec. 31:        |                     |                     |                   |                                    |                     |                      |
| 1934 <sup>2</sup> .....    | 252,237             | 134,318             | 7,992             | 60                                 | 935                 | 11.70                |
| 1935 <sup>2</sup> .....    | 246,491             | 126,116             | 8,555             | 68                                 | 962                 | 11.24                |

## SUGAR MADE (1,000 TONS)

|           |     |           |     |           |     |           |     |
|-----------|-----|-----------|-----|-----------|-----|-----------|-----|
| 1906..... | 429 | 1911..... | 567 | 1916..... | 593 | 1921..... | 522 |
| 1907..... | 440 | 1912..... | 595 | 1917..... | 645 | 1922..... | 592 |
| 1908..... | 621 | 1913..... | 547 | 1918..... | 577 | 1923..... | 537 |
| 1909..... | 535 | 1914..... | 612 | 1919..... | 600 | 1924..... | 391 |
| 1910..... | 517 | 1915..... | 646 | 1920..... | 556 | 1925..... | 769 |

<sup>1</sup> Age of cane equals 18 to 22 months of growth.

<sup>2</sup> Data for 1934 and 1935 reflect the limitations on production under the Agricultural Adjustment Act.

Sources: Table 643 and Table 644 prior to 1926, Bureau of Agricultural Economics, Department of Agriculture; table 644, beginning 1926, Hawaiian Sugar Planters Association.



## No. 645.—MAPLE SUGAR AND SIRUP: PRODUCTION BY STATES

| State and year                   | Trees tapped     | Sugar made          | Sirup made           | Total product in terms of sugar <sup>1</sup> | State and year                        | Trees tapped     | Sugar made          | Sirup made           | Total product in terms of sugar <sup>1</sup> |
|----------------------------------|------------------|---------------------|----------------------|----------------------------------------------|---------------------------------------|------------------|---------------------|----------------------|----------------------------------------------|
| <b>CENSUS RETURNS</b>            | <i>Thousands</i> | <i>1,000 pounds</i> | <i>1,000 gallons</i> | <i>1,000 pounds</i>                          | <b>DEPARTMENT OF AGRICULTURE—CON.</b> | <i>Thousands</i> | <i>1,000 pounds</i> | <i>1,000 gallons</i> | <i>1,000 pounds</i>                          |
| United States:                   |                  |                     |                      |                                              | New Hampshire:                        |                  |                     |                      |                                              |
| 1859                             | 40,120           | 1,598               | 52,901               |                                              | 1933                                  | 388              | 46                  | 50                   | 446                                          |
| 1869                             | 28,444           | 921                 | 35,812               |                                              | 1934                                  | 380              | 59                  | 71                   | 527                                          |
| 1879                             | 36,576           | 1,796               | 50,944               |                                              | 1935                                  | 391              | 91                  | 101                  | 599                                          |
| 1889                             | 32,953           | 2,258               | 51,020               |                                              | Vermont:                              |                  |                     |                      |                                              |
| 1899                             | 11,929           | 2,057               | 25,382               |                                              | 1933                                  | 5,290            | 554                 | 625                  | 5,554                                        |
| 1909                             | 18,900           | 4,106               | 46,912               |                                              | 1934                                  | 5,449            | 678                 | 971                  | 5,440                                        |
| 1919                             | 17,457           | 9,992               | 37,754               |                                              | 1935                                  | 5,612            | 900                 | 1,501                | 12,908                                       |
| 1929                             | ( <sup>2</sup> ) | 1,341               | 2,341                | 20,070                                       | Massachusetts:                        |                  |                     |                      |                                              |
| <b>DEPARTMENT OF AGRICULTURE</b> |                  |                     |                      |                                              | 1933                                  | 236              | 66                  | 36                   | 354                                          |
| Total (10 States):               |                  |                     |                      |                                              | 1934                                  | 236              | 105                 | 65                   | 325                                          |
| 1925                             | 14,070           | 3,238               | 2,817                | 25,774                                       | 1935                                  | 236              | 108                 | 75                   | 708                                          |
| 1926                             | 13,948           | 3,585               | 3,604                | 31,617                                       | New York:                             |                  |                     |                      |                                              |
| 1927                             | 13,751           | 3,183               | 3,429                | 30,616                                       | 1933                                  | 3,184            | 388                 | 597                  | 5,164                                        |
| 1928                             | 13,489           | 2,189               | 2,782                | 24,445                                       | 1934                                  | 3,210            | 284                 | 668                  | 5,628                                        |
| 1929                             | 12,858           | 1,362               | 2,301                | 20,250                                       | 1935                                  | 3,345            | 465                 | 987                  | 5,361                                        |
| 1930                             | 13,062           | 2,370               | 3,841                | 31,498                                       | Pennsylvania:                         |                  |                     |                      |                                              |
| 1931                             | 12,138           | 1,646               | 2,213                | 19,350                                       | 1933                                  | 664              | 108                 | 209                  | 1,780                                        |
| 1932                             | 12,091           | 1,623               | 2,412                | 20,919                                       | 1934                                  | 657              | 83                  | 199                  | 1,075                                        |
| 1933                             | 12,076           | 1,288               | 2,189                | 18,779                                       | 1935                                  | 664              | 66                  | 166                  | 1,894                                        |
| 1934                             | 12,158           | 1,271               | 2,395                | 20,431                                       | Ohio:                                 |                  |                     |                      |                                              |
| 1935                             | 12,496           | 1,704               | 3,377                | 28,720                                       | 1933                                  | 1,216            | 32                  | 413                  | 3,336                                        |
| Maine:                           |                  |                     |                      |                                              | 1934                                  | 1,216            | 5                   | 273                  | 2,189                                        |
| 1933                             | 255              | <sup>3</sup> 10     | 29                   | 242                                          | 1935                                  | 1,216            | 15                  | 304                  | 2,447                                        |
| 1934                             | 260              | <sup>3</sup> 15     | 29                   | 247                                          | Michigan:                             |                  |                     |                      |                                              |
| 1935                             | 263              | <sup>3</sup> 18     | 47                   | 394                                          | 1933                                  | 490              | 35                  | 140                  | 1,165                                        |
| Maryland:                        |                  |                     |                      |                                              | 1934                                  | 436              | 13                  | 72                   | 589                                          |
| 1933                             | 58               | 25                  | 25                   | 225                                          | 1935                                  | 423              | 20                  | 98                   | 804                                          |
| 1934                             | 57               | 18                  | 17                   | 154                                          | Wisconsin:                            |                  |                     |                      |                                              |
| 1935                             | 57               | 15                  | 16                   | 143                                          | 1933                                  | 295              | 24                  | 62                   | 520                                          |
|                                  |                  |                     |                      |                                              | 1934                                  | 251              | 11                  | 30                   | 251                                          |
|                                  |                  |                     |                      |                                              | 1935                                  | 289              | 6                   | 82                   | 662                                          |

<sup>1</sup> 1 gallon of sirup taken as equivalent to 8 pounds of sugar.<sup>2</sup> Not called for on schedule.<sup>3</sup> Not including approximately 200,000 pounds of sugar produced in Somerset County, not on farms.

## No. 646.—SUGARCANE AND SIRUP IN SOUTHERN STATES

NOTE.—Sorghum, sometimes confused with sugarcane, is not included. For molasses, a byproduct of sugar refineries and not included in this table, see table 643

| State and year     | Cane harvested for sirup | Sirup produced       | State and year    | Cane harvested for sirup | Sirup produced       |
|--------------------|--------------------------|----------------------|-------------------|--------------------------|----------------------|
| <b>All States:</b> | <i>Acres</i>             | <i>1,000 gallons</i> | <b>Alabama:</b>   | <i>Acres</i>             | <i>1,000 gallons</i> |
| 1927               | 102,000                  | 17,022               | 1933              | 29,000                   | 3,100                |
| 1928               | 105,000                  | 18,339               | 1934              | 27,000                   | 3,604                |
| 1929               | 109,000                  | 19,711               | 1935 <sup>1</sup> | 30,000                   | 3,750                |
| 1930               | 111,000                  | 17,432               | Mississippi:      |                          |                      |
| 1931               | 108,000                  | 15,160               | 1933              | 26,000                   | 4,550                |
| 1932               | 123,000                  | 18,359               | 1934              | 34,000                   | 6,358                |
| 1933               | 146,000                  | 21,993               | 1935 <sup>1</sup> | 35,000                   | 5,320                |
| 1934               | 157,000                  | 25,609               | Louisiana:        |                          |                      |
| 1935 <sup>1</sup>  | 158,000                  | 26,226               | 1933              | 24,000                   | 5,458                |
| South Carolina:    |                          |                      | 1934              | 30,000                   | 7,001                |
| 1933               | 6,000                    | 570                  | 1935 <sup>1</sup> | 27,000                   | 6,910                |
| 1934               | 5,000                    | 475                  | Texas:            |                          |                      |
| 1935 <sup>1</sup>  | 5,000                    | 550                  | 1933              | 10,000                   | 1,350                |
| Georgia:           |                          |                      | 1934              | 10,000                   | 1,050                |
| 1933               | 38,000                   | 4,940                | 1935 <sup>1</sup> | 8,000                    | 1,040                |
| 1934               | 37,000                   | 4,958                | Arkansas:         |                          |                      |
| 1935 <sup>1</sup>  | 38,000                   | 5,890                | 1933              | 1,000                    | 135                  |
| Florida:           |                          |                      | 1934              | 1,000                    | 58                   |
| 1933               | 12,000                   | 1,800                | 1935 <sup>1</sup> | 1,000                    | 100                  |
| 1934               | 13,000                   | 2,145                |                   |                          |                      |
| 1935 <sup>1</sup>  | 14,000                   | 2,660                |                   |                          |                      |

<sup>1</sup> Preliminary.

Source of tables 645 and 646: Bureau of Agricultural Economics, Department of Agriculture, except Census Returns, table 646, which are from the Bureau of the Census, Department of Commerce.

# No. 647.—SUGAR PRODUCTION: CONTINENTAL UNITED STATES AND CERTAIN OUTLYING AREAS, AND WORLD TOTAL

[In thousands of tons of 2,000 pounds. Data represent predominantly raw sugar except as noted]

| Yearly average, or year beginning July 1— | Continental United States and outlying areas <sup>1</sup> | Continental United States            |                        |                    | Puerto Rico <sup>3</sup> | Hawaii <sup>4</sup> | Philippine Islands <sup>5</sup> | World total | Per cent of world total in— |                          |
|-------------------------------------------|-----------------------------------------------------------|--------------------------------------|------------------------|--------------------|--------------------------|---------------------|---------------------------------|-------------|-----------------------------|--------------------------|
|                                           |                                                           | Total (in terms of raw) <sup>2</sup> | Beet (chiefly refined) | Cane (chiefly raw) |                          |                     |                                 |             | Continental United States   | U. S. and outlying areas |
| 1870-1874.....                            | 281                                                       | 73                                   | (9)                    | 72                 | 95                       | 113                 | 110                             | (8)         | (9)                         | (9)                      |
| 1875-1879.....                            | 347                                                       | 98                                   | (9)                    | 98                 | 78                       | 20                  | 152                             | (8)         | (9)                         | (9)                      |
| 1880-1884.....                            | 476                                                       | 131                                  | 1                      | 130                | 87                       | 94                  | 196                             | (8)         | (9)                         | (9)                      |
| 1885-1889.....                            | 542                                                       | 153                                  | 1                      | 152                | 78                       | 119                 | 196                             | (8)         | (9)                         | (9)                      |
| 1890-1894.....                            | 759                                                       | 254                                  | 14                     | 271                | 58                       | 145                 | 266                             | (8)         | (9)                         | (9)                      |
| 1895-1899.....                            | 812                                                       | 326                                  | 48                     | 278                | 56                       | 256                 | 174                             | 10,844      | 3.0                         | 7.6                      |
| 1900-1904.....                            | 1,141                                                     | 543                                  | 194                    | 348                | 116                      | 389                 | 94                              | 13,321      | 4.1                         | 8.6                      |
| 1905-1909.....                            | 1,692                                                     | 808                                  | 440                    | 368                | 255                      | 489                 | 141                             | 15,793      | 5.1                         | 10.7                     |
| 1910-1914.....                            | 2,251                                                     | 986                                  | 662                    | 255                | 363                      | 598                 | 309                             | 19,868      | 5.0                         | 11.3                     |
| 1915-1919.....                            | 2,582                                                     | 1,009                                | 759                    | 220                | 469                      | 594                 | 447                             | 18,873      | 5.6                         | 13.7                     |
| 1920-1924.....                            | 2,919                                                     | 1,233                                | 951                    | 211                | 477                      | 622                 | 585                             | 22,093      | 5.6                         | 13.2                     |
| 1925-1929.....                            | 3,566                                                     | 1,192                                | 996                    | 121                | 687                      | 861                 | 819                             | 25,878      | 4.1                         | 12.3                     |
| 1930-1934.....                            | 4,712                                                     | 1,636                                | 1,305                  | 257                | 894                      | 991                 | 1,188                           | 29,217      | 5.6                         | 16.1                     |
| 1935.....                                 | 3,690                                                     | 1,273                                | 1,061                  | 132                | 687                      | 899                 | 934                             | 30,655      | 4.2                         | 12.1                     |
| 1936.....                                 | 4,074                                                     | 1,306                                | 1,018                  | 214                | 866                      | 912                 | 981                             | 30,807      | 4.3                         | 13.3                     |
| 1937.....                                 | 4,241                                                     | 1,509                                | 1,208                  | 210                | 783                      | 989                 | 958                             | 31,530      | 4.8                         | 13.6                     |
| 1938.....                                 | 4,620                                                     | 1,423                                | 1,156                  | 180                | 992                      | 1,025               | 1,174                           | 29,538      | 4.8                         | 15.8                     |
| 1939.....                                 | 4,922                                                     | 1,723                                | 1,357                  | 264                | 818                      | 1,036               | 1,343                           | 27,121      | 6.4                         | 18.1                     |
| 1940.....                                 | 5,098                                                     | 2,016                                | 1,642                  | 251                | 1,014                    | 952                 | 1,621                           | 28,637      | 7.0                         | 19.9                     |
| 1941.....                                 | 4,079                                                     | 1,509                                | 1,160                  | 262                | 773                      | 952                 | 843                             | 20,269      | 5.2                         | 13.9                     |
| 1942.....                                 | 4,736                                                     | 1,654                                | 1,185                  | 380                | 896                      | 980                 | 1,200                           | 31,386      | 5.8                         | 15.1                     |

<sup>1</sup> Includes Puerto Rico, Hawaii, Philippine Islands, and beginning 1917, Virgin Islands not shown separately.

<sup>2</sup> Beet sugar not converted to raw prior to 1909. <sup>3</sup> For 1900 to 1906, shipments to the United States.

<sup>4</sup> Statistics for 1874 to 1880 represent exports. <sup>5</sup> Exports 1871 to 1911, production 1912 and subsequently.

<sup>6</sup> Less than 500. <sup>7</sup> One year only. <sup>8</sup> Not available.

<sup>9</sup> Louisiana only 1924 to 1928; Louisiana and Florida beginning 1929.

<sup>10</sup> Unofficial estimate; data for Philippine Islands represent estimates of centrifugal sugar only which usually accounts for about 90 per cent of the total production.

Source: Bureau of Agricultural Economics, Department of Agriculture.

# No. 648.—SUGAR: PRODUCTION, TRADE, AND SUPPLY AVAILABLE FOR CONSUMPTION, CONTINENTAL UNITED STATES

| Yearly average or<br>year beginning<br>July 1— | Production (beet<br>and cane<br>only) | Brought in<br>from<br>insular<br>areas <sup>1</sup> | Imports as<br>sugar <sup>2</sup> | Exports as<br>sugar <sup>3</sup> | Exports in<br>other<br>forms <sup>4</sup> | Available for con-<br>sumption <sup>5</sup> |            |
|------------------------------------------------|---------------------------------------|-----------------------------------------------------|----------------------------------|----------------------------------|-------------------------------------------|---------------------------------------------|------------|
|                                                |                                       |                                                     |                                  |                                  |                                           | Total                                       | Per capita |
|                                                |                                       |                                                     |                                  |                                  |                                           | In terms of raw sugar <sup>6</sup>          |            |
|                                                | Short tons                            | Short tons                                          | Short tons                       | Short tons                       | Short tons                                | Short tons                                  | Pounds     |
| 1870-1874.....                                 | 72,508                                |                                                     | 777,685                          | 5,269                            | (7)                                       | 844,924                                     | 40.7       |
| 1875-1879.....                                 | 96,444                                |                                                     | 830,375                          | 23,820                           | (7)                                       | 902,999                                     | 38.1       |
| 1880-1884.....                                 | 131,073                               |                                                     | 1,151,724                        | 39,347                           | (7)                                       | 1,243,449                                   | 46.5       |
| 1885-1889.....                                 | 152,879                               |                                                     | 1,414,647                        | 43,136                           | (7)                                       | 1,524,389                                   | 50.9       |
| 1890-1894.....                                 | 234,346                               |                                                     | 1,894,201                        | 16,903                           | (7)                                       | 2,131,044                                   | 64.3       |
| 1895-1899.....                                 | 326,362                               |                                                     | 1,943,678                        | 5,660                            | (7)                                       | 2,264,380                                   | 62.2       |
| 1900-1904.....                                 | 542,798                               | 500,764                                             | 1,839,377                        | 7,301                            | (7)                                       | 2,875,638                                   | 71.7       |
| 1905-1909.....                                 | 808,015                               | 751,650                                             | 1,958,304                        | 32,423                           | (7)                                       | 3,483,647                                   | 78.9       |
| 1910-1914.....                                 | 895,531                               | 1,038,605                                           | 2,187,469                        | 91,554                           | 15,164                                    | 4,104,886                                   | 85.7       |
| 1915-1919.....                                 | 1,069,086                             | 1,066,272                                           | 2,834,957                        | 642,023                          | 44,538                                    | 4,283,754                                   | 83.3       |
| 1920-1924.....                                 | 1,232,959                             | 1,314,489                                           | 3,721,100                        | 448,697                          | 36,102                                    | 5,783,749                                   | 104.5      |
| 1925-1929.....                                 | 1,192,000                             | 2,015,035                                           | 3,643,010                        | 168,468                          | 81,270                                    | 6,660,928                                   | 121.9      |
| 1930-1934.....                                 | 1,636,141                             | 2,806,820                                           | 2,115,801                        | 82,807                           | 24,616                                    | 6,451,753                                   | 102.9      |
| 1935.....                                      | 903,090                               | 975,735                                             | 3,812,955                        | 776,502                          | 98,386                                    | 4,816,862                                   | 91.1       |
| 1936.....                                      | 1,346,811                             | 1,070,342                                           | 5,228,279                        | 319,589                          | 86,491                                    | 5,242,352                                   | 97.7       |
| 1937.....                                      | 1,424,726                             | 1,340,867                                           | 3,940,777                        | 1,085,349                        | 31,397                                    | 5,589,624                                   | 102.5      |
| 1938.....                                      | 1,021,360                             | 1,235,049                                           | 4,088,205                        | 412,196                          | 12,568                                    | 5,899,849                                   | 106.6      |
| 1939.....                                      | 1,111,898                             | 1,274,870                                           | 3,486,955                        | 152,883                          | 24,617                                    | 5,040,223                                   | 100.5      |
| 1940.....                                      | 1,260,000                             | 1,645,319                                           | 3,931,282                        | 273,470                          | 22,436                                    | 6,540,695                                   | 114.7      |
| 1941.....                                      | 1,121,000                             | 1,981,482                                           | 3,896,947                        | 325,804                          | 24,998                                    | 6,047,627                                   | 114.9      |
| 1942.....                                      | 1,011,000                             | 1,689,347                                           | 3,968,997                        | 124,556                          | 20,303                                    | 6,518,486                                   | 111.1      |
| 1943.....                                      | 1,245,000                             | 2,051,659                                           | 3,415,830                        | 115,696                          | 20,633                                    | 6,568,090                                   | 110.4      |
| 1944.....                                      | 1,273,000                             | 1,974,899                                           | 4,115,601                        | 139,324                          | 31,894                                    | 7,192,282                                   | 119.2      |
| 1945.....                                      | 1,308,000                             | 2,377,787                                           | 2,623,173                        | 87,092                           | 43,320                                    | 6,378,157                                   | 104.3      |
| 1946.....                                      | 1,509,000                             | 2,603,735                                           | 2,416,398                        | 77,131                           | 33,026                                    | 6,419,089                                   | 103.8      |
| 1947.....                                      | 1,423,242                             | 2,811,893                                           | 2,321,442                        | 59,973                           | 28,622                                    | 6,469,082                                   | 103.9      |
| 1948.....                                      | 1,723,361                             | 3,074,951                                           | 1,710,999                        | 44,000                           | 22,437                                    | 6,442,874                                   | 102.8      |
| 1949.....                                      | 2,016,176                             | 3,234,050                                           | 1,356,426                        | 87,427                           | 19,666                                    | 6,520,159                                   | 103.3      |
| 1950.....                                      | 1,508,927                             | 2,308,871                                           | 2,773,741                        | 164,804                          | 19,427                                    | 6,407,608                                   | 100.8      |
| 1951.....                                      | 1,654,477                             | 2,663,634                                           | 2,375,180                        | 103,369                          | 19,500                                    | 6,570,302                                   | 102.7      |

For footnotes see next page.

**No. 648.—SUGAR: PRODUCTION, TRADE, AND SUPPLY AVAILABLE FOR CONSUMPTION, CONTINENTAL UNITED STATES—Continued**

| Year beginning<br>July 1— | Production<br>(beet and cane<br>only)  | Brought in<br>from insular<br>areas | Imports<br>as sugar | Exports as<br>sugar | Exports in other<br>forms | Available for con-<br>sumption |               |
|---------------------------|----------------------------------------|-------------------------------------|---------------------|---------------------|---------------------------|--------------------------------|---------------|
|                           |                                        |                                     |                     |                     |                           | Total                          | Per capita    |
|                           | In terms of refined sugar <sup>1</sup> |                                     |                     |                     |                           |                                |               |
|                           | <i>Short tons</i>                      | <i>Short tons</i>                   | <i>Short tons</i>   | <i>Short tons</i>   | <i>Short tons</i>         | <i>Short tons</i>              | <i>Pounds</i> |
| 1926.....                 | 941,000                                | 1,588,981                           | 3,714,054           | 115,865             | 24,514                    | 6,103,650                      | 104.0         |
| 1927.....                 | 1,159,000                              | 1,630,732                           | 3,196,443           | 107,704             | 27,805                    | 6,160,668                      | 103.3         |
| 1928.....                 | 1,184,000                              | 1,868,331                           | 3,851,311           | 129,846             | 29,726                    | 6,734,070                      | 111.6         |
| 1929.....                 | 1,217,084                              | 2,239,140                           | 2,641,700           | 81,167              | 40,375                    | 5,976,391                      | 97.7          |
| 1930.....                 | 1,403,807                              | 2,451,611                           | 2,261,187           | 71,884              | 30,781                    | 6,013,940                      | 97.2          |
| 1931.....                 | 1,325,752                              | 2,675,996                           | 2,180,307           | 55,541              | 26,862                    | 6,105,652                      | 98.0          |
| 1932.....                 | 1,605,975                              | 2,624,863                           | 1,611,418           | 41,439              | 21,131                    | 6,079,686                      | 97.0          |
| 1933.....                 | 1,878,558                              | 3,074,820                           | 1,277,481           | 63,603              | 18,521                    | 6,148,835                      | 97.4          |
| 1934.....                 | 1,406,683                              | 2,199,157                           | 2,612,306           | 154,926             | 18,296                    | 6,044,921                      | 95.1          |
| 1935.....                 | 1,543,333                              | 2,535,073                           | 2,236,926           | 97,362              | 18,367                    | 6,199,608                      | 96.9          |

<sup>1</sup> Includes Hawaii, Puerto Rico, and the Philippine Islands; Virgin Islands included after 1916.

<sup>2</sup> Imports from the Philippine Islands excluded beginning 1900; reexports deducted through 1932-33; imports for consumption beginning 1933-34.

<sup>3</sup> Includes shipments to Hawaii and Puerto Rico for all years, to Alaska beginning 1933-34, and the Virgin Islands beginning Jan. 1, 1935. Excludes direct exports from them to foreign countries and also reexports of imported raw sugar.

<sup>4</sup> Sugar used in the manufacture of other commodities for export on which drawback was paid.

<sup>5</sup> Stocks at the beginning or end of year ignored.

<sup>6</sup> Except beet sugar production and exports prior to 1909 which are chiefly refined.

<sup>7</sup> Not computed.

<sup>8</sup> Raw sugar converted to refined by multiplying by the following factors: 1909-10 to 1930-31, Cuba and Hawaii, 0.9358; Puerto Rico, 0.9393; Philippine Islands, 0.95; all others, 0.932; beginning 1931-32 Hawaii, 0.9617; Puerto Rico, Philippine Islands, and Virgin Islands, 0.946; Cuba and all others, 0.9418.

Source: Bureau of Agricultural Economics, Department of Agriculture.

**No. 649.—SUGAR, RAW: PERCENTAGES RELATING TO SUGAR CONSUMPTION IN CONTINENTAL UNITED STATES**

| Yearly average or year beginning July 1— | Per cent of world production retained for consumption | Per cent of consumption from 1— |                                                        |                                    | Year beginning July 1— | Per cent of world production retained for consumption | Per cent of consumption from 1— |                                                        |                                    |
|------------------------------------------|-------------------------------------------------------|---------------------------------|--------------------------------------------------------|------------------------------------|------------------------|-------------------------------------------------------|---------------------------------|--------------------------------------------------------|------------------------------------|
|                                          |                                                       | Domes-<br>tic                   | Non-<br>contig-<br>uous<br>terri-<br>tory <sup>1</sup> | All for-<br>eign<br>coun-<br>tries |                        |                                                       | Domes-<br>tic                   | Non-<br>contig-<br>uous<br>terri-<br>tory <sup>1</sup> | All for-<br>eign<br>coun-<br>tries |
| 1870-1874.....                           | ( <sup>9</sup> )                                      | 8.6                             | 13.4                                                   | 78.0                               | 1920.....              | 26.8                                                  | 26.7                            | 20.5                                                   | 53.8                               |
| 1875-1879.....                           | ( <sup>9</sup> )                                      | 10.7                            | 13.5                                                   | 75.8                               | 1921.....              | 27.2                                                  | 25.5                            | 24.0                                                   | 50.5                               |
| 1880-1884.....                           | ( <sup>9</sup> )                                      | 10.5                            | 17.1                                                   | 72.4                               | 1922.....              | 28.3                                                  | 17.3                            | 20.9                                                   | 61.8                               |
| 1885-1889.....                           | ( <sup>9</sup> )                                      | 10.0                            | 18.8                                                   | 71.2                               | 1923.....              | 24.8                                                  | 19.7                            | 22.6                                                   | 57.7                               |
| 1890-1894.....                           | ( <sup>9</sup> )                                      | 13.3                            | 11.1                                                   | 75.6                               | 1924.....              | 24.5                                                  | 19.3                            | 25.2                                                   | 56.6                               |
| 1895-1899.....                           | 20.9                                                  | 14.4                            | 13.4                                                   | 72.1                               | 1925.....              | 23.8                                                  | 16.9                            | 29.8                                                   | 53.3                               |
| 1900-1904.....                           | 21.6                                                  | 18.9                            | 17.4                                                   | 63.7                               | 1926.....              | 24.5                                                  | 15.5                            | 25.0                                                   | 58.5                               |
| 1905-1909.....                           | 22.0                                                  | 23.0                            | 21.6                                                   | 55.3                               | 1927.....              | 23.0                                                  | 19.0                            | 31.2                                                   | 49.8                               |
| 1910-1914.....                           | 20.7                                                  | 24.0                            | 25.3                                                   | 50.7                               | 1928.....              | 23.5                                                  | 17.7                            | 27.5                                                   | 54.8                               |
| 1915-1919.....                           | 22.7                                                  | 25.0                            | 24.9                                                   | 50.2                               | 1929.....              | 20.8                                                  | 20.5                            | 37.3                                                   | 42.2                               |
| 1920-1924.....                           | 26.2                                                  | 21.3                            | 22.7                                                   | 56.0                               | 1930.....              | 20.4                                                  | 23.5                            | 40.6                                                   | 35.9                               |
| 1925-1929.....                           | 23.1                                                  | 17.9                            | 30.3                                                   | 51.9                               | 1931.....              | 21.9                                                  | 22.0                            | 43.5                                                   | 34.6                               |
| 1930-1934.....                           | 22.1                                                  | 25.4                            | 43.6                                                   | 31.1                               | 1932.....              | 23.8                                                  | 26.7                            | 47.7                                                   | 25.5                               |
| 1917.....                                | 19.9                                                  | 25.5                            | 24.2                                                   | 49.4                               | 1933.....              | 22.8                                                  | 30.9                            | 49.6                                                   | 19.5                               |
| 1918.....                                | 23.3                                                  | 25.2                            | 24.6                                                   | 50.2                               | 1934.....              | 21.9                                                  | 23.5                            | 36.0                                                   | 40.4                               |
| 1919.....                                | 26.8                                                  | 18.7                            | 20.3                                                   | 61.0                               | 1935.....              | 20.9                                                  | 25.2                            | 40.5                                                   | 34.3                               |

<sup>1</sup> Exports assumed to be wholly from sugar imported from foreign countries.

<sup>2</sup> Hawaii, Puerto Rico, and Philippine Islands and after 1916, Virgin Islands. <sup>3</sup> Not available.

Source: 1875 to 1909, computed from production as reported by the Department of Agriculture, and exports, imports, and shipments as reported by the Bureau of Foreign and Domestic Commerce; thereafter, based on data in tables 647 and 648.

**No. 650.—SUGAR: WHOLESALE PRICES OF RAW AND REFINED, NEW YORK**  
[Cents per pound]

| Yearly average or year | Raw, 96° cen-trif-ugal | Re-fined, gran-ulated | Year and month | Raw, 96° cen-trif-ugal | Re-fined, gran-ulated | Year and month | Raw, 96° cen-trif-ugal | Re-fined, gran-ulated | Year and month | Raw, 96° cen-trif-ugal | Re-fined, gran-ulated |
|------------------------|------------------------|-----------------------|----------------|------------------------|-----------------------|----------------|------------------------|-----------------------|----------------|------------------------|-----------------------|
| 1891-1895              | 3.5                    | 4.4                   | 1933           |                        |                       | 1934           |                        |                       | 1935           |                        |                       |
| 1896-1900              | 4.1                    | 4.9                   | Jan.           | 2.7                    | 3.9                   | Jan.           | 3.2                    | 4.2                   | Jan.           | 2.8                    | 4.2                   |
| 1901-1905              | 3.9                    | 4.8                   | Feb.           | 2.8                    | 3.8                   | Feb.           | 3.3                    | 4.4                   | Feb.           | 2.9                    | 4.2                   |
| 1906-1910              | 4.0                    | 4.8                   | Mar.           | 3.0                    | 4.1                   | Mar.           | 3.1                    | 4.4                   | Mar.           | 3.0                    | 4.3                   |
| 1911-1915              | 4.1                    | 5.0                   | Apr.           | 3.1                    | 4.2                   | Apr.           | 2.8                    | 4.4                   | Apr.           | 3.3                    | 4.9                   |
| 1916-1920              | 7.8                    | 8.8                   | May            | 3.3                    | 4.4                   | May            | 2.8                    | 4.1                   | May            | 3.3                    | 5.2                   |
| 1921-1925              | 5.3                    | 6.7                   | June           | 3.4                    | 4.5                   | June           | 2.9                    | 4.5                   | June           | 3.3                    | 5.2                   |
| 1926-1930              | 4.1                    | 5.3                   | July           | 3.5                    | 4.6                   | July           | 3.2                    | 4.7                   | July           | 3.3                    | 5.1                   |
| 1931-1935              | 3.1                    | 4.4                   | Aug.           | 3.5                    | 4.6                   | Aug.           | 3.3                    | 4.7                   | Aug.           | 3.3                    | 5.0                   |
| 1931                   | 3.3                    | 4.4                   | Sept.          | 3.6                    | 4.6                   | Sept.          | 2.9                    | 4.7                   | Sept.          | 3.5                    | 5.2                   |
| 1932                   | 2.9                    | 4.0                   | Oct.           | 3.3                    | 4.5                   | Oct.           | 2.9                    | 4.6                   | Oct.           | 3.6                    | 5.2                   |
| 1933                   | 3.2                    | 4.3                   | Nov.           | 3.2                    | 4.4                   | Nov.           | 2.9                    | 4.5                   | Nov.           | 3.5                    | 5.2                   |
| 1934                   | 3.0                    | 4.4                   | Dec.           | 3.2                    | 4.3                   | Dec.           | 2.9                    | 4.3                   | Dec.           | 3.1                    | 5.2                   |
| 1935                   | 3.2                    | 4.9                   |                |                        |                       |                |                        |                       |                |                        |                       |

Source: Bureau of Labor Statistics, Department of Labor.

**No. 651.—RUBBER: WORLD PRODUCTION AND UNITED STATES IMPORTS**

NOTE.—Figures include guayula. Value of imports of rubber (excluding guayula beginning 1911) are shown in table 522. Tons are of 2,240 pounds

| Year | World production |                           |                                    | United States |            |           |                            | Average price per pound, New York |                                   |
|------|------------------|---------------------------|------------------------------------|---------------|------------|-----------|----------------------------|-----------------------------------|-----------------------------------|
|      | Total            | Plan-tation (Middle East) | Wild (tropical America and Africa) | Imports       | Reex-ports | Retained  |                            | Fine para                         | Plan-tation, ribbed, smoked sheet |
|      |                  |                           |                                    |               |            | Amount    | Share of world pro-duction |                                   |                                   |
|      | Long tons        | Long tons                 | Long tons                          | Long tons     | Long tons  | Long tons | Per cent                   | Dollars                           | Dollars                           |
| 1910 | 93,950           | 10,916                    | 83,034                             | 45,003        | 2,749      | 42,254    | 45.0                       | 1.908                             | 2.066                             |
| 1911 | 94,055           | 17,601                    | 76,554                             | 44,424        | 2,523      | 41,901    | 44.6                       | 1.110                             | 1.413                             |
| 1912 | 114,276          | 33,306                    | 80,970                             | 58,435        | 2,456      | 55,979    | 49.0                       | 1.052                             | 1.216                             |
| 1913 | 120,123          | 53,044                    | 66,479                             | 53,906        | 1,881      | 52,025    | 43.3                       | .807                              | .820                              |
| 1914 | 123,173          | 74,587                    | 48,586                             | 64,884        | 2,618      | 62,266    | 50.6                       | .616                              | .653                              |
| 1915 | 170,826          | 116,370                   | 54,456                             | 101,063       | 2,682      | 99,011    | 58.0                       | .557                              | .657                              |
| 1916 | 214,089          | 161,842                   | 52,247                             | 121,709       | 4,098      | 117,611   | 54.9                       | .669                              | .725                              |
| 1917 | 278,140          | 221,452                   | 56,688                             | 183,255       | 4,000      | 179,255   | 64.4                       | .648                              | .722                              |
| 1918 | 219,684          | 181,061                   | 38,623                             | 146,132       | 2,746      | 143,386   | 65.3                       | .549                              | .602                              |
| 1919 | 399,731          | 348,990                   | 50,741                             | 240,689       | 2,282      | 238,407   | 59.6                       | .483                              | .485                              |
| 1920 | 342,033          | 305,106                   | 36,927                             | 253,680       | 4,160      | 249,520   | 73.0                       | .333                              | .359                              |
| 1921 | 301,512          | 277,518                   | 23,996                             | 185,452       | 5,716      | 179,736   | 59.6                       | .182                              | .165                              |
| 1922 | 406,394          | 370,520                   | 26,874                             | 301,203       | 4,809      | 296,394   | 72.9                       | .183                              | .173                              |
| 1923 | 408,641          | 380,058                   | 28,583                             | 310,299       | 8,772      | 301,527   | 73.8                       | .248                              | .307                              |
| 1924 | 428,991          | 394,037                   | 31,954                             | 329,322       | 10,309     | 319,013   | 74.9                       | .212                              | .264                              |
| 1925 | 528,485          | 488,825                   | 39,660                             | 400,423       | 14,827     | 385,596   | 73.0                       | .560                              | .730                              |
| 1926 | 624,312          | 583,210                   | 41,102                             | 417,643       | 17,671     | 399,972   | 64.1                       | .380                              | .487                              |
| 1927 | 615,255          | 570,824                   | 44,431                             | 431,246       | 27,775     | 403,471   | 65.6                       | .268                              | .381                              |
| 1928 | 662,341          | 630,522                   | 31,819                             | 439,732       | 32,159     | 407,573   | 61.5                       | .186                              | .226                              |
| 1929 | 863,558          | 835,543                   | 28,015                             | 565,087       | 36,485     | 528,602   | 61.2                       | (1)                               | .206                              |
| 1930 | 817,731          | 797,731                   | 20,000                             | 487,627       | 30,205     | 457,422   | 55.9                       | (1)                               | .119                              |
| 1931 | 895,879          | 790,464                   | 15,415                             | 501,787       | 25,698     | 476,179   | 59.1                       | (1)                               | .062                              |
| 1932 | 707,600          | 696,290                   | 8,210                              | 414,668       | 20,937     | 393,731   | 55.7                       | (1)                               | .035                              |
| 1933 | 852,962          | 840,342                   | 12,620                             | 418,902       | 20,537     | 398,365   | 46.7                       | (1)                               | .060                              |
| 1934 | 1,016,734        | 1,003,080                 | 13,655                             | 462,790       | 23,848     | 438,942   | 43.2                       | (1)                               | .129                              |
| 1935 | 872,722          | 853,501                   | 19,221                             | 467,147       | 11,380     | 455,768   | 52.2                       | (1)                               | .124                              |

1 Discontinued.

Source: Bureau of Foreign and Domestic Commerce (compiled from various original sources); prices, Bureau of Labor Statistics, Department of Labor, except plantation 1910 to 1914, from U. S. Rubber Co.

# No. 652.—COTTON: PRODUCTION, CONSUMPTION, EXPORTS, IMPORTS, AND PRICES

NOTE.—Production, consumption, and exports beginning 1914 are in thousands of running bales (counting round as half bales); these items prior to 1914, and net imports, all years, are in thousands of 500-pound bales, gross weight. Production statistics relate to the growth year indicated in the stub. Other statistics for the most part relate to the 12-month period roughly corresponding to the marketing of the crop; there have been minor variations from time to time in the periods covered, but consumption, exports, and imports, beginning 1914, and prices, beginning 1910, are for the 12 months ended July 31 following the year indicated in the stub. Prices for 1902 to 1909 represent the price of the average grade marketed in New Orleans up to April 1 of the following year; from 1910 to date, the average price on the farm of all lint cotton throughout the country

## COTTON (EXCLUDING LINTERS)<sup>1</sup>

| Year or<br>yearly average<br>(growth year) | Produc-<br>tion | Con-<br>sump-<br>tion | Domes-<br>tic ex-<br>ports | Net<br>imports | Year (growth<br>year) | Produc-<br>tion | Con-<br>sump-<br>tion | Domes-<br>tic ex-<br>ports | Net<br>imports |
|--------------------------------------------|-----------------|-----------------------|----------------------------|----------------|-----------------------|-----------------|-----------------------|----------------------------|----------------|
| 1790-----                                  | 3               | 11                    | (?)                        | 1              | 1912-----             | 14,313          | 5,867                 | 9,199                      | 225            |
| 1800-----                                  | 73              | 19                    | 32                         | 9              | 1913-----             | 14,795          | 5,943                 | 9,256                      | 266            |
| 1810-----                                  | 178             | 36                    | 124                        | (?)            | 1914-----             | 15,906          | 5,597                 | 8,223                      | 364            |
| 1820-----                                  | 335             | 100                   | 250                        | (?)            | 1915-----             | 11,068          | 6,398                 | 5,896                      | 421            |
| 1830-----                                  | 732             | 130                   | 554                        | (?)            | 1916-----             | 11,394          | 6,789                 | 5,300                      | 288            |
| 1840-----                                  | 1,349           | 245                   | 1,060                      | 1              | 1917-----             | 11,248          | 6,566                 | 4,288                      | 217            |
| 1850-----                                  | 2,136           | 423                   | 1,854                      | (?)            | 1918-----             | 11,906          | 5,766                 | 5,592                      | 197            |
| 1860-----                                  | 3,841           | 842                   | 615                        |                | 1919-----             | 11,326          | 6,420                 | 6,545                      | 683            |
| 1870-----                                  | 4,026           | 1,027                 | 2,923                      | 2              | 1920-----             | 13,271          | 4,893                 | 5,745                      | 211            |
| 1866-1875-----                             | 3,104           | 1,007                 | 2,164                      | 3              | 1921-----             | 7,978           | 5,910                 | 6,184                      | 352            |
| 1876-1885-----                             | 5,452           | 1,708                 | 3,721                      | 6              | 1922-----             | 9,729           | 6,666                 | 4,823                      | 450            |
| 1886-1895-----                             | 7,636           | 2,473                 | 5,174                      | 52             | 1923-----             | 10,171          | 5,681                 | 5,650                      | 272            |
| 1896-1900-----                             | 10,151          | 3,455                 | 6,907                      | 115            | 1924-----             | 13,639          | 6,193                 | 8,005                      | 303            |
| 1901-1905-----                             | 11,007          | 4,330                 | 7,210                      | 141            | 1925-----             | 16,123          | 6,460                 | 8,051                      | 314            |
| 1906-1910-----                             | 12,176          | 4,828                 | 8,002                      | 178            | 1926-----             | 17,755          | 7,190                 | 10,927                     | 382            |
| 1911-1915-----                             | 14,466          | 5,841                 | 8,761                      | 301            | 1927-----             | 12,783          | 6,834                 | 7,540                      | 321            |
| 1916-1920-----                             | 11,823          | 6,078                 | 5,404                      | 319            | 1928-----             | 14,297          | 7,091                 | 8,044                      | 442            |
| 1921-1925-----                             | 11,528          | 6,181                 | 6,544                      | 338            | 1929-----             | 14,548          | 6,106                 | 6,690                      | 368            |
| 1926-1930-----                             | 14,628          | 6,497                 | 7,062                      | 322            | 1930-----             | 13,766          | 5,263                 | 6,760                      | 90             |
| 1931-1935-----                             | 12,379          | 5,682                 | 7,087                      | 128            | 1931-----             | 16,629          | 4,866                 | 8,708                      | 107            |
| 1908-----                                  | 13,687          | 5,199                 | 8,800                      | 166            | 1932-----             | 12,710          | 6,137                 | 8,419                      | 124            |
| 1909-----                                  | 10,315          | 4,769                 | 6,492                      | 151            | 1933-----             | 12,604          | 5,700                 | 7,534                      | * 148          |
| 1910-----                                  | 12,006          | 4,713                 | 8,026                      | 231            | 1934-----             | 9,472           | 5,361                 | 4,709                      | * 107          |
| 1911-----                                  | 16,250          | 5,400                 | 11,081                     | 229            | 1935-----             | 10,420          | 6,351                 | 5,973                      | * 155          |

## LINTERS

|           |       |       |     |       |           |       |     |     |       |
|-----------|-------|-------|-----|-------|-----------|-------|-----|-----|-------|
| 1914----- | 832   | 412   | 222 | ----- | 1925----- | 1,044 | 804 | 104 | ----- |
| 1915----- | 945   | 851   | 205 | ----- | 1926----- | 1,042 | 806 | 257 | ----- |
| 1916----- | 1,300 | 870   | 430 | ----- | 1927----- | 875   | 780 | 193 | ----- |
| 1917----- | 1,096 | 1,119 | 188 | ----- | 1928----- | 1,080 | 870 | 196 | ----- |
| 1918----- | 910   | 458   | 72  | ----- | 1929----- | 1,098 | 805 | 118 | ----- |
| 1919----- | 595   | 342   | 53  | ----- | 1930----- | 824   | 714 | 112 | ----- |
| 1920----- | 423   | 516   | 51  | ----- | 1931----- | 876   | 687 | 116 | ----- |
| 1921----- | 382   | 639   | 132 | ----- | 1932----- | 741   | 761 | 184 | ----- |
| 1922----- | 591   | 646   | 41  | ----- | 1933----- | 801   | 707 | 169 | ----- |
| 1923----- | 640   | 537   | 118 | ----- | 1934----- | 805   | 719 | 205 | ----- |
| 1924----- | 868   | 659   | 191 | ----- | 1935----- | 876   | 754 | 241 | ----- |

## AVERAGE PRICE, UPLAND LINT COTTON, CENTS PER POUND<sup>4</sup>

|                |      |                |      |           |      |                |        |
|----------------|------|----------------|------|-----------|------|----------------|--------|
| 1790-----      | 28.0 | 1911-1915----- | 10.4 | 1916----- | 17.3 | 1933-----      | * 10.2 |
| 1800-----      | 44.0 | 1916-1920----- | 24.9 | 1917----- | 27.1 | 1934-----      | 12.4   |
| 1810-----      | 15.5 | 1921-1925----- | 22.2 | 1918----- | 28.8 | 1935-----      | 11.1   |
| 1820-----      | 14.3 | 1926-1930----- | 15.4 | 1919----- | 35.4 |                |        |
| 1830-----      | 9.7  | 1931-1935----- | 9.2  | 1920----- | 15.8 | August-----    | 11.5   |
| 1840-----      | 9.5  | 1904-----      | 8.7  | 1921----- | 16.9 | September----- | 10.6   |
| 1850-----      | 12.1 | 1905-----      | 10.9 | 1922----- | 22.9 | October-----   | 10.9   |
| 1860-----      | 13.0 | 1906-----      | 10.0 | 1923----- | 28.7 | November-----  | 11.6   |
| 1870-----      | 17.0 | 1907-----      | 11.5 | 1924----- | 22.9 | December-----  | 11.4   |
| 1871-1875----- | 16.7 | 1908-----      | 9.2  | 1925----- | 19.6 | 1936-----      |        |
| 1876-1880----- | 11.4 | 1909-----      | 14.3 | 1926----- | 12.5 | January-----   | 11.1   |
| 1881-1885----- | 10.7 | 1910-----      | 14.0 | 1927----- | 20.2 | February-----  | 11.0   |
| 1886-1890----- | 10.3 | 1911-----      | 9.6  | 1928----- | 18.0 | March-----     | 10.9   |
| 1891-1895----- | 7.5  | 1912-----      | 11.5 | 1929----- | 16.8 | April-----     | 11.2   |
| 1896-1900----- | 6.9  | 1913-----      | 12.5 | 1930----- | 9.5  | May-----       | 11.2   |
| 1901-1905----- | 9.6  | 1914-----      | 7.3  | 1931----- | 5.7  | June-----      | 11.4   |
| 1906-1910----- | 11.8 | 1915-----      | 11.2 | 1932----- | 6.5  |                |        |

<sup>1</sup> Production, consumption, and exports of cotton include linters prior to 1914.

<sup>2</sup> Less than 500 bales.

<sup>3</sup> Imports for consumption.

<sup>4</sup> See headnote.

<sup>5</sup> Revised figures.

Source: Bureau of the Census. See Bulletin 167, p. 57, of that bureau for original sources.

# No. 653.—COTTONSEED AND COTTONSEED PRODUCTS: PRODUCTION, VALUE, AND EXPORTS

NOTE.—Cottonseed production relates to the preceding crop year; other data relate to 12 months ended July 31, except exports, which are for 12 months ended June 30 of year indicated in stub. Tons are of 2,000 pounds

| Yearly average or<br>year ended July<br>31 or June 30-- | Cottonseed      |                     | Cottonseed products |                     |                     |                       |                  |                  |                     |                     |                     |                  |                     |                    |                               |                 | Exports          |  |
|---------------------------------------------------------|-----------------|---------------------|---------------------|---------------------|---------------------|-----------------------|------------------|------------------|---------------------|---------------------|---------------------|------------------|---------------------|--------------------|-------------------------------|-----------------|------------------|--|
|                                                         | Pro-<br>duction | Used<br>in<br>mills | Production          |                     |                     |                       | Value            |                  |                     |                     | Value per unit      |                  |                     |                    |                               |                 |                  |  |
|                                                         |                 |                     | Oil                 | Meal<br>and<br>cake | Hulls               | Linters               | All<br>products  | Oil              | Meal<br>and<br>cake | Hulls               | Linters             | Oil              | Meal<br>and<br>cake | Hulls              | Linters                       |                 |                  |  |
|                                                         |                 |                     |                     |                     |                     |                       |                  |                  |                     |                     |                     |                  |                     |                    |                               |                 |                  |  |
|                                                         | 1,000<br>tons   | 1,000<br>tons       | 1,000<br>pounds     | 1,000<br>tons       | 1,000<br>tons       | Bales <sup>1</sup>    | 1,000<br>dollars | 1,000<br>dollars | 1,000<br>dollars    | 1,000<br>dollars    | 1,000<br>dollars    | Cents<br>per lb. | Dollars<br>per ton  | Dollars<br>per ton | Cents<br>per lb. <sup>2</sup> | 1,000<br>pounds | 1,000<br>tons    |  |
| 1881-1890                                               | 3, 018          | 553                 | 165, 810            | 193                 |                     |                       | 12, 164          | 7, 864           | 4, 830              |                     |                     | 4. 7             | 22. 25              |                    |                               | 34, 038         |                  |  |
| 1891-1900                                               | 4, 280          | 1, 626              | 483, 015            | 570                 | <sup>a</sup> 1, 169 | <sup>a</sup> 114, 544 | 25, 580          | 13, 348          | 11, 733             | <sup>a</sup> 3, 190 | <sup>a</sup> 1, 800 | 2. 8             | 20. 68              | <sup>a</sup> 2. 73 | <sup>a</sup> 3. 1             | 191, 157        | <sup>a</sup> 888 |  |
| 1901-1905                                               | 5, 139          | 3, 085              | 890, 745            | 1, 130              | 1, 382              | 167, 327              | 65, 148          | 34, 038          | 22, 824             | 5, 400              | 2, 888              | 3. 8             | 20. 19              | 3. 91              | 3. 1                          | 297, 888        | 548              |  |
| 1906-1910                                               | 5, 258          | 3, 286              | 990, 450            | 1, 339              | 1, 195              | 282, 064              | 83, 424          | 40, 432          | 32, 236             | 7, 242              | 3, 514              | 4. 1             | 24. 07              | 6. 06              | 2. 4                          | 311, 463        | 578              |  |
| 1911-1915                                               | 6, 353          | 4, 847              | 1, 466, 940         | 2, 162              | 1, 527              | 595, 225              | 143, 766         | 75, 334          | 61, 580             | 10, 126             | 6, 526              | 5. 1             | 23. 86              | 6. 63              | 2. 1                          | 290, 311        | 551              |  |
| 1916-1920                                               | 5, 116          | 4, 285              | 1, 302, 050         | 2, 041              | 1, 093              | 943, 474              | 312, 781         | 179, 249         | 92, 191             | 14, 845             | 26, 496             | 13. 8            | 45. 13              | 13. 58             | 5. 4                          | 172, 877        | 301              |  |
| 1921-1925                                               | 4, 878          | 3, 646              | 1, 125, 196         | 1, 654              | 1, 082              | 578, 384              | 177, 947         | 91, 147          | 61, 141             | 11, 539             | 14, 120             | 8. 1             | 36. 97              | 10. 66             | 4. 7                          | 106, 371        | 258              |  |
| 1926-1930                                               | 6, 784          | 5, 319              | 1, 631, 597         | 2, 409              | 1, 495              | 1, 117, 754           | 247, 765         | 133, 413         | 81, 514             | 11, 294             | 22, 544             | 8. 1             | 33. 84              | 7. 56              | 3. 9                          | 48, 762         | 328              |  |
| 1931-1935                                               | 5, 932          | 4, 474              | 1, 398, 611         | 2, 032              | 1, 229              | 954, 186              | 129, 846         | 67, 335          | 42, 939             | 7, 633              | 11, 938             | 4. 8             | 21. 13              | 6. 21              | 2. 4                          | 28, 100         | 97               |  |
| 1924                                                    | 4, 502          | 3, 308              | 979, 617            | 1, 518              | 941                 | 642, 348              | 182, 137         | 88, 098          | 59, 300             | 12, 737             | 22, 007             | 9. 0             | 39. 06              | 13. 54             | 6. 6                          | 39, 418         | 125              |  |
| 1925                                                    | 6, 051          | 4, 606              | 1, 403, 781         | 2, 126              | 1, 331              | 859, 624              | 240, 855         | 126, 065         | 79, 173             | 13, 749             | 21, 268             | 9. 0             | 37. 24              | 10. 33             | 4. 7                          | 53, 261         | 443              |  |
| 1926                                                    | 7, 150          | 5, 558              | 1, 617, 015         | 2, 697              | 1, 547              | 1, 008, 919           | 258, 027         | 138, 552         | 81, 508             | 12, 649             | 23, 213             | 8. 6             | 31. 39              | 8. 17              | 4. 2                          | 63, 230         | 358              |  |
| 1927                                                    | 7, 989          | 6, 806              | 1, 887, 910         | 2, 840              | 1, 864              | 1, 112, 019           | 240, 284         | 122, 242         | 72, 476             | 8, 882              | 16, 884             | 7. 5             | 25. 52              | 4. 79              | 2. 9                          | 57, 580         | 495              |  |
| 1928                                                    | 6, 758          | 4, 654              | 1, 476, 609         | 2, 093              | 1, 320              | 977, 870              | 247, 827         | 132, 372         | 80, 582             | 9, 995              | 24, 878             | 9. 0             | 38. 50              | 7. 57              | 4. 9                          | 61, 470         | 332              |  |
| 1929                                                    | 6, 435          | 5, 061              | 1, 604, 131         | 2, 282              | 1, 368              | 1, 234, 287           | 265, 247         | 133, 006         | 90, 706             | 12, 842             | 27, 793             | 8. 3             | 39. 75              | 9. 39              | 4. 3                          | 29, 531         | 286              |  |
| 1930                                                    | 6, 590          | 5, 016              | 1, 672, 322         | 2, 232              | 1, 384              | 1, 195, 676           | 229, 440         | 114, 892         | 82, 296             | 12, 103             | 20, 149             | 7. 3             | 36. 87              | 8. 74              | 3. 2                          | 31, 996         | 170              |  |
| 1931                                                    | 6, 191          | 4, 715              | 1, 441, 882         | 2, 165              | 1, 304              | 950, 177              | 169, 704         | 91, 638          | 68, 623             | 10, 474             | 8, 969              | 6. 4             | 27. 08              | 8. 04              | 1. 8                          | 26, 353         | 44               |  |
| 1932                                                    | 7, 602          | 5, 328              | 1, 694, 123         | 2, 401              | 1, 511              | 1, 028, 851           | 102, 545         | 57, 646          | 33, 071             | 5, 237              | 6, 694              | 3. 4             | 13. 77              | 3. 47              | 1. 3                          | 41, 038         | 216              |  |
| 1933                                                    | 5, 782          | 4, 621              | 1, 445, 681         | 2, 093              | 1, 312              | 879, 262              | 87, 313          | 47, 234          | 29, 467             | 4, 681              | 5, 931              | 3. 3             | 14. 08              | 3. 67              | 1. 3                          | 44, 427         | 151              |  |
| 1934                                                    | 5, 803          | 4, 167              | 1, 302, 786         | 1, 889              | 1, 103              | 947, 099              | 111, 925         | 48, 409          | 39, 513             | 7, 513              | 10, 490             | 3. 7             | 20. 92              | 6. 81              | 3. 4                          | 23, 189         | 74               |  |
| 1935                                                    | 4, 282          | 3, 550              | 1, 108, 582         | 1, 614              | 913                 | 965, 540              | 177, 738         | 91, 849          | 64, 023             | 10, 260             | 21, 606             | 8. 3             | 33. 46              | 11. 24             | 4. 3                          | 5, 495          | 3                |  |
| Alabama                                                 | 423             | 281                 | 93, 027             | 123                 | 75                  | 64, 362               | 13, 726          | 7, 647           | 3, 849              | 817                 | 1, 413              | 8. 2             | 31. 36              | 10. 82             | 4. 2                          |                 |                  |  |
| Arkansas                                                | 389             | 290                 | 85, 914             | 130                 | 73                  | 90, 683               | 14, 795          | 7, 451           | 4, 420              | 788                 | 2, 136              | 8. 4             | 34. 00              | 10. 73             | 4. 5                          |                 |                  |  |
| California                                              | 115             | 103                 | 33, 286             | 50                  | 25                  | 28, 207               | 5, 279           | 2, 962           | 1, 445              | 232                 | 640                 | 8. 9             | 29. 13              | 9. 16              | 4. 4                          |                 |                  |  |
| Georgia                                                 | 431             | 428                 | 137, 663            | 192                 | 112                 | 105, 034              | 21, 147          | 11, 495          | 5, 974              | 1, 379              | 2, 299              | 8. 4             | 31. 12              | 12. 32             | 4. 2                          |                 |                  |  |
| Louisiana                                               | 215             | 161                 | 50, 229             | 71                  | 42                  | 45, 408               | 7, 838           | 3, 868           | 2, 440              | 481                 | 1, 049              | 7. 7             | 34. 36              | 11. 56             | 4. 5                          |                 |                  |  |
| Mississippi                                             | 508             | 488                 | 161, 328            | 209                 | 128                 | 158, 347              | 25, 071          | 13, 390          | 6, 627              | 1, 269              | 3, 785              | 8. 3             | 31. 78              | 9. 89              | 4. 6                          |                 |                  |  |
| North Carolina                                          | 280             | 240                 | 70, 606             | 113                 | 56                  | 61, 331               | 12, 369          | 6, 663           | 3, 700              | 646                 | 1, 360              | 8. 4             | 32. 84              | 11. 58             | 4. 3                          |                 |                  |  |
| Oklahoma                                                | 141             | 114                 | 31, 910             | 55                  | 29                  | 30, 368               | 5, 772           | 2, 658           | 2, 108              | 340                 | 866                 | 8. 3             | 38. 37              | 11. 74             | 4. 2                          |                 |                  |  |
| South Carolina                                          | 303             | 196                 | 61, 279             | 92                  | 45                  | 50, 784               | 9, 630           | 5, 025           | 2, 929              | 555                 | 1, 121              | 8. 2             | 31. 98              | 12. 24             | 4. 3                          |                 |                  |  |
| Tennessee                                               | 180             | 303                 | 96, 333             | 135                 | 76                  | 91, 116               | 15, 336          | 8, 487           | 4, 205              | 689                 | 1, 956              | 8. 8             | 31. 11              | 9. 03              | 4. 1                          |                 |                  |  |
| Texas                                                   | 1, 072          | 823                 | 236, 614            | 390                 | 219                 | 206, 800              | 40, 710          | 19, 071          | 14, 430             | 2, 779              | 4, 430              | 8. 1             | 37. 04              | 12. 70             | 4. 1                          |                 |                  |  |
| All other States                                        | 226             | 123                 | 38, 392             | 57                  | 32                  | 33, 310               | 6, 065           | 3, 132           | 1, 896              | 285                 | 752                 | 8. 2             | 33. 49              | 9. 02              | 4. 3                          |                 |                  |  |

<sup>1</sup> Of 500 pounds net.

<sup>2</sup> Based on gross weight of bale.

<sup>3</sup> Figures for 1900.

<sup>4</sup> Six-year average, 1895-1900.

Source: Bureau of the Census, Department of Commerce.

COTTONSEED

663

## No. 654.—EXPORTS OF UNITED STATES COTTON (INCLUDING LINTERS):

| Yearly average or year <sup>1</sup> | Total value (thousands of dollars) | Quantity in thousands of bales, exported to <sup>2</sup> — |              |                |         |        |       |       |         |                     |        |        |        |
|-------------------------------------|------------------------------------|------------------------------------------------------------|--------------|----------------|---------|--------|-------|-------|---------|---------------------|--------|--------|--------|
|                                     |                                    | All countries                                              | Total Europe | United Kingdom | Germany | France | Italy | Spain | Belgium | Russia <sup>4</sup> | China  | Japan  | Canada |
| 1866-1875                           | 205, 286                           | 1, 983                                                     | 1, 972       | 1, 433         | 142     | 227    | 17    | 56    | 11      | 53                  | -----  | -----  | 4      |
| 1876-1885                           | 200, 146                           | 3, 594                                                     | 3, 553       | 2, 311         | 336     | 421    | 54    | 125   | 28      | 202                 | -----  | -----  | 21     |
| 1886-1895                           | 227, 678                           | 5, 121                                                     | 5, 020       | 2, 951         | 844     | 536    | 162   | 192   | 120     | 148                 | -----  | 8      | 64     |
| 1896-1900                           | 220, 557                           | 6, 465                                                     | 6, 163       | 2, 968         | 1, 523  | 715    | 367   | 239   | 122     | 86                  | 5      | 167    | 96     |
| 1901-1905                           | 334, 256                           | 7, 097                                                     | 6, 769       | 3, 096         | 1, 812  | 778    | 431   | 251   | 139     | 121                 | 3      | 158    | 113    |
| 1906-1910                           | 437, 582                           | 7, 850                                                     | 7, 508       | 3, 243         | 2, 180  | 956    | 486   | 252   | 130     | 99                  | (9)    | 183    | 133    |
| 1911-1915                           | 537, 044                           | 9, 318                                                     | 8, 706       | 3, 804         | 2, 196  | 1, 031 | 648   | 327   | 164     | 91                  | 16     | 363    | 165    |
| 1916-1920                           | 765, 515                           | 5, 920                                                     | 4, 972       | 2, 796         | 1, 421  | 795    | 614   | 310   | 56      | 48                  | 9      | 661    | 211    |
| 1921-1925                           | 757, 255                           | 6, 082                                                     | 5, 132       | 1, 800         | 1, 204  | 718    | 567   | 261   | 172     | 89                  | 53     | 699    | 174    |
| 1926-1930                           | 820, 763                           | 8, 251                                                     | 6, 527       | 1, 857         | 1, 970  | 871    | 716   | 297   | 209     | 321                 | 193    | 1, 206 | 232    |
| 1931-1935                           | 370, 140                           | 7, 244                                                     | 4, 718       | 1, 181         | 1, 344  | 665    | 611   | 277   | 135     | 47                  | 465    | 1, 727 | 210    |
| 1924                                | 906, 566                           | 5, 656                                                     | 4, 036       | 1, 704         | 1, 190  | 704    | 546   | 204   | 154     | 185                 | 27     | 544    | 145    |
| 1925                                | 1, 049, 066                        | 8, 005                                                     | 6, 896       | 2, 527         | 1, 734  | 888    | 726   | 271   | 208     | 253                 | 38     | 862    | 198    |
| 1926                                | 922, 737                           | 8, 051                                                     | 6, 646       | 2, 257         | 1, 642  | 903    | 745   | 305   | 200     | 233                 | 114    | 1, 125 | 241    |
| 1927                                | 855, 788                           | 10, 927                                                    | 8, 468       | 2, 530         | 2, 738  | 999    | 779   | 339   | 274     | 501                 | 272    | 1, 610 | 260    |
| 1928                                | 820, 105                           | 7, 642                                                     | 6, 170       | 1, 411         | 1, 988  | 865    | 687   | 305   | 202     | 424                 | 118    | 969    | 223    |
| 1929                                | 847, 409                           | 8, 044                                                     | 6, 212       | 1, 831         | 1, 707  | 775    | 717   | 273   | 202     | 318                 | 236    | 1, 309 | 254    |
| 1930                                | 657, 727                           | 6, 690                                                     | 5, 240       | 1, 256         | 1, 087  | 812    | 652   | 260   | 170     | 129                 | 226    | 1, 020 | 182    |
| 1931                                | 420, 972                           | 6, 780                                                     | 4, 793       | 1, 054         | 1, 640  | 914    | 477   | 251   | 138     | 30                  | 429    | 1, 228 | 190    |
| 1932                                | 339, 940                           | 8, 708                                                     | 4, 894       | 1, 342         | 1, 570  | 463    | 649   | 306   | 133     | -----               | 1, 112 | 2, 294 | 187    |
| 1933                                | 424, 699                           | 8, 419                                                     | 6, 073       | 1, 491         | 1, 849  | 864    | 804   | 313   | 186     | 43                  | 301    | 1, 743 | 176    |
| 1934                                | 421, 406                           | 7, 534                                                     | 4, 987       | 1, 278         | 1, 318  | 709    | 649   | 275   | 121     | 50                  | 375    | 1, 846 | 270    |
| 1935                                | 325, 685                           | 4, 780                                                     | 2, 866       | 738            | 842     | 373    | 474   | 240   | 97      | 111                 | 108    | 1, 524 | 225    |
| 1936                                | 383, 537                           | 5, 973                                                     | 4, 150       | 1, 410         | 765     | 681    | 380   | 207   | 157     | (9)                 | 36     | 1, 479 | 248    |

<sup>1</sup> Linters excluded beginning 1921.<sup>2</sup> Years ended June 30 prior to 1926; July 31 thereafter.<sup>3</sup> In 500-pound bales prior to 1923; running bales thereafter.<sup>4</sup> Includes Finland, Estonia, Latvia, and Poland prior to 1919.<sup>5</sup> Average, 1891-1895.<sup>6</sup> Less than 500.<sup>7</sup> One year only, 1920.

## No. 655.—COFFEE: IMPORTS AND REEXPORTS

NOTE.—Imports and reexports in thousands of pounds. Years ended Sept. 30, 1890 and 1840, and June 30, 1850 to 1918; thereafter, calendar years. Imports represent imports from foreign countries and from territories and possessions into continental United States, and reexports represent exports from continental United States to foreign countries and outlying territories and possessions. Figures represent mostly green coffee

| Yearly average or year | Imports     | Reexports | Net imports per capita, pounds | Average import price per pound, cents | Year          | Imports     | Reexports | Net imports per capita, pounds | Average import price per pound, cents |
|------------------------|-------------|-----------|--------------------------------|---------------------------------------|---------------|-------------|-----------|--------------------------------|---------------------------------------|
| 1830                   | 51, 488     | 13, 125   | 2.99                           | 8.2                                   | 1906          | 853, 800    | 10, 133   | 9.72                           | 8.6                                   |
| 1840                   | 94, 996     | 8, 698    | 5.04                           | 9.0                                   | 1907          | 986, 596    | 11, 627   | 11.15                          | 7.9                                   |
| 1850                   | 145, 278    | 15, 481   | 5.58                           | 7.7                                   | 1908          | 892, 092    | 17, 111   | 9.82                           | 7.6                                   |
| 1851-1890              | 203, 190    | 14, 710   | 6.78                           | 9.0                                   | 1909          | 1, 051, 750 | 15, 188   | 11.43                          | 7.5                                   |
| 1891-1870              | 173, 290    | 8, 229    | 4.66                           | 10.8                                  | 1910          | 873, 984    | 13, 669   | 9.33                           | 8.0                                   |
| 1871-1880              | 331, 925    | 7, 911    | 7.19                           | 14.7                                  | 1911          | 878, 322    | 8, 371    | 9.29                           | 10.4                                  |
| 1881-1890              | 513, 039    | 24, 725   | 8.52                           | 10.8                                  | 1912          | 887, 748    | 7, 200    | 9.26                           | 13.3                                  |
| 1891-1895              | 535, 270    | 8, 792    | 8.61                           | 16.8                                  | 1913          | 866, 054    | 7, 135    | 8.90                           | 13.8                                  |
| 1896-1900              | 735, 715    | 21, 319   | 10.07                          | 8.9                                   | 1914          | 1, 006, 362 | 13, 811   | 10.14                          | 11.1                                  |
| 1901-1905              | 931, 464    | 40, 400   | 11.65                          | 7.1                                   | 1915          | 1, 126, 042 | 70, 953   | 10.62                          | 9.6                                   |
| 1906-1910              | 931, 644    | 15, 325   | 10.29                          | 7.9                                   | 1916          | 1, 203, 841 | 75, 818   | 11.20                          | 9.6                                   |
| 1911-1915              | 952, 906    | 21, 494   | 9.65                           | 11.5                                  | 1917          | 1, 322, 059 | 57, 503   | 12.38                          | 10.1                                  |
| 1916-1920              | 1, 227, 523 | 67, 347   | 11.20                          | 13.5                                  | 1918 (6 mos.) | 1, 145, 956 | 65, 598   | 10.43                          | 9.0                                   |
| 1921-1925              | 1, 343, 579 | 35, 268   | 11.73                          | 15.4                                  | 1919          | 438, 472    | 23, 621   | -----                          | 10.0                                  |
| 1926-1930              | 1, 497, 291 | 24, 222   | 12.30                          | 18.9                                  | 1920          | 1, 341, 806 | 93, 021   | 11.89                          | 10.5                                  |
| 1931-1935              | 1, 628, 316 | 16, 520   | 12.79                          | 8.7                                   | 1921          | 1, 289, 743 | 54, 840   | 11.65                          | 18.5                                  |
| 1891                   | 519, 528    | 8, 487    | 7.94                           | 18.5                                  | 1922          | 1, 345, 867 | 41, 821   | 12.05                          | 10.7                                  |
| 1892                   | 640, 211    | 10, 659   | 9.69                           | 20.0                                  | 1923          | 1, 248, 938 | 35, 676   | 11.04                          | 12.9                                  |
| 1893                   | 563, 469    | 3, 865    | 8.23                           | 14.3                                  | 1924          | 1, 412, 233 | 31, 999   | 12.38                          | 13.6                                  |
| 1894                   | 550, 034    | 3, 865    | 8.01                           | 16.4                                  | 1925          | 1, 423, 753 | 39, 213   | 12.23                          | 17.5                                  |
| 1895                   | 652, 209    | 8, 993    | 9.24                           | 14.7                                  | 1926          | 1, 287, 601 | 27, 833   | 10.97                          | 22.3                                  |
| 1896                   | 580, 568    | 7, 928    | 8.08                           | 14.6                                  | 1927          | 1, 496, 617 | 26, 622   | 12.61                          | 21.6                                  |
| 1897                   | 737, 646    | 13, 086   | 10.64                          | 11.1                                  | 1928          | 1, 444, 124 | 24, 029   | 12.01                          | 18.5                                  |
| 1898                   | 870, 514    | 18, 323   | 11.59                          | 7.5                                   | 1929          | 1, 460, 860 | 19, 318   | 12.03                          | 21.3                                  |
| 1899                   | 831, 827    | 30, 070   | 10.72                          | 8.6                                   | 1930          | 1, 486, 253 | 16, 998   | 12.09                          | 20.4                                  |
| 1900                   | 787, 992    | 39, 191   | 9.84                           | 8.7                                   | 1931          | 1, 604, 701 | 34, 138   | 12.76                          | 13.1                                  |
| 1901                   | 857, 018    | 45, 835   | 10.43                          | 7.4                                   | 1932          | 1, 749, 158 | 19, 879   | 13.98                          | 10.1                                  |
| 1902                   | 1, 092, 344 | 35, 125   | 13.32                          | 6.5                                   | 1933          | 1, 508, 019 | 23, 074   | 11.85                          | 9.1                                   |
| 1903                   | 923, 254    | 48, 849   | 10.80                          | 6.6                                   | 1934          | 1, 582, 006 | 18, 859   | 12.51                          | 7.9                                   |
| 1904                   | 998, 677    | 35, 102   | 11.67                          | 7.0                                   | 1935          | 1, 531, 136 | 19, 039   | 11.94                          | 8.5                                   |
| 1905                   | 1, 046, 028 | 37, 087   | 11.98                          | 8.1                                   |               | 1, 761, 262 | 16, 719   | 13.68                          | 7.8                                   |

<sup>1</sup> Overvalued, due to depreciation of Brazilian paper milreis. <sup>2</sup> Average, July 1, 1915, to Dec. 31, 1920.

Source of tables 654 and 655: Bureau of Foreign and Domestic Commerce

## No. 656.—TEA: NET IMPORTS

NOTE.—Quantity, except per capita, in thousands of pounds; value in thousands of dollars; per capita in pounds. Years ended June 30 through 1918; thereafter, calendar years. Beginning 1919, data relate to trade of continental United States only (see headnote, table 655) prior to that time the small trade between the United States and noncontiguous territories is not included

| Yearly average or year | Quantity | Value   | Per capita | Yearly average or year  | Quantity | Value   | Per capita | Year      | Quantity | Value   | Per capita |
|------------------------|----------|---------|------------|-------------------------|----------|---------|------------|-----------|----------|---------|------------|
| 1890-----              | 6, 873   | 1, 532  | 0.64       | 1916-1920 <sup>1</sup>  | 106, 988 | 22, 528 | 1.03       | 1924----- | 90, 496  | 26, 608 | 0.80       |
| 1840-----              | 16, 888  | 4, 067  | .99        | 1921-1925----           | 92, 230  | 24, 658 | .83        | 1925----- | 99, 567  | 30, 957 | .87        |
| 1850-----              | 28, 200  | 3, 982  | 1.21       | 1926-1930----           | 88, 656  | 26, 604 | .74        | 1926----- | 94, 512  | 30, 865 | .81        |
| 1851-1890----          | 21, 028  | 5, 861  | .76        | 1931-1935----           | 86, 892  | 15, 359 | .69        | 1927----- | 87, 896  | 27, 691 | .74        |
| 1861-1870----          | 32, 394  | 8, 969  | .91        | 1917-----               | 102, 739 | 19, 068 | 1.01       | 1928----- | 88, 843  | 26, 815 | .74        |
| 1871-1880----          | 69, 536  | 18, 550 | 1.82       | 1918-----               | 147, 879 | 20, 469 | 1.42       | 1929----- | 89, 247  | 25, 444 | .73        |
| 1881-1890----          | 70, 534  | 16, 071 | 1.34       | 1918 <sup>1</sup> ----- | 76, 365  | 16, 461 | —          | 1930----- | 83, 773  | 22, 214 | .68        |
| 1891-1895----          | 89, 675  | 13, 689 | 1.34       | 1919-----               | 65, 074  | 15, 056 | .62        | 1931----- | 85, 507  | 18, 455 | .69        |
| 1896-1900----          | 86, 217  | 11, 357 | 1.17       | 1920-----               | 87, 801  | 23, 408 | .83        | 1932----- | 93, 857  | 12, 225 | .75        |
| 1901-1905----          | 95, 814  | 13, 849 | 1.18       | 1921-----               | 75, 002  | 13, 797 | .69        | 1933----- | 95, 705  | 13, 485 | .76        |
| 1906-1910----          | 93, 595  | 15, 211 | 1.05       | 1922-----               | 93, 928  | 23, 067 | .85        | 1934----- | 73, 979  | 15, 776 | .68        |
| 1911-1915----          | 95, 237  | 17, 189 | .99        | 1923-----               | 102, 157 | 28, 860 | .92        | 1935----- | 85, 110  | 16, 854 | .67        |

<sup>1</sup> Average for period July 1, 1915, to Dec. 31, 1920.<sup>2</sup> June 30 to Dec. 31, 1918.

## No. 657.—COCOA AND CHOCOLATE: IMPORTS

[Quantity in thousands of pounds; value in thousands of dollars. Figures represent general imports through 1932; imports for consumption thereafter]

| Yearly average or year <sup>1</sup> | Cocoa or cacao beans and chocolate <sup>2</sup> |         | Year <sup>1</sup> | Cocoa or cacao beans and chocolate <sup>2</sup> |         | Year <sup>1</sup> | Cocoa or cacao beans and chocolate <sup>2</sup> |         |
|-------------------------------------|-------------------------------------------------|---------|-------------------|-------------------------------------------------|---------|-------------------|-------------------------------------------------|---------|
|                                     | Quantity                                        | Value   |                   | Quantity                                        | Value   |                   | Quantity                                        | Value   |
| 1871-1880 <sup>1</sup>              | 5, 132                                          | 708     | 1912-----         | 148, 786                                        | 16, 590 | 1924-----         | 382, 029                                        | 30, 152 |
| 1881-1890----                       | 13, 504                                         | 1, 891  | 1913-----         | 143, 510                                        | 18, 177 | 1925-----         | 387, 108                                        | 39, 412 |
| 1891-1900----                       | 29, 408                                         | 4, 120  | 1914-----         | 179, 364                                        | 21, 504 | 1926-----         | 433, 117                                        | 44, 227 |
| 1901-1905----                       | 63, 600                                         | 8, 260  | 1915-----         | 194, 734                                        | 23, 478 | 1927-----         | 431, 049                                        | 58, 291 |
| 1906-1910----                       | 102, 304                                        | 13, 418 | 1916-----         | 244, 911                                        | 34, 602 | 1928-----         | 398, 635                                        | 40, 216 |
| 1911-1915----                       | 161, 473                                        | 19, 002 | 1917-----         | 390, 838                                        | 41, 674 | 1929-----         | 515, 571                                        | 51, 271 |
| 1916-1920----                       | 346, 583                                        | 45, 480 | 1918-----         | 360, 015                                        | 37, 972 | 1930-----         | 378, 320                                        | 32, 214 |
| 1921-1925----                       | 367, 907                                        | 32, 019 | 1919-----         | 302, 365                                        | 58, 342 | 1931-----         | 426, 260                                        | 23, 853 |
| 1926-1930----                       | 429, 338                                        | 47, 044 | 1920-----         | 344, 986                                        | 54, 811 | 1932-----         | 483, 490                                        | 20, 093 |
| 1931-1935----                       | 487, 401                                        | 21, 051 | 1921-----         | 306, 563                                        | 23, 566 | 1933-----         | 478, 800                                        | 19, 104 |
| 1910-----                           | 111, 070                                        | 11, 966 | 1922-----         | 347, 010                                        | 32, 571 | 1934-----         | 444, 792                                        | 19, 762 |
| 1911-----                           | 140, 970                                        | 15, 261 | 1923-----         | 416, 818                                        | 34, 396 | 1935-----         | 609, 665                                        | 26, 952 |

<sup>1</sup> Fiscal years through 1915; calendar years thereafter.<sup>2</sup> Includes prepared except confectionery.<sup>3</sup> Includes 3-year average for quantity of chocolate and 9-year average for its value.

## No. 658.—SILK AND SILK MANUFACTURES: FOREIGN TRADE

[Quantity in thousands of pounds; value, except average price per pound, in thousands of dollars]

| Yearly average or year <sup>1</sup> | Unmanufactured silk, imports <sup>2</sup> |          |                         | Silk manufactures, value |                                | Year <sup>1</sup> | Unmanufactured silk, imports <sup>2</sup> |          |                         | Silk manufactures, value |                                |
|-------------------------------------|-------------------------------------------|----------|-------------------------|--------------------------|--------------------------------|-------------------|-------------------------------------------|----------|-------------------------|--------------------------|--------------------------------|
|                                     | Quantity                                  | Value    | Average price per pound | Imports <sup>3</sup>     | Exports (excluding re-exports) |                   | Quantity                                  | Value    | Average price per pound | Imports <sup>3</sup>     | Exports (excluding re-exports) |
| 1871-1880----                       | 41, 340                                   | 46, 890  | \$4.77                  | 27, 063                  | 53                             | 1917-----         | 43, 428                                   | 186, 753 | \$4.37                  | 39, 763                  | 8, 608                         |
| 1881-1890----                       | 5, 328                                    | 16, 775  | 3.15                    | 34, 162                  | 89                             | 1918-----         | 45, 721                                   | 164, 190 | 3.99                    | 28, 569                  | 17, 982                        |
| 1891-1900----                       | 9, 259                                    | 26, 848  | 2.90                    | 23, 776                  | 268                            | 1919-----         | 55, 522                                   | 341, 887 | 6.16                    | 54, 746                  | 23, 908                        |
| 1901-1905----                       | 16, 798                                   | 45, 968  | 2.91                    | 32, 216                  | 425                            | 1920-----         | 39, 860                                   | 301, 038 | 7.59                    | 76, 419                  | 26, 821                        |
| 1906-1910----                       | 20, 281                                   | 67, 414  | 3.32                    | 33, 725                  | 835                            | 1921-----         | 62, 332                                   | 264, 723 | 4.26                    | 48, 276                  | 9, 672                         |
| 1911-1915----                       | 30, 190                                   | 82, 703  | 2.74                    | 28, 309                  | 2, 210                         | 1922-----         | 68, 467                                   | 371, 629 | 5.40                    | 37, 413                  | 11, 824                        |
| 1916-1920----                       | 45, 641                                   | 235, 332 | 5.16                    | 47, 121                  | 16, 735                        | 1923-----         | 61, 954                                   | 401, 655 | 6.48                    | 44, 597                  | 17, 135                        |
| 1921-1925----                       | 62, 030                                   | 356, 287 | 5.74                    | 40, 941                  | 12, 992                        | 1924-----         | 60, 803                                   | 335, 041 | 5.53                    | 37, 699                  | 14, 148                        |
| 1926-1930----                       | 86, 458                                   | 374, 715 | 4.33                    | 36, 383                  | 17, 393                        | 1925-----         | 76, 796                                   | 408, 386 | 5.32                    | 36, 719                  | 15, 182                        |
| 1931-1935----                       | 74, 569                                   | 115, 883 | 1.55                    | 8, 595                   | 5, 954                         | 1926-----         | 77, 060                                   | 402, 676 | 5.18                    | 40, 570                  | 17, 788                        |
| 1908-----                           | 16, 662                                   | 64, 647  | 3.87                    | 32, 968                  | 770                            | 1927-----         | 86, 344                                   | 399, 088 | 4.62                    | 42, 234                  | 15, 298                        |
| 1909-----                           | 25, 138                                   | 79, 904  | 3.17                    | 30, 719                  | 926                            | 1928-----         | 88, 289                                   | 373, 331 | 4.23                    | 41, 388                  | 18, 848                        |
| 1910-----                           | 23, 457                                   | 67, 130  | 2.86                    | 32, 898                  | 1, 102                         | 1929-----         | 98, 016                                   | 432, 340 | 4.41                    | 39, 937                  | 20, 388                        |
| 1911-----                           | 20, 696                                   | 74, 998  | 2.81                    | 28, 864                  | 1, 569                         | 1930-----         | 81, 094                                   | 265, 138 | 3.25                    | 18, 687                  | 14, 242                        |
| 1912-----                           | 26, 585                                   | 69, 642  | 2.62                    | 24, 601                  | 2, 009                         | 1931-----         | 89, 448                                   | 192, 283 | 2.15                    | 16, 925                  | 9, 565                         |
| 1913-----                           | 32, 102                                   | 84, 816  | 2.65                    | 27, 590                  | 2, 401                         | 1932-----         | 77, 586                                   | 141, 325 | 1.47                    | 5, 933                   | 4, 547                         |
| 1914-----                           | 34, 546                                   | 100, 980 | 2.92                    | 35, 458                  | 2, 316                         | 1933-----         | 73, 005                                   | 108, 056 | 1.42                    | 6, 220                   | 4, 878                         |
| 1915-----                           | 31, 053                                   | 83, 131  | 2.68                    | 26, 050                  | 2, 754                         | 1934-----         | 60, 447                                   | 72, 528  | 1.20                    | 6, 683                   | 5, 176                         |
| 1916-----                           | 40, 872                                   | 149, 785 | 3.66                    | 37, 110                  | 6, 363                         | 1935-----         | 72, 361                                   | 96, 679  | 1.34                    | 7, 503                   | 5, 605                         |

<sup>1</sup> Fiscal years through 1915; calendar years thereafter.<sup>2</sup> Includes artificial silk prior to 1911.<sup>3</sup> General imports through 1932; imports for consumption thereafter.<sup>4</sup> Raw silk.

Source of tables 656, 657, and 658: Bureau of Foreign and Domestic Commerce.



# No. 659.—EXPORTS (EXCLUDING REEXPORTS) AND IMPORTS OF CORN, RICE, FLAXSEED, AND TOBACCO

[Corn and flaxseed in thousands of bushels of 56 pounds; rice and tobacco in thousands of pounds]

| Yearly average or year ended June 30— | Corn <sup>1</sup>    |                      | Rice <sup>2</sup>    |                      | Flaxseed             |                      | Unmanufactured tobacco |                       |
|---------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------------|-----------------------|
|                                       | Exports <sup>3</sup> | Imports <sup>4</sup> | Exports <sup>5</sup> | Imports <sup>6</sup> | Exports <sup>7</sup> | Imports <sup>8</sup> | Exports <sup>9</sup>   | Imports <sup>10</sup> |
| 1852-1856.....                        | 7,123                | -----                | 50,615               | -----                | 11                   | 1,133                | 140,184                | 5,044                 |
| 1857-1861.....                        | 6,568                | 548                  | 65,732               | -----                | 7                    | 2,730                | 167,711                | 7,154                 |
| 1862-1866.....                        | 12,060               | 56                   | 2,258                | 70,898               | 16                   | 1,037                | 140,208                | 4,132                 |
| 1867-1871.....                        | 9,924                | 75                   | 1,857                | 52,954               | ( <sup>7</sup> )     | 2,018                | 184,754                | 5,831                 |
| 1872-1876.....                        | 38,561               | 57                   | 891                  | 72,526               | ( <sup>7</sup> )     | 2,915                | 241,848                | 8,880                 |
| 1877-1881.....                        | 88,190               | 42                   | 602                  | 62,615               | ( <sup>7</sup> )     | 1,224                | 266,315                | 7,871                 |
| 1882-1886.....                        | 49,902               | 24                   | 567                  | 99,871               | ( <sup>7</sup> )     | 1,541                | 237,042                | 13,672                |
| 1887-1891.....                        | 54,606               | 15                   | 3,210                | 156,869              | 10 66                | 1,833                | 259,248                | 21,640                |
| 1892-1896.....                        | 63,980               | 8                    | 10,278               | 160,808              | 1,516                | 1,182                | 281,746                | 25,871                |
| 1897-1901.....                        | 192,531              | 4                    | 18,407               | 166,232              | 2,660                | 404                  | 304,402                | 10,958                |
| 1902-1906.....                        | 74,615               | 20                   | 45,978               | 150,914              | 2,950                | 234                  | 325,539                | 39,805                |
| 1907-1911.....                        | 56,568               | 92                   | 27,195               | 215,892              | 2,313                | 3,240                | 334,396                | 42,822                |
| 1912-1916.....                        | 38,774               | 5,688                | 60,043               | 248,775              | 67                   | 9,227                | 408,006                | 55,566                |
| 1917-1921.....                        | 45,296               | 4,950                | 269,021              | 262,614              | 13                   | 14,750               | 490,024                | 74,595                |
| 1922-1926.....                        | 66,750               | 1,148                | 260,030              | 74,178               | ( <sup>7</sup> )     | 18,198               | 490,665                | 68,470                |
| 1927-1931.....                        | 18,941               | 1,850                | 315,474              | 43,734               | ( <sup>7</sup> )     | 18,050               | 552,707                | 78,384                |
| 1932-1936.....                        | 4,170                | 10,507               | 154,457              | 41,448               | ( <sup>7</sup> )     | 13,357               | 418,189                | 61,169                |
| 1937-1941.....                        | 10,282               | 496                  | 280,532              | 31,212               | ( <sup>7</sup> )     | 10,652               | 600,181                | 63,183                |
| 1942-1946.....                        | 8,317                | 1,747                | 281,005              | 35,507               | ( <sup>7</sup> )     | 7,813                | 501,034                | 75,420                |
| 1947-1951.....                        | 3,960                | 386                  | 274,718              | 20,484               | ( <sup>7</sup> )     | 13,850               | 432,362                | 73,370                |
| 1952-1956.....                        | 8,775                | 195                  | 182,238              | 16,040               | ( <sup>7</sup> )     | 6,312                | 399,967                | 50,444                |
| 1957-1961.....                        | 4,965                | 244                  | 104,131              | 38,837               | ( <sup>7</sup> )     | 17,901               | 472,630                | 55,701                |
| 1962-1966.....                        | 2,325                | 20,427               | 124,764              | 72,812               | ( <sup>7</sup> )     | 15,332               | 353,347                | 58,227                |
| 1967-1971.....                        | 810                  | 31,284               | 86,438               | 58,467               | ( <sup>7</sup> )     | 15,388               | 432,630                | 67,895                |

<sup>1</sup> Exports include meal in terms of grain (4 bushels of corn to 1 barrel of meal).

<sup>2</sup> Includes flour, meal, etc. <sup>3</sup> Excluding reexports.

<sup>4</sup> Imports for consumption, beginning 1933; general imports prior thereto.

<sup>5</sup> 1858-1861; no data for 1857.

<sup>6</sup> 1857 only; not reported 1858-1861. <sup>7</sup> Less than 500. <sup>8</sup> 1867 and 1868; not reported 1869-1871.

<sup>9</sup> Not reported separately. <sup>10</sup> 3-year average; not shown separately for other years.

Source: Bureau of Foreign and Domestic Commerce.

# No. 660.—WHEAT: SUPPLY, DISTRIBUTION, AND DISAPPEARANCE FOR FOOD, FEED, AND WASTE IN CONTINENTAL UNITED STATES

[All figures except per capita in thousands of bushels (number of pounds to a bushel, 60)]

| Item                                                                                              | Year beginning July 1— |                    |           |           |           |         |         |         |
|---------------------------------------------------------------------------------------------------|------------------------|--------------------|-----------|-----------|-----------|---------|---------|---------|
|                                                                                                   | 1926-1930, average     | 1931-1935, average | 1930      | 1931      | 1932      | 1933    | 1934    | 1935    |
| Supply, total.....                                                                                | 1,046,715              | 998,466            | 1,190,409 | 1,262,626 | 1,142,177 | 945,816 | 828,856 | 812,806 |
| Stocks, July 1, wheat and flour.....                                                              | 180,296                | 309,621            | 303,585   | 325,788   | 385,240   | 393,980 | 288,394 | 154,702 |
| On farms.....                                                                                     | 35,724                 | 64,210             | 60,216    | 37,867    | 93,448    | 82,882  | 62,516  | 44,330  |
| In country elevators and mills.....                                                               | 34,453                 | 43,216             | 60,166    | 30,252    | 41,585    | 64,206  | 48,150  | 31,790  |
| Commercial stocks <sup>1</sup> .....                                                              | 57,844                 | 110,717            | 109,327   | 203,967   | 166,406   | 123,712 | 80,548  | 21,951  |
| In merchant mills and elevators and stored for others <sup>2</sup> .....                          | 40,182                 | 70,511             | 59,170    | 41,206    | 71,714    | 107,052 | 83,114  | 49,471  |
| In transit to merchant mills.....                                                                 | 12,092                 | 11,966             | 14,706    | 12,496    | 10,088    | 16,038  | 14,066  | 7,142   |
| New crop.....                                                                                     | 866,266                | 679,056            | 886,470   | 936,831   | 759,927   | 551,683 | 526,393 | 623,444 |
| Imports, flour included.....                                                                      | 153                    | 9,780              | 354       | 7         | 10        | 153     | 14,069  | 34,060  |
| Accounted for distribution, total.....                                                            | 468,385                | 395,602            | 522,126   | 590,992   | 512,504   | 388,474 | 243,492 | 242,547 |
| Exports, flour included.....                                                                      | 158,248                | 39,020             | 112,428   | 122,897   | 31,866    | 25,508  | 10,531  | 4,207   |
| Shipments to Alaska, Hawaii, Puerto Rico, and Virgin Islands, (flour included) <sup>3</sup> ..... | 2,956                  | 2,850              | 2,850     | 2,757     | 3,023     | 2,770   | 2,783   | 2,008   |
| Seed requirements.....                                                                            | 85,210                 | 79,182             | 81,060    | 80,098    | 83,635    | 71,703  | 75,476  | 85,000  |
| Carry-over at end of year (June 30) <sup>4</sup> .....                                            | 221,971                | 274,560            | 325,788   | 385,240   | 393,980   | 288,304 | 154,702 | 150,432 |
| Disappearance for food, feed, and loss.....                                                       | 578,331                | 602,854            | 668,288   | 671,634   | 629,673   | 557,342 | 585,364 | 570,259 |
| Per capita (bushels).....                                                                         | 4.79                   | 4.78               | 5.40      | 5.30      | 5.02      | 4.42    | 4.60    | 4.46    |

<sup>1</sup> From Bradstreet's visible supply through 1929-1930; thereafter, Bureau of Agricultural Economics.

<sup>2</sup> Stocks stored for others included beginning July 1, 1930.

<sup>3</sup> Virgin Islands included with domestic exports prior to Jan. 1, 1935.

<sup>4</sup> Estimated.

<sup>5</sup> For individual items, see stocks, July 1, above.

Source: Compiled from various sources by Bureau of Agricultural Economics, Department of Agriculture.

## No. 661.—EXPORTS (EXCLUDING REEXPORTS) AND IMPORTS OF WHEAT

NOTE.—Number of pounds to a bushel of wheat, 60; to a barrel of wheat flour, 196

| Yearly average<br>or year ended<br>June 30— | Exports (excl. reexports) |                          |                                    | Imports—<br>wheat<br>and<br>flour <sup>1,2</sup> | Year ended<br>June 30— | Exports (excl. reexports) |                          |                                    | Imports—<br>wheat<br>and<br>flour <sup>1,2</sup> |
|---------------------------------------------|---------------------------|--------------------------|------------------------------------|--------------------------------------------------|------------------------|---------------------------|--------------------------|------------------------------------|--------------------------------------------------|
|                                             | Wheat<br>(grain)          | Wheat<br>flour           | Wheat<br>and<br>flour <sup>1</sup> |                                                  |                        | Wheat<br>(grain)          | Wheat<br>flour           | Wheat<br>and<br>flour <sup>1</sup> |                                                  |
|                                             | <i>1,000<br/>bushels</i>  | <i>1,000<br/>barrels</i> | <i>1,000<br/>bushels</i>           | <i>1,000<br/>bushels</i>                         |                        | <i>1,000<br/>bushels</i>  | <i>1,000<br/>barrels</i> | <i>1,000<br/>bushels</i>           | <i>1,000<br/>bushels</i>                         |
| 1852-1856                                   | 4, 715                    | 2, 892                   | 10, 173                            | 4, 178                                           | 1920                   | 122, 431                  | 21, 662                  | 219, 865                           | 5, 496                                           |
| 1857-1861                                   | 12, 778                   | 3, 318                   | 28, 970                            | 6, 979                                           | 1921                   | 293, 298                  | 10, 180                  | 366, 077                           | 57, 398                                          |
| 1862-1866                                   | 22, 530                   | 3, 531                   | 40, 154                            | 4, 728                                           | 1922                   | 208, 321                  | 15, 797                  | 282, 566                           | 17, 376                                          |
| 1867-1871                                   | 22, 107                   | 2, 585                   | 35, 032                            | 1, 818                                           | 1923                   | 154, 951                  | 14, 888                  | 224, 900                           | 20, 031                                          |
| 1872-1876                                   | 48, 958                   | 3, 416                   | 86, 037                            | 1, 650                                           | 1924                   | 73, 798                   | 17, 253                  | 159, 850                           | 28, 079                                          |
| 1877-1881                                   | 107, 781                  | 5, 378                   | 133, 263                           | 906                                              | 1925                   | 195, 490                  | 13, 896                  | 260, 803                           | 6, 201                                           |
| 1882-1886                                   | 82, 884                   | 8, 620                   | 121, 675                           | 517                                              | 1926                   | 63, 186                   | 9, 542                   | 108, 036                           | 15, 880                                          |
| 1887-1891                                   | 84, 730                   | 11, 267                  | 115, 529                           | 352                                              | 1927                   | 156, 250                  | 13, 985                  | 219, 160                           | 15, 733                                          |
| 1892-1896                                   | 99, 014                   | 15, 713                  | 170, 624                           | 1, 634                                           | 1928                   | 145, 999                  | 12, 821                  | 208, 268                           | 15, 264                                          |
| 1897-1901                                   | 120, 247                  | 17, 151                  | 197, 427                           | 1, 280                                           | 1929                   | 103, 114                  | 12, 585                  | 163, 688                           | 21, 442                                          |
| 1902-1906                                   | 70, 527                   | 18, 444                  | 140, 026                           | 993                                              | 1930                   | 92, 175                   | 12, 004                  | 135, 247                           | 12, 056                                          |
| 1907-1911                                   | 62, 855                   | 11, 841                  | 115, 138                           | 708                                              | 1931                   | 76, 565                   | 11, 726                  | 131, 477                           | 15, 058                                          |
| 1912-1916                                   | 129, 415                  | 18, 155                  | 188, 748                           | 2, 966                                           | 1932                   | 96, 521                   | 9, 357                   | 135, 799                           | 12, 888                                          |
| 1917-1921                                   | 155, 646                  | 19, 167                  | 241, 669                           | 26, 064                                          | 1933                   | 20, 887                   | 4, 324                   | 41, 211                            | 9, 380                                           |
| 1922-1926                                   | 140, 149                  | 14, 274                  | 207, 237                           | 17, 473                                          | 1934                   | 15, 800                   | 3, 873                   | 37, 092                            | 11, 494                                          |
| 1927-1931                                   | 114, 781                  | 12, 763                  | 174, 766                           | 16, 461                                          | 1935                   | 3, 019                    | 3, 359                   | 21, 532                            | 25, 134                                          |
| 1932-1936                                   | 27, 908                   | 4, 763                   | 50, 295                            | 21, 111                                          | 1936                   | 311                       | 3, 323                   | 15, 930                            | 46, 663                                          |

<sup>1</sup> Flour converted to grain at rate of 5 bushels to a barrel, 1852 to 1879, 4½, 1880 to 1921, 4.7 thereafter.<sup>2</sup> Imports for consumption beginning 1935; general imports prior thereto.<sup>3</sup> 1862-1865; no data for 1866.

Source: Bureau of Foreign and Domestic Commerce.

## No. 662.—COMMERCIAL STOCKS OF DOMESTIC GRAIN IN THE UNITED STATES: AS REPORTED ON SATURDAY NEAREST THE FIRST OF EACH MONTH

NOTE.—All figures in thousands of bushels. Number of pounds to a bushel: Wheat, 60; corn, 56; oats, 32. Figures represent domestic grain in store in public and private elevators in 41 markets and afloat in vessels or barges in harbors of lake and seaboard ports; they do not include grain in transit, stocks in mills or elevators attached to mills, or private stocks intended for local use. Official statistics were not compiled prior to January 1927. Bradstreet's visible supply is given for earlier years in the 1935 and previous issues of the Statistical Abstract.

| Year    | Oct.     | Nov.     | Dec.     | Jan.     | Feb.     | Mar.     | Apr.     | May      | June     | July     | Aug.     | Sept.    |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| CORN    |          |          |          |          |          |          |          |          |          |          |          |          |
| 1926-27 |          |          |          | 30, 019  | 40, 670  | 47, 515  | 49, 759  | 39, 010  | 31, 607  | 36, 268  | 31, 782  | 23, 324  |
| 1927-28 | 24, 913  | 21, 661  | 20, 254  | 28, 741  | 34, 558  | 44, 786  | 48, 273  | 36, 835  | 27, 497  | 17, 650  | 13, 571  | 9, 768   |
| 1928-29 | 6, 894   | 2, 032   | 6, 353   | 18, 555  | 28, 797  | 36, 927  | 37, 744  | 28, 868  | 15, 951  | 13, 740  | 9, 076   | 6, 340   |
| 1929-30 | 4, 421   | 3, 639   | 2, 982   | 10, 513  | 16, 079  | 24, 944  | 25, 671  | 21, 073  | 11, 463  | 7, 049   | 3, 421   | 4, 220   |
| 1930-31 | 4, 855   | 4, 560   | 7, 332   | 17, 190  | 17, 383  | 20, 127  | 22, 167  | 19, 697  | 12, 937  | 8, 175   | 8, 363   | 9, 068   |
| 1931-32 | 5, 888   | 7, 341   | 9, 808   | 12, 664  | 14, 176  | 18, 528  | 22, 693  | 22, 082  | 20, 303  | 16, 117  | 11, 144  | 14, 739  |
| 1932-33 | 18, 705  | 27, 973  | 26, 537  | 30, 633  | 33, 855  | 36, 868  | 36, 151  | 31, 958  | 38, 780  | 48, 618  | 63, 274  | 57, 704  |
| 1933-34 | 59, 791  | 62, 709  | 65, 053  | 70, 540  | 68, 946  | 69, 424  | 66, 314  | 67, 343  | 45, 257  | 38, 312  | 45, 504  | 61, 373  |
| 1934-35 | 63, 803  | 58, 482  | 50, 166  | 43, 752  | 34, 497  | 28, 002  | 21, 352  | 14, 818  | 10, 642  | 7, 491   | 5, 637   | 5, 655   |
| 1935-36 | 3, 421   | 2, 060   | 4, 466   | 7, 657   | 6, 948   | 5, 117   | 7, 561   | 7, 650   | 6, 168   | 6, 985   | 4, 315   | 4, 537   |
|         | July     | Aug.     | Sept.    | Oct.     | Nov.     | Dec.     | Jan.     | Feb.     | Mar.     | Apr.     | May      | June     |
| WHEAT   |          |          |          |          |          |          |          |          |          |          |          |          |
| 1926-27 |          |          |          |          |          |          | 56, 340  | 56, 304  | 56, 262  | 49, 910  | 37, 587  | 26, 553  |
| 1927-28 | 21, 062  | 33, 677  | 62, 042  | 78, 811  | 80, 684  | 91, 589  | 88, 581  | 78, 203  | 72, 858  | 68, 791  | 61, 957  | 48, 286  |
| 1928-29 | 35, 587  | 63, 133  | 93, 870  | 115, 469 | 139, 493 | 140, 172 | 144, 351 | 129, 646 | 126, 377 | 124, 755 | 113, 392 | 96, 059  |
| 1929-30 | 90, 442  | 136, 423 | 186, 847 | 198, 211 | 202, 461 | 189, 926 | 182, 226 | 168, 346 | 160, 674 | 153, 123 | 135, 471 | 120, 303 |
| 1930-31 | 109, 327 | 161, 897 | 201, 319 | 220, 600 | 211, 381 | 206, 618 | 199, 649 | 202, 694 | 208, 661 | 213, 583 | 206, 490 | 209, 110 |
| 1931-32 | 203, 967 | 235, 727 | 251, 742 | 256, 327 | 244, 043 | 236, 616 | 226, 874 | 217, 719 | 216, 282 | 207, 215 | 186, 549 | 176, 237 |
| 1932-33 | 168, 405 | 175, 918 | 188, 342 | 194, 858 | 191, 820 | 179, 428 | 168, 465 | 155, 552 | 147, 132 | 135, 552 | 124, 395 | 117, 536 |
| 1933-34 | 123, 712 | 134, 946 | 151, 738 | 156, 652 | 151, 294 | 142, 187 | 132, 511 | 116, 472 | 107, 233 | 97, 132  | 88, 821  | 78, 967  |
| 1934-35 | 80, 548  | 115, 922 | 122, 380 | 120, 075 | 108, 518 | 96, 158  | 90, 937  | 75, 274  | 61, 751  | 51, 882  | 39, 424  | 30, 775  |
| 1935-36 | 21, 951  | 34, 739  | 62, 495  | 79, 703  | 84, 326  | 81, 173  | 76, 694  | 70, 254  | 59, 926  | 49, 919  | 40, 698  | 31, 174  |
| OATS    |          |          |          |          |          |          |          |          |          |          |          |          |
| 1926-27 |          |          |          |          |          |          | 47, 123  | 47, 421  | 45, 105  | 38, 481  | 30, 513  | 21, 032  |
| 1927-28 | 17, 089  | 11, 886  | 23, 224  | 28, 513  | 25, 682  | 24, 784  | 28, 815  | 21, 949  | 21, 127  | 16, 803  | 11, 667  | 7, 171   |
| 1928-29 | 3, 338   | 2, 445   | 15, 992  | 17, 561  | 16, 900  | 15, 399  | 17, 514  | 16, 219  | 16, 801  | 14, 003  | 11, 493  | 10, 591  |
| 1929-30 | 8, 562   | 8, 668   | 24, 816  | 28, 597  | 32, 762  | 30, 064  | 28, 019  | 26, 097  | 22, 937  | 19, 454  | 16, 519  | 13, 247  |
| 1930-31 | 11, 028  | 9, 102   | 25, 844  | 32, 928  | 33, 265  | 30, 504  | 30, 596  | 26, 779  | 23, 029  | 18, 213  | 13, 630  | 9, 681   |
| 1931-32 | 7, 525   | 8, 021   | 15, 013  | 17, 372  | 18, 180  | 18, 161  | 15, 810  | 17, 096  | 17, 938  | 15, 706  | 13, 621  | 11, 339  |
| 1932-33 | 10, 657  | 12, 627  | 27, 273  | 28, 895  | 29, 084  | 27, 494  | 24, 405  | 25, 406  | 25, 831  | 24, 105  | 21, 678  | 23, 659  |
| 1933-34 | 28, 430  | 35, 589  | 46, 193  | 50, 846  | 49, 860  | 45, 755  | 47, 229  | 45, 177  | 42, 369  | 38, 190  | 33, 013  | 26, 237  |
| 1934-35 | 23, 369  | 22, 732  | 20, 344  | 26, 271  | 24, 245  | 23, 570  | 23, 894  | 22, 352  | 19, 729  | 15, 656  | 11, 686  | 11, 003  |
| 1935-36 | 8, 838   | 7, 525   | 25, 602  | 41, 215  | 45, 701  | 45, 320  | 43, 813  | 43, 993  | 40, 766  | 36, 018  | 36, 500  | 31, 045  |

Source: Bureau of Agricultural Economics, Department of Agriculture.

## No. 663.—GRAIN RECEIPTS AT PRIMARY MARKETS, BY CROP YEARS

[All figures in thousands of bushels. Number of pounds to a bushel: Wheat, 60; corn, 56; oats, 32]

| Yearly average<br>or year be-<br>ginning— | Total,<br>13 mar-<br>kets <sup>1</sup> | Total,<br>10 mar-<br>kets | Chi-<br>cago | Mil-<br>wau-<br>kee | Minne-<br>apolis | Du-<br>luth | St.<br>Louis | De-<br>troit | Kan-<br>sas<br>City | Peoria | Omaha  | Indian-<br>apolis |
|-------------------------------------------|----------------------------------------|---------------------------|--------------|---------------------|------------------|-------------|--------------|--------------|---------------------|--------|--------|-------------------|
| WHEAT                                     |                                        |                           |              |                     |                  |             |              |              |                     |        |        |                   |
| July 1:                                   |                                        |                           |              |                     |                  |             |              |              |                     |        |        |                   |
| 1921-1925                                 | 377,846                                | 49,959                    | 5,903        | 112,209             | 66,874           | 37,295      | 1,036        | 74,144       | 2,601               | 22,541 | 4,885  |                   |
| 1926-1930                                 | 417,527                                | 38,369                    | 6,781        | 105,921             | 86,924           | 41,458      | 1,908        | 94,057       | 2,037               | 35,047 | 4,934  |                   |
| 1929                                      | 418,758                                | 375,877                   | 29,780       | 6,455               | 91,020           | 72,650      | 40,356       | 1,533        | 91,720              | 2,036  | 34,853 | 5,925             |
| 1930                                      | 483,661                                | 444,286                   | 43,397       | 9,396               | 101,930          | 81,787      | 46,197       | 1,612        | 101,634             | 3,089  | 50,020 | 5,224             |
| 1931                                      | 360,192                                | 313,522                   | 41,059       | 17,691              | 54,048           | 21,818      | 37,357       | 1,424        | 107,202             | 2,296  | 25,681 | 5,040             |
| 1932                                      | 270,766                                | 241,358                   | 13,102       | 2,628               | 73,238           | 53,966      | 17,939       | 1,435        | 60,113              | 1,710  | 13,156 | 4,021             |
| 1933                                      | 201,402                                | 180,459                   | 13,735       | 2,980               | 49,447           | 37,580      | 17,798       | 1,173        | 38,887              | 1,389  | 13,259 | 4,211             |
| 1934                                      | 158,872                                | 142,320                   | 22,854       | 3,742               | 37,887           | 17,037      | 14,825       | 891          | 28,165              | 1,539  | 10,721 | 4,659             |
| 1935 <sup>2</sup>                         | 232,071                                | 205,526                   | 22,559       | 4,138               | 67,356           | 20,070      | 16,355       | (?)          | 53,798              | 1,434  | 15,109 | 4,707             |
| CORN                                      |                                        |                           |              |                     |                  |             |              |              |                     |        |        |                   |
| Nov. 1:                                   |                                        |                           |              |                     |                  |             |              |              |                     |        |        |                   |
| 1921-1925                                 | 262,241                                | 115,372                   | 14,538       | 13,213              | 5,061            | 30,749      | 1,423        | 18,436       | 22,221              | 22,668 | 18,550 |                   |
| 1926-1930                                 | 233,021                                | 85,776                    | 12,434       | 11,554              | 1,493            | 28,170      | 785          | 29,743       | 22,306              | 23,435 | 22,294 |                   |
| 1929                                      | 254,387                                | 233,849                   | 77,490       | 13,325              | 1,588            | 25,466      | 417          | 29,025       | 22,882              | 26,522 | 23,489 |                   |
| 1930                                      | 194,908                                | 180,268                   | 59,364       | 7,064               | 2,937            | 21,008      | 298          | 25,961       | 10,362              | 18,755 | 21,060 |                   |
| 1931                                      | 146,210                                | 138,250                   | 68,937       | 7,448               | 4,427            | 14,324      | 226          | 7,629        | 12,244              | 5,902  | 14,040 |                   |
| 1932                                      | 237,498                                | 222,532                   | 89,573       | 15,825              | 8,914            | 20,982      | 396          | 16,930       | 17,562              | 16,209 | 21,266 |                   |
| 1933                                      | 210,550                                | 194,003                   | 64,011       | 10,180              | 5,502            | 14,504      | 503          | 25,629       | 19,346              | 20,565 | 17,231 |                   |
| 1934                                      | 98,050                                 | 93,286                    | 26,124       | 5,067               | 3,311            | 123         | 16,308       | 117          | 17,003              | 13,466 | 4,622  | 13,145            |
| OATS                                      |                                        |                           |              |                     |                  |             |              |              |                     |        |        |                   |
| Aug. 1:                                   |                                        |                           |              |                     |                  |             |              |              |                     |        |        |                   |
| 1921-1925                                 | 220,359                                | 71,431                    | 19,646       | 35,224              | 12,494           | 31,186      | 2,376        | 9,834        | 12,833              | 14,494 | 10,841 |                   |
| 1926-1930                                 | 126,894                                | 40,108                    | 10,739       | 20,884              | 4,147            | 20,084      | 1,067        | 4,537        | 7,545               | 7,176  | 10,607 |                   |
| 1929                                      | 184,513                                | 129,324                   | 34,680       | 12,567              | 5,727            | 19,355      | 818          | 6,417        | 7,796               | 9,228  | 11,537 |                   |
| 1930                                      | 99,468                                 | 94,284                    | 21,827       | 8,290               | 10,768           | 7,978       | 16,381       | 833          | 3,821               | 4,681  | 4,325  | 9,330             |
| 1931                                      | 67,437                                 | 62,312                    | 25,370       | 2,653               | 7,117            | 1,003       | 5,717        | 747          | 2,058               | 3,386  | 1,708  | 12,553            |
| 1932                                      | 100,586                                | 94,590                    | 25,586       | 3,318               | 23,977           | 7,432       | 7,892        | 873          | 2,476               | 3,081  | 4,111  | 15,464            |
| 1933                                      | 64,093                                 | 60,208                    | 17,631       | 4,498               | 11,100           | 7,620       | 5,230        | 627          | 1,723               | 3,448  | 1,267  | 7,004             |
| 1934                                      | 39,927                                 | 35,584                    | 10,622       | 2,157               | 7,275            | 1,602       | 4,953        | 540          | 1,868               | 774    | 2,483  | 3,165             |
| 1935 <sup>2</sup>                         | 128,229                                | 120,196                   | 28,686       | 1,992               | 38,972           | 17,240      | 8,509        | (?)          | 5,264               | 3,585  | 10,303 | 5,555             |

<sup>1</sup> Includes Sioux City, St. Joseph, and Wichita in addition to markets shown.<sup>2</sup> Detroit discontinued; totals in first and second columns are for 12 and 9 markets, respectively.

Source: Bureau of Agricultural Economics, Department of Agriculture. Compiled from Chicago Daily Trade Bulletin and the annual reports of the Chicago Board of Trade.

## No. 664.—GRAIN RECEIVED AT SIX ATLANTIC PORTS

NOTE.—Data are for calendar years. Total receipts by ports include flour and meal reduced to grain equivalent. Receipts at New York, Boston, Philadelphia, and Baltimore include shipments from the West to foreign countries through these ports on through bills of lading. Receipts at Baltimore include flour ground by city millers, and therefore duplicate an equivalent quantity of wheat received in grain

|                             | 1910              | 1920               | 1925               | 1930               | 1933              | 1934              | 1935              |
|-----------------------------|-------------------|--------------------|--------------------|--------------------|-------------------|-------------------|-------------------|
| TOTALS BY PORTS             |                   |                    |                    |                    |                   |                   |                   |
| New York, total             | 1,000 bus. 93,320 | 1,000 bus. 145,534 | 1,000 bus. 189,192 | 1,000 bus. 126,383 | 1,000 bus. 58,047 | 1,000 bus. 60,869 | 1,000 bus. 59,492 |
| By canal via river          | 10,168            | 4,139              | 32,787             | 39,707             | 20,606            | 22,285            | 16,021            |
| Coastwise and river         | 410               | 5,966              | 0                  | 462                | 1,035             | 1,620             | 1,489             |
| By rail                     | 82,742            | 135,429            | 156,388            | 86,124             | 35,804            | 32,955            | 34,982            |
| Boston                      | 22,402            | 13,099             | 11,911             | 7,918              | 6,836             | 5,054             | 9,579             |
| Philadelphia                | 28,736            | 45,148             | 55,933             | 13,529             | 9,381             | 11,746            | 14,351            |
| Baltimore                   | 32,272            | 74,260             | 35,552             | 17,693             | 9,740             | 9,808             | 11,267            |
| New Orleans                 | 16,213            | 72,976             | 32,089             | 24,639             | 10,808            | 9,391             | 9,181             |
| Montreal, Canada            | 44,178            | 67,044             | 179,960            | 110,675            | 85,125            | 67,820            | 82,332            |
| COMMODITY                   |                   |                    |                    |                    |                   |                   |                   |
| Flour—1,000 bbls.           | 16,841            | 17,016             | 23,801             | 24,291             | 13,661            | 13,513            | 13,176            |
| do                          | 1,039             | 77                 | 75                 | 86                 | 142               | 137               | 142               |
| Wheat—1,000 bu.             | 62,944            | 220,298            | 238,631            | 167,771            | 93,488            | 72,888            | 68,654            |
| Corn                        | 42,193            | 17,916             | 13,220             | 4,829              | 10,079            | 9,674             | 25,497            |
| Oats                        | 47,181            | 34,620             | 76,401             | 10,255             | 7,688             | 13,149            | 17,072            |
| Barley                      | 3,929             | 16,600             | 45,191             | 6,086              | 2,133             | 6,072             | 7,254             |
| Rye                         | 954               | 51,742             | 23,709             | 2,245              | 663               | 8,246             | 7,866             |
| Total grain                 | 157,181           | 341,183            | 397,152            | 191,186            | 114,051           | 104,429           | 126,343           |
| Flour and meal <sup>2</sup> | 79,940            | 76,878             | 107,404            | 109,651            | 62,038            | 61,349            | 59,859            |
| Grand total                 | 237,122           | 418,061            | 504,556            | 300,837            | 176,089           | 165,778           | 186,202           |

<sup>1</sup> Excludes coastwise shipments of flour from Pacific and Gulf ports; no reports on that movement.<sup>2</sup> Grain equivalent.

Source: New York Produce Exchange.

**No. 665.—GRAIN PRICES: WEIGHTED AVERAGE MARKET PRICE PER BUSHEL  
OF REPORTED CASH SALES**

| Yearly average or crop<br>year beginning— | Wheat,<br>July-June                               |                                                       |                                               | Corn,<br>Nov.-Oct.                     |                                               | Oats,<br>Aug.-July               |                                           | Bar-<br>ley,<br>Aug.-<br>July   | Rye,<br>July-<br>June           | Flax-<br>seed,<br>Aug.-<br>July <sup>1</sup> | Kafir,<br>Nov.-<br>Oct. <sup>2</sup>    |
|-------------------------------------------|---------------------------------------------------|-------------------------------------------------------|-----------------------------------------------|----------------------------------------|-----------------------------------------------|----------------------------------|-------------------------------------------|---------------------------------|---------------------------------|----------------------------------------------|-----------------------------------------|
|                                           | No. 1,<br>North-<br>ern,<br>Min-<br>neapo-<br>lis | No. 2,<br>Hard<br>Win-<br>ter,<br>Kan-<br>sas<br>City | No. 2,<br>Red<br>Win-<br>ter,<br>Chi-<br>cago | No. 3,<br>Yel-<br>low,<br>Chi-<br>cago | No. 3,<br>Yel-<br>low,<br>Kan-<br>sas<br>City | No. 3,<br>White,<br>Chi-<br>cago | No. 3,<br>White,<br>Min-<br>neapo-<br>lis | No. 2,<br>Min-<br>neapo-<br>lis | No. 2,<br>Min-<br>neapo-<br>lis | No. 1,<br>Min-<br>neapo-<br>lis              | No. 2,<br>White,<br>Kan-<br>sas<br>City |
| 1909-1913.....                            | \$0.99                                            | \$0.95                                                | \$0.99                                        | \$0.61                                 | \$0.60                                        | \$0.40                           | \$0.38                                    | \$0.64                          | \$0.70                          | \$1.91                                       | \$1.34                                  |
| 1914-1920.....                            | 1.90                                              | 1.70                                                  | 1.83                                          | 1.15                                   | 1.12                                          | .60                              | .58                                       | 1.02                            | 1.43                            | 3.03                                         | 2.17                                    |
| 1921-1925.....                            | 1.39                                              | 1.27                                                  | 1.83                                          | .79                                    | .78                                           | .42                              | .38                                       | .65                             | .87                             | 2.47                                         | 1.62                                    |
| 1926-1930.....                            | 1.23                                              | 1.16                                                  | 1.26                                          | .85                                    | .79                                           | .44                              | .42                                       | .66                             | .88                             | 2.32                                         | 1.81                                    |
| 1921.....                                 | 1.43                                              | 1.20                                                  | 1.25                                          | .65                                    | .54                                           | .35                              | .32                                       | .55                             | .92                             | 2.16                                         | 1.36                                    |
| 1922.....                                 | 1.20                                              | 1.13                                                  | 1.14                                          | .73                                    | .74                                           | .41                              | .36                                       | .68                             | .76                             | 2.59                                         | 1.63                                    |
| 1923.....                                 | 1.17                                              | 1.05                                                  | 1.02                                          | .88                                    | .78                                           | .45                              | .40                                       | .63                             | .65                             | 2.44                                         | 1.51                                    |
| 1924.....                                 | 1.56                                              | 1.35                                                  | 1.55                                          | 1.06                                   | 1.12                                          | .50                              | .47                                       | .84                             | 1.14                            | 2.63                                         | 1.81                                    |
| 1925.....                                 | 1.61                                              | 1.63                                                  | 1.64                                          | .75                                    | .74                                           | .41                              | .37                                       | .67                             | .88                             | 2.53                                         | 1.30                                    |
| 1926.....                                 | 1.46                                              | 1.35                                                  | 1.38                                          | .87                                    | .88                                           | .43                              | .42                                       | .71                             | .98                             | 2.26                                         | 1.20                                    |
| 1927.....                                 | 1.36                                              | 1.35                                                  | 1.40                                          | 1.01                                   | .85                                           | .55                              | .50                                       | .84                             | 1.04                            | 2.21                                         | 1.46                                    |
| 1928.....                                 | 1.18                                              | 1.12                                                  | 1.33                                          | .92                                    | .85                                           | .44                              | .41                                       | .66                             | .95                             | 2.29                                         | 1.33                                    |
| 1929.....                                 | 1.33                                              | 1.20                                                  | 1.30                                          | .83                                    | .80                                           | .44                              | .42                                       | .59                             | .90                             | 3.11                                         | 1.53                                    |
| 1930.....                                 | .83                                               | .76                                                   | .86                                           | .60                                    | .55                                           | .36                              | .33                                       | .47                             | .51                             | 1.76                                         | .98                                     |
| 1931.....                                 | .98                                               | .47                                                   | .62                                           | .36                                    | .37                                           | .22                              | .24                                       | .48                             | .42                             | 1.36                                         | .60                                     |
| 1932.....                                 | .60                                               | .51                                                   | .53                                           | .35                                    | .38                                           | .22                              | .22                                       | .39                             | .41                             | 1.18                                         | .78                                     |
| 1933.....                                 | .94                                               | .88                                                   | .94                                           | .52                                    | .47                                           | .36                              | .35                                       | .70                             | .69                             | 1.87                                         | .90                                     |
| 1934.....                                 | 1.13                                              | .98                                                   | .98                                           | .86                                    | .61                                           | .46                              | .52                                       | 1.05                            | .81                             | 1.90                                         | .90                                     |
| 1935.....                                 | 1.19                                              | 1.05                                                  | .92                                           | -----                                  | -----                                         | .80                              | .28                                       | 1.68                            | .60                             | 1.73                                         | -----                                   |

<sup>1</sup> Average closing price through December 1920.<sup>2</sup> Price per 100 pounds.<sup>3</sup> Special No. 2.<sup>4</sup> No. 2 malting.

Source: Bureau of Agricultural Economics, Department of Agriculture.

**No. 666.—MONTHLY AVERAGE FARM PRICES FOR SPECIFIED CROPS**

[Prices for wheat, corn, oats, and potatoes are in cents per bushel; for cotton in cents per pound; and for hay, in dollars per ton. For yearly average prices, see table 667]

| Product   | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Wheat:    |       |       |       |       |       |       |       |       |       |       |       |       |
| 1933..... | 32.9  | 32.3  | 34.5  | 44.8  | 59.0  | 58.7  | 86.9  | 74.7  | 71.1  | 63.6  | 71.1  | 67.3  |
| 1934..... | 69.4  | 72.0  | 70.9  | 68.7  | 69.5  | 78.9  | 78.8  | 89.6  | 92.2  | 88.5  | 83.1  | 90.6  |
| 1935..... | 89.3  | 87.9  | 85.5  | 90.2  | 87.8  | 77.3  | 76.4  | 81.5  | 86.2  | 96.3  | 88.8  | 90.1  |
| 1936..... | 93.0  | 91.9  | 90.9  | 83.3  | 82.3  | 80.6  |       |       |       |       |       |       |
| Corn:     |       |       |       |       |       |       |       |       |       |       |       |       |
| 1933..... | 19.1  | 19.4  | 20.6  | 28.2  | 38.6  | 40.2  | 55.4  | 48.8  | 46.5  | 38.8  | 40.6  | 42.0  |
| 1934..... | 43.9  | 45.6  | 47.1  | 47.1  | 48.6  | 56.0  | 59.2  | 72.7  | 77.4  | 76.7  | 75.7  | 85.3  |
| 1935..... | 86.3  | 84.5  | 82.7  | 85.2  | 84.8  | 83.3  | 82.4  | 80.8  | 78.0  | 71.8  | 66.4  | 53.0  |
| 1936..... | 53.5  | 55.5  | 56.4  | 67.2  | 60.0  | 61.3  |       |       |       |       |       |       |
| Oats:     |       |       |       |       |       |       |       |       |       |       |       |       |
| 1933..... | 13.4  | 13.3  | 13.7  | 17.0  | 21.7  | 23.1  | 39.1  | 32.2  | 32.3  | 27.9  | 31.4  | 31.4  |
| 1934..... | 32.5  | 34.1  | 33.9  | 32.6  | 32.7  | 38.9  | 40.6  | 45.8  | 50.3  | 50.5  | 51.1  | 53.9  |
| 1935..... | 64.6  | 54.7  | 54.1  | 53.5  | 49.8  | 41.9  | 32.2  | 26.9  | 25.8  | 27.0  | 25.8  | 25.9  |
| 1936..... | 25.9  | 26.6  | 26.7  | 25.4  | 25.1  | 24.3  |       |       |       |       |       |       |
| Potatoes: |       |       |       |       |       |       |       |       |       |       |       |       |
| 1933..... | 37.4  | 37.0  | 39.0  | 42.4  | 43.7  | 49.4  | 97.9  | 131.0 | 100.8 | 74.9  | 68.8  | 69.4  |
| 1934..... | 77.2  | 87.7  | 92.0  | 83.4  | 73.7  | 64.4  | 66.9  | 68.0  | 62.8  | 49.0  | 45.9  | 45.4  |
| 1935..... | 46.1  | 45.2  | 43.6  | 49.1  | 44.6  | 40.9  | 52.0  | 50.7  | 48.4  | 46.1  | 62.6  | 64.2  |
| 1936..... | 65.9  | 68.9  | 72.3  | 81.1  | 87.1  | 136.6 |       |       |       |       |       |       |
| Cotton:   |       |       |       |       |       |       |       |       |       |       |       |       |
| 1933..... | 5.6   | 5.5   | 6.1   | 6.1   | 8.2   | 8.7   | 10.6  | 8.8   | 8.8   | 9.5   | 9.6   | 9.6   |
| 1934..... | 10.3  | 11.7  | 11.7  | 11.6  | 11.0  | 11.6  | 12.3  | 13.1  | 13.1  | 12.3  | 12.3  | 12.4  |
| 1935..... | 12.3  | 12.2  | 11.6  | 11.7  | 12.0  | 11.8  | 11.9  | 11.5  | 10.6  | 10.9  | 11.6  | 11.4  |
| 1936..... | 11.1  | 11.0  | 10.9  | 11.2  | 11.2  | 11.4  |       |       |       |       |       |       |
| All hay:  |       |       |       |       |       |       |       |       |       |       |       |       |
| 1933..... | 6.03  | 5.91  | 5.89  | 6.12  | 6.37  | 6.43  | 6.99  | 7.53  | 7.53  | 7.54  | 7.69  | 7.69  |
| 1934..... | 7.78  | 8.07  | 8.34  | 8.69  | 8.94  | 9.75  | 10.13 | 12.50 | 13.03 | 13.40 | 13.58 | 13.86 |
| 1935..... | 14.02 | 14.02 | 13.79 | 13.67 | 13.38 | 12.07 | 8.88  | 7.90  | 7.43  | 7.26  | 7.25  | 7.20  |
| 1936..... | 7.90  | 7.67  | 7.45  | 7.35  | 7.26  | 7.31  |       |       |       |       |       |       |

Source: Bureau of Agricultural Economics, Department of Agriculture.

# No. 667.—YEARLY WEIGHTED AVERAGE FARM PRICES OF SPECIFIED CROPS: BY CROP YEARS, FOR THE UNITED STATES

NOTE.—Prices for hays and cottonseed are in dollars per ton; cotton and peanuts in cents per pound; timothy, clover, and alfalfa seeds in dollars per bushel; and for all other products, in cents per bushel. Crop year begins in June for apples; in August for cotton, cottonseed and timothy seed; in September for buckwheat, clover seed, and peanuts; in October for corn and in July for other crops named. The 1935-36 figures are preliminary. For index numbers of prices of farm products by groups see table 562.

| Crop year beginning— | Wheat <sup>1</sup> | Corn <sup>1</sup> | Oats <sup>1</sup> | Barley <sup>1</sup> | Rye <sup>1</sup> | Buck-<br>wheat <sup>1</sup> | Flax-<br>seed <sup>1</sup> | Pota-<br>toes <sup>1</sup> | Sweet<br>potatoes <sup>1</sup> | Apples <sup>1</sup> |
|----------------------|--------------------|-------------------|-------------------|---------------------|------------------|-----------------------------|----------------------------|----------------------------|--------------------------------|---------------------|
| 1914                 | 90.4               | 71.8              | 44.2              | 54.1                | 83.3             | 81.1                        | 131.2                      | 58.3                       | 84.5                           | 62.5                |
| 1915                 | 98.2               | 68.7              | 39.5              | 53.7                | 85.0             | 81.5                        | 168.6                      | 73.2                       | 75.0                           | 70.4                |
| 1916                 | 144.4              | 116.3             | 49.5              | 82.2                | 113.0            | 126.5                       | 229.2                      | 172.6                      | 92.4                           | 89.4                |
| 1917                 | 205.8              | 148.5             | 71.9              | 122.3               | 176.4            | 187.1                       | 311.2                      | 123.0                      | 118.1                          | 116.4               |
| 1918                 | 206.3              | 153.5             | 70.0              | 97.8                | 162.1            | 164.7                       | 367.8                      | 125.2                      | 149.1                          | 137.6               |
| 1919                 | 216.3              | 151.3             | 76.7              | 124.4               | 145.9            | 158.7                       | 442.1                      | 191.1                      | 169.2                          | 174.9               |
| 1920                 | 182.6              | 81.8              | 53.8              | 84.4                | 146.4            | 125.4                       | 232.8                      | 133.2                      | 141.9                          | 122.5               |
| 1921                 | 103.0              | 52.3              | 32.2              | 47.8                | 84.0             | 87.9                        | 165.4                      | 113.5                      | 113.5                          | 163.9               |
| 1922                 | 96.6               | 74.5              | 37.4              | 40.9                | 63.9             | 89.5                        | 207.6                      | 68.6                       | 100.8                          | 102.5               |
| 1923                 | 92.6               | 82.5              | 40.7              | 54.6                | 59.3             | 95.8                        | 212.5                      | 91.5                       | 121.0                          | 113.0               |
| 1924                 | 124.7              | 106.1             | 47.8              | 74.2                | 95.3             | 107.4                       | 217.9                      | 71.2                       | 150.0                          | 120.7               |
| 1925                 | 143.7              | 89.9              | 38.9              | 61.4                | 79.0             | 87.2                        | 226.4                      | 165.8                      | 165.1                          | 125.1               |
| 1926                 | 121.7              | 74.5              | 40.0              | 57.9                | 83.0             | 87.1                        | 203.2                      | 136.1                      | 117.4                          | 80.5                |
| 1927                 | 119.0              | 85.0              | 47.1              | 68.9                | 83.5             | 86.9                        | 192.5                      | 108.5                      | 109.0                          | 130.8               |
| 1928                 | 99.8               | 84.0              | 40.7              | 56.8                | 83.6             | 89.9                        | 193.8                      | 67.1                       | 118.0                          | 108.1               |
| 1929                 | 108.6              | 79.9              | 41.8              | 53.9                | 85.7             | 98.3                        | 281.2                      | 131.8                      | 117.1                          | 138.6               |
| 1930                 | 67.1               | 59.6              | 32.2              | 40.5                | 44.5             | 78.9                        | 181.0                      | 91.9                       | 108.2                          | 102.2               |
| 1931                 | 39.1               | 32.0              | 21.3              | 32.8                | 34.1             | 42.3                        | 116.7                      | 46.3                       | 72.7                           | 65.2                |
| 1932                 | 38.2               | 31.9              | 15.7              | 22.1                | 28.1             | 43.4                        | 85.1                       | 39.3                       | 54.2                           | 59.6                |
| 1933                 | 74.4               | 52.2              | 33.5              | 43.5                | 62.7             | 55.8                        | 162.6                      | 82.3                       | 60.5                           | 77.5                |
| 1934                 | 84.8               | 81.5              | 48.0              | 68.6                | 71.8             | 58.6                        | 109.0                      | 44.8                       | 79.8                           | 88.2                |
| 1935                 | 83.0               | 59.2              | 26.5              | 37.6                | 39.1             | 53.0                        | 146.0                      | 59.6                       | 70.4                           | 71.8                |

| Crop year beginning— | Cotton <sup>1</sup> | Cotton-<br>seed <sup>1</sup> | Pea-<br>nuts <sup>1</sup> | All hay<br>(loose) <sup>1</sup> | Prairie<br>hay | Clover<br>hay | Alfalfa<br>hay | Timothy<br>seed <sup>1</sup> | Clover<br>seed <sup>1</sup> | Alfalfa<br>seed <sup>1</sup> |
|----------------------|---------------------|------------------------------|---------------------------|---------------------------------|----------------|---------------|----------------|------------------------------|-----------------------------|------------------------------|
| 1914                 | 7.4                 | 18.50                        | 4.4                       | 10.92                           | 7.65           | 12.75         | 9.06           | 2.45                         | 8.36                        | 7.46                         |
| 1915                 | 11.2                | 32.65                        | 4.3                       | 10.34                           | 7.09           | 11.22         | 9.31           | 2.72                         | 9.61                        | 8.80                         |
| 1916                 | 17.3                | 49.13                        | 5.0                       | 11.21                           | 8.60           | 11.32         | 12.76          | 2.38                         | 9.28                        | 8.70                         |
| 1917                 | 27.1                | 66.15                        | 7.1                       | 16.60                           | 13.61          | 17.60         | 20.70          | 3.36                         | 13.35                       | 9.45                         |
| 1918                 | 28.9                | 65.23                        | 6.7                       | 19.88                           | 16.59          | 21.53         | 20.79          | 4.02                         | 20.19                       | 10.06                        |
| 1919                 | 35.4                | 67.27                        | 9.6                       | 21.00                           | 16.78          | 23.78         | 22.75          | 4.76                         | 27.02                       | 15.79                        |
| 1920                 | 15.9                | 22.95                        | 4.8                       | 16.46                           | 10.82          | 19.38         | 15.84          | 3.70                         | 12.67                       | 12.37                        |
| 1921                 | 17.0                | 26.72                        | 3.8                       | 11.63                           | 7.68           | 14.10         | 10.79          | 2.64                         | 10.71                       | 8.20                         |
| 1922                 | 22.9                | 34.70                        | 5.6                       | 11.64                           | 8.82           | 13.04         | 12.86          | 2.40                         | 10.20                       | 8.87                         |
| 1923                 | 28.7                | 42.23                        | 6.6                       | 13.08                           | 8.91           | 15.06         | 13.46          | 2.93                         | 12.14                       | 10.40                        |
| 1924                 | 22.9                | 34.08                        | 5.7                       | 12.66                           | 8.70           | 13.50         | 13.81          | 3.21                         | 14.21                       | 11.20                        |
| 1925                 | 19.6                | 30.82                        | 4.6                       | 12.77                           | 9.34           | 14.48         | 13.05          | 3.35                         | 15.27                       | 10.51                        |
| 1926                 | 12.5                | 21.55                        | 5.0                       | 13.24                           | 10.88          | 15.07         | 13.58          | 2.73                         | 18.20                       | 10.12                        |
| 1927                 | 20.2                | 35.94                        | 5.0                       | 10.29                           | 7.72           | 12.20         | 11.94          | 1.84                         | 16.98                       | 9.67                         |
| 1928                 | 18.0                | 35.26                        | 4.9                       | 11.22                           | 8.04           | 12.97         | 13.73          | 2.17                         | 16.89                       | 11.70                        |
| 1929                 | 16.8                | 30.43                        | 3.8                       | 10.87                           | 8.14           | 11.98         | 13.73          | 1.97                         | 10.45                       | 12.01                        |
| 1930                 | 9.5                 | 21.93                        | 3.5                       | 11.03                           | 7.28           | 13.38         | 12.13          | 2.50                         | 11.55                       | 10.75                        |
| 1931                 | 5.7                 | 9.52                         | 2.1                       | 8.68                            | 6.75           | 9.65          | 10.05          | 1.39                         | 7.27                        | 7.34                         |
| 1932                 | 6.5                 | 10.35                        | 1.5                       | 6.17                            | 4.49           | 7.74          | 6.99           | .94                          | 5.01                        | 5.87                         |
| 1933                 | 10.2                | 14.21                        | 2.8                       | 8.06                            | 5.68           | 9.53          | 8.42           | 1.61                         | 6.16                        | 6.02                         |
| 1934                 | 12.4                | 34.79                        | 3.3                       | 13.76                           | 11.89          | 15.25         | 14.43          | 6.54                         | 10.98                       | 10.27                        |
| 1935                 | 11.1                | 31.33                        | 4.1                       | 7.28                            | 5.41           | 9.24          | 8.53           | 1.17                         | 8.72                        | 8.13                         |

<sup>1</sup> Crop year average prices by States weighted by production to obtain weighted averages for the United States for all years for cotton, beginning with 1924 for cottonseed, peanuts, timothy seed, and alfalfa seed; with 1929 for clover seed; and with 1919 for other crops.

Source: Bureau of Agricultural Economics, Department of Agriculture.

# No. 668.—FREIGHT RATES ON WHEAT FROM BUFFALO TO NEW YORK BY CANAL

[In cents per bushel]

| Calendar year | Average rate | Calendar year | Average rate | Calendar year | Average rate | Calendar year | Average rate |
|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| 1892          | 3.44         | 1903          | 4.03         | 1914          | 4.27         | 1925          | 5.70         |
| 1893          | 4.65         | 1904          | 3.14         | 1915          | 4.47         | 1926          | 4.99         |
| 1894          | 3.13         | 1905          | 3.87         | 1916          | 5.00         | 1927          | 5.27         |
| 1895          | 2.20         | 1906          | 4.24         | 1917          | 5.50         | 1928          | 5.96         |
| 1896          | 3.70         | 1907          | 5.07         | 1918          | 9.80         | 1929          | 4.52         |
| 1897          | 1.84         | 1908          | 5.00         | 1919          | 8.31         | 1930          | 4.78         |
| 1898          | 2.87         | 1909          | 3.90         | 1920          | 11.05        | 1931          | 3.63         |
| 1899          | 2.92         | 1910          | 4.08         | 1921          | 8.39         | 1932          | 2.88         |
| 1900          | 2.51         | 1911          | 4.30         | 1922          | 8.00         | 1933          | 2.23         |
| 1901          | 3.46         | 1912          | 4.32         | 1923          | 5.86         | 1934          | 3.24         |
| 1902          | 3.73         | 1913          | 4.57         | 1924          | 6.73         | 1935          | 2.16         |

Source: Commissioner of Canals and Waterways, Department of Public Works, State of New York.

## No. 669.—FREIGHT RATES ON WHEAT FROM CHICAGO TO NEW YORK

NOTE.—In cents per bushel. For earlier years see Statistical Abstract, 1925, p. 679

| Calendar year | By lake and canal | By lake and rail | By all rail <sup>1</sup> | Calendar year | By lake and canal | By lake and rail | By all rail <sup>1</sup> |
|---------------|-------------------|------------------|--------------------------|---------------|-------------------|------------------|--------------------------|
| 1898          | 4.42              | 4.98             | 11.55                    | 1917          | 8.72              | 9.99             | 10.08                    |
| 1899          | 5.65              | 6.63             | 11.13                    | 1918          | 12.53             | 12.27            | 12.90                    |
| 1900          | 4.42              | 5.05             | 9.98                     | 1919          | 10.94             | 11.60            | 14.70                    |
| 1901          | 5.14              | 5.57             | 9.92                     | 1920          | 14.70             | 15.32            | 16.68                    |
| 1902          | 5.25              | 5.78             | 10.60                    | 1921          | 10.29             | 10.91            | 20.10                    |
| 1903          | 5.44              | 6.17             | 11.33                    | 1922          | 11.63             | 11.93            | 19.65                    |
| 1904          | 4.71              | 5.02             | 11.11                    | 1923          | 10.94             | 12.43            | 18.00                    |
| 1905          | 5.51              | 9.44             | 10.20                    | 1924          | 8.87              | 10.92            | 18.00                    |
| 1906          | 5.94              | 8.48             | 10.50                    | 1925          | 7.24              | 10.59            | 18.00                    |
| 1907          | 6.68              | 8.93             | 11.30                    | 1926          | 8.08              | 12.04            | 18.00                    |
| 1908          | 6.00              | 8.33             | 11.70                    | 1927          | 7.16              | 11.14            | 18.00                    |
| 1909          | 5.35              | 8.83             | 11.70                    | 1928          | 8.40              | 11.96            | 18.00                    |
| 1910          | 5.13              | 8.87             | 9.60                     | 1929          | 8.37              | 10.42            | 18.00                    |
| 1911          | 5.35              | 5.23             | 9.69                     | 1930          | 6.41              | 10.80            | 18.00                    |
| 1912          | 5.87              | 9.17             | 9.80                     | 1931          | 5.52              | 10.00            | 18.00                    |
| 1913          | 5.74              | 7.01             | 9.60                     | 1932          | 4.53              | 8.78             | 18.00                    |
| 1914          | 5.31              | 6.54             | 9.60                     | 1933          | 4.19              | 7.86             | 18.00                    |
| 1915          | 6.08              | 7.43             | 10.08                    | 1934          | 5.50              | 7.99             | 14.70                    |
| 1916          | 7.95              | 9.55             | 10.08                    | 1935          | 4.72              | 7.62             | 14.70                    |

<sup>1</sup> Rates beginning with 1900 represent wheat for domestic consumption, lower rates applying on grain for export. The rate on grain for export was 13.09 cents for 1932 and 13.5 for 1933, 1934, and 1935.

<sup>2</sup> Rate for July 1 to Dec. 31. Rate for Jan. 1 to June 30 was 18 cents.

Source: New York Produce Exchange.

## No. 670.—FREIGHT RATES ON GRAIN, FLOUR, AND PROVISIONS, CHICAGO TO EUROPEAN PORTS

NOTE.—Rates cover all-rail transportation to New York and steamer to foreign ports. Rail rates on grain and flour are reshipping rates. Steamer rates are berth rates. Owing to the war complete statements of freight averages for 1914 to 1916 are impossible and for 1917, 1918, 1919, and, in the case of a number of ports, for the earlier months of 1920 no figures are available

[Rates in cents per 100 pounds]

| Destination            | 1900  | 1905  | 1910  | 1913  | 1921   | 1925  | 1929   | 1930   | 1931   | 1932   | 1933  | 1934  | 1935  |
|------------------------|-------|-------|-------|-------|--------|-------|--------|--------|--------|--------|-------|-------|-------|
| <b>Grain:</b>          |       |       |       |       |        |       |        |        |        |        |       |       |       |
| Liverpool <sup>1</sup> | 29.49 | 19.16 | 18.15 | 23.39 | 48.17  | 33.8  | 30.69  | 30.30  | 27.77  | 27.22  | 29.10 | 30.40 | 31.5  |
| Glasgow <sup>1</sup>   | 30.98 | 20.00 | 15.91 | 22.92 | (?)    | 35.3  | 34.10  | 34.70  | 30.39  | 27.82  | 30.20 | 31.70 | 32.5  |
| London <sup>1</sup>    | 31.10 | 20.23 | 17.75 | 24.33 | (?)    | 33.4  | 30.18  | 30.30  | 27.51  | 27.00  | 29.10 | 30.40 | 31.5  |
| Antwerp                | ----- | ----- | 18.05 | 24.62 | 45.02  | 33.9  | 32.35  | 30.75  | 28.22  | 27.73  | 28.50 | 30.50 | 29.0  |
| Hamburg                | ----- | ----- | ----- | 26.16 | 45.76  | 35.0  | 31.19  | 30.11  | 28.57  | 27.58  | 28.50 | 30.50 | 31.0  |
| Amsterdam              | ----- | ----- | ----- | 25.07 | 49.53  | ----- | 32.75  | 31.76  | 27.98  | 27.59  | 28.50 | 30.60 | 29.0  |
| Rotterdam              | ----- | ----- | ----- | 25.07 | 48.64  | 35.5  | 31.86  | 30.67  | 27.98  | 27.59  | 28.50 | 30.50 | 29.0  |
| <b>Sacked flour:</b>   |       |       |       |       |        |       |        |        |        |        |       |       |       |
| Liverpool              | 27.90 | 22.40 | 19.75 | 30.00 | 58.63  | 48.8  | 42.19  | 40.44  | 36.88  | 37.46  | 38.50 | 38.50 | 40.5  |
| Glasgow                | 31.56 | 22.50 | 21.50 | 32.00 | (?)    | 45.0  | 44.19  | 43.52  | 38.42  | 39.46  | 40.50 | 40.50 | 40.5  |
| London                 | 35.01 | 23.64 | 22.00 | 30.50 | (?)    | 43.9  | 42.19  | 40.44  | 16.88  | 37.46  | 38.50 | 38.50 | 40.5  |
| Antwerp                | ----- | ----- | ----- | 35.60 | 55.27  | 44.3  | 43.98  | 41.54  | 39.42  | 40.46  | 41.50 | 41.50 | 41.5  |
| Hamburg                | ----- | ----- | ----- | 37.00 | 56.15  | 44.1  | 43.02  | 41.54  | 39.42  | 40.46  | 41.50 | 41.50 | 41.5  |
| Amsterdam              | ----- | ----- | ----- | 30.00 | 55.74  | 44.6  | 44.54  | 42.35  | 39.42  | 40.46  | 41.50 | 41.50 | 41.5  |
| Rotterdam              | ----- | ----- | ----- | 29.00 | 55.12  | 44.6  | 43.67  | 41.54  | 39.42  | 40.46  | 41.50 | 41.50 | 41.5  |
| Copenhagen             | ----- | ----- | ----- | 40.00 | 64.01  | 50.4  | 53.50  | 53.50  | 51.32  | 52.46  | 53.50 | 47.50 | 47.5  |
| Stockholm              | ----- | ----- | ----- | 43.00 | -----  | 53.5  | 53.50  | 56.60  | 54.42  | 55.46  | 56.50 | 50.50 | 50.5  |
| <b>Provisions:</b>     |       |       |       |       |        |       |        |        |        |        |       |       |       |
| Liverpool              | 48.34 | 38.49 | 45.38 | 51.00 | 137.13 | 106.5 | 101.50 | 101.50 | 101.50 | 98.00  | 96.50 | 90.63 | 95.0  |
| Glasgow                | 55.31 | 43.23 | 46.88 | 55.31 | (?)    | 106.5 | 101.50 | 101.50 | 101.50 | 98.00  | 96.50 | 90.63 | 95.0  |
| London                 | 55.87 | 40.88 | 47.62 | 51.00 | (?)    | 106.5 | 101.50 | 101.50 | 101.50 | 98.00  | 96.50 | 90.63 | 95.0  |
| Antwerp                | 51.09 | 43.70 | 49.44 | 55.22 | 104.01 | 86.5  | 97.80  | 99.00  | 99.00  | 96.44  | 84.00 | 83.13 | 92.5  |
| Hamburg                | 50.00 | 45.75 | 50.00 | 55.33 | 104.87 | 91.5  | 90.50  | 91.50  | 91.50  | 91.75  | 86.50 | 80.63 | 92.5  |
| Amsterdam              | 51.00 | 45.42 | 48.00 | 54.00 | 104.25 | 86.5  | 97.80  | 99.00  | 99.00  | 96.44  | 84.00 | 83.13 | 92.5  |
| Rotterdam              | 51.00 | 44.53 | 47.00 | 53.00 | 104.25 | 86.5  | 97.80  | 99.00  | 99.00  | 96.44  | 84.00 | 83.13 | 92.5  |
| Copenhagen             | 55.31 | 48.65 | 55.31 | 69.43 | 113.00 | 96.5  | 101.50 | 101.50 | 104.83 | 103.01 | 91.50 | 95.63 | 100.0 |
| Stockholm              | 64.50 | 51.47 | 56.72 | 73.14 | -----  | 104.0 | 102.25 | 103.00 | 103.00 | 103.75 | 91.50 | 95.63 | 100.0 |
| Bordeaux               | 64.12 | 51.45 | 57.50 | 71.25 | 105.16 | 106.5 | 102.38 | 111.50 | 111.50 | 105.19 | 84.00 | 89.48 | 92.5  |
| Havre                  | ----- | ----- | ----- | 69.38 | 104.20 | 106.5 | 102.38 | 111.50 | 111.50 | 105.19 | 84.00 | 89.48 | 92.5  |

<sup>1</sup> Berth rates to British ports beginning 1922 converted from English money at average exchange rates.

<sup>2</sup> Rates for Liverpool applied to London and Glasgow.

Source: 1900 to 1916, Secretary of the Board of Trade of Chicago; thereafter, compiled in Bureau of Foreign and Domestic Commerce from various sources.

## No. 671.—FOOD MANUFACTURING INDUSTRIES: MATERIALS USED AND PRODUCTS

| Material and product                                                                | Quantity (thousands of unit specified) |          |             |             | Value (thousands of dollars) |          |          |
|-------------------------------------------------------------------------------------|----------------------------------------|----------|-------------|-------------|------------------------------|----------|----------|
|                                                                                     | Unit                                   | 1929     | 1931        | 1933        | 1929                         | 1931     | 1933     |
| <b>CANNING AND PRESERVING</b>                                                       |                                        |          |             |             |                              |          |          |
| Canned and processed vegetables, fruits, and sea foods, all industries <sup>1</sup> |                                        |          |             |             | 797, 839                     | 523, 034 | 457, 406 |
| Canned vegetables and soups                                                         |                                        |          |             |             | 325, 738                     | 211, 296 | 180, 282 |
| Asparagus                                                                           | Case <sup>2</sup>                      | 2, 727   | 1, 878      | 2, 064      | 15, 495                      | 10, 392  | 7, 247   |
| Beans                                                                               | do.                                    | 30, 817  | 24, 151     | 28, 577     | 69, 664                      | 45, 587  | 39, 210  |
| Beets                                                                               | do.                                    | 1, 911   | 1, 465      | 1, 234      | 4, 677                       | 2, 374   | 1, 926   |
| Corn                                                                                | do.                                    | 16, 724  | 10, 377     | 10, 206     | 30, 797                      | 31, 492  | 17, 692  |
| Kraut <sup>3</sup>                                                                  | do.                                    | 4, 224   | 3, 645      | 3, 345      | 8, 422                       | 5, 429   | 5, 200   |
| Peas                                                                                | do.                                    | 17, 546  | 13, 253     | 13, 292     | 44, 508                      | 28, 959  | 28, 559  |
| Spaghetti                                                                           | do.                                    | 4, 239   | 2, 797      | 3, 168      | 8, 320                       | 6, 430   | 5, 612   |
| Spinach                                                                             | do.                                    | 4, 815   | 1, 774      | 2, 546      | 12, 132                      | 3, 803   | 4, 932   |
| Pumpkin and squash                                                                  | do.                                    | 2, 424   | 1, 008      | 1, 753      | 4, 215                       | 1, 506   | 2, 523   |
| Tomatoes                                                                            | do.                                    | 21, 401  | 13, 894     | 15, 900     | 42, 171                      | 21, 694  | 20, 377  |
| Tomato juice                                                                        | do.                                    | (4)      | 3, 476      | 4, 171      | (4)                          | 6, 212   | 7, 181   |
| Tomato sauce                                                                        | do.                                    | (4) 952  | 466         | 1, 867      | 2, 549                       | 1, 116   | 3, 219   |
| Canned soups                                                                        | do.                                    | (4)      | (4)         | 10, 584     | (4)                          | (4)      | 27, 006  |
| All other                                                                           | do.                                    | 24, 416  | 17, 728     | 7, 433      | 76, 919                      | 46, 263  | 13, 473  |
| Canned fruits                                                                       |                                        |          |             |             | 137, 399                     | 79, 375  | 82, 332  |
| Apples                                                                              | Case <sup>2</sup>                      | 3, 593   | 2, 067      | 2, 554      | 7, 941                       | 3, 322   | 4, 171   |
| Apricots                                                                            | do.                                    | 4, 267   | 2, 116      | 2, 489      | 17, 134                      | 5, 501   | 6, 038   |
| Berries                                                                             | do.                                    | 2, 443   | 2, 550      | 1, 443      | 10, 528                      | 7, 758   | 3, 919   |
| Cherries                                                                            | do.                                    | 2, 141   | 1, 904      | 2, 554      | 11, 781                      | 5, 556   | 6, 445   |
| Fruits for salad                                                                    | do.                                    | 1, 680   | 1, 573      | 2, 242      | 11, 005                      | 6, 937   | 9, 188   |
| Grapefruit                                                                          | do.                                    | 1, 175   | 1, 599      | 2, 280      | 4, 137                       | 3, 835   | 4, 890   |
| Peaches                                                                             | do.                                    | 8, 724   | 8, 617      | 10, 487     | 35, 675                      | 22, 040  | 24, 496  |
| Pears                                                                               | do.                                    | 4, 932   | 3, 918      | 4, 853      | 24, 450                      | 12, 124  | 13, 093  |
| All other                                                                           | do.                                    | 4, 023   | 4, 080      | 4, 739      | 14, 740                      | 11, 702  | 10, 421  |
| Dried fruits                                                                        | Pound                                  | 938, 699 | 1, 084, 355 | 1, 014, 069 | 75, 592                      | 80, 565  | 49, 422  |
| Apples                                                                              | do.                                    | 44, 620  | 44, 332     | 53, 283     | 5, 206                       | 3, 420   | 4, 160   |
| Apricots                                                                            | do.                                    | 43, 090  | 74, 138     | 33, 007     | 7, 320                       | 7, 348   | 6, 321   |
| Peaches                                                                             | do.                                    | 35, 850  | 50, 304     | 48, 608     | 4, 308                       | 3, 540   | 2, 770   |
| Prunes                                                                              | do.                                    | 347, 849 | 447, 190    | 405, 227    | 30, 302                      | 19, 941  | 18, 103  |
| Raisins                                                                             | do.                                    | 421, 204 | 391, 921    | 376, 009    | 23, 513                      | 20, 639  | 13, 803  |
| All other                                                                           | do.                                    | 46, 687  | 70, 494     | 47, 970     | 5, 183                       | 5, 777   | 2, 752   |
| Ketchup                                                                             |                                        |          |             |             | 24, 437                      | 15, 805  | 12, 786  |
| Kraut, in bulk <sup>4</sup>                                                         |                                        |          |             |             | 4, 271                       | 2, 664   | 2, 701   |
| Preserves, jams, jellies, etc.                                                      |                                        |          |             |             | 47, 149                      | 30, 405  | 21, 635  |
| Pickles                                                                             |                                        |          |             |             | 34, 481                      | 28, 923  | 21, 487  |
| Prepared mustard                                                                    |                                        |          |             |             | 8, 155                       | 6, 907   | 5, 726   |
| Salad dressings                                                                     |                                        |          |             |             | 43, 244                      | 29, 830  | 23, 424  |
| Sauces                                                                              |                                        |          |             |             | 9, 013                       | 6, 793   | 4, 575   |
| All other                                                                           |                                        |          |             |             | 12, 066                      | 9, 002   | 4, 351   |
| Fish, oysters, etc.                                                                 |                                        |          |             |             | 75, 993                      | 41, 359  | 39, 673  |
| Canned fish, oysters, etc.                                                          |                                        |          |             |             | 58, 470                      | 31, 079  | 31, 257  |
| Clams                                                                               | Case <sup>5</sup>                      | 167      | 127         | 150         | 943                          | 784      | 908      |
| Oysters                                                                             | do. <sup>6</sup>                       | 455      | 351         | 348         | 2, 174                       | 989      | 1, 075   |
| Salmon                                                                              | do. <sup>7</sup>                       | 1, 661   | 1, 187      | 1, 137      | 14, 308                      | 7, 615   | 7, 866   |
| Sardines                                                                            | do. <sup>8</sup>                       | 9, 273   | 4, 118      | 3, 927      | 18, 193                      | 7, 117   | 6, 202   |
| Shrimps                                                                             | do. <sup>9</sup>                       | 980      | 818         | 800         | 5, 535                       | 3, 393   | 3, 479   |
| Tuna                                                                                | do. <sup>10</sup>                      | 1, 641   | 1, 190      | 1, 443      | 10, 798                      | 7, 213   | 6, 934   |
| All other                                                                           | do. <sup>11</sup>                      | 1, 167   | 697         | 1, 307      | 6, 532                       | 3, 908   | 4, 701   |
| Cured fish                                                                          | Pound                                  | 99, 789  | 66, 364     | (1)         | 17, 523                      | 10, 280  | 8, 416   |
| <b>FLOUR, FEED, ETC.</b>                                                            |                                        |          |             |             |                              |          |          |
| Grains, ground: <sup>12</sup>                                                       |                                        |          |             |             |                              |          |          |
| Wheat                                                                               | Bushel <sup>13</sup>                   | 546, 242 | 526, 098    | 441, 036    |                              |          |          |
| Corn                                                                                | do. <sup>12</sup>                      | 87, 453  | 58, 902     | 42, 106     |                              |          |          |
| Oats                                                                                | do. <sup>13</sup>                      | 29, 006  | 11, 963     | 6, 004      |                              |          |          |
| Rye                                                                                 | do. <sup>13</sup>                      | 9, 671   | 8, 107      | 7, 469      |                              |          |          |
| Barley                                                                              | do. <sup>13</sup>                      | 9, 499   | 6, 902      | 4, 432      |                              |          |          |
| Buckwheat                                                                           | do. <sup>13</sup>                      | 2, 027   | 1, 310      | 476         |                              |          |          |
| Other grains                                                                        | do. <sup>13</sup>                      | 1, 939   | 1, 870      | 1, 056      |                              |          |          |
| Flour, meal, feed, etc., all industries <sup>1</sup>                                |                                        |          |             |             | 1, 040, 185                  | 595, 761 | 535, 891 |
| Wheat flour                                                                         | Barrel <sup>14</sup>                   | 120, 040 | 115, 364    | 97, 228     | 737, 309                     | 450, 855 | 428, 743 |
| Rye flour                                                                           | do.                                    | 1, 679   | 1, 568      | 1, 809      | 9, 179                       | 5, 336   | 5, 996   |
| Buckwheat flour                                                                     | Pound                                  | 38, 453  | 31, 092     | 16, 263     | 1, 570                       | 961      | 458      |
| Corn meal and flour                                                                 | Barrel <sup>15</sup>                   | 11, 077  | 8, 889      | 7, 593      | 55, 520                      | 28, 046  | 19, 549  |
| Other flour                                                                         | Pound                                  | 21, 091  | 16, 514     | (1)         | 782                          | 411      | 1, 451   |
| Bran and middlings                                                                  | Ton <sup>16</sup>                      | 4, 682   | 4, 826      | 3, 774      | 141, 985                     | 73, 672  | 57, 860  |
| Feed, screenings, etc.                                                              | do.                                    | 2, 472   | 1, 549      | 1, 092      | 93, 840                      | 36, 480  | 21, 866  |

For footnotes, see p. 673.

## No. 671.—FOOD MANUFACTURING INDUSTRIES: MATERIALS USED AND PRODUCTS—Continued

| Material and product                                                   | Quantity (thousand of unit specified) |           |         |           | Value (thousands of dollars) |         |         |
|------------------------------------------------------------------------|---------------------------------------|-----------|---------|-----------|------------------------------|---------|---------|
|                                                                        | Unit                                  | 1929      | 1931    | 1933      | 1929                         | 1931    | 1933    |
| <b>CEREAL PREPARATIONS</b>                                             |                                       |           |         |           |                              |         |         |
| Cereal preparations, prepared flour, etc., all industries <sup>1</sup> |                                       |           |         |           | 166,708                      | 133,878 | 109,660 |
| Breakfast foods                                                        |                                       |           |         |           | 121,107                      | 100,092 | 77,240  |
| Made from wheat                                                        | Pound.....                            | (U)       | (U)     | 359,588   | 47,386                       | 34,696  | 33,988  |
| Made from oats                                                         | do.....                               | 718,382   | 836,936 | 668,097   | 36,419                       | 29,613  | 19,189  |
| Made from corn                                                         | do.....                               | 383,887   | 371,169 | 312,304   | 27,458                       | 21,370  | 18,445  |
| Other                                                                  | do.....                               | 68,385    | 93,992  | (U)       | 9,843                        | 14,412  | 618     |
| Prepared flour                                                         | do.....                               | 1,002,399 | 951,513 | 910,479   | 39,076                       | 31,992  | 29,700  |
| Coffee substitutes                                                     | do.....                               | 19,816    | 12,327  | 8,634     | 5,253                        | 2,608   | 1,825   |
| All other                                                              |                                       |           |         |           | 3,272                        | 984     | 894     |
| <b>CORN SIRUP, CORN SUGAR, CORN OIL, AND STARCH</b>                    |                                       |           |         |           |                              |         |         |
| Corn sirup, corn oil, starch, etc., all industries <sup>1</sup>        |                                       |           |         |           | 135,216                      | 87,144  | 83,471  |
| Cornstarch                                                             | Pound.....                            | 1,046,435 | 756,549 | 985,026   | 39,285                       | 23,877  | 27,988  |
| Corn sirup (incl. mixtures)                                            | do.....                               | 1,165,183 | 980,237 | 1,066,364 | 40,553                       | 25,763  | 24,308  |
| Corn sugar                                                             | do.....                               | 896,121   | 802,440 | 829,924   | 30,217                       | 20,441  | 18,026  |
| Corn oil                                                               | do.....                               | 176,499   | 142,215 | 123,505   | 20,165                       | 12,250  | 3,401   |
| All other                                                              |                                       |           |         |           | 4,966                        | 4,813   | 4,749   |
| <b>BEET SUGAR</b>                                                      |                                       |           |         |           |                              |         |         |
| Beets treated                                                          | Ton <sup>16</sup> .....               | 6,951     | 7,620   | (U)       |                              |         |         |
| All products, total value                                              |                                       |           |         |           | 108,563                      | 85,673  | 127,133 |
| Sugar                                                                  | Ton <sup>16</sup> .....               | 1,086     | 1,165   | 1,626     | 100,787                      | 81,812  | 121,171 |
| Molasses                                                               | do.....                               | 78        | 86      | 176       | 1,160                        | 304     | 877     |
| Pulp                                                                   | do.....                               | 1,461     | 1,376   | 2,098     | 5,231                        | 2,833   | 4,219   |
| All other                                                              |                                       |           |         |           | 1,366                        | 634     | 895     |
| <b>CANE SUGAR</b>                                                      |                                       |           |         |           |                              |         |         |
| Cane crushed                                                           | Ton <sup>16</sup> .....               | 2,726     | 2,659   | (U)       |                              |         |         |
| All products, total value                                              |                                       |           |         |           | 13,326                       | 13,981  | 16,233  |
| Sugar                                                                  | Ton <sup>16</sup> .....               | 180       | 176     | 237       | 13,750                       | 11,704  | 15,281  |
| Molasses other than blackstrap                                         | Gallon.....                           | 7,957     | 5,095   | 8,068     | 1,370                        | 761     | 1,045   |
| Blackstrap molasses                                                    | do.....                               | 10,874    | 10,485  | 9,643     | 1,068                        | 405     | 507     |
| Sirup                                                                  | do.....                               | 4,625     | 3,551   | 3,405     | 1,341                        | 924     | 869     |
| All other                                                              |                                       |           |         |           | 777                          | 187     | 531     |
| <b>CANE SUGAR REFINING</b>                                             |                                       |           |         |           |                              |         |         |
| Raw sugar treated                                                      | Ton <sup>16</sup> .....               | 5,296     | 4,634   | (U)       |                              |         |         |
| All products, total value                                              |                                       |           |         |           | 507,389                      | 395,308 | 337,075 |
| Refinery products                                                      |                                       |           |         |           | 507,198                      | 395,151 | 337,075 |
| Refined sugar                                                          | Ton <sup>16</sup> .....               | 5,115     | 4,430   | 3,938     | 502,404                      | 392,199 | 334,441 |
| Sirup                                                                  | Gallon.....                           | 4,320     | 3,399   | 3,692     | 920                          | 720     | 559     |
| Refiners' blackstrap                                                   | do.....                               | 32,169    | 20,888  | 19,600    | 3,044                        | 1,090   | 842     |
| Misc. sugar products                                                   |                                       |           |         |           | 830                          | 1,141   | 1,234   |
| All other products                                                     |                                       |           |         |           | 191                          | 152     |         |
| <b>CHOCOLATE AND COCOA PRODUCTS</b>                                    |                                       |           |         |           |                              |         |         |
| Chocolate, cocoa, etc., all industries <sup>1</sup>                    |                                       |           |         |           | 119,559                      | 87,125  | 67,116  |
| Chocolate, except coatings                                             | Pound.....                            | 152,984   | 148,880 | 173,404   | 48,204                       | 35,220  | 25,710  |
| Chocolate coatings                                                     | do.....                               | 286,855   | 252,134 | 236,462   | 48,945                       | 34,523  | 22,470  |
| Cocoa                                                                  | do.....                               | 105,664   | 109,101 | 119,435   | 15,064                       | 11,698  | 10,440  |
| Cocoa butter                                                           | do.....                               | 19,184    | 23,701  | 29,900    | 5,428                        | 3,612   | 3,295   |
| Other chocolate and cocoa products                                     |                                       |           |         |           | 1,728                        | 2,070   | 2,200   |

<sup>1</sup> Includes beside amounts produced in the industry primarily engaged in making these products, data for similar products made in establishments classified in other industries.

<sup>2</sup> Actual number of cases of all sizes.

<sup>3</sup> See also "Kraut in bulk" under "Pickles, sauces, etc."

<sup>4</sup> No comparable data; included in all other.

<sup>5</sup> See also under "Canned vegetables and soup."

<sup>6</sup> 48 No. 1 cans.

<sup>7</sup> 43 1-pound cans.

<sup>8</sup> 100 No. ¼ cans.

<sup>9</sup> Forty-eight 5¼-ounce cans for wet pack and forty-eight 5-ounce cans for dry pack.

<sup>10</sup> 48 No. ½ cans.

<sup>11</sup> No data.

<sup>12</sup> In "Flour and other grain-mill products" industry only.

<sup>13</sup> Weight of bushel: Wheat, 60 pounds; corn and rye, 56; buckwheat and barley, 48; oats, 32.

<sup>14</sup> 196 pounds. <sup>15</sup> 200 pounds. <sup>16</sup> 2,000 pounds.

Source: Bureau of the Census, Department of Commerce.



## 29.—FORESTS AND FOREST PRODUCTS

[Data in this section relate to continental United States only except those for national forests which include Alaska, or Alaska and Puerto Rico, as indicated]

### No. 672.—FORESTS: ESTIMATED ORIGINAL AREA, AREA IN 1930, STAND OF SAW TIMBER, AND ANNUAL GROWTH, 1930, BY REGIONS

NOTE.—Data in the following table are necessarily approximate. The original area and area in 1930 refer only to land capable of producing commercial timber in commercial quantities, and do not include the low-grade woodland and scrub; the 11,000,000 acres in parks, monuments, etc., are excluded from the forest area in 1930. Annual growth relates to acreage specified as growing area, other areas having no growth in excess of decay

| Region                                  | Original area (thousand acres) | Area (thousand acres), 1930 |            |            |               |           |                                  |                         |
|-----------------------------------------|--------------------------------|-----------------------------|------------|------------|---------------|-----------|----------------------------------|-------------------------|
|                                         |                                | Total                       | Saw timber |            |               | Cord-wood | Fair to satisfactory re-stocking | Poor to non-re-stocking |
|                                         |                                |                             | Total      | Old growth | Second growth |           |                                  |                         |
| <b>Total</b> .....                      | 816, 158                       | 494, 898                    | 188, 645   | 98, 855    | 89, 790       | 120, 881  | 102, 073                         | 88, 269                 |
| New England <sup>1</sup> .....          | 38, 908                        | 27, 273                     | 13, 860    | 7, 076     | 5, 884        | 4, 843    | 6, 145                           | 2, 425                  |
| Middle Atlantic <sup>2</sup> .....      | 69, 610                        | 27, 139                     | 7, 294     | 28         | 7, 268        | 10, 518   | 5, 008                           | 3, 320                  |
| Lake <sup>3</sup> .....                 | 104, 320                       | 55, 895                     | 6, 095     | 2, 664     | 2, 431        | 8, 880    | 28, 165                          | 13, 755                 |
| Central <sup>4</sup> .....              | 163, 840                       | 64, 249                     | 21, 224    | 1, 864     | 19, 560       | 25, 592   | 12, 245                          | 5, 188                  |
| South <sup>5</sup> .....                | 298, 640                       | 190, 758                    | 57, 265    | 14, 338    | 42, 927       | 52, 702   | 37, 236                          | 43, 555                 |
| Pacific coast <sup>6</sup> .....        | 77, 120                        | 66, 685                     | 44, 140    | 38, 892    | 5, 248        | 6, 683    | 6, 190                           | 0, 672                  |
| North Rocky Mountain <sup>7</sup> ..... | 33, 490                        | 32, 320                     | 17, 026    | 15, 172    | 1, 854        | 5, 704    | 5, 933                           | 3, 066                  |
| South Rocky Mountain <sup>8</sup> ..... | 30, 230                        | 30, 570                     | 22, 741    | 18, 128    | 4, 618        | 5, 959    | 161                              | 1, 709                  |

| Region                                  | Stand of saw timber (millions of board feet), 1930 |             |            | Annual growth of usable material on commercial forest areas, 1930 |            |            |                                            |            |            |
|-----------------------------------------|----------------------------------------------------|-------------|------------|-------------------------------------------------------------------|------------|------------|--------------------------------------------|------------|------------|
|                                         | Total                                              | Soft-woods  | Hard-woods | Combined saw-timber and cordwood growth (millions of cubic feet)  |            |            | Saw-timber growth (millions of board feet) |            |            |
|                                         |                                                    |             |            | Total                                                             | Soft-woods | Hard-woods | Total                                      | Soft-woods | Hard-woods |
| <b>Total</b> .....                      | 1, 667, 803                                        | 1, 485, 850 | 181, 953   | 8, 912                                                            | 4, 810     | 4, 102     | 11, 731                                    | 8, 811     | 3, 420     |
| New England <sup>1</sup> .....          | 57, 875                                            | 32, 811     | 25, 064    | 427                                                               | 162        | 265        | 764                                        | 410        | 354        |
| Middle Atlantic <sup>2</sup> .....      | 26, 150                                            | 8, 245      | 17, 905    | 634                                                               | 114        | 520        | 575                                        | 172        | 403        |
| Lake <sup>3</sup> .....                 | 35, 887                                            | 9, 103      | 26, 094    | 644                                                               | 167        | 477        | 118                                        | 12         | 104        |
| Central <sup>4</sup> .....              | 34, 622                                            | 2, 900      | 31, 722    | 1, 128                                                            | 83         | 1, 045     | 727                                        | 41         | 686        |
| South <sup>5</sup> .....                | 199, 297                                           | 121, 449    | 77, 848    | 4, 784                                                            | 2, 994     | 1, 790     | 6, 709                                     | 4, 946     | 1, 853     |
| Pacific coast <sup>6</sup> .....        | 1, 041, 628                                        | 1, 088, 909 | 2, 719     | 680                                                               | 675        | 5          | 1, 785                                     | 1, 765     | 20         |
| North Rocky Mountain <sup>7</sup> ..... | 146, 388                                           | 146, 388    | -----      | 416                                                               | 416        | -----      | 576                                        | 576        | -----      |
| South Rocky Mountain <sup>8</sup> ..... | 125, 956                                           | 125, 055    | 1          | 199                                                               | 199        | -----      | 389                                        | 389        | -----      |

<sup>1</sup> Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

<sup>2</sup> New York, New Jersey, Pennsylvania, Delaware, and Maryland.

<sup>3</sup> Michigan, Wisconsin, Minnesota, and North Dakota.

<sup>4</sup> Ohio, Indiana, Illinois, West Virginia, Kentucky, Tennessee, Iowa, and Missouri. Data for Kansas and Nebraska are not available, but these omissions from the central region estimates are unimportant.

<sup>5</sup> Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Arkansas, Louisiana, Texas, and Oklahoma.

<sup>6</sup> California, Oregon, and Washington.

<sup>7</sup> Idaho and Montana.

<sup>8</sup> Wyoming, Colorado, South Dakota, New Mexico, Arizona, Utah, and Nevada.

Source: Forest Service, Department of Agriculture.

# No. 673.—STAND OF SAW TIMBER (ESTIMATED): BY REGION AND KIND OF WOOD, 1930

[Quantity in millions of board feet]

| Kind of wood                         | Total            | New Eng-land  | Middle At-lantic | Lake          | Central       | South          | Pacific coast    | North Rocky Mountain | South Rocky Mountain |
|--------------------------------------|------------------|---------------|------------------|---------------|---------------|----------------|------------------|----------------------|----------------------|
| <b>Grand total.....</b>              | <b>1,687,803</b> | <b>57,875</b> | <b>26,150</b>    | <b>35,887</b> | <b>34,622</b> | <b>199,297</b> | <b>1,041,628</b> | <b>148,388</b>       | <b>125,966</b>       |
| <b>Eastern hardwoods, total.....</b> | <b>179,233</b>   | <b>25,064</b> | <b>17,905</b>    | <b>26,694</b> | <b>31,722</b> | <b>77,848</b>  |                  |                      |                      |
| Oak.....                             | 60,753           | 1,048         | 4,783            | 6,017         | 16,315        | 32,590         |                  |                      |                      |
| Birch, beech, and maple.....         | 40,943           | 20,973        | 8,555            | 13,459        | 4,401         | 2,555          |                  |                      |                      |
| Red gum.....                         | 15,488           |               | 71               |               | 874           | 14,543         |                  |                      |                      |
| Tupelo.....                          | 6,242            |               |                  |               | 116           | 6,226          |                  |                      |                      |
| Yellow poplar.....                   | 5,172            | 18            | 203              |               | 1,635         | 3,316          |                  |                      |                      |
| Cottonwood and aspen.....            | 4,437            | 2,022         | 20               | 887           | 222           | 1,286          |                  |                      |                      |
| Others.....                          | 37,098           | 1,003         | 4,273            | 6,331         | 8,159         | 17,332         |                  |                      |                      |
| <b>Eastern softwoods, total.....</b> | <b>174,598</b>   | <b>32,811</b> | <b>8,245</b>     | <b>9,183</b>  | <b>2,900</b>  | <b>131,449</b> |                  |                      |                      |
| Southern yellow pine.....            | 118,182          |               | 597              |               | 1,433         | 116,102        |                  |                      |                      |
| Spruce and fir.....                  | 21,533           | 18,720        | 1,564            | 843           | 175           | 231            |                  |                      |                      |
| White and Norway pine.....           | 14,672           | 8,390         | 3,530            | 2,392         | 189           | 201            |                  |                      |                      |
| Hemlock.....                         | 12,198           | 3,075         | 2,462            | 4,612         | 765           | 684            |                  |                      |                      |
| Cypress.....                         | 4,140            |               |                  |               | 263           | 3,877          |                  |                      |                      |
| Others.....                          | 3,923            | 2,026         | 92               | 1,346         | 105           | 354            |                  |                      |                      |
| <b>Western hardwoods, total.....</b> | <b>2,720</b>     |               |                  |               |               |                | <b>2,719</b>     |                      | <b>1</b>             |
| <b>Western softwoods, total.....</b> | <b>1,311,262</b> |               |                  |               |               |                | <b>1,088,909</b> | <b>148,388</b>       | <b>125,966</b>       |
| Douglas fir.....                     | 530,197          |               |                  |               |               |                | 484,138          | 33,933               | 12,126               |
| Western yellow pine.....             | 251,560          |               |                  |               |               |                | 178,051          | 31,938               | 41,571               |
| True fir.....                        | 131,933          |               |                  |               |               |                | 109,196          | 14,594               | 8,143                |
| Western hemlock.....                 | 80,464           |               |                  |               |               |                | 86,464           |                      |                      |
| Spruce.....                          | 61,582           |               |                  |               |               |                | 12,782           | 12,513               | 36,287               |
| Redwood.....                         | 67,233           |               |                  |               |               |                | 67,233           |                      |                      |
| Lodgepole pine.....                  | 43,276           |               |                  |               |               |                | 2,143            | 14,556               | 26,577               |
| Sugar pine.....                      | 35,516           |               |                  |               |               |                | 35,516           |                      |                      |
| Western larch.....                   | 26,118           |               |                  |               |               |                | 8,043            | 18,075               |                      |
| Western white pine.....              | 19,808           |               |                  |               |               |                | 3,944            | 15,564               |                      |
| Others.....                          | 67,865           |               |                  |               |               |                | 61,399           | 5,215                | 1,251                |

## No. 674.—NATIONAL FORESTS: AREA AND STANDING TIMBER

NOTE.—In December 1935 it was estimated that there were 18,511,279 acres of State forests, including forest preserves of New York, Hawaiian and Puerto Rican forest reserves, State parks, and other forest lands belonging to States; also 5,063,413 acres of municipal and county forests and parks

| State                  | Net area,<br>142 forests,<br>June 30,<br>1935 (acres) | Standing timber,<br>Dec. 31, 1930 |                                           | State                      | Net area,<br>142 forests,<br>June 30,<br>1935 (acres) | Standing timber,<br>Dec. 31, 1930 |                                           |
|------------------------|-------------------------------------------------------|-----------------------------------|-------------------------------------------|----------------------------|-------------------------------------------------------|-----------------------------------|-------------------------------------------|
|                        |                                                       | Saw tim-ber (mil-lion board feet) | Cord-wood on cord-wood area (1,000 cords) |                            |                                                       | Saw tim-ber (mil-lion board feet) | Cord-wood on cord-wood area (1,000 cords) |
| <b>Total.....</b>      | <b>163,310,002</b>                                    | <b>633,340</b>                    | <b>149,142</b>                            | <b>New Hampshire.....</b>  | <b>1 510,367</b>                                      | <b>1,067</b>                      | <b>1,253</b>                              |
| <b>Cont'l U.S.....</b> | <b>141,953,918</b>                                    | <b>552,465</b>                    | <b>141,528</b>                            | <b>New Mexico.....</b>     | <b>8,537,036</b>                                      | <b>9,028</b>                      |                                           |
| Alabama.....           | 1 135,440                                             | 254                               | 5                                         | <b>North Carolina.....</b> | <b>1 2 452,536</b>                                    | <b>503</b>                        | <b>1,080</b>                              |
| Arizona.....           | 11 389,484                                            | 14,059                            |                                           | <b>Oklahoma.....</b>       | <b>1 153,760</b>                                      |                                   |                                           |
| Arkansas.....          | 1 1,328,808                                           | 1,442                             |                                           | <b>Oregon.....</b>         | <b>13,525,795</b>                                     | <b>162,638</b>                    | <b>16,113</b>                             |
| California.....        | 19,163,818                                            | 102,251                           | 62                                        | <b>Pennsylvania.....</b>   | <b>1 381,862</b>                                      | <b>94</b>                         | <b>608</b>                                |
| Colorado.....          | 13,647,537                                            | 38,251                            | 8,405                                     | <b>South Carolina.....</b> | <b>1 48,413</b>                                       | <b>103</b>                        | <b>90</b>                                 |
| Florida.....           | 1 607,406                                             | 171                               | 702                                       | <b>South Dakota.....</b>   | <b>1,006,622</b>                                      | <b>2,910</b>                      | <b>1,635</b>                              |
| Georgia.....           | 1 388,929                                             | 308                               | 564                                       | <b>Tennessee.....</b>      | <b>1 398,774</b>                                      | <b>369</b>                        | <b>263</b>                                |
| Idaho.....             | 19,075,239                                            | 58,275                            | 21,191                                    | <b>Utah.....</b>           | <b>7,540,807</b>                                      | <b>7,283</b>                      | <b>681</b>                                |
| Illinois.....          | 10,710                                                |                                   |                                           | <b>Vermont.....</b>        | <b>1 58,453</b>                                       |                                   |                                           |
| Louisiana.....         | 1 88,455                                              | 5                                 | 62                                        | <b>Virginia.....</b>       | <b>1 623,336</b>                                      | <b>777</b>                        | <b>3,470</b>                              |
| Maine.....             | 1 32,781                                              | 52                                |                                           | <b>Washington.....</b>     | <b>9,612,900</b>                                      | <b>102,309</b>                    | <b>12,525</b>                             |
| Michigan.....          | 1 708,874                                             | 85                                | 160                                       | <b>West Virginia.....</b>  | <b>1 346,470</b>                                      | <b>75</b>                         | <b>480</b>                                |
| Minnesota.....         | 1 1,256,283                                           | 1,104                             | 4,468                                     | <b>Wisconsin.....</b>      | <b>1 549,239</b>                                      | <b>11</b>                         | <b>15</b>                                 |
| Montana.....           | 16,157,372                                            | 30,565                            | 57,680                                    | <b>Wyoming.....</b>        | <b>8,472,022</b>                                      | <b>28,158</b>                     | <b>9,926</b>                              |
| Nebraska.....          | 206,026                                               |                                   |                                           | <b>Alaska.....</b>         | <b>21,342,601</b>                                     | <b>80,875</b>                     | <b>7,616</b>                              |
| Nevada.....            | 4,930,334                                             | 228                               | 18                                        | <b>Puerto Rico.....</b>    | <b>1 13,483</b>                                       |                                   |                                           |

<sup>1</sup> Includes acreage actually acquired under the Weeks law, as amended by the Clarke-McNary law.  
<sup>2</sup> Includes 8,394 acres transferred from the Treasury Department.

Source of tables 673 and 674: Forest Service, Department of Agriculture.

**No. 675.—NATIONAL FORESTS: LAND IN COURSE OF ACQUISITION AND LAND ACQUIRED UNDER THE WEEKS LAW, AS AMENDED BY THE CLARKE-McNARY LAW, TO JUNE 30, 1935**

| State and administrative unit     | Area in course of acquisition | Area acquired      | State and administrative unit             | Area in course of acquisition | Area acquired   |
|-----------------------------------|-------------------------------|--------------------|-------------------------------------------|-------------------------------|-----------------|
|                                   | <i>Acres</i>                  | <i>Acres</i>       |                                           | <i>Acres</i>                  | <i>Acres</i>    |
| <b>Total</b> .....                | <b>5, 593, 068</b>            | <b>7, 208, 360</b> | <b>Missouri, total</b> .....              | <b>538, 449</b>               | <b>212, 226</b> |
| <b>Cont'l United States</b> ..... | <b>5, 593, 791</b>            | <b>7, 208, 320</b> | Clark.....                                | 202, 055                      | 70, 308         |
| Alabama, total.....               | 94, 172                       | 118, 230           | Fristoe.....                              | 95, 056                       | 111, 782        |
| Alabama.....                      | 11, 501                       | 118, 230           | Gardner.....                              | 54, 043                       | 5, 878          |
| Talladega.....                    | 82, 671                       |                    | Gasconade.....                            | 64, 742                       | 16, 150         |
| Arkansas total.....               | 355, 260                      | 412, 255           | Pond Fork.....                            | 40, 749                       | 8, 660          |
| Osachita (part).....              | 207, 111                      | 214, 001           | Wappapello.....                           | 79, 404                       | 4, 470          |
| Ozark.....                        | 148, 149                      | 198, 254           | New Hampshire: White Mountain (part)..... | 150, 503                      | 510, 367        |
| Florida, total.....               | 157, 052                      | 443, 937           | North Carolina, total.....                | 221, 340                      | 494, 347        |
| Apalachicola.....                 | 86, 728                       | 185, 015           | Cherokee (part).....                      | 13, 254                       | 8, 377          |
| Choctawhatchee.....               | 22, 696                       | 73, 577            | Croatan.....                              | 27, 009                       | 50, 659         |
| Ocala.....                        | 36, 058                       | 35, 465            | Nantahala (part).....                     | 75, 400                       | 161, 315        |
| Osceola.....                      | 4, 970                        | 149, 880           | Pisgah (part).....                        | 70, 972                       | 284, 496        |
| Georgia, total.....               | 19, 327                       | 390, 261           | Ucharie.....                              | 11, 032                       |                 |
| Cherokee (part).....              | 13, 809                       | 241, 800           | Unaka (part).....                         | 22, 983                       |                 |
| Nantahala (part).....             | 5, 618                        | 148, 461           | Oklahoma: Onachita (part).....            | 49, 156                       | 92, 280         |
| Illinois, total.....              | 108, 548                      | 10, 374            | Pennsylvania: Allegheny.....              | 37, 080                       | 383, 745        |
| Illini.....                       | 49, 351                       | 8, 443             | South Carolina, total.....                | 286, 356                      | 115, 411        |
| Shawnee.....                      | 57, 197                       | 1, 931             | Enoree.....                               | 75, 206                       |                 |
| Kentucky: Cumberland.....         | 221, 085                      | 70, 835            | Long Cane.....                            | 45, 121                       |                 |
| Louisiana, total.....             | 48, 185                       | 363, 811           | Nantahala (part).....                     | 2, 540                        | 48, 413         |
| Catahoula.....                    | 36, 911                       | 152, 212           | Wambaw.....                               | 163, 489                      | 66, 998         |
| Evangeline.....                   | 3, 716                        | 53, 698            | Tennessee, total.....                     | 103, 286                      | 398, 770        |
| Kisatchie.....                    | 7, 323                        | 88, 455            | Cherokee (part).....                      | 50, 231                       | 205, 526        |
| Vernon.....                       | 235                           | 69, 446            | Pisgah (part).....                        | 3, 253                        | 87, 175         |
| Maine: White Mountain (part)..... | 2, 661                        | 33, 781            | Unaka (part).....                         | 43, 802                       | 150, 069        |
| Michigan, total.....              | 550, 351                      | 527, 133           | Texas, total.....                         | 605, 690                      |                 |
| Hiawatha.....                     | 183, 914                      | 149, 406           | Angelina.....                             | 133, 582                      |                 |
| Huron.....                        | 30, 892                       | 114, 616           | Davy Crockett.....                        | 180, 842                      |                 |
| Manistee.....                     | 97, 531                       | 15, 394            | Sabine.....                               | 168, 775                      |                 |
| Marquette.....                    | 56, 110                       | 83, 674            | San Jacinto.....                          | 142, 391                      |                 |
| Ottawa.....                       | 181, 004                      | 163, 983           | Vermont: Green Mountain.....              | 90, 733                       | 58, 408         |
| Minnesota, total.....             | 283, 589                      | 468, 447           | Virginia, total.....                      | 197, 068                      | 623, 201        |
| Chippewa.....                     | 130, 051                      | 93, 200            | Clinch.....                               | 36, 456                       |                 |
| Mesaba.....                       | 20, 999                       | 87, 613            | George Washington (part).....             | 56, 928                       | 552, 633        |
| Superior.....                     | 120, 639                      | 277, 634           | Monongahela (part).....                   | 34, 470                       | 10, 414         |
| Mississippi, total.....           | 538, 058                      | 350, 772           | Mountain Lake.....                        | 44, 318                       |                 |
| Bienville.....                    | 165, 699                      |                    | Unaka (part).....                         | 24, 890                       | 60, 154         |
| Biola.....                        | 56, 087                       | 69, 974            | West Virginia, total.....                 | 257, 569                      | 518, 802        |
| Chickasawhay.....                 | 56, 556                       | 77, 598            | George Washington (part).....             | 15, 043                       | 70, 597         |
| Holly Springs.....                | 72, 800                       | 6, 832             | Monongahela (part).....                   | 239, 426                      | 448, 405        |
| Homochitto.....                   | 98, 426                       | 74, 881            | Wisconsin, total.....                     | 625, 273                      | 610, 428        |
| Leaf River.....                   | 83, 490                       | 120, 276           | Chequamegon.....                          | 319, 868                      | 416, 343        |
| McNeill Experimental Forest.....  |                               | 1, 211             | Nicolet.....                              | 305, 406                      | 194, 086        |
|                                   |                               |                    | Puerto Rico, total.....                   | 4, 267                        | 1, 040          |
|                                   |                               |                    | Caribbean.....                            | 2, 882                        | 1, 040          |
|                                   |                               |                    | Toro Negro.....                           | 1, 386                        |                 |

Source: Forest Service, Department of Agriculture.

**No. 676.—NATIONAL FORESTS: SUMMARY OF OPERATIONS**

NOTE.—Data for revenue for all years and for the first three items for 1933 to 1935 are for years ended June 30; other data are for calendar years. Figures include data for national forests in Alaska

| Item                                         | 1920        | 1930        | 1931        | 1932        | 1933        | 1934        | 1935        |
|----------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Timber sales:</b>                         |             |             |             |             |             |             |             |
| Number.....                                  | 13, 864     | 15, 098     | 15, 873     | 14, 362     | 14, 268     | 16, 433     | 17, 520     |
| Quantity..... M ft. l.                       | 1, 060, 894 | 3, 370, 417 | 605, 306    | 352, 584    | 356, 792    | 402, 089    | 2 669, 688  |
| Timber cut under sales..... do.              | 1, 421, 188 | 1, 254, 963 | 793, 816    | 883, 721    | 389, 500    | 698, 751    | 668, 246    |
| <b>Free timber given:</b>                    |             |             |             |             |             |             |             |
| Number of users.....                         | 42, 135     | 53, 930     | 81, 618     | 125, 472    | 134, 085    | 113, 821    | 108, 408    |
| Timber cut..... M ft. l.                     | 86, 768     | 116, 096    | 167, 680    | 270, 244    | 265, 812    | 248, 243    | 318, 769    |
| Value..... dolls.                            | 97, 518     | 116, 786    | 182, 017    | 226, 947    | 237, 044    | 210, 175    | 279, 921    |
| <b>Grazing, kinds of stock: <sup>a</sup></b> |             |             |             |             |             |             |             |
| Cattle..... No.                              | 1, 322, 465 | 1, 315, 582 | 1, 338, 373 | 1, 361, 160 | 1, 366, 538 | 1, 389, 387 | 1, 315, 233 |
| Goats..... do.                               | 15, 487     | 13, 496     | 14, 045     | 12, 438     | 11, 045     | 9, 124      | 9, 145      |
| Swine..... do.                               | 858         | 540         | 431         | 528         | 533         | 315         | 292         |
| Horses..... do.                              | 48, 171     | 41, 661     | 87, 335     | 35, 105     | 31, 797     | 29, 549     | 26, 085     |
| Sheep..... do.                               | 6, 650, 719 | 6, 700, 546 | 6, 593, 583 | 6, 308, 500 | 6, 150, 921 | 6, 162, 244 | 5, 681, 938 |

For footnotes see next page.

## No. 676.—NATIONAL FORESTS: SUMMARY OF OPERATIONS—Continued

| Item                      | 1929      | 1930      | 1931      | 1932      | 1933      | 1934      | 1935      |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Revenue, total.....dolls. | 6,299,802 | 6,761,553 | 4,993,320 | 2,294,247 | 2,629,049 | 3,314,691 | 3,291,312 |
| From—                     |           |           |           |           |           |           |           |
| Timber.....do             | 4,108,595 | 4,389,893 | 2,807,615 | 1,049,108 | 782,808   | 1,522,356 | 1,731,355 |
| Water power.....do        | 113,228   | 107,493   | 112,308   | 116,352   | 80,192    | 124,946   | 89,973    |
| Special uses.....do       | 287,119   | 300,257   | 301,712   | 236,157   | 278,182   | 297,831   | 815,529   |
| Grazing.....do            | 1,740,290 | 1,942,914 | 1,960,642 | 829,980   | 1,498,209 | 1,358,688 | 1,161,153 |
| All other.....do          | 50,570    | 10,996    | 11,040    | 6,670     | 6,658     | 10,870    | 3,002     |

<sup>1</sup> Board measure.<sup>2</sup> Amount sold is to be cut during a period of years; hence greater than amount cut in these years.<sup>3</sup> Number actually grazed under permit.<sup>4</sup> Includes receipts from timber and turpentine sales, timber settlement and trespass.

## No. 677.—FOREST FIRES: AREA, NUMBER, AND DAMAGE

NOTE.—Data were compiled from reports by the National Forest Supervisors and from those of cooperating States. Figures for fires on national parks were excluded prior to 1931 and on Indian reservations prior to 1932

| Year      | Area needing protection | Area protected | Area unprotected <sup>1</sup> | Number of fires   |                                  | Area burned       |                                  | Damage <sup>2</sup> |                                  |
|-----------|-------------------------|----------------|-------------------------------|-------------------|----------------------------------|-------------------|----------------------------------|---------------------|----------------------------------|
|           |                         |                |                               | On protected area | On unprotected area <sup>1</sup> | On protected land | On unprotected land <sup>1</sup> | On protected area   | On unprotected area <sup>1</sup> |
|           | 1,000 acres             | 1,000 acres    | 1,000 acres                   |                   |                                  | 1,000 acres       | 1,000 acres                      | 1,000 dollars       | 1,000 dollars                    |
| 1929..... | 599,565                 | 395,875        | 203,890                       | 44,076            | 90,819                           | 4,876             | 41,354                           | 14,139              | 87,917                           |
| 1930..... | 937,921                 | 399,142        | 208,779                       | 70,832            | 129,148                          | 5,809             | 46,457                           | 14,597              | 51,371                           |
| 1931..... | 617,324                 | 400,733        | 216,541                       | 62,174            | 128,040                          | 9,406             | 46,200                           | 17,018              | 50,069                           |
| 1932..... | 625,865                 | 405,243        | 220,617                       | 60,500            | 106,899                          | 3,652             | 38,410                           | 7,873               | 46,581                           |
| 1933..... | 661,619                 | 442,955        | 218,664                       | 83,287            | 87,435                           | 3,723             | 40,167                           | 17,313              | 42,957                           |
| 1934..... | 674,704                 | 465,146        | 209,558                       | 69,318            | 93,345                           | 4,173             | 37,648                           | 8,100               | 37,273                           |
| 1935..... | 673,573                 | 469,194        | 204,376                       | 62,554            | 77,743                           | 2,539             | 27,797                           | 4,251               | 28,329                           |

<sup>1</sup> Figures are based upon partial information only, from incomplete reports. Reliable data are not available prior to organized protection.<sup>2</sup> Figures do not take into account the vast amount of intangible and indirect damage resulting from forest fires, such as that through decay of damaged timbers, replacements of desirable species of trees by less desirable but more fire-resistant ones, soil deterioration and erosion, loss of wild life, uncertain stream flow, interrupted tourist traffic, and the like.<sup>3</sup> The increase in total acreage is primarily nonforest land.

## No. 678.—FOREST FIRES: NUMBER, AREA BURNED, AND DAMAGE, BY CAUSES, PROTECTED AREAS ONLY

| Year                 | Lightning | Railroads | Campers | Smokers   | Debris burning | Incendiary | Lumbering  | Miscellaneous | Unknown   |
|----------------------|-----------|-----------|---------|-----------|----------------|------------|------------|---------------|-----------|
| Number of fires:     |           |           |         |           |                |            |            |               |           |
| 1929.....            | 4,312     | 3,652     | 3,837   | 9,507     | 5,337          | 7,930      | 1,839      | 4,105         | 3,497     |
| 1930.....            | 5,217     | 4,625     | 5,011   | 17,460    | 9,180          | 14,394     | 1,626      | 6,987         | 6,332     |
| 1931.....            | 3,784     | 2,966     | 5,287   | 14,579    | 7,454          | 15,472     | 1,082      | 6,256         | 5,294     |
| 1932.....            | 3,399     | 2,383     | 4,969   | 15,538    | 7,582          | 16,410     | 583        | 5,337         | 4,299     |
| 1933.....            | 3,347     | 2,182     | 4,098   | 14,707    | 6,859          | 12,097     | 801        | 5,929         | 3,267     |
| 1934.....            | 6,229     | 3,070     | 4,595   | 15,808    | 9,632          | 17,516     | 902        | 5,929         | 5,640     |
| 1935.....            | 5,317     | 2,599     | 4,223   | 14,990    | 7,387          | 16,461     | 1,200      | 5,827         | 4,550     |
| Area burned (acres): |           |           |         |           |                |            |            |               |           |
| 1929.....            | 355,940   | 119,060   | 319,480 | 807,340   | 585,940        | 1,652,870  | 359,420    | 447,010       | 229,260   |
| 1930.....            | 106,630   | 259,120   | 294,960 | 1,044,460 | 736,480        | 1,766,090  | 175,540    | 623,810       | 802,230   |
| 1931.....            | 221,160   | 141,580   | 396,830 | 927,620   | 644,910        | 2,224,570  | 146,900    | 1,002,420     | 672,350   |
| 1932.....            | 29,460    | 56,190    | 413,310 | 554,530   | 423,680        | 1,493,760  | 60,280     | 304,560       | 270,150   |
| 1933.....            | 36,630    | 79,640    | 253,150 | 674,430   | 383,850        | 995,240    | 326,440    | 585,790       | 229,110   |
| 1934.....            | 401,600   | 138,160   | 162,420 | 668,000   | 637,410        | 1,445,060  | 118,720    | 380,300       | 222,700   |
| 1935.....            | 50,660    | 70,680    | 128,890 | 349,270   | 289,060        | 1,064,400  | 80,720     | 326,060       | 189,470   |
| Damage (dollars):    |           |           |         |           |                |            |            |               |           |
| 1929.....            | 1,723,920 | 580,410   | 784,450 | 2,368,440 | 859,440        | 3,732,750  | 2,401,950  | 1,144,030     | 500,530   |
| 1930.....            | 331,720   | 1,005,450 | 572,310 | 2,344,420 | 1,706,590      | 2,984,020  | 449,880    | 1,639,630     | 3,200,570 |
| 1931.....            | 1,660,810 | 769,260   | 825,190 | 1,935,000 | 1,243,060      | 4,786,410  | 888,690    | 3,185,610     | 1,237,420 |
| 1932.....            | 41,270    | 156,230   | 784,180 | 1,794,700 | 942,360        | 2,082,140  | 87,910     | 537,220       | 988,670   |
| 1933.....            | 68,240    | 246,520   | 388,960 | 888,500   | 588,940        | 3,138,280  | 10,505,210 | 840,580       | 388,710   |
| 1934.....            | 453,850   | 238,080   | 322,550 | 2,188,230 | 970,760        | 2,063,170  | 320,080    | 770,550       | 482,880   |
| 1935.....            | 71,100    | 176,060   | 174,970 | 598,060   | 353,030        | 1,303,050  | 225,060    | 880,940       | 423,830   |

<sup>1</sup> Totals by causes for these years are less than total area burned or total damage, shown in tables 677 and 679 because of incomplete reports. See also note 2, Table 677, regarding data for damage.

Source of tables 676, 677, and 678: Forest Service, Department of Agriculture.

# No. 679.—FOREST FIRES: CLASSIFICATION OF AREA BURNED AND DAMAGE, PROTECTED AREAS ONLY

## AREA BURNED (acres)

| Year | Productive forest      |              |             | Nonproductive area |             |                               |             | Grand total |
|------|------------------------|--------------|-------------|--------------------|-------------|-------------------------------|-------------|-------------|
|      | Mature or merchantable | Young growth | Total       | Protection         |             | No protection or forest value | Total       |             |
|      |                        |              |             | Forest             | Other       |                               |             |             |
| 1929 | 963, 720               | 2, 337, 580  | 3, 291, 300 | 340, 760           | 855, 470    | 388, 800                      | 1, 585, 020 | 4, 876, 320 |
| 1930 | 1, 322, 160            | 3, 399, 800  | 4, 721, 960 | 55, 870            | 759, 180    | 262, 310                      | 1, 087, 360 | 5, 809, 320 |
| 1931 | 1, 272, 470            | 2, 874, 690  | 4, 147, 160 | 278, 710           | 1, 677, 950 | 402, 050                      | 2, 258, 710 | 6, 405, 870 |
| 1932 | 726, 730               | 2, 054, 720  | 2, 781, 450 | 136, 430           | 561, 570    | 172, 700                      | 870, 700    | 3, 652, 210 |
| 1933 | 816, 560               | 1, 937, 080  | 2, 753, 640 | 71, 490            | 626, 710    | 271, 110                      | 969, 280    | 3, 722, 920 |
| 1934 | 874, 770               | 2, 044, 660  | 2, 919, 430 |                    | 889, 320    | 364, 290                      | 1, 253, 610 | 4, 173, 040 |
| 1935 | 493, 110               | 1, 523, 830  | 2, 016, 940 |                    | 811, 060    | 211, 110                      | 522, 170    | 2, 539, 110 |

## DAMAGE<sup>1</sup> (dollars)

| Year      | Timber       | Reproduction | Forage   | Other       | Total        | Protection forest value | Grand total  |
|-----------|--------------|--------------|----------|-------------|--------------|-------------------------|--------------|
| 1929..... | 5, 965, 850  | 3, 664, 750  | 403, 100 | 2, 911, 650 | 12, 945, 350 | 1, 193, 200             | 14, 138, 560 |
| 1930..... | 5, 895, 240  | 6, 007, 200  | 325, 090 | 1, 771, 100 | 13, 999, 230 | 598, 050                | 14, 597, 280 |
| 1931..... | 6, 821, 070  | 5, 491, 850  | 215, 820 | 2, 751, 750 | 15, 280, 490 | 1, 737, 010             | 17, 018, 100 |
| 1932..... | 2, 760, 770  | 2, 577, 800  | 125, 970 | 1, 831, 030 | 7, 295, 570  | 583, 920                | 7, 879, 490  |
| 1933..... | 12, 189, 920 | 3, 295, 840  | 146, 600 | 1, 287, 000 | 18, 919, 360 | 309, 080                | 17, 318, 440 |
| 1934..... | 2, 747, 450  | 2, 992, 190  | 164, 850 | 1, 334, 540 | 7, 239, 030  | 861, 320                | 8, 100, 360  |
| 1935..... | 1, 012, 540  | 1, 830, 580  | 118, 300 | 989, 090    | 3, 950, 510  | 300, 230                | 4, 250, 740  |

<sup>1</sup> See footnote 2, table 877.

# No. 680.—ESTIMATED QUANTITY OF TIMBER REMOVED ANNUALLY FROM FORESTS

NOTE.—Data, except for timber destroyed by disease, insects, etc., are based upon the average of the years 1925-1929; timber destroyed by disease, insects, etc., average of the years 1919-1929

| Product and waste                                     | Unit of measure          | Quantity in thousands | Total volume removed, including cordwood <sup>1</sup> (M cubic feet) | Equivalent in lumber which could have been sawed from total volume removed (M feet b. m.) |              |              |
|-------------------------------------------------------|--------------------------|-----------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------|--------------|
|                                                       |                          |                       |                                                                      | Total                                                                                     | Softwoods    | Hardwoods    |
| Aggregate.....                                        |                          |                       | 16, 306, 207                                                         | 59, 133, 839                                                                              | 44, 254, 914 | 14, 878, 925 |
| Products, total.....                                  |                          |                       | 14, 495, 308                                                         | 54, 841, 444                                                                              | 40, 228, 682 | 14, 412, 762 |
| Lumber.....                                           | Foot, b. m. <sup>2</sup> | 38, 000, 000          | 7, 371, 372                                                          | 38, 000, 000                                                                              | 30, 957, 920 | 7, 042, 080  |
| Fuelwood.....                                         | Cord.....                | 61, 266               | 4, 002, 635                                                          | 7, 047, 000                                                                               | 4, 146, 000  | 2, 901, 000  |
| Ties, hewed.....                                      | Piece.....               | 53, 215               | 633, 034                                                             | 2, 025, 165                                                                               | 835, 553     | 1, 189, 612  |
| Fence posts.....                                      | do.....                  | 395, 946              | 628, 830                                                             | 1, 299, 459                                                                               | 654, 438     | 645, 021     |
| Pulpwood.....                                         | Cord.....                | 5, 336                | 588, 666                                                             | 1, 473, 620                                                                               | 1, 316, 315  | 157, 305     |
| Mine timbers (round).....                             | Cu. ft.....              | 184, 875              | 231, 780                                                             | 155, 988                                                                                  | 43, 620      | 112, 368     |
| Veneer logs.....                                      | Foot, l. s.....          | 920, 034              | 230, 607                                                             | 1, 033, 708                                                                               | 332, 681     | 701, 017     |
| Slack staves.....                                     | Piece.....               | 979, 610              | 109, 345                                                             | 487, 861                                                                                  | 179, 780     | 308, 081     |
| Slack heading.....                                    | Set.....                 | 67, 766               | 42, 452                                                              | 203, 013                                                                                  | 120, 737     | 73, 279      |
| Slack hoops.....                                      | Piece.....               | 138, 939              | 10, 053                                                              | 41, 628                                                                                   |              | 41, 628      |
| Logs and bolts in manufactures.....                   | Foot, l. s.....          | 593, 328              | 156, 575                                                             | 677, 960                                                                                  | 109, 443     | 568, 517     |
| Tight staves.....                                     | Piece.....               | 307, 167              | 97, 110                                                              | 460, 378                                                                                  | 224, 822     | 235, 556     |
| Tight heading.....                                    | Set.....                 | 26, 609               | 43, 733                                                              | 199, 372                                                                                  | 74, 138      | 125, 234     |
| Shingles.....                                         | Piece.....               | 6, 298, 100           | 138, 568                                                             | 626, 810                                                                                  | 620, 810     |              |
| Export logs and hewn timbers.....                     | Foot, l. s.....          | 307, 670              | 60, 514                                                              | 340, 535                                                                                  | 320, 503     | 20, 032      |
| Poles.....                                            | Piece.....               | 3, 443                | 37, 571                                                              | 149, 374                                                                                  | 131, 859     | 17, 515      |
| Distillation wood.....                                | Cord.....                | 1, 283                | 30, 367                                                              | 89, 970                                                                                   | 11, 900      | 77, 070      |
| Piling.....                                           | Piece.....               | 1, 363                | 28, 078                                                              | 141, 527                                                                                  | 108, 497     | 33, 030      |
| Tanning extract wood.....                             | Cord.....                | 418                   | 26, 173                                                              | 118, 950                                                                                  |              | 118, 950     |
| Excelsior wood.....                                   | do.....                  | 179                   | 20, 948                                                              | 67, 125                                                                                   | 21, 760      | 45, 375      |
| Destroyed by fire.....                                |                          |                       | 870, 690                                                             | 1, 390, 233                                                                               | 1, 250, 948  | 139, 285     |
| Destroyed by disease, insects, wind, and drought..... |                          |                       | 940, 209                                                             | 3, 102, 162                                                                               | 2, 775, 274  | 326, 878     |

<sup>1</sup> The cordwood data in this item include trees of less than saw-timber size on saw-timber and cordwood areas.

<sup>2</sup> Lumber tally measure.

Source of tables 679 and 680: Forest Service, Department of Agriculture. Data in table 680 are based in part upon forest products statistics of the Bureau of the Census, Department of Commerce.

**No. 681.—LUMBER: REPORTED PRODUCTION, BY SPECIES, AND AVERAGE VALUE**

NOTE.—For 1889, 1914, 1921, 1923, 1925, and 1927 custom mills are excluded and beginning with 1911 for each year except 1919 mills cutting less than 50,000 board feet are excluded. Custom mills are much less important in recent years than formerly

[Quantities in millions of board feet; average mill values per 1,000 board feet]

| Year (calendar) | Production |           |           | Average mill value | Year (calendar) | Production |           |           | Average mill value |
|-----------------|------------|-----------|-----------|--------------------|-----------------|------------|-----------|-----------|--------------------|
|                 | Total      | Hard-wood | Soft-wood |                    |                 | Total      | Hard-wood | Soft-wood |                    |
| 1889.....       | 12,756     |           |           | (1)                | 1922.....       | 31,569     | 4,925     | 26,644    | \$26.15            |
| 1879.....       | 18,091     |           |           | (1)                | 1923.....       | 37,166     | 6,262     | 30,904    | 31.78              |
| 1889.....       | 23,842     |           |           | \$11.41            | 1924.....       | 35,931     | 6,525     | 29,406    | 28.57              |
| 1899.....       | 36,078     | 8,634     | 26,146    | 11.13              | 1925.....       | 38,339     | 6,628     | 31,710    | 28.02              |
| 1900.....       | 44,510     | 10,613    | 33,897    | 15.38              | 1926.....       | 36,936     | 6,467     | 30,469    | 27.34              |
| 1912.....       | 30,158     | 8,632     | 30,526    | 15.35              | 1927.....       | 34,532     | 6,090     | 28,442    | 25.80              |
| 1913.....       | 38,387     | 8,084     | 30,303    | (1)                | 1928.....       | 34,142     | 5,797     | 28,345    | 25.61              |
| 1914.....       | 37,346     | 7,939     | 29,407    | (1)                | 1929.....       | 36,886     | 7,073     | 29,813    | 26.94              |
| 1915.....       | 37,012     | 7,527     | 29,485    | 14.04              | 1930.....       | 28,051     | 4,729     | 21,323    | 22.81              |
| 1916.....       | 39,807     | 8,475     | 31,332    | 15.32              | 1931.....       | 16,523     | 2,671     | 13,852    | 18.56              |
| 1917.....       | 35,831     | 6,667     | 29,174    | 20.32              | 1932.....       | 10,151     | 1,406     | 8,746     | 15.12              |
| 1918.....       | 31,890     | 6,223     | 25,667    | 24.79              | 1933.....       | 13,961     | 2,062     | 11,899    | 18.55              |
| 1919.....       | 34,562     | 7,145     | 27,407    | 30.21              | 1934.....       | 15,494     | 2,758     | 12,735    | 21.47              |
| 1920.....       | 33,799     | 6,989     | 26,810    | 38.42              |                 |            |           |           |                    |
| 1921.....       | 26,961     | 4,775     | 22,186    | 23.47              |                 |            |           |           |                    |

| Species                                   | Production by species |        |        |        |       |       |       |       |       |  |
|-------------------------------------------|-----------------------|--------|--------|--------|-------|-------|-------|-------|-------|--|
|                                           | 1909                  | 1909   | 1919   | 1929   | 1930  | 1931  | 1932  | 1933  | 1934  |  |
| Softwoods:                                |                       |        |        |        |       |       |       |       |       |  |
| Yellow pine.....                          | 9,659                 | 16,277 | 13,063 | 11,630 | 7,450 | 4,430 | 3,069 | 4,446 | 4,473 |  |
| Douglas fir.....                          | 1,737                 | 4,856  | 5,902  | 5,689  | 6,453 | 4,648 | 2,904 | 3,960 | 4,066 |  |
| White pine.....                           | 7,742                 | 3,900  | 1,724  | 1,248  | 1,109 | 716   | 433   | 532   | 756   |  |
| Hemlock.....                              | 3,421                 | 3,051  | 1,755  | 2,099  | 1,517 | 980   | 337   | 416   | 478   |  |
| Ponderosa pine (Western yellow pine)..... | 945                   | 1,500  | 1,755  | 3,288  | 2,594 | 1,822 | 1,288 | 1,690 | 1,806 |  |
| Spruce.....                               | 1,442                 | 1,749  | 980    | 564    | 442   | 234   | 156   | 198   | 259   |  |
| Cypress.....                              | 496                   | 956    | 656    | 532    | 491   | 332   | 155   | 158   | 179   |  |
| Redwood.....                              | 360                   | 522    | 410    | 486    | 403   | 211   | 136   | 104   | 282   |  |
| Cedar.....                                | 233                   | 346    | 382    | 309    | 238   | 150   | 86    | 111   | 140   |  |
| Larch.....                                | 51                    | 421    | 388    | 245    | 174   | 85    | 50    | 48    | 79    |  |
| White fir.....                            |                       | 89     | 223    | 307    | 207   | 121   | 52    | 67    | 81    |  |
| Sugar pine.....                           | 64                    | 97     | 134    | 349    | 205   | 106   | 48    | 85    | 110   |  |
| Balsam fir.....                           |                       | 109    | 68     | 38     | 8     | 11    | 4     | 3     | 7     |  |
| Lodgepole pine.....                       |                       | 24     | 16     | 31     | 30    | 25    | 19    | 12    | 19    |  |
| All other softwood.....                   | 9                     |        |        |        |       |       |       |       |       |  |
| Hardwoods:                                |                       |        |        |        |       |       |       |       |       |  |
| Oak.....                                  | 4,438                 | 4,414  | 2,708  | 2,574  | 1,662 | 954   | 516   | 698   | 1,083 |  |
| Maple.....                                | 633                   | 1,107  | 857    | 824    | 601   | 328   | 160   | 221   | 311   |  |
| Gum, red and sap.....                     | 285                   | 707    | 861    | 1,104  | 694   | 343   | 202   | 386   | 393   |  |
| Yellow poplar.....                        | 1,115                 | 859    | 329    | 436    | 258   | 172   | 86    | 111   | 163   |  |
| Chestnut.....                             | 207                   | 664    | 546    | 268    | 151   | 89    | 48    | 50    | 79    |  |
| Birch.....                                | 133                   | 452    | 375    | 374    | 284   | 172   | 78    | 81    | 126   |  |
| Beech.....                                |                       | 511    | 359    | 187    | 138   | 81    | 42    | 44    | 72    |  |
| Basswood.....                             | 308                   | 399    | 184    | 133    | 96    | 57    | 21    | 37    | 52    |  |
| Elm.....                                  | 457                   | 347    | 194    | 176    | 110   | 57    | 20    | 33    | 49    |  |
| Cottonwood.....                           | 415                   | 266    | 144    | 165    | 158   | 77    | 49    | 108   | 109   |  |
| Ash.....                                  | 269                   | 291    | 155    | 152    | 116   | 68    | 34    | 54    | 76    |  |
| Hickory.....                              | 97                    | 334    | 170    | 67     | 30    | 14    | 8     | 11    | 13    |  |
| Tupelo.....                               |                       | 97     | 144    | 307    | 254   | 135   | 89    | 123   | 126   |  |
| Walnut.....                               | 38                    | 46     | 39     | 72     | 35    | 23    | 9     | 22    | 21    |  |
| Sycamore.....                             | 30                    | 57     | 28     | 58     | 26    | 23    | 8     | 11    | 14    |  |
| All other hardwood.....                   | 209                   | 62     | 61     | 186    | 113   | 77    | 40    | 72    | 73    |  |

<sup>1</sup> Not available.

<sup>2</sup> Includes 298,000,000 board feet of lumber not reported by kinds of wood.

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

## No. 682.—LUMBER: REPORTED PRODUCTION BY REGIONS AND STATES

[In millions of board feet. See headnote, table 681]

| Region and State                        | 1889   | 1899   | 1909   | 1919   | 1929   | 1931   | 1932   | 1933   | 1934   |
|-----------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>United States</b> .....              | 23,842 | 36,078 | 44,510 | 34,562 | 36,886 | 16,523 | 10,161 | 13,981 | 16,494 |
| <b>Northeastern</b> .....               | 4,726  | 5,709  | 5,197  | 2,584  | 1,232  | 603    | 388    | 417    | 698    |
| Maine.....                              | 597    | 785    | 1,112  | 596    | 258    | 162    | 102    | 105    | 178    |
| New Hampshire.....                      | 277    | 572    | 650    | 339    | 192    | 94     | 40     | 101    | 166    |
| Vermont.....                            | 384    | 376    | 352    | 218    | 120    | 81     | 40     | 30     | 60     |
| Massachusetts.....                      | 212    | 344    | 361    | 167    | 30     | 43     | 30     | 24     | 57     |
| Connecticut.....                        | 49     | 108    | 168    | 87     | 13     | 5      | 5      | 7      | 11     |
| New York.....                           | 925    | 878    | 681    | 358    | 180    | 74     | 39     | 36     | 59     |
| New Jersey.....                         | 34     | 74     | 62     | 37     | 16     | 7      | 5      | 5      | 7      |
| Pennsylvania.....                       | 2,133  | 2,395  | 1,403  | 630    | 314    | 123    | 73     | 93     | 147    |
| Maryland.....                           | 62     | 184    | 266    | 113    | 65     | 29     | 18     | 12     | 24     |
| Rhode Island.....                       | 8      | 19     | 26     | 11     | 7      | 3      | 3      | 3      | 4      |
| Delaware.....                           | 23     | 30     | 55     | 27     | 10     | 4      | 4      | 1      | 5      |
| <b>Central</b> .....                    | 3,180  | 5,643  | 5,487  | 3,016  | 2,347  | 821    | 417    | 580    | 909    |
| Ohio.....                               | 565    | 690    | 843    | 280    | 178    | 63     | 32     | 38     | 83     |
| Indiana.....                            | 755    | 1,037  | 656    | 282    | 170    | 68     | 27     | 42     | 66     |
| Illinois.....                           | 222    | 388    | 170    | 65     | 38     | 18     | 8      | 8      | 15     |
| Missouri.....                           | 402    | 724    | 660    | 321    | 238    | 75     | 35     | 41     | 101    |
| West Virginia.....                      | 302    | 778    | 1,478  | 763    | 633    | 247    | 135    | 185    | 224    |
| Kentucky.....                           | 423    | 775    | 361    | 512    | 339    | 111    | 51     | 47     | 123    |
| Tennessee.....                          | 460    | 951    | 1,224  | 792    | 704    | 293    | 128    | 169    | 299    |
| <b>Southern States</b> .....            | 3,718  | 8,404  | 14,796 | 12,704 | 12,484 | 4,721  | 2,973  | 4,510  | 4,592  |
| Georgia.....                            | 575    | 1,312  | 1,342  | 864    | 1,386  | 460    | 264    | 473    | 476    |
| Florida.....                            | 412    | 1,001  | 1,202  | 1,137  | 1,137  | 577    | 320    | 439    | 473    |
| Alabama.....                            | 586    | 1,101  | 1,601  | 1,709  | 2,069  | 732    | 544    | 757    | 659    |
| Mississippi.....                        | 454    | 1,200  | 2,673  | 2,860  | 2,669  | 863    | 531    | 792    | 875    |
| Arkansas.....                           | 538    | 1,624  | 2,111  | 1,772  | 1,348  | 508    | 277    | 514    | 628    |
| Louisiana.....                          | 304    | 1,115  | 3,552  | 3,164  | 2,232  | 940    | 567    | 836    | 775    |
| Texas.....                              | 843    | 1,232  | 2,099  | 1,880  | 1,452  | 556    | 406    | 594    | 504    |
| Oklahoma.....                           | 3      | 22     | 226    | 168    | 200    | 77     | 65     | 105    | 111    |
| <b>North Carolina Pine States</b> ..... | 1,193  | 2,712  | 5,177  | 3,374  | 2,979  | 1,263  | 964    | 1,256  | 1,919  |
| Virginia.....                           | 418    | 959    | 2,102  | 1,098  | 708    | 311    | 227    | 321    | 406    |
| North Carolina.....                     | 515    | 1,287  | 2,178  | 1,654  | 1,202  | 501    | 383    | 513    | 571    |
| South Carolina.....                     | 190    | 466    | 898    | 622    | 1,068  | 450    | 354    | 422    | 341    |
| <b>Lake States</b> .....                | 8,251  | 8,760  | 5,478  | 2,692  | 1,771  | 712    | 290    | 394    | 596    |
| Michigan.....                           | 4,300  | 3,018  | 1,890  | 878    | 571    | 257    | 111    | 160    | 236    |
| Minnesota.....                          | 1,094  | 2,342  | 1,562  | 700    | 357    | 95     | 58     | 49     | 95     |
| Wisconsin.....                          | 2,856  | 3,389  | 2,025  | 1,116  | 843    | 360    | 120    | 186    | 265    |
| <b>Pacific States</b> .....             | 2,026  | 2,901  | 8,905  | 8,818  | 14,148 | 7,494  | 4,545  | 6,147  | 6,459  |
| Washington.....                         | 1,064  | 1,429  | 3,863  | 4,061  | 7,302  | 3,908  | 2,261  | 3,106  | 3,094  |
| Oregon.....                             | 446    | 735    | 1,890  | 2,577  | 4,784  | 2,628  | 1,604  | 2,256  | 2,380  |
| California and Nevada.....              | 1,518  | 738    | 1,144  | 1,280  | 2,063  | 1,958  | 681    | 1,785  | 1,015  |
| <b>Rocky Mountain States</b> .....      | 249    | 556    | 1,292  | 1,299  | 1,843  | 873    | 554    | 674    | 882    |
| Montana.....                            | 90     | 256    | 309    | 287    | 389    | 158    | 111    | 125    | 172    |
| Idaho.....                              | 28     | 65     | 646    | 765    | 1,029  | 500    | 243    | 316    | 457    |
| Arizona.....                            | 5      | 36     | 63     | 74     | 175    | 85     | 58     | 90     | 73     |
| New Mexico.....                         | 26     | 31     | 92     | 87     | 148    | 50     | 72     | 89     | 101    |
| Colorado.....                           | 80     | 134    | 142    | 66     | 72     | 48     | 39     | 34     | 49     |
| Utah.....                               | 14     | 18     | 13     | 12     | 5      | 6      | 5      | 8      | 10     |
| Wyoming.....                            | 6      | 17     | 29     | 9      | 26     | 17     | 21     | 11     | 19     |
| <b>All other</b> .....                  | 612    | 401    | 1,179  | 65     | 81     | 37     | 21     | 34     | 39     |
| Iowa.....                               | 571    | 352    | 132    | 18     | 20     | 37     | 2      | 4      | 3      |
| Kansas.....                             | 4      | 11     | 216    | 3      | 20     | 4      | 1      | (5)    | 3      |
| Nebraska.....                           | 9      | 5      |        |        |        | (5)    |        |        |        |
| North Dakota.....                       | 7      | 2      |        |        |        |        |        |        |        |
| South Dakota.....                       | 21     | 32     | 31     | 43     | 61     | 27     | 17     | 30     | 33     |
| <b>PERCENTAGE DISTRIBUTION</b>          |        |        |        |        |        |        |        |        |        |
| United States.....                      | 100.0  | 100.0  | 100.0  | 100.0  | 100.0  | 100.0  | 100.0  | 100.0  | 100.0  |
| Northeastern States.....                | 19.8   | 16.3   | 11.7   | 7.5    | 3.3    | 3.6    | 3.8    | 3.0    | 4.5    |
| Central States.....                     | 13.1   | 16.1   | 12.8   | 8.7    | 6.4    | 5.0    | 4.1    | 3.8    | 5.9    |
| Southern States.....                    | 15.6   | 24.0   | 33.3   | 36.8   | 33.8   | 28.6   | 29.3   | 32.3   | 29.6   |
| North Carolina Pine States.....         | 4.7    | 7.7    | 11.6   | 9.8    | 8.1    | 7.6    | 9.5    | 9.0    | 8.5    |
| Lake States.....                        | 34.6   | 24.9   | 12.3   | 7.8    | 4.8    | 4.3    | 2.8    | 2.8    | 3.8    |
| Pacific States.....                     | 8.5    | 8.3    | 15.5   | 25.5   | 38.4   | 45.4   | 44.8   | 44.1   | 41.7   |
| Rocky Mountain States.....              | 1.1    | 1.6    | 2.9    | 3.7    | 5.0    | 5.3    | 5.5    | 4.8    | 5.7    |
| All other.....                          | 2.6    | 1.1    | .4     | .2     | .2     | .2     | .2     | .2     | .3     |

<sup>1</sup> California only; for 1909 Nevada included with "All other."<sup>2</sup> Includes Nevada.<sup>3</sup> Includes Nebraska.<sup>4</sup> Includes Kansas.<sup>5</sup> Included with Iowa.

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

## No. 683.—LUMBER: AVERAGE MILL VALUE PER 1,000 BOARD FEET

| Kind of wood                              | 1899    | 1909    | 1919    | 1927    | 1928    | 1929    | 1930    | 1931    | 1932    | 1933    | 1934    |
|-------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| All kinds <sup>1</sup> .....              | \$11.13 | \$15.38 | \$30.21 | \$26.50 | \$26.61 | \$26.94 | \$22.81 | \$18.56 | \$15.12 | \$18.55 | \$21.47 |
| SOFTWOODS                                 |         |         |         |         |         |         |         |         |         |         |         |
| Balsam fir.....                           | (?)     | 13.99   | 32.23   | 25.92   | 25.40   | 26.49   | 26.72   | 19.34   | 19.32   | 19.79   | 20.27   |
| Cedar.....                                | 10.91   | 19.95   | 33.80   | 34.39   | 38.32   | 34.83   | 31.14   | 24.08   | 24.55   | 25.91   | 27.94   |
| Cypress.....                              | 13.32   | 20.46   | 33.38   | 39.91   | 36.18   | 35.29   | 33.10   | 30.64   | 24.02   | 26.30   | 30.73   |
| Douglas fir.....                          | 8.67    | 12.44   | 24.02   | 19.45   | 19.02   | 20.05   | 16.91   | 12.05   | 10.61   | 13.57   | 16.14   |
| Hemlock.....                              | 9.98    | 13.95   | 29.16   | 19.06   | 18.84   | 18.90   | 17.04   | 14.13   | 12.39   | 14.27   | 17.70   |
| Larch (tamarack).....                     | 8.73    | 12.68   | 23.39   | 17.69   | 18.34   | 18.35   | 17.18   | 14.18   | 10.76   | 13.84   | 16.07   |
| Lodgepole pine.....                       | (?)     | 10.26   | 29.98   | 20.82   | 19.29   | 17.97   | 17.64   | 14.46   | 12.45   | 16.23   | 16.54   |
| Ponderosa pine (western yellow pine)..... | 9.70    | 16.59   | 27.75   | 26.04   | 26.35   | 26.47   | 23.52   | 20.48   | 16.88   | 18.57   | 20.51   |
| Redwood.....                              | 10.12   | 14.80   | 30.04   | 33.81   | 31.39   | 31.00   | 30.33   | 29.82   | 24.33   | 26.29   | 30.03   |
| Spruce.....                               | 11.27   | 16.91   | 30.76   | 26.59   | 26.50   | 28.64   | 23.66   | 23.00   | 17.73   | 18.89   | 21.75   |
| Sugar pine.....                           | 12.30   | 18.14   | 35.99   | 43.22   | 39.06   | 43.08   | 38.10   | 28.76   | 26.26   | 27.95   | 27.04   |
| White fir.....                            | (?)     | 13.10   | 25.66   | 19.92   | 20.00   | 20.83   | 17.67   | 14.94   | 12.23   | 15.30   | 16.15   |
| White pine.....                           | 12.09   | 18.16   | 32.83   | 29.90   | 28.71   | 29.87   | 27.81   | 24.71   | 21.53   | 21.45   | 23.75   |
| Yellow pine.....                          | 8.46    | 12.09   | 28.71   | 23.77   | 24.62   | 25.66   | 21.06   | 16.99   | 13.82   | 17.01   | 21.04   |
| HARDWOODS                                 |         |         |         |         |         |         |         |         |         |         |         |
| Ash.....                                  | 15.84   | 24.44   | 52.09   | 43.82   | 45.61   | 43.14   | 39.72   | 41.06   | 28.74   | 33.23   | 39.26   |
| Basswood.....                             | 12.84   | 19.50   | 40.03   | 39.84   | 39.72   | 39.83   | 35.31   | 28.54   | 23.81   | 29.19   | 30.78   |
| Beech.....                                | (?)     | 13.25   | 29.98   | 27.21   | 28.63   | 28.39   | 26.89   | 22.93   | 17.97   | 22.75   | 22.93   |
| Birch.....                                | 12.60   | 16.95   | 35.79   | 41.03   | 40.30   | 39.35   | 36.39   | 30.95   | 26.26   | 29.02   | 30.58   |
| Chestnut.....                             | 13.37   | 16.12   | 32.30   | 29.35   | 31.09   | 29.51   | 23.91   | 22.50   | 17.87   | 23.01   | 23.53   |
| Cottonwood.....                           | 10.37   | 18.05   | 32.24   | 30.92   | 27.54   | 29.70   | 22.73   | 19.54   | 16.49   | 22.18   | 20.68   |
| Elm.....                                  | 11.47   | 17.62   | 36.39   | 36.22   | 37.89   | 35.28   | 30.20   | 25.37   | 19.07   | 23.09   | 24.06   |
| Gum, red and sap.....                     | 9.63    | 13.20   | 32.68   | 32.81   | 31.91   | 34.42   | 27.67   | 22.08   | 16.84   | 23.01   | 24.70   |
| Hickory.....                              | 18.78   | 30.80   | 44.37   | 37.08   | 38.88   | 40.33   | 33.00   | 32.65   | 29.85   | 26.27   | 27.92   |
| Maple.....                                | 11.83   | 15.77   | 35.56   | 35.35   | 36.31   | 36.93   | 34.45   | 28.80   | 22.82   | 30.51   | 30.84   |
| Oak.....                                  | 13.78   | 20.60   | 37.87   | 35.72   | 35.23   | 38.43   | 29.29   | 27.68   | 22.84   | 28.53   | 27.54   |
| Sycamore.....                             | 11.04   | 18.87   | 30.32   | 29.31   | 30.06   | 30.07   | 26.54   | 22.40   | 18.71   | 22.78   | 21.52   |
| Tupelo.....                               | (?)     | 11.87   | 28.42   | 24.45   | 25.51   | 25.39   | 23.47   | 19.05   | 17.40   | 22.01   | 22.70   |
| Walnut.....                               | 36.49   | 43.79   | 72.13   | 111.64  | 112.54  | 119.15  | 100.75  | 90.44   | 57.87   | 77.61   | 86.60   |
| Yellow poplar.....                        | 14.03   | 26.39   | 41.65   | 38.68   | 40.90   | 41.66   | 35.19   | 30.02   | 26.02   | 29.91   | 30.01   |

<sup>1</sup> Includes species not shown separately.<sup>1</sup> No data.

Source: Bureau of the Census, Department of Commerce, and Forest Service, Dept. of Agriculture.

## No. 684.—VENEERS: TIMBER CONSUMED IN MANUFACTURING VENEERS

[In thousands of feet, log scale]

| State               | 1927    | 1929      | 1931    | 1933    | Kind of wood <sup>1</sup> | 1925    | 1927    | 1929      | 1931    |
|---------------------|---------|-----------|---------|---------|---------------------------|---------|---------|-----------|---------|
| Total.....          | 961,561 | 1,112,910 | 696,350 | 700,234 | Domestic, total.....      | 720,865 | 943,993 | 1,095,244 | 688,816 |
| Alabama.....        | 41,424  | 43,221    | 24,364  | 26,918  | Basswood.....             | 9,413   | 11,885  | 13,920    | 7,028   |
| Arkansas.....       | 57,611  | 63,363    | 30,001  | 24,908  | Beech.....                | 4,708   | 11,208  | 17,858    | 14,130  |
| California.....     | 13,379  | 28,698    | 14,463  | 16,651  | Birch.....                | 51,490  | 51,331  | 47,715    | 23,213  |
| Florida.....        | 77,321  | 96,199    | 56,657  | 97,097  | Cottonwood.....           | 39,869  | 43,456  | 51,742    | 43,707  |
| Georgia.....        | 38,646  | 40,388    | 29,762  | 34,911  | Douglas fir.....          | 101,869 | 101,220 | 162,415   | 101,293 |
| Illinois.....       | 11,414  | 15,821    | 8,539   | 6,546   | Elm.....                  | 8,503   | 16,945  | 19,459    | 20,937  |
| Indiana.....        | 25,092  | 30,779    | 17,147  | 14,182  | Maple.....                | 23,922  | 24,706  | 35,617    | 24,563  |
| Kentucky.....       | 24,193  | 21,437    | 11,121  | 10,281  | Oak.....                  | 20,661  | 19,502  | 20,409    | 8,908   |
| Louisiana.....      | 35,012  | 47,617    | 31,030  | 22,898  | Red gum.....              | 237,465 | 250,247 | 285,035   | 201,297 |
| Michigan.....       | 20,811  | 20,434    | 11,316  | 9,786   | Spruce.....               | 20,033  | 53,642  | 38,198    | 40,364  |
| Mississippi.....    | 80,218  | 75,427    | 43,798  | 48,318  | Tupelo.....               | 48,311  | 113,729 | 88,123    | 59,116  |
| New York.....       | 27,364  | 37,377    | 18,723  | 15,336  | Walnut.....               | 17,573  | 20,786  | 26,803    | 8,524   |
| North Carolina..... | 78,171  | 96,417    | 52,206  | 51,216  | Yellow pine.....          | 45,818  | 92,153  | 119,785   | 60,128  |
| Oregon.....         | 32,091  | 55,644    | 23,978  | 32,616  | Yellow poplar.....        | 50,770  | 56,899  | 71,989    | 38,151  |
| South Carolina..... | 35,311  | 48,960    | 28,194  | 24,627  | All other.....            | 40,460  | 76,224  | 96,586    | 37,456  |
| Tennessee.....      | 25,586  | 24,710    | 15,642  | 17,743  | Imported, total.....      | 13,734  | 17,568  | 17,686    | 7,535   |
| Texas.....          | 29,216  | 32,488    | 30,905  | 22,980  | Mahogany.....             | 7,471   | 11,954  | 3,741     | 2,437   |
| Virginia.....       | 33,319  | 24,088    | 32,314  | 34,122  | Spanish cedar.....        | 5,149   | 4,829   | 3,917     | 2,044   |
| Washington.....     | 140,319 | 181,826   | 135,370 | 159,990 | All other.....            | 1,114   | 785     | 10,008    | 3,054   |
| Wisconsin.....      | 37,864  | 38,724    | 21,160  | 10,573  |                           |         |         |           |         |
| All other.....      | 92,199  | 88,692    | 63,540  | 48,445  |                           |         |         |           |         |

<sup>1</sup> Data by "kind of wood" not called for on schedule for 1933.

Source: Bureau of the Census, Department of Commerce.



## No. 685.—LATH AND SHINGLES: PRODUCTION

NOTE.—Lath in thousands and shingles in squares. Shingles were reported in thousands prior to 1933 and were converted to squares on the basis of 800 shingles to the square

| Year (calendar) | Lath      | Shingles   | Year (calendar) | Lath      | Shingles  |
|-----------------|-----------|------------|-----------------|-----------|-----------|
| 1899.....       | 2,523,998 | 15,127,521 | 1926.....       | 3,083,120 | 7,510,433 |
| 1909.....       | 3,703,106 | 18,634,214 | 1927.....       | 2,372,333 | 8,054,835 |
| 1919.....       | 1,724,078 | 11,490,880 | 1928.....       | 1,908,887 | 7,004,613 |
| 1920.....       | 1,952,983 | 7,895,520  | 1929.....       | 1,705,858 | 7,633,340 |
| 1921.....       | 1,970,896 | 8,553,984  | 1930.....       | 1,087,255 | 4,955,133 |
| 1922.....       | 2,940,714 | 10,164,053 | 1931.....       | 614,250   | 3,392,465 |
| 1923.....       | 3,325,013 | 9,383,586  | 1932.....       | 406,069   | 2,630,125 |
| 1924.....       | 2,961,200 | 8,577,981  | 1933.....       | 408,192   | 3,662,250 |
| 1925.....       | 3,161,137 | 9,155,034  | 1934.....       | 416,308   | 3,477,063 |

| State               | Lath    |         |         |         | Shingles  |           |           |           |
|---------------------|---------|---------|---------|---------|-----------|-----------|-----------|-----------|
|                     | 1931    | 1932    | 1933    | 1934    | 1931      | 1932      | 1933      | 1934      |
| Alabama.....        | 11,686  | 8,870   | 2,915   | 2,935   | 4,029     | 2,560     | 2,438     | 2,867     |
| Arkansas.....       | 4,492   | 2,486   | 5,553   | 5,666   | 4,333     | 3,171     | 200       | 4,230     |
| California.....     | 15,418  | 9,392   | 7,829   | 10,397  | 38,370    | 20,999    | 61,121    | 78,826    |
| Florida.....        | 51,316  | 80,848  | 30,826  | 34,876  | 23,925    | 7,180     | 7,208     | 14,281    |
| Georgia.....        | 4,668   | 600     | 3,905   | 600     | 9,848     | 11,293    | 1,087     | 6,180     |
| Idaho.....          | 37,358  | 13,676  | 18,393  | 33,315  | 5,415     | 13,966    | 10,851    | 16,851    |
| Louisiana.....      | 25,760  | 29,887  | 18,033  | 10,713  | 25,676    | 23,323    | 24,572    | 24,809    |
| Maine.....          | 4,792   | 10,529  | 14,644  | 10,559  | 80,335    | 45,489    | 38,486    | 54,731    |
| Michigan.....       | 5,566   | 2,178   | 2,252   | 3,325   | 9,630     | 6,204     | 13,666    | 8,774     |
| Minnesota.....      | 16,651  | 6,421   | 9,979   | 13,375  | 125       |           |           | 337       |
| Mississippi.....    | 23,298  | 21,186  | 25,683  | 21,174  | 3,301     | 3,743     | 1,575     | 2,779     |
| Montana.....        | 6,781   | 4,361   | 7,411   | 5,677   | 125       | 201       | 286       | 57        |
| North Carolina..... | 1,645   | 331     | 907     | 1,739   | 8,326     | 3,748     | 45        | 5,634     |
| Oregon.....         | 103,015 | 61,635  | 69,170  | 61,243  | 278,221   | 227,416   | 306,524   | 326,019   |
| South Carolina..... | 1,846   | 650     | 527     | 1,080   | 6,026     | 3,849     | 14,313    | 14,030    |
| Texas.....          | 9,781   | 11,680  | 12,844  | 10,684  | 686       | 1,000     | 1,031     | 4,274     |
| Virginia.....       | 5,529   | 3,617   | 5,144   | 4,492   |           | 88        |           | 27        |
| Washington.....     | 235,243 | 164,447 | 134,595 | 128,911 | 2,806,104 | 2,265,729 | 3,135,961 | 2,836,336 |
| West Virginia.....  | 15,098  | 7,748   | 9,669   | 8,378   |           | 535       |           | 37        |
| Wisconsin.....      | 19,801  | 6,550   | 9,604   | 15,154  | 32,710    | 2,543     | 38,178    | 22,372    |
| All other.....      | 15,629  | 9,700   | 15,609  | 23,086  | 635       | 1,623     | 1,363     | 3,522     |

## No. 686.—COOPERAGE STOCK: PRODUCTION OF STAVES, HEADING, AND HOOPS

NOTE.—Production of wooden hoops in 1923 was 163,954,000; in 1925, 149,167,000; in 1927, 134,596,000; in 1929, 133,054,000; in 1931, 94,311,000; and in 1933, 61,161,000, nearly all elm

| Year and kind of wood | Staves (thous-<br>sands) |                    | Heading (thous-<br>sand sets) |                  | Class and kind of wood                  | 1931                     | 1933    | 1931                        | 1933   |
|-----------------------|--------------------------|--------------------|-------------------------------|------------------|-----------------------------------------|--------------------------|---------|-----------------------------|--------|
|                       | Tight                    | Slack <sup>1</sup> | Tight                         | Slack            |                                         | Tight staves (thousands) |         | Tight heading (thous. sets) |        |
| 1909.....             | 379,231                  | 2,020,548          | 20,661                        | 140,234          | Total.....                              | 204,624                  | 164,576 | 20,090                      | 13,031 |
| 1919.....             | 353,825                  | 1,121,324          | 24,274                        | 87,381           | Oil, tierce, and pork, total.....       | 93,021                   | 80,099  | 7,662                       | 4,664  |
| 1923.....             | 222,507                  | 893,682            | 19,342                        | 80,477           | Softwood.....                           | 20,796                   | 13,452  | 1,167                       | 546    |
| 1925.....             | 240,023                  | 937,597            | 23,052                        | 71,371           | Hardwood.....                           | 72,825                   | 66,047  | 6,495                       | 4,118  |
| 1927.....             | 324,127                  | 961,782            | 26,445                        | 59,337           | Spirit and wine, total.....             | 11,262                   | 17,806  | 989                         | 1,247  |
| 1929.....             | 367,353                  | 1,039,450          | 30,329                        | 72,591           | Softwood.....                           | 444                      | 90      | 125                         | 7      |
| 1931.....             | 204,624                  | 537,177            | 20,090                        | 43,375           | Hardwood.....                           | 10,818                   | 17,716  | 884                         | 1,240  |
| 1933.....             | 154,575                  | 426,585            | 13,061                        | 37,461           | Beer, hardwood.....                     | ( <sup>4</sup> )         | 9,896   |                             | 1,409  |
| 1931.....             |                          |                    |                               |                  | All other and not specified, total..... | 490,741                  | 46,774  | 11,439                      | 5,711  |
| Ash.....              | 3,826                    | 21,710             | 324                           | ( <sup>5</sup> ) | Softwood.....                           | 80,847                   | 25,277  | 10,749                      | 2,704  |
| Basswood.....         | ( <sup>5</sup> )         | ( <sup>5</sup> )   | ( <sup>5</sup> )              | 787              | Hardwood.....                           | 18,894                   | 21,497  | 690                         | 3,007  |
| Beech.....            |                          |                    |                               | 600              | Undistributed.....                      | 726                      |         | 745                         |        |
| Cottonwood.....       |                          | 22,884             |                               | 927              |                                         |                          |         |                             |        |
| Douglas fir.....      | 44,946                   | 20,799             | 5,688                         | 627              |                                         |                          |         |                             |        |
| Elm.....              |                          | 36,366             |                               | ( <sup>5</sup> ) |                                         |                          |         |                             |        |
| Gum.....              | 18,397                   | 160,375            | 920                           | 3,721            |                                         |                          |         |                             |        |
| Oak.....              | 78,968                   | 0,394              | 6,752                         | 583              |                                         |                          |         |                             |        |
| Pine.....             | 32,072                   | 198,125            | 4,269                         | 28,271           |                                         |                          |         |                             |        |
| Spruce.....           | 22,936                   | 41,788             | 1,776                         | 5,864            |                                         |                          |         |                             |        |
| Tupelo.....           | ( <sup>5</sup> )         | 8,334              |                               | ( <sup>5</sup> ) |                                         |                          |         |                             |        |
| All other.....        | 3,479                    | 20,402             | 411                           | 1,995            |                                         |                          |         |                             |        |

<sup>1</sup> In thousand pieces.

<sup>2</sup> Data not available by species for 1933.

<sup>3</sup> Included in "All other."

<sup>4</sup> Data for "Beer, hardwood" included with figure for "Hardwood" under "All other and not specified."

Sources of tables 685 and 686: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

**No. 687.—PULPWOOD: CONSUMPTION BY MILLS, AND MILL COST**

NOTE.—Figures include both domestic and imported wood. The cost is f. o. b. pulp mill

| Year | Quantity, all species (cords) | Cost                  |                  | Year | Quantity, all species (cords) | Cost                  |                  | Year | Quantity, all species (cords) | Cost                  |                  |
|------|-------------------------------|-----------------------|------------------|------|-------------------------------|-----------------------|------------------|------|-------------------------------|-----------------------|------------------|
|      |                               | Total (1,000 dollars) | Average per cord |      |                               | Total (1,000 dollars) | Average per cord |      |                               | Total (1,000 dollars) | Average per cord |
| 1899 | 1,980,310                     | 9,838                 | \$4.95           | 1923 | 5,872,870                     | 95,306                | \$16.23          | 1930 | 7,195,524                     | 68,684                | \$12.32          |
| 1909 | 4,001,907                     | 34,478                | 8.62             | 1925 | 6,093,821                     | 94,340                | 15.48            | 1931 | 6,722,766                     | 73,524                | 10.94            |
| 1914 | 4,470,763                     | 39,408                | 8.81             | 1927 | 6,750,935                     | 95,452                | 14.14            | 1932 | 5,633,123                     | 51,769                | 9.19             |
| 1919 | 5,477,832                     | 57,386                | 16.96            | 1928 | 7,160,100                     | 97,024                | 13.55            | 1933 | 6,581,674                     | 48,508                | 7.87             |
| 1921 | 4,567,179                     | 91,589                | 20.10            | 1929 | 7,645,011                     | 100,054               | 13.09            | 1934 | 5,799,659                     | 52,506                | 7.73             |

| Kind of wood            | Total consumption (cords) |           |           |           |           |           |           |
|-------------------------|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                         | 1919                      | 1929      | 1930      | 1931      | 1932      | 1933      | 1934      |
| Total                   | 5,477,832                 | 7,645,011 | 7,195,524 | 6,722,766 | 6,633,123 | 6,581,674 | 6,799,659 |
| Spruce:                 |                           |           |           |           |           |           |           |
| Domestic                | 2,313,419                 | 2,074,287 | 1,844,937 | 1,651,051 | 1,423,836 | 1,495,061 | 1,535,299 |
| Imported                | 873,795                   | 1,029,913 | 888,255   | 676,339   | 608,171   | 570,000   | 638,127   |
| Hemlock:                |                           |           |           |           |           |           |           |
| Domestic                | 795,154                   | 1,309,170 | 1,222,961 | 1,185,272 | 806,230   | 1,112,556 | 1,423,116 |
| Imported                | 15,379                    | 5,770     | 5,770     | 5,770     |           |           |           |
| Yellow pine (southern)  | 234,463                   | 1,030,272 | 1,030,273 | 1,294,503 | 1,279,832 | 1,500,414 | 1,450,171 |
| Poplar:                 |                           |           |           |           |           |           |           |
| Domestic                | 180,160                   | 329,463   | 291,897   | 266,603   | 192,461   | 353,438   | 241,001   |
| Imported                | 163,220                   | 167,829   | 159,092   | 94,238    | 85,693    |           | 92,271    |
| Balsam fir:             |                           |           |           |           |           |           |           |
| Domestic                | 181,840                   | 317,552   | 330,548   | 338,760   | 243,224   | 261,466   | 290,385   |
| Imported                | 108,974                   | 45,412    | 48,935    | 55,601    | 47,835    | 41,465    | 56,647    |
| Jack pine               | 51,581                    | 205,760   | 200,970   | 159,273   | 154,214   | 178,874   | 218,116   |
| Beech, birch, and maple | 134,111                   | 76,950    | 68,848    | 69,631    | 65,958    | 98,032    | 83,998    |
| Tamarack (larch)        | 44,042                    | 51,835    | 40,054    | 35,433    | 15,652    | 21,844    | 12,287    |
| Yellow poplar           | 72,605                    | 129,697   | 107,795   | 73,504    | 74,151    | (9)       | 73,492    |
| Gum                     | 30,355                    | 39,835    | 41,825    | 22,440    | 17,553    | (9)       | (9)       |
| White fir               | 31,138                    | 111,054   | 90,652    | 109,277   | 70,968    | 154,847   | 95,169    |
| Other wood              | 44,894                    | 153,485   | 232,980   | 126,942   | 105,868   | 252,436   | 303,161   |
| Slabs and mill waste    | 176,081                   | 661,235   | 695,502   | 558,043   | 441,477   | 480,141   | 238,444   |

¹ Principally domestic.

² Domestic only.

³ Included with "Other wood."

**No. 688.—WOOD PULP: TOTAL PRODUCTION, AND BY STATES AND PROCESSES**

NOTE.—In 1934, 1,203,961 tons of mechanical pulp were not steamed and 94,243 tons steamed; of the sulphite and sulphate pulp, 1,816,480 tons were unbleached and 909,758 bleached

| Year | Tons¹     | Year | Tons¹     | Year | Tons¹     | Year | Tons¹     |
|------|-----------|------|-----------|------|-----------|------|-----------|
| 1899 | 1,179,525 | 1921 | 2,875,601 | 1929 | 4,862,885 | 1933 | 4,276,204 |
| 1909 | 2,495,523 | 1923 | 3,783,672 | 1930 | 4,630,308 | 1934 | 4,436,128 |
| 1914 | 2,893,150 | 1925 | 3,962,217 | 1931 | 4,409,344 |      |           |
| 1919 | 3,617,952 | 1927 | 4,313,408 | 1932 | 3,760,267 |      |           |

| State and process¹ | 1909      | 1919      | 1929      | 1931      | 1932      | 1933      | 1934      |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Principal States:  |           |           |           |           |           |           |           |
| Maine              | 620,705   | 918,764   | 981,438   | 889,416   | 764,834   | 778,670   | 833,107   |
| Louisiana          |           | (²)       | 245,590   | 260,765   | 289,021   | 332,983   | 339,602   |
| New York           | 679,534   | 811,958   | 662,988   | 468,510   | 353,867   | 393,615   | 364,872   |
| Wisconsin          | 324,590   | 506,549   | 733,617   | 586,271   | 476,228   | 515,470   | 494,300   |
| Pennsylvania       | 135,525   | 215,088   | 213,083   | 180,023   | 180,149   | 123,758   | 127,541   |
| New Hampshire      | 212,599   | 232,134   | 212,774   | (²)       | (²)       | 78,802    | (²)       |
| Michigan           | 64,369    | 106,194   | 178,015   | 160,111   | 153,323   | 153,674   | 169,270   |
| Minnesota          | 37,295    | 129,580   | 189,664   | 148,369   | 134,609   | 154,522   | 137,098   |
| Washington         | (²)       | 33,575    | 523,948   | 580,016   | 420,629   | 533,770   | 709,380   |
| Vermont            | 69,356    | 85,945    | 26,307    | 25,601    | (²)       | 18,000    | 14,040    |
| Virginia           | 48,841    | (²)       | 206,050   | 223,417   | 207,660   | 241,803   | 235,221   |
| California         |           |           | 256,546   |           |           |           |           |
| Oregon             | 83,692    | 123,990   |           | 237,532   | 187,133   | 189,332   | 240,167   |
| Other States       | 229,298   | 305,597   | 431,870   | 681,313   | 643,014   | 661,805   | 771,632   |
| Process:           |           |           |           |           |           |           |           |
| Mechanical         | 1,179,266 | 1,518,829 | 1,649,112 | 1,450,355 | 1,208,322 | 1,201,796 | 1,298,204 |
| Sulphite           | 1,017,631 | 1,410,829 | 1,737,085 | 1,453,194 | 1,167,263 | 1,353,088 | 1,472,306 |
| Soda               | 298,626   | 411,093   | 520,729   | 374,054   | 290,703   | 345,790   | 411,686   |
| Sulphate           |           | 120,378   | 915,478   | 1,036,113 | 1,031,817 | 1,263,530 | 1,253,932 |
| Semi-chemical      |           |           | 40,481    | 86,628    | 67,162    | (²)       | (²)       |

¹ Beginning 1914 includes screenings except data by process for 1919.

² Not shown separately.

³ Soda includes semi-chemical pulp, also for 1933, data for a small quantity of pulp not covered by items specified to avoid disclosing production of individual establishments.

⁴ Includes data for a small quantity of pulp not covered by items specified.

Source of tables 687 and 688: Bureau of the Census, Department of Commerce.

## No. 689.—PAPER AND PAPER BOARDS: CENSUS STATISTICS OF PRODUCTION

[Quantities in thousands of short tons (2,000 pounds); values in thousands of dollars]

| Product                                 | Quantity |        |       |                   |       |                   | Value   |         |         |         |
|-----------------------------------------|----------|--------|-------|-------------------|-------|-------------------|---------|---------|---------|---------|
|                                         | 1927     | 1929   | 1931  | 1932 <sup>1</sup> | 1933  | 1934 <sup>1</sup> | 1927    | 1929    | 1931    | 1933    |
| Paper and paper boards, total           | 10,002   | 11,140 | 9,382 | 7,988             | 9,180 | 9,180             | 872,207 | 903,301 | 631,106 | 521,553 |
| Standard newsprint, in rolls and sheets | 1,517    | 1,409  | 1,203 | 1,047             | 928   | 990               | 98,782  | 80,707  | 63,654  | 32,206  |
| Hanging                                 | 113      | 101    | 80    | 61                | 69    | 92                | 9,036   | 7,294   | 5,800   | 3,346   |
| Poster, novel, newstablet, lining, etc. | 183      | 151    | 136   | (?)               | 156   | (?)               | 15,573  | 11,743  | 9,624   | 8,035   |
| Catalog                                 |          | 112    | 89    | 64                | 63    | 62                | 9,571   | 7,064   | 4,250   | 4,250   |
| Book                                    | 1,329    | 1,498  | 1,209 | 946               | 1,080 | 1,055             | 160,869 | 168,272 | 120,283 | 83,244  |
| Cover                                   | 26       | 28     | 24    | 14                | 13    | 17                | 5,938   | 6,430   | 4,372   | 2,104   |
| Writing (fine)                          | 509      | 608    | 488   | 424               | 478   | 415               | 105,148 | 113,224 | 77,865  | 61,530  |
| Wrapping                                | 1,525    | 1,606  | 1,402 | 1,244             | 1,440 | 1,357             | 162,580 | 163,442 | 110,885 | 95,798  |
| Boards                                  | 3,774    | 4,461  | 3,848 | 3,303             | 4,076 | 4,073             | 211,264 | 227,742 | 149,112 | 161,181 |
| Tissue                                  | 316      | 388    | 396   | 359               | 407   | 399               | 46,617  | 53,800  | 45,041  | 37,711  |
| Absorbent                               | 64       | 91     | 77    | 58                | 80    | 79                | 13,331  | 16,973  | 14,774  | 12,082  |
| Building                                | 626      | 659    | 395   | 294               | 328   | 329               | 40,002  | 39,376  | 18,120  | 14,060  |
| All other                               | 21       | 30     | 31    | 183               | 74    | 319               | 3,008   | 5,228   | 4,501   | 6,230   |

<sup>1</sup> Value not reported.<sup>2</sup> Included with "All other."

Source: Bureau of the Census, Department of Commerce.

## No. 690.—TURPENTINE AND ROSIN PRODUCTION

| Year <sup>1</sup>    | Turpentine (gallons) |                       |                        | Rosin (barrels of 500 pounds) |                       |                        |
|----------------------|----------------------|-----------------------|------------------------|-------------------------------|-----------------------|------------------------|
|                      | Total                | From gum <sup>2</sup> | From wood <sup>3</sup> | Total                         | From gum <sup>2</sup> | From wood <sup>3</sup> |
| 1899                 | 37,733,500           | 37,733,500            | (4)                    | 2,434,933                     | 2,434,933             | (4)                    |
| 1904                 | 31,129,236           | 30,687,051            | 442,185                | 1,904,674                     | 1,904,674             | (4)                    |
| 1909                 | 29,714,132           | 28,088,064            | 706,868                | 1,827,760                     | 1,827,760             | (4)                    |
| 1914                 | 27,648,939           | 26,980,981            | 575,557                | 1,649,160                     | 1,616,643             | 29,022                 |
| 1919                 | 19,228,174           | 17,693,841            | 1,534,333              | 1,269,717                     | 1,138,960             | 131,057                |
| 1925-26              | 27,261,425           | 23,922,250            | 3,339,175              | 1,903,370                     | 1,678,866             | 324,504                |
| 1927-28              | 35,882,255           | 31,649,082            | 4,333,176              | 2,524,000                     | 2,071,813             | 452,187                |
| 1929-30              | 35,940,124           | 31,320,871            | 4,619,253              | 2,464,186                     | 1,975,631             | 478,555                |
| 1930-31 <sup>7</sup> | 34,193,691           | 29,938,406            | 4,255,225              | 2,425,125                     | 1,986,208             | 438,917                |
| 1931-32              | 27,499,514           | 24,349,024            | 3,150,490              | 1,904,397                     | 1,670,885             | 333,512                |
| 1932-33 <sup>7</sup> | 28,756,550           | 25,050,000            | 3,706,550              | 2,073,330                     | 1,703,400             | 369,930                |
| 1933                 | 29,162,200           | 25,600,000            | 3,562,200              | 2,149,019                     | 1,700,000             | 449,019                |
| 1933-34 <sup>7</sup> | 31,238,050           | 26,300,000            | 4,938,050              | 2,297,337                     | 1,788,080             | 509,277                |
| 1934-35 <sup>7</sup> | 30,154,850           | 25,500,000            | 4,654,850              | 2,229,122                     | 1,734,000             | 495,122                |
| 1935-36 <sup>7</sup> | 30,148,400           | 24,850,000            | 5,295,400              | 2,276,491                     | 1,701,187             | 575,304                |

| State          | Production from crude gum <sup>1</sup> |            |            |            |                               |           |                       |                       |
|----------------|----------------------------------------|------------|------------|------------|-------------------------------|-----------|-----------------------|-----------------------|
|                | Turpentine (gallons)                   |            |            |            | Rosin (barrels of 500 pounds) |           |                       |                       |
|                | 1919                                   | 1929-30    | 1934-35    | 1935-36    | 1919                          | 1929-30   | 1934-36 <sup>13</sup> | 1935-36 <sup>13</sup> |
| Alabama        | 2,037,005                              | 1,993,410  | 2,226,150  | 2,281,850  | 120,839                       | 123,758   | 148,410               | 180,450               |
| Florida        | 6,992,489                              | 9,847,151  | 6,885,000  | 7,070,800  | 486,432                       | 623,188   | 450,000               | 469,920               |
| Georgia        | 3,997,310                              | 15,938,491 | 14,440,850 | 13,772,500 | 234,600                       | 1,002,440 | 902,710               | 909,407               |
| Mississippi    | 1,749,812                              | 1,287,776  | 451,350    | 502,250    | 115,984                       | 81,633    | 30,090                | 32,271                |
| Louisiana      | 1,885,231                              | 1,032,900  | 247,350    | 226,650    | 112,900                       | 70,580    | 16,490                | 15,311                |
| Texas          | 906,404                                |            | 238,350    | 103,300    | 60,179                        |           | 19,890                | 5,057                 |
| North Carolina |                                        |            | 104,550    | 47,800     |                               |           | 6,970                 | 3,250                 |
| South Carolina | 125,590                                | 1,241,143  | 846,600    | 834,850    | 7,636                         | 73,936    | 55,440                | 53,716                |

<sup>1</sup> The figures of turpentine and rosin from crude gum from 1926 through 1930, and from wood for 1926, and from 1933 through 1936 refer to the crop year ended Mar. 31. All other figures relate to calendar years.<sup>2</sup> Compiled from data reported by establishments engaged in the manufacture of lumber and timber products.<sup>3</sup> Compiled from data reported by establishments engaged in the wood-distillation industry.<sup>4</sup> Not reported.<sup>5</sup> Includes for 1909 and 1914, 18,310 gallons and 92,401 gallons, respectively, of turpentine and for 1914, 4,495 barrels of rosin reported by establishments engaged in the manufacture of lumber and timber products.<sup>6</sup> Compiled by the Turpentine and Rosin Producers' Association.<sup>7</sup> Compiled by the Bureau of Chemistry and Soils, Department of Agriculture.<sup>8</sup> Complete data are not available. Data are estimates by J. E. Lockwood. Figures include estimates of rosin produced from reclaimed gum as follows: 1932-33, 33,400 barrels; 1933-34, 35,000; 1934-35, 34,000.<sup>9</sup> Includes estimates by J. E. Lockwood for production of turpentine from steam-distilled wood.<sup>10</sup> Includes 3,989,000 gallons reported to the Control Committee of the Marketing Agreement for Gum Turpentine and Gum Rosin Processors, but not reported directly to the Census Bureau.<sup>11</sup> Includes 269,000 gallons computed upon the basis of 3 1/4 barrels of rosin to each barrel of turpentine.<sup>12</sup> Includes 54,187 barrels of rosin produced from reclaimed gum.<sup>13</sup> Does not include rosin produced from reclaimed gum. See notes 8 and 12.

Source: Bureau of the Census, Department of Commerce, except as noted.

### 30.—FISHERIES

#### No. 691.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS

NOTE.—Values in this table and tables 692 to 694 represent the value of the fish to the fishermen

##### NEW ENGLAND STATES

| Calendar year | Total         |               | Maine        |               | New Hampshire |               |
|---------------|---------------|---------------|--------------|---------------|---------------|---------------|
|               | 1,000 pounds  | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds  | 1,000 dollars |
| 1880.....     |               | 12,503.0      |              | 2,742.6       |               | 170.6         |
| 1902.....     | 584,075       | 12,406.3      | 242,390      | 2,618.8       | 1,583         | 50.0          |
| 1905.....     | 530,029       | 15,139.0      | 173,843      | 3,257.0       | 677           | 53.0          |
| 1910.....     | 467,340       | 19,838.7      | 147,956      | 3,889.0       | 529           | 92.7          |
| 1928.....     | 603,598       | 25,819.9      | 123,326      | 4,231.1       | 239           | 45.6          |
| 1929.....     | 694,286       | 29,072.5      | 162,939      | 4,897.2       | 378           | 52.1          |
| 1930.....     | 701,351       | 27,493.5      | 143,824      | 4,329.4       | 1,069         | 69.1          |
| 1931.....     | 540,298       | 20,140.3      | 116,235      | 3,443.4       | 775           | 66.0          |
| 1932.....     | 480,621       | 14,001.3      | 90,002       | 2,413.3       | 744           | 57.7          |
| 1933.....     | 409,936       | 13,485.6      | 98,498       | 2,307.1       | 524           | 57.1          |
| Calendar year | Massachusetts |               | Rhode Island |               | Connecticut   |               |
|               | 1,000 pounds  | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds  | 1,000 dollars |
| 1880.....     |               | 7,659.8       |              | 996.8         |               | 933.2         |
| 1902.....     | 230,646       | 6,482.4       | 21,614       | 1,155.7       | 37,832        | 1,799.4       |
| 1908.....     | 244,313       | 7,095.0       | 44,254       | 1,732.0       | 66,942        | 2,982.0       |
| 1910.....     | 246,951       | 10,859.7      | 48,251       | 5,236.6       | 23,963        | 1,700.6       |
| 1928.....     | 380,160       | 16,043.8      | 27,066       | 2,397.9       | 72,198        | 3,294.6       |
| 1929.....     | 447,689       | 18,052.6      | 28,401       | 2,435.3       | 54,870        | 3,635.4       |
| 1930.....     | 442,474       | 16,289.1      | 28,672       | 2,287.3       | 38,012        | 4,618.6       |
| 1931.....     | 355,834       | 12,951.0      | 21,683       | 1,662.8       | 45,771        | 2,016.2       |
| 1932.....     | 347,593       | 8,928.3       | 20,536       | 1,491.4       | 21,046        | 1,119.6       |
| 1933.....     | 373,070       | 9,507.0       | 17,866       | 1,001.3       | 9,878         | 613.1         |

##### MIDDLE ATLANTIC STATES

| Calendar year | Total        |               | New York     |               | New Jersey   |               | Pennsylvania |               | Delaware     |               |
|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|
|               | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars |
| 1880.....     | 408,202      | 8,677.0       | 320,453      | 4,225.7       | 65,151       | 3,176.6       | 1,680        | 277.0         | 11,918       | 967.7         |
| 1901.....     | 357,888      | 9,104.7       | 228,002      | 3,894.3       | 117,931      | 4,755.5       | 6,030        | 251.5         | 5,835        | 203.4         |
| 1908.....     | 221,460      | 8,280.0       | 71,474       | 4,300.0       | 74,827       | 3,066.0       | 4,380        | 280.0         | 70,769       | 541.0         |
| 1921.....     | 332,032      | 11,667.4      | 210,877      | 4,686.9       | 96,837       | 5,983.4       | 595          | 44.6          | 25,023       | 652.4         |
| 1929.....     | 190,773      | 14,137.0      | 47,259       | 5,061.7       | 110,002      | 8,730.7       | 42           | 9.3           | 33,470       | 335.9         |
| 1930.....     | 193,868      | 13,063.7      | 45,495       | 4,933.7       | 97,275       | 7,474.4       | 17           | 2.8           | 51,081       | 652.8         |
| 1931.....     | 164,809      | 9,211.2       | 50,994       | 2,974.1       | 92,846       | 5,554.2       | 76           | 4.7           | 20,983       | 378.2         |
| 1932.....     | 141,221      | 4,654.0       | 64,866       | 2,333.3       | 72,695       | 2,217.8       | 32           | 1.7           | 3,729        | 101.1         |
| 1933.....     | 160,764      | 4,811.1       | 39,911       | 2,452.6       | 93,264       | 2,146.3       | 52           | 3.0           | 36,527       | 200.2         |

##### CHESAPEAKE BAY STATES

| Calendar year | Total        |               | Maryland     |               | Virginia     |               |
|---------------|--------------|---------------|--------------|---------------|--------------|---------------|
|               | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars |
| 1880.....     | 254,587      | 8,346.2       | 95,713       | 5,221.7       | 158,875      | 3,124.4       |
| 1901.....     | 461,159      | 8,380.8       | 82,975       | 3,767.5       | 378,183      | 4,613.4       |
| 1908.....     | 426,311      | 8,022.0       | 113,796      | 3,306.0       | 312,515      | 4,716.0       |
| 1920.....     | 530,750      | 12,746.4      | 69,531       | 4,198.7       | 471,219      | 8,541.7       |
| 1929.....     | 274,673      | 11,580.6      | 63,388       | 4,294.9       | 211,285      | 7,285.7       |
| 1930.....     | 316,303      | 11,472.0      | 71,069       | 3,984.7       | 245,294      | 7,487.3       |
| 1931.....     | 293,271      | 7,428.0       | 66,634       | 2,705.8       | 226,637      | 4,722.1       |
| 1932.....     | 359,007      | 5,905.0       | 61,626       | 1,939.7       | 297,381      | 3,965.3       |
| 1933.....     | 272,360      | 5,060.8       | 55,362       | 1,733.8       | 217,018      | 3,327.0       |
| 1934.....     | 289,011      | 5,943.4       | 42,210       | 1,768.5       | 246,801      | 4,176.9       |

##### SOUTH ATLANTIC STATES

| Calendar year | Total        |               | North Carolina |               | South Carolina |               | Georgia      |               | Florida (east coast only) |               |
|---------------|--------------|---------------|----------------|---------------|----------------|---------------|--------------|---------------|---------------------------|---------------|
|               | 1,000 pounds | 1,000 dollars | 1,000 pounds   | 1,000 dollars | 1,000 pounds   | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds              | 1,000 dollars |
| 1880.....     | 42,952       | 1,256.6       | 32,249         | 845.7         | 6,143          | 212.5         | 2,272        | 120.0         | 2,287                     | 78.4          |
| 1902.....     | 106,446      | 2,839.6       | 67,585         | 1,739.7       | 8,174          | 263.0         | 11,103       | 359.1         | 19,584                    | 477.9         |
| 1908.....     | 166,875      | 4,034.0       | 101,422        | 1,776.0       | 14,104         | 288.0         | 14,828       | 701.0         | 36,521                    | 1,269.0       |
| 1918.....     | 332,614      | 5,348.6       | 210,502        | 2,978.7       | 3,747          | 207.7         | 37,154       | 416.0         | 81,211                    | 1,746.2       |
| 1928.....     | 202,118      | 6,106.2       | 141,890        | 2,629.2       | 7,432          | 316.8         | 42,069       | 866.3         | 70,718                    | 2,393.9       |
| 1929.....     | 340,874      | 5,952.5       | 217,695        | 2,544.0       | 6,135          | 275.1         | 43,514       | 877.2         | 73,630                    | 2,256.2       |
| 1930.....     | 275,807      | 4,270.0       | 168,938        | 1,886.4       | 5,106          | 252.9         | 34,873       | 536.3         | 66,800                    | 1,044.4       |
| 1931.....     | 160,393      | 3,066.6       | 98,161         | 1,087.6       | 5,837          | 211.5         | 7,350        | 251.1         | 39,045                    | 516.4         |
| 1932.....     | 154,304      | 2,383.5       | 86,214         | 826.7         | 4,536          | 123.4         | 16,523       | 185.9         | 47,031                    | 1,247.5       |
| 1934.....     | 261,080      | 3,624.1       | 163,462        | 1,672.2       | 5,891          | 225.3         | 27,141       | 359.5         | 64,586                    | 1,367.1       |

## No. 691.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS—Continued

## GULF STATES

| Calendar year | Total        |               | Florida (west coast only) |               | Alabama      |               |
|---------------|--------------|---------------|---------------------------|---------------|--------------|---------------|
|               | 1,000 pounds | 1,000 dollars | 1,000 pounds              | 1,000 dollars | 1,000 pounds | 1,000 dollars |
| 1880.....     | 23, 561      | 1, 227. 5     | 8, 378                    | 564. 8        | 3, 542       | 119. 3        |
| 1902.....     | 113, 697     | 3, 494. 2     | 48, 120                   | 1, 462. 2     | 9, 361       | 266. 7        |
| 1908.....     | 118, 274     | 4, 860. 0     | 37, 566                   | 2, 120. 0     | 10, 665      | 387. 0        |
| 1918.....     | 130, 924     | 6, 510. 3     | 64, 754                   | 3, 420. 4     | 5, 609       | 230. 6        |
| 1928.....     | 191, 007     | 9, 866. 3     | 61, 121                   | 3, 866. 5     | 14, 466      | 586. 8        |
| 1929.....     | 194, 521     | 8, 951. 2     | 72, 323                   | 3, 863. 7     | 9, 025       | 410. 3        |
| 1930.....     | 141, 953     | 5, 015. 3     | 56, 260                   | 2, 077. 0     | 7, 113       | 315. 5        |
| 1931.....     | 138, 917     | 6, 794. 9     | 45, 009                   | 3, 001. 4     | 6, 168       | 222. 8        |
| 1932.....     | 145, 613     | 4, 044. 8     | 56, 280                   | 1, 725. 9     | 6, 106       | 168. 6        |
| 1934.....     | 186, 834     | 6, 366. 6     | 54, 215                   | 2, 267. 6     | 7, 904       | 253. 4        |

  

| Calendar year | Mississippi  |               | Louisiana    |               | Texas        |               |
|---------------|--------------|---------------|--------------|---------------|--------------|---------------|
|               | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars |
| 1880.....     | 788          | 22. 6         | 6, 966       | 392. 6        | 3, 859       | 123. 3        |
| 1902.....     | 23, 427      | 553. 2        | 24, 754      | 858. 3        | 8, 044       | 353. 8        |
| 1908.....     | 17, 302      | 459. 0        | 42, 302      | 1, 448. 0     | 10, 439      | 446. 0        |
| 1918.....     | 20, 592      | 762. 8        | 24, 964      | 1, 419. 4     | 25, 015      | 677. 2        |
| 1928.....     | 30, 701      | 1, 060. 1     | 69, 507      | 3, 477. 9     | 16, 212      | 875. 0        |
| 1929.....     | 34, 629      | 1, 005. 3     | 61, 920      | 2, 764. 6     | 16, 624      | 907. 3        |
| 1930.....     | 15, 736      | 740. 1        | 49, 886      | 1, 960. 4     | 15, 693      | 777. 5        |
| 1931.....     | 22, 985      | 695. 4        | 46, 794      | 1, 330. 3     | 19, 051      | 789. 8        |
| 1932.....     | 20, 603      | 497. 4        | 48, 340      | 1, 180. 6     | 14, 304      | 472. 3        |
| 1934.....     | 22, 163      | 652. 3        | 76, 633      | 2, 284. 6     | 25, 869      | 911. 7        |

## PACIFIC COAST STATES AND ALASKA

| Calendar<br>year | Pacific Coast States |                  |                 |                  |                 |                  |                 |                  | Alaska          |                  |
|------------------|----------------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|
|                  | Total                |                  | Washington      |                  | Oregon          |                  | California      |                  |                 |                  |
|                  | 1,000<br>pounds      | 1,000<br>dollars | 1,000<br>pounds | 1,000<br>dollars | 1,000<br>pounds | 1,000<br>dollars | 1,000<br>pounds | 1,000<br>dollars | 1,000<br>pounds | 1,000<br>dollars |
| 1888.....        | 87,043               | 4,010.0          | 20,468          | 811.0            | 26,048          | 734.0            | 40,527          | 2,495.0          |                 |                  |
| 1899.....        | 206,911              | 6,278.6          | 119,340         | 2,871.4          | 22,752          | 856.7            | 64,819          | 2,651.5          |                 |                  |
| 1908.....        | 103,056              | 6,539.0          | 111,850         | 3,513.0          | 23,221          | 1,356.0          | 53,479          | 1,970.0          |                 |                  |
| 1915.....        | 304,796              | 9,800.7          | 170,594         | 5,317.1          | 34,693          | 1,495.5          | 99,509          | 2,488.1          |                 |                  |
| 1925.....        | 627,026              | 24,580.5         | 139,457         | 9,470.4          | 40,008          | 3,442.4          | 447,600         | 11,651.7         |                 |                  |
| 1927.....        | 662,513              | 22,306.6         | 131,134         | 9,145.4          | 34,165          | 3,102.9          | 497,184         | 10,058.3         | 470,022         | 14,434.6         |
| 1928.....        | 705,112              | 20,512.8         | 88,901          | 7,500.8          | 27,474          | 2,682.3          | 588,647         | 10,326.7         | 699,289         | 17,797.3         |
| 1929.....        | 1,034,434            | 25,038.4         | 152,224         | 9,562.8          | 25,284          | 2,005.2          | 856,926         | 12,870.4         | 651,423         | 17,084.3         |
| 1930.....        | 833,389              | 23,064.1         | 110,039         | 8,334.8          | 26,459          | 2,256.3          | 696,891         | 12,473.0         | 620,702         | 12,755.6         |
| 1931.....        | 597,307              | 13,512.2         | 140,491         | 5,121.8          | 25,819          | 1,282.2          | 430,997         | 7,108.2          | 598,125         | 10,043.4         |
| 1932.....        | 650,828              | 9,484.3          | 94,959          | 3,378.0          | 22,986          | 728.7            | 442,883         | 5,377.6          | 606,520         | 7,062.5          |
| 1933.....        | 890,161              | 13,985.0         | 128,726         | 5,683.9          | 24,533          | 1,209.8          | 706,899         | 7,094.3          | 630,774         | 9,157.9          |
| 1934.....        | 1,546,102            | 19,950.1         | 113,469         | 6,306.1          | 26,468          | 1,456.7          | 1,406,175       | 12,188.3         | 819,269         | 11,957.9         |

## GREAT LAKES

| Calendar year           | Total <sup>1</sup> |               | Lake Superior |               | Lake Michigan |               | Lake Huron   |               | Lake Erie    |               |
|-------------------------|--------------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|--------------|---------------|
|                         | 1,000 pounds       | 1,000 dollars | 1,000 pounds  | 1,000 dollars | 1,000 pounds  | 1,000 dollars | 1,000 pounds | 1,000 dollars | 1,000 pounds | 1,000 dollars |
| 1885.....               | 99, 842            | 2, 891. 9     | 8, 828        | 261. 5        | 29, 518       | 875. 3        | 11, 457      | 276. 4        | 51, 457      | 1, 199. 1     |
| 1899.....               | 113, 727           | 2, 611. 4     | 5, 430        | 150. 9        | 34, 500       | 879. 7        | 12, 418      | 308. 1        | 58, 394      | 1, 150. 9     |
| 1908.....               | 106, 631           | 3, 768. 0     | 10, 198       | 342. 0        | 40, 019       | 1, 554. 0     | 12, 982      | 486. 0        | 41, 922      | 1, 280. 0     |
| 1917.....               | 104, 269           | 6, 295. 0     | 15, 447       | 726. 7        | 35, 461       | 2, 270. 9     | 13, 383      | 857. 6        | 38, 710      | 2, 327. 3     |
| 1927 <sup>2</sup> ..... | 81, 327            | 6, 794. 9     | 15, 302       | 918. 1        | 23, 681       | 2, 354. 8     | 15, 711      | 1, 444. 4     | 23, 799      | 1, 831. 3     |
| 1928.....               | 63, 368            | 5, 960. 8     | 13, 132       | 772. 7        | 17, 999       | 2, 332. 5     | 9, 943       | 1, 024. 0     | 19, 643      | 1, 573. 9     |
| 1929.....               | 85, 389            | 6, 787. 7     | 17, 148       | 835. 2        | 36, 616       | 3, 460. 9     | 10, 477      | 927. 5        | 18, 648      | 1, 268. 5     |
| 1930.....               | 94, 943            | 6, 080. 3     | 14, 694       | 895. 3        | 36, 973       | 2, 169. 0     | 16, 377      | 1, 310. 9     | 29, 640      | 1, 655. 5     |
| 1931.....               | 91, 727            | 6, 029. 2     | 11, 281       | 627. 8        | 25, 059       | 1, 991. 5     | 17, 727      | 1, 510. 2     | 34, 772      | 1, 698. 9     |
| 1932.....               | 83, 744            | 4, 331. 8     | 10, 173       | 379. 3        | 20, 602       | 1, 236. 3     | 15, 848      | 1, 143. 1     | 33, 670      | 1, 430. 3     |
| 1933.....               | 74, 604            | 4, 060. 4     | 10, 663       | 478. 1        | 21, 682       | 1, 411. 6     | 13, 351      | 954. 9        | 26, 187      | 1, 067. 7     |
| 1934.....               | 96, 411            | 5, 123. 7     | 17, 533       | 722. 8        | 28, 444       | 1, 837. 1     | 14, 612      | 954. 9        | 32, 809      | 1, 433. 3     |

<sup>1</sup> Includes in addition to the lakes shown small amounts for Lake Ontario and also prior to 1926, Lake St. Clair and St. Clair and Detroit Rivers and beginning 1926, Lake-of-the-Woods, Namakan Lake, and Rainy Lake.

<sup>2</sup> Data collected for the most part by State fishery agencies and compiled by the Bureau of Fisheries.

**No. 691.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS—Continued**

**MISSISSIPPI RIVER AND TRIBUTARIES**

| Year      | Total           |                  | Tributary                                             | 1922            |                  | 1931            |                  |
|-----------|-----------------|------------------|-------------------------------------------------------|-----------------|------------------|-----------------|------------------|
|           | 1,000<br>pounds | 1,000<br>dollars |                                                       | 1,000<br>pounds | 1,000<br>dollars | 1,000<br>pounds | 1,000<br>dollars |
| 1894..... | 44, 545         | 1, 384.6         | Arkansas River <sup>1</sup>                           | 2, 034          | 136.3            | 777             | 49.9             |
| 1899..... | 96, 797         | 1, 781.0         | Atchafalaya River <sup>2</sup>                        | 4, 579          | 254.7            | 9, 231          | 523.1            |
| 1903..... | 93, 374         | 1, 841.2         | Cumberland River.....                                 | 728             | 14.7             | 106             | 13.0             |
| 1908..... | 148, 284        | 3, 125.0         | Illinois River <sup>3</sup> .....                     | 12, 661         | 617.3            | 5, 985          | 159.7            |
| 1922..... | 105, 734        | 4, 603.6         | Missouri River <sup>4</sup> .....                     | 1, 232          | 105.2            | 1, 051          | 94.3             |
| 1931..... | 82, 383         | 2, 897.4         | Ohio River <sup>5</sup> .....                         | 7, 458          | 379.1            | 1, 221          | 95.5             |
|           |                 |                  | Red River <sup>6</sup> .....                          | 6, 677          | 324.5            | 6, 417          | 277.4            |
|           |                 |                  | St. Francis River <sup>6</sup> .....                  | 3, 684          | 108.9            | 2, 173          | 65.6             |
|           |                 |                  | Tennessee River <sup>6</sup> .....                    | 4, 990          | 98.3             | 5, 222          | 75.0             |
|           |                 |                  | Wabash River <sup>6</sup> .....                       | 12, 063         | 357.8            | 8, 388          | 152.0            |
|           |                 |                  | White River (Mis-<br>souri and Arkansas) <sup>6</sup> | 14, 662         | 405.9            | 12, 363         | 256.7            |
|           |                 |                  | Yazoo River <sup>6</sup> .....                        | 1, 022          | 55.8             | 1, 311          | 57.8             |
|           |                 |                  | Mississippi River <sup>7</sup>                        |                 |                  |                 |                  |
| 1894..... | 21, 242         | 587.8            |                                                       |                 |                  |                 |                  |
| 1899..... | 68, 604         | 823.0            |                                                       |                 |                  |                 |                  |
| 1903..... | 53, 851         | 1, 157.4         |                                                       |                 |                  |                 |                  |
| 1922..... | 33, 945         | 1, 645.3         |                                                       |                 |                  |                 |                  |
| 1931..... | 28, 130         | 1, 076.3         |                                                       |                 |                  |                 |                  |

<sup>1</sup> Including minor tributaries.

<sup>2</sup> Not included with Mississippi River and tributaries, 1899 to 1908.

<sup>3</sup> Includes tributaries in 1931.

<sup>4</sup> Including tributaries.

**No. 692.—SUMMARY OF THE FISHERIES OF THE UNITED STATES AND ALASKA, 1934**

| Section                                     | Fisher-<br>men     | Fish-<br>ing<br>vessels | Fish-<br>ing<br>boats | Products                       |                             |
|---------------------------------------------|--------------------|-------------------------|-----------------------|--------------------------------|-----------------------------|
|                                             |                    |                         |                       | Quantity                       | Value                       |
| Total.....                                  | Number<br>123, 284 | Number<br>4, 099        | Number<br>67, 649     | 1,000<br>pounds<br>3, 950, 779 | 1,000<br>dollars<br>74, 183 |
| New England States <sup>1</sup> .....       | 17, 073            | 595                     | 8, 400                | 499, 936                       | 13, 486                     |
| Middle Atlantic States <sup>1</sup> .....   | 8, 574             | 407                     | 3, 870                | 169, 753                       | 4, 811                      |
| Chesapeake Bay States.....                  | 20, 591            | 277                     | 12, 717               | 239, 011                       | 5, 943                      |
| South Atlantic and Gulf States.....         | 24, 898            | 740                     | 14, 398               | 447, 914                       | 9, 994                      |
| Pacific Coast States.....                   | 19, 232            | 954                     | 6, 373                | 1, 548, 102                    | 19, 950                     |
| Lake States.....                            | 7, 579             | 490                     | 3, 070                | 96, 411                        | 5, 124                      |
| Mississippi River States <sup>2</sup> ..... | 15, 884            | .....                   | 14, 548               | 82, 383                        | 2, 897                      |
| Alaska.....                                 | 9, 433             | 636                     | 4, 275                | 819, 269                       | 11, 058                     |

<sup>1</sup> Figures for the New England and Middle Atlantic States are for 1933.

<sup>2</sup> Figures for the Mississippi River States are for 1931.

**No. 693.—FISHERY PRODUCTS LANDED AT SEATTLE, WASH., BY UNITED STATES VESSELS AND FISH RECEIVED BY SEATTLE WHOLESALE DEALERS**

| Species                                    | Quantity in thousands<br>of pounds |         |         |         | Value in dollars |             |             |             |
|--------------------------------------------|------------------------------------|---------|---------|---------|------------------|-------------|-------------|-------------|
|                                            | 1932                               | 1933    | 1934    | 1935    | 1932             | 1933        | 1934        | 1935        |
| Grand total.....                           | 42, 266                            | 43, 353 | 44, 363 | 43, 261 | 1, 797, 611      | 2, 443, 235 | 2, 754, 582 | 3, 008, 581 |
| Landed by U. S. vessels <sup>1</sup> ..... | 24, 142                            | 24, 085 | 23, 944 | 25, 167 | 1, 055, 607      | 1, 461, 970 | 1, 648, 127 | 1, 869, 768 |
| Halibut.....                               | 21, 841                            | 22, 127 | 20, 559 | 21, 406 | 995, 634         | 1, 431, 431 | 1, 622, 237 | 1, 732, 739 |
| Sablefish.....                             | 1, 601                             | 1, 280  | 2, 259  | 2, 813  | 42, 022          | 39, 765     | 86, 001     | 105, 969    |
| Lingcod.....                               | 379                                | 471     | 737     | 675     | 10, 995          | 13, 735     | 24, 900     | 21, 195     |
| Rockfishes.....                            | 231                                | 207     | 389     | 203     | 6, 956           | 7, 039      | 14, 989     | 9, 865      |
| Received by wholesale dealers <sup>2</sup> | 18, 124                            | 19, 268 | 20, 419 | 23, 134 | 742, 004         | 951, 265    | 1, 106, 455 | 1, 138, 813 |
| Salmon:                                    |                                    |         |         |         |                  |             |             |             |
| Humpback or pink.....                      | 7                                  | 2, 524  | 5       | 1, 611  | 74               | 63, 751     | 103         | 37, 465     |
| Chum or keta.....                          | 3, 674                             | 3, 985  | 3, 864  | 5, 392  | 45, 482          | 111, 691    | 94, 700     | 168, 923    |
| King or spring.....                        | 7, 824                             | 5, 127  | 7, 189  | 4, 749  | 443, 768         | 367, 802    | 586, 485    | 353, 230    |
| Coho or silver.....                        | 4, 601                             | 4, 759  | 6, 240  | 6, 949  | 165, 393         | 272, 337    | 302, 182    | 398, 301    |
| Sockeye or red.....                        | 23                                 | 391     | 53      | 143     | 1, 327           | 30, 808     | 4, 026      | 18, 417     |
| Trout, steelhead.....                      | 114                                | 237     | .....   | .....   | 6, 403           | 17, 828     | .....       | .....       |
| Smelt.....                                 | 161                                | 258     | 440     | 437     | 6, 630           | 12, 032     | 17, 048     | 16, 690     |
| Sole.....                                  | 336                                | 548     | 954     | 2, 083  | 7, 895           | 15, 350     | 32, 265     | 55, 146     |
| Crabs.....                                 | 876                                | 595     | 602     | 712     | 48, 218          | 36, 000     | 40, 456     | 53, 288     |
| Miscellaneous.....                         | 473                                | 844     | 1, 072  | 1, 058  | 14, 814          | 23, 666     | 30, 130     | 37, 353     |

<sup>1</sup> Halibut fleet.

<sup>2</sup> Does not include fish received from Alaska or Canada.

Source of Tables 691, 692, and 693: Bureau of Fisheries, Department of Commerce.

**No. 694.—FISHERIES: PRODUCTS LANDED AT BOSTON AND GLOUCESTER, MASS.,  
AND PORTLAND, MAINE, BY FISHING VESSELS**

| Port and calendar year                                | Total, all species | Cod     | Haddock | Hake   | Pollock | Cusk  | Hali-<br>but | Mack-<br>erel | Miscel-<br>laneous |
|-------------------------------------------------------|--------------------|---------|---------|--------|---------|-------|--------------|---------------|--------------------|
| Quantity in thousands of pounds                       |                    |         |         |        |         |       |              |               |                    |
| <b>All three ports:</b>                               |                    |         |         |        |         |       |              |               |                    |
| 1924                                                  | 182,948            | 61,449  | 79,902  | 7,285  | 5,085   | 3,406 | 4,422        | 9,768         | 11,648             |
| 1925                                                  | 216,869            | 87,250  | 91,886  | 6,806  | 5,290   | 3,713 | 3,561        | 26,210        | 13,153             |
| 1926                                                  | 238,426            | 78,219  | 94,061  | 6,505  | 6,740   | 2,728 | 3,431        | 36,233        | 11,511             |
| 1927                                                  | 263,850            | 63,355  | 128,598 | 5,862  | 7,603   | 2,727 | 4,779        | 31,530        | 19,341             |
| 1928                                                  | 277,982            | 59,302  | 155,831 | 8,423  | 8,040   | 2,358 | 3,385        | 24,263        | 16,890             |
| 1929                                                  | 327,096            | 50,847  | 187,204 | 12,051 | 10,565  | 3,483 | 2,696        | 37,743        | 22,707             |
| 1930                                                  | 350,801            | 66,618  | 189,371 | 15,618 | 13,980  | 4,433 | 2,681        | 33,513        | 24,689             |
| 1931                                                  | 263,085            | 60,045  | 132,846 | 7,755  | 7,681   | 4,265 | 2,571        | 29,524        | 18,448             |
| 1932                                                  | 252,334            | 59,551  | 120,117 | 7,745  | 7,850   | 3,069 | 2,556        | 38,096        | 13,550             |
| 1933                                                  | 267,157            | 73,849  | 120,892 | 7,197  | 12,395  | 3,430 | 2,139        | 22,444        | 15,848             |
| 1934                                                  | 311,275            | 90,619  | 134,674 | 7,178  | 21,312  | 3,932 | 1,588        | 30,547        | 21,128             |
| 1935                                                  | 373,118            | 88,092  | 157,002 | 10,587 | 27,885  | 5,524 | 2,345        | 40,848        | 40,835             |
| <b>Boston:</b>                                        |                    |         |         |        |         |       |              |               |                    |
| 1933                                                  | 232,583            | 61,250  | 122,880 | 5,221  | 8,292   | 2,498 | 1,750        | 17,358        | 13,852             |
| 1934                                                  | 255,055            | 72,423  | 125,663 | 4,297  | 9,214   | 2,621 | 1,763        | 21,006        | 18,078             |
| 1935                                                  | 307,372            | 70,750  | 147,785 | 8,098  | 13,754  | 3,877 | 2,036        | 27,014        | 34,058             |
| <b>Gloucester:</b>                                    |                    |         |         |        |         |       |              |               |                    |
| 1933                                                  | 21,737             | 9,618   | 2,558   | 489    | 3,398   | 280   | 5            | 4,037         | 1,452              |
| 1934                                                  | 40,130             | 13,320  | 4,897   | 563    | 11,142  | 189   | 5            | 8,295         | 1,719              |
| 1935                                                  | 51,264             | 13,855  | 4,799   | 227    | 13,283  | 180   | 224          | 13,784        | 5,412              |
| <b>Portland:</b>                                      |                    |         |         |        |         |       |              |               |                    |
| 1933                                                  | 12,837             | 3,074   | 4,417   | 1,486  | 735     | 652   | 379          | 1,050         | 1,044              |
| 1934                                                  | 16,093             | 4,876   | 4,114   | 2,318  | 956     | 1,122 | 130          | 1,246         | 1,331              |
| 1935                                                  | 14,482             | 3,987   | 4,418   | 2,262  | 848     | 1,467 | 85           | 50            | 1,365              |
| Value in thousands and tenths of thousands of dollars |                    |         |         |        |         |       |              |               |                    |
| <b>All three ports:</b>                               |                    |         |         |        |         |       |              |               |                    |
| 1924                                                  | 6,993.0            | 2,138.3 | 2,308.6 | 186.1  | 159.4   | 68.1  | 780.6        | 541.0         | 801.0              |
| 1925                                                  | 8,115.6            | 2,321.2 | 2,747.7 | 173.7  | 147.6   | 84.6  | 655.2        | 1,101.0       | 794.4              |
| 1926                                                  | 9,068.6            | 2,647.5 | 3,082.9 | 146.2  | 153.7   | 60.6  | 671.2        | 1,406.0       | 891.0              |
| 1927                                                  | 9,404.5            | 2,148.5 | 3,531.7 | 156.5  | 171.8   | 71.4  | 839.9        | 1,295.0       | 1,101.0            |
| 1928                                                  | 10,849.1           | 2,198.7 | 5,036.5 | 221.7  | 174.4   | 62.7  | 609.0        | 1,355.9       | 1,190.2            |
| 1929                                                  | 13,051.7           | 1,983.5 | 6,845.3 | 405.1  | 243.5   | 102.9 | 484.5        | 1,382.4       | 1,604.5            |
| 1930                                                  | 12,785.5           | 2,208.1 | 6,645.8 | 304.9  | 263.8   | 113.2 | 443.0        | 1,157.6       | 1,650.1            |
| 1931                                                  | 9,249.3            | 1,758.4 | 4,434.4 | 178.0  | 113.7   | 83.2  | 375.9        | 1,225.7       | 1,080.0            |
| 1932                                                  | 6,083.9            | 1,301.5 | 2,906.8 | 136.6  | 85.7    | 45.8  | 261.2        | 618.4         | 727.9              |
| 1933                                                  | 6,850.9            | 1,641.7 | 3,374.0 | 144.3  | 158.8   | 40.3  | 226.1        | 498.2         | 758.5              |
| 1934                                                  | 8,261.3            | 2,324.1 | 3,753.7 | 188.0  | 329.4   | 78.4  | 217.7        | 552.5         | 817.5              |
| 1935                                                  | 9,004.7            | 2,096.0 | 3,877.6 | 245.2  | 532.6   | 109.5 | 229.8        | 724.6         | 1,189.4            |
| <b>Boston:</b>                                        |                    |         |         |        |         |       |              |               |                    |
| 1933                                                  | 6,093.6            | 1,361.0 | 3,205.0 | 111.8  | 105.9   | 38.2  | 191.0        | 402.5         | 678.2              |
| 1934                                                  | 7,110.3            | 1,875.3 | 3,536.6 | 122.5  | 158.8   | 52.7  | 206.1        | 422.0         | 735.7              |
| 1935                                                  | 7,732.8            | 1,698.3 | 3,894.1 | 106.1  | 276.9   | 76.2  | 205.4        | 540.1         | 1,045.7            |
| <b>Gloucester:</b>                                    |                    |         |         |        |         |       |              |               |                    |
| 1933                                                  | 441.9              | 209.2   | 52.9    | 9.3    | 47.6    | 1.7   | .4           | 82.8          | 38.0               |
| 1934                                                  | 755.7              | 323.4   | 102.2   | 16.8   | 160.7   | 2.4   | .3           | 116.6         | 33.3               |
| 1935                                                  | 935.0              | 301.8   | 79.5    | 5.0    | 245.6   | 1.8   | 14.5         | 183.5         | 102.3              |
| <b>Portland:</b>                                      |                    |         |         |        |         |       |              |               |                    |
| 1933                                                  | 315.3              | 71.5    | 116.0   | 23.2   | 5.4     | 9.2   | 34.7         | 12.9          | 42.4               |
| 1934                                                  | 365.3              | 125.4   | 114.9   | 48.7   | 9.0     | 23.3  | 11.3         | 13.3          | 48.5               |
| 1935                                                  | 336.9              | 95.9    | 104.0   | 44.1   | 9.1     | 31.5  | 9.9          | 1.0           | 41.4               |

**No. 695.—CANNED FISHERY PRODUCTS AND BY-PRODUCTS OF THE  
UNITED STATES AND ALASKA: VALUE**

NOTE.—Values in thousands of dollars. See also census statistics of fish canning, tables 671 and 775

| Product                          | 1925           | 1929           | 1930           | 1931          | 1932          | 1933          | 1934           | 1935           |
|----------------------------------|----------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|
| <b>Total value</b>               | <b>110,753</b> | <b>124,833</b> | <b>106,579</b> | <b>79,514</b> | <b>50,216</b> | <b>77,258</b> | <b>102,344</b> | <b>104,480</b> |
| Salmon                           | 54,638         | 56,066         | 42,835         | 38,083        | 26,460        | 36,242        | 45,818         | 32,475         |
| California sardines              | 9,650          | 11,997         | 8,742          | 4,715         | 2,358         | 3,805         | 5,481          | 6,287          |
| Maine and Massachusetts sardines | 8,076          | 6,898          | 4,459          | 2,647         | 1,370         | 2,397         | 3,315          | 3,143          |
| Tuna and tunalike fishes         | 8,374          | 9,873          | 13,056         | 7,279         | 6,183         | 6,634         | 10,010         | 12,824         |
| Shrimps and crabs                | 5,228          | 5,559          | 5,017          | 3,995         | 2,676         | 3,523         | 4,595          | 4,840          |
| Clams                            | 2,624          | 2,548          | 2,660          | 2,257         | 1,797         | 1,765         | 2,713          | 2,677          |
| Oysters                          | 2,761          | 2,732          | 1,837          | 964           | 1,008         | 1,076         | 1,722          | 2,045          |
| Miscellaneous canned products    | 4,514          | 5,372          | 4,249          | 3,000         | 1,897         | 3,957         | 6,209          | 8,753          |
| Menhaden—meal, scrap, and oil    | 8,440          | 3,630          | 2,674          | 1,140         | 1,180         | 1,587         | 2,328          | 2,636          |
| Miscellaneous byproducts         | 11,441         | 20,138         | 21,047         | 15,425        | 11,289        | 15,871        | 20,152         | 26,860         |

Source of tables 694 and 695: Bureau of Fisheries, Department of Commerce.

## No. 696.—CANNED SALMON OUTPUT, UNITED STATES AND ALASKA

[Quantity in thousands and tenths of thousands of 48-pound cases, value in thousands and tenths of thousands of dollars]

| Species                   | Quantity |                 |                                  |         | Value    |                 |                                  |          |
|---------------------------|----------|-----------------|----------------------------------|---------|----------|-----------------|----------------------------------|----------|
|                           | Total    | Wash-<br>ington | Oregon<br>and<br>Cali-<br>fornia | Alaska  | Total    | Wash-<br>ington | Oregon<br>and<br>Cali-<br>fornia | Alaska   |
| Total, all species:       |          |                 |                                  |         |          |                 |                                  |          |
| 1928                      | 6,926.8  | 497.4           | 345.5                            | 6,083.9 | 54,638.1 | 5,024.0         | 4,230.2                          | 45,383.9 |
| 1929                      | 6,900.0  | 1,278.5         | 342.1                            | 5,370.1 | 56,085.7 | 10,922.4        | 4,093.9                          | 40,469.4 |
| 1930                      | 6,086.4  | 708.7           | 345.2                            | 5,032.5 | 42,835.9 | 8,364.4         | 4,775.6                          | 29,695.9 |
| 1931                      | 6,740.0  | 1,068.7         | 267.5                            | 5,403.8 | 38,088.2 | 6,134.1         | 2,852.2                          | 29,096.0 |
| 1932                      | 6,000.0  | 412.3           | 242.2                            | 5,255.5 | 26,460.1 | 2,832.2         | 2,112.0                          | 21,715.9 |
| 1933                      | 6,302.5  | 848.9           | 288.0                            | 5,225.6 | 33,241.9 | 5,217.4         | 2,648.5                          | 28,376.0 |
| 1934                      | 8,383.0  | 596.1           | 305.1                            | 7,481.8 | 45,817.9 | 5,293.1         | 2,912.8                          | 37,612.0 |
| 1935                      | 6,027.9  | 620.8           | 274.0                            | 5,133.1 | 32,475.3 | 3,930.3         | 2,775.9                          | 25,768.1 |
| Coho or silver:           |          |                 |                                  |         |          |                 |                                  |          |
| 1933                      | 243.8    | 46.8            | 33.9                             | 163.1   | 1,382.1  | 204.0           | 243.0                            | 845.0    |
| 1934                      | 371.7    | 71.9            | 63.7                             | 236.1   | 2,303.5  | 509.2           | 560.6                            | 1,233.7  |
| 1935                      | 366.6    | 88.9            | 87.6                             | 190.1   | 2,821.0  | 652.8           | 751.9                            | 1,217.2  |
| Chum or keta:             |          |                 |                                  |         |          |                 |                                  |          |
| 1933                      | 735.0    | 49.8            | 27.0                             | 658.8   | 3,012.2  | 197.2           | 102.1                            | 2,712.8  |
| 1934                      | 855.3    | 88.2            | 26.4                             | 740.7   | 3,149.3  | 347.7           | 99.8                             | 2,701.8  |
| 1935                      | 807.8    | 25.4            | 19.5                             | 852.9   | 3,441.3  | 101.4           | 70.8                             | 3,269.1  |
| Humpback or pink:         |          |                 |                                  |         |          |                 |                                  |          |
| 1933                      | 2,722.7  | 540.2           | -----                            | 2,182.6 | 12,285.7 | 2,361.9         | -----                            | 9,873.7  |
| 1934                      | 3,827.7  | 3.0             | -----                            | 3,824.1 | 15,086.3 | 19.5            | -----                            | 15,066.8 |
| 1935                      | 3,020.7  | 376.6           | -----                            | 3,244.1 | 16,026.9 | 1,606.5         | -----                            | 13,420.4 |
| King, chinook, or spring: |          |                 |                                  |         |          |                 |                                  |          |
| 1933                      | 322.4    | 74.0            | 206.5                            | 41.4    | 3,071.4  | 677.2           | 2,083.1                          | 311.2    |
| 1934                      | 323.9    | 74.1            | 196.9                            | 52.9    | 3,166.6  | 766.1           | 2,038.4                          | 362.0    |
| 1935                      | 267.7    | 67.3            | 154.0                            | 36.4    | 2,885.6  | 736.3           | 1,832.6                          | 316.7    |
| Red or sockeye:           |          |                 |                                  |         |          |                 |                                  |          |
| 1933                      | 2,320.9  | 134.1           | 6.5                              | 2,180.3 | 16,379.4 | 1,858.1         | 88.0                             | 14,533.3 |
| 1934                      | 2,983.3  | 355.2           | 5.1                              | 2,628.0 | 21,359.6 | 3,630.7         | 80.2                             | 17,648.7 |
| 1935                      | 870.5    | 60.1            | .8                               | 809.6   | 3,367.9  | 811.5           | 11.7                             | 7,544.7  |
| Steelhead:                |          |                 |                                  |         |          |                 |                                  |          |
| 1933                      | 17.6     | 3.5             | 14.1                             | -----   | 161.2    | 28.9            | 132.3                            | -----    |
| 1934                      | 16.1     | 3.1             | 13.0                             | -----   | 153.7    | 19.9            | 133.8                            | -----    |
| 1935                      | 14.6     | 2.5             | 12.1                             | -----   | 132.6    | 21.8            | 110.8                            | -----    |

Source: Bureau of Fisheries, Department of Commerce.

## No. 697.—ALASKA FISHERY INDUSTRIES: SUMMARY OF PRODUCTS

| Product                   | Quantity in thousands of unit specified |        |        |        |        |        | Value in thousands of dollars |        |        |        |        |
|---------------------------|-----------------------------------------|--------|--------|--------|--------|--------|-------------------------------|--------|--------|--------|--------|
|                           | Unit                                    | 1925   | 1930   | 1933   | 1934   | 1935   | 1925                          | 1930   | 1933   | 1934   | 1935   |
| Total                     |                                         |        |        |        |        |        | 40,039                        | 37,879 | 32,123 | 41,963 | 31,231 |
| Salmon:                   |                                         |        |        |        |        |        |                               |        |        |        |        |
| Canned                    | Case                                    | 4,400  | 5,032  | 5,226  | 7,482  | 5,133  | 31,996                        | 29,695 | 28,376 | 37,612 | 26,768 |
| Fresh and frozen          | Pound                                   | 5,103  | 7,900  | 4,800  | 6,829  | 7,468  | 895                           | 679    | 252    | 405    | 440    |
| Cured, all forms          | do                                      | 6,896  | 6,979  | 6,358  | 5,360  | 6,853  | 1,297                         | 1,096  | 752    | 703    | 1,093  |
| By-products               | do                                      | 1,738  | 2,708  | 1,181  | 1,268  | 1,539  | 60                            | 62     | 20     | 29     | 32     |
| Halibut, fresh and frozen | do                                      | 10,972 | 31,557 | 14,069 | 13,221 | 9,806  | 884                           | 2,991  | 726    | 805    | 608    |
| Herring:                  |                                         |        |        |        |        |        |                               |        |        |        |        |
| Fresh and frozen          | do                                      |        | 79     |        |        | 40     |                               | 4      |        |        | 1      |
| Cured for food            | do                                      | 35,171 | 8,765  | 13,507 | 8,276  | 16,582 | 2,323                         | 495    | 620    | 475    | 851    |
| Bait                      | do                                      | 7,087  | 9,298  | 4,472  | 6,392  | 5,959  | 39                            | 103    | 39     | 52     | 51     |
| By-products               | do                                      | 34,806 | 50,002 | 45,317 | 55,738 | 58,636 | 1,480                         | 1,531  | 744    | 1,076  | 1,471  |
| Cod                       | do                                      | 2,854  | 322    | 338    | 408    | 148    | 129                           | 17     | 13     | 20     | 7      |
| Sablefish                 | do                                      | 1,043  | 449    | 108    | 215    | 505    | 45                            | 21     | 5      | 9      | 23     |
| Other fish                | do                                      | 142    | 484    | 119    | 342    | 288    | 10                            | 26     | 3      | 9      | 6      |
| Shrimps                   | do                                      | 520    | 514    | 319    | 381    | 384    | 207                           | 211    | 102    | 120    | 129    |
| Crabs                     | do                                      | 206    | 107    | 671    | 643    | 499    | 53                            | 35     | 156    | 208    | 163    |
| Clams                     | do                                      | 2,066  | 863    | 523    | 391    | 446    | 492                           | 242    | 246    | 189    | 198    |
| Wholes:                   |                                         |        |        |        |        |        |                               |        |        |        |        |
| Oil                       | do                                      | 7,224  | 7,084  | 2,344  | 6,656  | 7,896  | 556                           | 417    | 55     | 213    | 359    |
| Fertilizer                | do                                      | 2,444  | 2,340  | 1,084  | 2,698  | 2,676  | 57                            | 51     | 14     | 38     | 31     |
| All other                 | do                                      | 797    | 43     |        |        |        | 12                            | 2      |        |        |        |

Source: Bureau of Fisheries, Department of Commerce.



## No. 698.—CANNED SALMON: OUTPUT AND PRICES OF ALASKA PRODUCT

| Yearly average or year | Total value of pack (thousands of dollars) | Output, equivalent in thousands of cases of forty-eight 1-pound cans |                |              |                   |                | Average price in dollars per case of forty-eight 1-pound cans |                |              |                   |                |                 |
|------------------------|--------------------------------------------|----------------------------------------------------------------------|----------------|--------------|-------------------|----------------|---------------------------------------------------------------|----------------|--------------|-------------------|----------------|-----------------|
|                        |                                            | Total                                                                | Coho or silver | Chum or keta | Hump-back or pink | King or spring | Red or sock-eye                                               | Coho or silver | Chum or keta | Hump-back or pink | King or spring | Red or sock-eye |
| 1911-1915              | 16,398                                     | 3,835                                                                | 131            | 485          | 1,304             | 52             | 1,863                                                         | 4.45           | 2.85         | 3.07              | 5.11           | 5.54            |
| 1916-1920              | 39,897                                     | 5,293                                                                | 220            | 1,079        | 1,936             | 77             | 1,982                                                         | 8.73           | 5.35         | 6.10              | 9.94           | 10.20           |
| 1921                   | 19,633                                     | 2,697                                                                | 107            | 255          | 424               | 45             | 1,766                                                         | 5.63           | 3.68         | 4.21              | 10.22          | 8.96            |
| 1922                   | 29,787                                     | 4,502                                                                | 176            | 566          | 1,658             | 31             | 2,071                                                         | 5.47           | 3.98         | 4.34              | 8.08           | 9.24            |
| 1923                   | 32,873                                     | 5,036                                                                | 184            | 520          | 2,448             | 38             | 1,859                                                         | 5.74           | 4.65         | 4.86              | 8.56           | 9.24            |
| 1924                   | 33,007                                     | 5,295                                                                | 184            | 1,028        | 2,601             | 34             | 1,448                                                         | 6.83           | 4.68         | 4.93              | 8.89           | 9.53            |
| 1925                   | 31,990                                     | 4,460                                                                | 161            | 1,079        | 2,111             | 50             | 1,060                                                         | 9.72           | 4.44         | 5.28              | 11.91          | 13.12           |
| 1926                   | 46,080                                     | 6,653                                                                | 203            | 902          | 3,338             | 52             | 2,157                                                         | 8.40           | 5.01         | 5.39              | 10.37          | 9.80            |
| 1927                   | 30,016                                     | 3,572                                                                | 253            | 508          | 1,421             | 70             | 1,320                                                         | 8.51           | 5.47         | 5.87              | 11.26          | 12.08           |
| 1928                   | 45,384                                     | 6,084                                                                | 299            | 996          | 2,787             | 54             | 1,948                                                         | 7.12           | 6.06         | 6.56              | 11.13          | 9.41            |
| 1929                   | 40,489                                     | 5,370                                                                | 172            | 864          | 2,572             | 72             | 1,690                                                         | 7.69           | 5.35         | 6.06              | 11.92          | 10.71           |
| 1930                   | 29,695                                     | 5,032                                                                | 332            | 600          | 3,189             | 60             | 851                                                           | 8.26           | 3.60         | 4.17              | 13.32          | 12.57           |
| 1931                   | 29,096                                     | 5,404                                                                | 170            | 534          | 2,954             | 52             | 1,694                                                         | 6.51           | 3.19         | 3.46              | 9.40           | 9.20            |
| 1932                   | 21,716                                     | 5,254                                                                | 148            | 821          | 2,113             | 70             | 2,103                                                         | 4.12           | 2.70         | 3.14              | 5.46           | 5.01            |
| 1933                   | 28,376                                     | 5,226                                                                | 163            | 659          | 2,183             | 41             | 2,180                                                         | 5.20           | 4.12         | 4.52              | 7.51           | 6.71            |
| 1934                   | 37,612                                     | 7,482                                                                | 236            | 741          | 3,824             | 53             | 2,628                                                         | 5.23           | 3.66         | 4.10              | 6.85           | 6.72            |
| 1935                   | 25,768                                     | 6,133                                                                | 190            | 853          | 3,244             | 36             | 810                                                           | 6.40           | 3.83         | 4.14              | 8.70           | 9.32            |

## No. 699.—FISH PROPAGATION: OUTPUT OF FISH EGGS, FRY, AND FINGER-LINGS, BY UNITED STATES BUREAU OF FISHERIES, YEARS ENDED JUNE 30

[All quantities expressed in thousands]

| Year      | Total     | Eggs      | Fry       | Finger-lings | Cost per million <sup>1</sup> |
|-----------|-----------|-----------|-----------|--------------|-------------------------------|
| 1895..... | 619,916   | 55,408    | 561,894   | 2,613        | \$202.64                      |
| 1900..... | 1,164,337 | 88,082    | 1,070,767 | 4,598        | 250.00                        |
| 1915..... | 4,288,758 | 536,280   | 3,694,282 | 58,216       | 131.55                        |
| 1920..... | 4,770,356 | 630,749   | 3,872,218 | 267,388      | 130.11                        |
| 1925..... | 5,301,862 | 1,050,398 | 4,114,514 | 136,954      | 136.61                        |
| 1926..... | 5,232,373 | 737,136   | 4,195,942 | 299,295      | 142.63                        |
| 1927..... | 6,481,073 | 1,623,458 | 4,767,113 | 190,502      | 116.30                        |
| 1928..... | 7,036,817 | 2,253,244 | 4,621,439 | 261,634      | 119.37                        |
| 1929..... | 7,060,369 | 2,801,236 | 4,062,948 | 130,185      | 126.55                        |
| 1930..... | 7,570,482 | 2,558,481 | 4,766,881 | 250,170      | 120.50                        |
| 1931..... | 7,121,806 | 2,327,421 | 4,474,344 | 320,040      | 138.41                        |
| 1932..... | 7,073,935 | 2,808,231 | 4,117,085 | 148,619      | 141.00                        |
| 1933..... | 7,202,155 | 2,677,817 | 4,342,000 | 182,338      | 117.70                        |
| 1934..... | 3,258,131 | 2,160,766 | 961,997   | 126,368      | 176.40                        |
| 1935..... | 5,071,725 | 3,381,794 | 1,556,246 | 133,683      | 117.22                        |

| Species                   | 1935    |        |              | Species                   | 1935      |         |              |
|---------------------------|---------|--------|--------------|---------------------------|-----------|---------|--------------|
|                           | Eggs    | Fry    | Finger-lings |                           | Eggs      | Fry     | Finger-lings |
| Catfish.....              | 160     | —      | 16,486       | Pike and pickerel.....    | —         | —       | 37           |
| Buffalofish.....          | 191,377 | 47     | 3,381        | Crappie.....              | —         | —       | 6,908        |
| Carp.....                 | 87,400  | 142    | 8,285        | Black bass:               | —         | —       | —            |
| Shad.....                 | —       | 11,430 | 3            | Largemouth.....           | —         | 561     | 2,545        |
| Whitefish.....            | 50      | 39,239 | —            | Smallmouth.....           | —         | 1,148   | 240          |
| Lake herring (cisco)..... | 320     | 2,320  | —            | Rock bass.....            | —         | —       | 236          |
| Chinook salmon.....       | —       | —      | 22,521       | Warmouth bass.....        | —         | —       | 37           |
| Chum salmon.....          | —       | 15,454 | —            | Sunfish.....              | —         | —       | 10,603       |
| Silver salmon.....        | 183     | —      | 2,697        | Pike perch.....           | 510,075   | 5,620   | —            |
| Sockeye salmon.....       | —       | —      | 1,860        | Yellow perch.....         | —         | 451,000 | 492          |
| Steelhead salmon.....     | 50      | 47     | 1,153        | White perch.....          | —         | —       | —            |
| Atlantic salmon.....      | 775     | —      | 85           | Freshwater drum.....      | —         | 1,920   | —            |
| Landlocked salmon.....    | —       | —      | 139          | White bass.....           | —         | —       | 35           |
| Rainbow trout.....        | 3,357   | 15     | 9,983        | Miscellaneous fishes..... | —         | —       | 2,044        |
| Blackspotted trout.....   | 3,851   | —      | 22,324       | Mackerel.....             | —         | 2,123   | —            |
| Lock Leven trout.....     | 9,052   | 7,139  | 5,721        | Cod.....                  | 1,679,043 | —       | —            |
| Lake trout.....           | 2,306   | 1,663  | 106          | Haddock.....              | 236,836   | —       | —            |
| Brook trout.....          | 10,160  | 2,080  | 16,299       | Flatfish (flounder).....  | 336,312   | —       | 918,518      |
| Grayling.....             | 1,184   | —      | —            | Pollock.....              | 309,304   | 95,782  | —            |

<sup>1</sup> Includes all expenditures chargeable to fish culture and distribution and salaries of all employees in the fish-cultural field services and the administrative and clerical force in Washington, D. C.

Sources of tables 698 and 699: Bureau of Fisheries, Department of Commerce.

## 31.—MINING AND MINERAL PRODUCTS

[Data in this section cover the following areas unless otherwise indicated: Bureau of Census and American Iron and Steel Institute statistics, continental United States; Bureau of Mines production statistics, continental United States, and, for leading products, outlying areas; foreign trade statistics, United States customs area, which includes Alaska, Hawaii, Puerto Rico, and, beginning Jan. 1, 1935, the Virgin Islands. Index numbers of mineral production are shown in table 778, p. 768]

### No. 700.—TOTAL VALUE OF MINERAL PRODUCTS OF THE UNITED STATES

NOTE.—All figures in millions of dollars. See general note above

| Yearly average or year | Total | Metal-lic | Non-metal-lic | Un-specified | Year      | Total | Metal-lic | Non-metal-lic | Un-specified |
|------------------------|-------|-----------|---------------|--------------|-----------|-------|-----------|---------------|--------------|
| 1881-1885.....         | 426   | 101       | 229           | 0            | 1917..... | 4,992 | 2,088     | 2,900         | 6            |
| 1886-1890.....         | 540   | 248       | 292           | 1            | 1918..... | 5,541 | 2,153     | 3,381         | 7            |
| 1891-1895.....         | 592   | 244       | 347           | 1            | 1919..... | 4,598 | 1,360     | 3,238         | 3            |
| 1896-1900.....         | 828   | 366       | 461           | 1            | 1920..... | 6,981 | 1,762     | 5,214         | 5            |
| 1901-1905.....         | 1,302 | 578       | 813           | 1            | 1921..... | 4,139 | 854       | 3,482         | 3            |
| 1906-1910.....         | 1,887 | 769       | 1,118         | (1)          | 1922..... | 4,647 | 987       | 3,656         | 4            |
| 1911-1915.....         | 2,220 | 820       | 1,399         | 1            | 1923..... | 5,987 | 1,511     | 4,472         | 4            |
| 1916-1920.....         | 5,124 | 1,796     | 3,322         | 5            | 1924..... | 5,306 | 1,232     | 4,068         | 6            |
| 1921-1925.....         | 5,161 | 1,153     | 3,994         | 5            | 1925..... | 5,678 | 1,380     | 4,291         | 6            |
| 1926-1930.....         | 5,556 | 1,273     | 4,273         | 9            | 1926..... | 6,214 | 1,403     | 4,803         | 8            |
| 1931-1935.....         | 3,039 | 505       | 2,525         | 11           | 1927..... | 5,530 | 1,218     | 4,304         | 8            |
| 1909.....              | 1,887 | 755       | 1,132         | (1)          | 1928..... | 5,385 | 1,285     | 4,092         | 9            |
| 1910.....              | 1,988 | 750       | 1,238         | (1)          | 1929..... | 5,888 | 1,476     | 4,401         | 10           |
| 1911.....              | 1,924 | 681       | 1,243         | (1)          | 1930..... | 4,765 | 983       | 3,773         | 9            |
| 1912.....              | 2,238 | 802       | 1,375         | (1)          | 1931..... | 3,167 | 567       | 2,592         | 7            |
| 1913.....              | 2,434 | 879       | 1,554         | (1)          | 1932..... | 2,462 | 284       | 2,172         | 6            |
| 1914.....              | 2,111 | 637       | 1,424         | (1)          | 1933..... | 2,556 | 411       | 2,133         | 11           |
| 1915.....              | 2,395 | 992       | 1,400         | 2            | 1934..... | 3,325 | 540       | 2,770         | 15           |
| 1916.....              | 3,508 | 1,621     | 1,884         | 3            | 1935..... | 3,888 | 722       | 2,950         | 16           |

<sup>1</sup> Less than \$500,000.

Source: Bureau of Mines, Department of the Interior.

### No. 701.—YEARLY AVERAGE PRICES OF NONFERROUS METALS

[Prices are cents per pound, except quicksilver (dollars per flask<sup>1</sup>) and platinum (dollars per ounce)]

| Year           | Copper, electro-lytic (New York) | Lead (New York) | Tin <sup>1</sup> (New York) | Zinc (St. Louis)   | Alumi-num <sup>2</sup> (New York) | Anti-mony (New York) | Quick-silver (New York) | Plati-num (New York) |
|----------------|----------------------------------|-----------------|-----------------------------|--------------------|-----------------------------------|----------------------|-------------------------|----------------------|
| 1896-1900..... | <sup>4</sup> 13.41               | 3.84            | 19.54                       | <sup>4</sup> 4.55  | 37.15                             | 8.204                | 42.17                   | <sup>6</sup> 18.66   |
| 1901-1905..... | 13.877                           | 4.330           | 28.194                      | <sup>7</sup> 5.284 | 33.80                             | 7.398                | 43.17                   | 19.55                |
| 1906-1910..... | 15.042                           | 4.780           | 34.260                      | 5.432              | 31.12                             | 11.885               | 44.12                   | 26.58                |
| 1911-1915..... | 14.973                           | 4.369           | 41.104                      | 7.205              | 23.84                             | 12.373               | 52.77                   | 45.16                |
| 1916.....      | 15.269                           | 4.370           | 44.262                      | 5.504              | 23.83                             | 7.520                | 39.54                   | 44.88                |
| 1917.....      | 13.602                           | 3.862           | 34.301                      | 5.061              | 18.60                             | 8.763                | 43.31                   | 45.14                |
| 1918.....      | 17.275                           | 4.673           | 38.590                      | 13.054             | 34.13                             | 30.280               | 87.01                   | 47.13                |
| 1919.....      | 27.202                           | 6.858           | 43.480                      | 12.634             | 60.73                             | 26.370               | 125.49                  | 83.40                |
| 1920.....      | 27.180                           | 8.787           | 61.802                      | 8.730              | 51.25                             | 20.690               | 106.30                  | 102.82               |
| 1921.....      | <sup>8</sup> 24.628              | 7.413           | ( <sup>9</sup> )            | 7.890              | 33.60                             | 12.581               | 123.47                  | 105.95               |
| 1922.....      | 18.691                           | 5.759           | 63.328                      | 8.988              | 32.14                             | 8.190                | 92.15                   | 114.61               |
| 1923.....      | 17.456                           | 7.967           | 49.101                      | 7.671              | 30.61                             | 8.485                | 81.12                   | 110.90               |
| 1924.....      | 12.502                           | 4.545           | 29.916                      | 4.655              | 21.21                             | 4.957                | 45.46                   | 75.03                |
| 1925.....      | 13.382                           | 5.734           | 32.564                      | 5.716              | 18.68                             | 5.471                | 58.95                   | 97.02                |
| 1926.....      | 14.421                           | 7.267           | 42.664                      | 6.807              | 25.41                             | 7.897                | 66.50                   | 116.54               |
| 1927.....      | 13.024                           | 8.097           | 50.176                      | 6.844              | 27.03                             | 10.836               | 69.76                   | 118.82               |
| 1928.....      | 14.042                           | 9.020           | 57.803                      | 7.622              | 27.19                             | 17.494               | 83.13                   | 119.09               |
| 1929.....      | 13.795                           | 8.417           | 65.285                      | 7.337              | 26.99                             | 15.988               | 91.90                   | 113.27               |
| 1930.....      | 12.920                           | 6.769           | 64.353                      | 6.242              | 25.41                             | 12.393               | 118.16                  | 84.64                |
| 1931.....      | 14.570                           | 6.305           | 50.427                      | 6.027              | 23.90                             | 10.305               | 123.51                  | 78.58                |
| 1932.....      | 18.107                           | 6.833           | 45.155                      | 6.512              | 23.90                             | 8.956                | 122.14                  | 67.66                |
| 1933.....      | 12.982                           | 5.517           | 31.694                      | 4.556              | 23.79                             | 7.667                | 115.01                  | 45.36                |
| 1934.....      | 8.116                            | 4.243           | 24.487                      | 3.640              | 23.30                             | 6.720                | 87.35                   | 35.67                |
| 1935.....      | 5.555                            | 3.180           | 22.017                      | 2.876              | 23.30                             | 5.592                | 57.93                   | 36.46                |
| 1936.....      | 7.025                            | 3.869           | 39.110                      | 4.029              | 23.30                             | 6.528                | 59.23                   | 30.99                |
| 1937.....      | 8.428                            | 3.860           | 62.191                      | 4.153              | 21.58                             | 8.901                | 73.87                   | 35.47                |
| 1938.....      | 8.649                            | 4.065           | 50.420                      | 4.328              | 20.50                             | 13.616               | 71.99                   | 34.15                |

<sup>1</sup> Flasks of 75 pounds prior to 1928; 76 thereafter.

<sup>2</sup> 99 percent tin, 1896-1919; Straits tin thereafter.

<sup>3</sup> Prices 1896 to 1929 for pure aluminum (No. 1 virgin 98-99 percent); beginning 1930, for 99 percent + virgin ingot.

<sup>4</sup> Prices 1896 to 1898 are for Lake copper.

<sup>5</sup> Data are for New York zinc.

<sup>6</sup> Average for 1899 and 1900 only.

<sup>7</sup> Average, 1908-5; average for New York zinc, 1901-5, 5.058 cents.

<sup>8</sup> Average of 11 months.

<sup>9</sup> No average computed.

Sources: Engineering and Mining Journal; American Metal Market for aluminum, 1909-35.

# **No. 702.—MINES AND QUARRIES, PRODUCING AND NONPRODUCING: PRINCIPAL STATISTICS FOR CONTINENTAL UNITED STATES, 1929**

NOTE.—Statistics are not comparable with those for earlier years shown in the 1931 and previous issues of the Statistical Abstract owing to the exclusion of data for the petroleum and natural-gas industries (no data having been collected in 1920) and the inclusion of data for the sand and gravel, glass-sand, and moulding-sand industries (data having been collected for the first time in 1920)

|                                                                                                 | All enter-<br>prises | Producing<br>enterprises | Nonproducing<br>enterprises |                     |
|-------------------------------------------------------------------------------------------------|----------------------|--------------------------|-----------------------------|---------------------|
|                                                                                                 |                      |                          | Number or<br>amount         | Percent<br>of total |
| Number of enterprises.....                                                                      | 10,996               | 10,135                   | 861                         | 7.8                 |
| Number of mines and quarries.....                                                               | 12,506               | 11,602                   | 904                         | 7.2                 |
| Persons engaged, total.....                                                                     | 870,480              | 868,948                  | 6,532                       | .8                  |
| Proprietors and firm members.....                                                               | 4,929                | 4,807                    | 32                          | .6                  |
| Salaried employees.....                                                                         | 53,331               | 52,633                   | 698                         | 1.3                 |
| Wage earners (average for the year).....                                                        | 812,220              | 806,418                  | 5,802                       | .7                  |
| Power equipment (total horsepower).....                                                         | 7,584,463            | 7,514,843                | 69,620                      | .9                  |
| Prime movers.....                                                                               | 2,780,116            | 2,743,025                | 37,091                      | 1.3                 |
| Electric motors driven by purchased energy.....                                                 | 4,804,347            | 4,771,818                | 32,529                      | .7                  |
| Principal expenses, total.....1,000 dollars.....                                                | 1,875,844            | 1,861,168                | 14,776                      | .9                  |
| Salaries.....do.....                                                                            | 139,023              | 137,639                  | 1,384                       | 1.0                 |
| Wages.....do.....                                                                               | 1,099,895            | 1,091,900                | 7,905                       | .7                  |
| Contract work.....do.....                                                                       | 17,914               | 17,066                   | 857                         | 4.8                 |
| Supplies.....do.....                                                                            | 207,554              | 203,568                  | 3,986                       | 1.3                 |
| Fuel.....do.....                                                                                | 49,364               | 49,146                   | 218                         | .4                  |
| Purchased electric energy.....do.....                                                           | 72,195               | 71,760                   | 426                         | .6                  |
| Value of products.....do.....                                                                   | 2,392,831            | 2,392,831                | -----                       | -----               |
| Expenditures for development (included above in<br>"Principal expenses").....1,000 dollars..... | 80,646               | 76,488                   | 13,158                      | 14.7                |
| Machinery and other equipment purchased during the<br>year (total cost).....1,000 dollars.....  | 89,732               | 84,508                   | 2,224                       | 2.6                 |

# **No. 703.—PRODUCING MINES AND QUARRIES: PRINCIPAL STATISTICS, CONTI- NENTAL UNITED STATES**

|                                                    | 1909 <sup>1</sup> | 1919 <sup>1</sup> | 1929                |                                                            | Percent<br>increase or<br>decrease (—) |               |
|----------------------------------------------------|-------------------|-------------------|---------------------|------------------------------------------------------------|----------------------------------------|---------------|
|                                                    |                   |                   | All indus-<br>tries | Revised<br>(for com-<br>parative<br>purposes) <sup>1</sup> | 1909-<br>1919                          | 1919-<br>1929 |
| Number of enterprises.....                         | 12,089            | 11,466            | 10,135              | 9,063                                                      | -5.2                                   | -21.0         |
| Number of mines and quarries.....                  | 18,127            | 13,731            | 11,602              | 10,277                                                     | -24.3                                  | -25.2         |
| Persons engaged, total.....                        | 982,329           | 962,686           | 868,948             | 841,652                                                    | -3.0                                   | -11.6         |
| Proprietors and firm members.....                  | 13,703            | 7,095             | 4,807               | 4,629                                                      | -43.8                                  | -39.8         |
| Salaried employees.....                            | 37,946            | 56,515            | 52,633              | 48,666                                                     | 48.9                                   | -13.9         |
| Wage earners (average for the year).....           | 930,680           | 885,355           | 806,418             | 788,357                                                    | -4.5                                   | -11.3         |
| Power equipment (total horsepower).....            | 3,384,759         | 4,900,102         | 7,514,843           | 6,970,091                                                  | 44.8                                   | 42.2          |
| Prime movers.....                                  | 3,179,270         | 3,341,350         | 2,743,025           | 2,502,132                                                  | 5.1                                    | -25.1         |
| Electric motors driven by purchased<br>energy..... | 205,489           | 1,558,752         | 4,771,818           | 4,467,959                                                  | 658.6                                  | 186.0         |
| Principal expenses (1,000 dollars):                |                   |                   |                     |                                                            |                                        |               |
| Salaries.....                                      | 46,093            | 115,861           | 137,639             | 126,008                                                    | 151.4                                  | 8.8           |
| Wages.....                                         | 559,546           | 1,161,415         | 1,091,900           | 1,006,606                                                  | 107.6                                  | -8.2          |
| Contract work.....                                 | 12,151            | 10,717            | 17,066              | 16,595                                                     | -11.8                                  | 54.9          |
| Supplies and materials.....                        | 331,627           | 293,568           | 293,568             | 280,623                                                    | -----                                  | -15.4         |
| Fuel.....                                          | 196,530           | 74,082            | 49,146              | 44,693                                                     | 120.3                                  | -39.7         |
| Purchased electric energy.....                     | 27,230            | 71,760            | 71,760              | 66,416                                                     | -----                                  | -143.9        |
| Value of products (1,000 dollars).....             | 1,052,669         | 2,226,671         | 2,392,831           | 2,280,384                                                  | 111.5                                  | 2.4           |

<sup>1</sup> The figures for 1909, 1919, and 1929 have been adjusted to make them comparable.

Source of tables 702 and 703: Bureau of the Census, Department of Commerce.

## No. 704.—PRODUCING MINES AND QUARRIES: SUMMARY, BY STATES

NOTE.—Figures for 1919 and 1929 have been revised to make them comparable except for 1919 where data for revision were not available, and for certain States for 1929 where revision would result in disclosure of individual operations. Therefore, the totals for the United States are less than the sum of the figures for the States for both years and for geographic divisions for 1919; also the totals for most of the geographic divisions for 1929 are less than the sum of the figures for the States

[Wages and value of products in thousands of dollars]

| Division and State                           | Number of mines and quarries |               | Wage earners (average for the year) |                | Horsepower       |                  | Wages            |                  | Value of products |                  |
|----------------------------------------------|------------------------------|---------------|-------------------------------------|----------------|------------------|------------------|------------------|------------------|-------------------|------------------|
|                                              | 1919                         | 1929          | 1919                                | 1929           | 1919             | 1929             | 1919             | 1929             | 1919              | 1929             |
| <b>Continental U. S.</b>                     | <b>13,731</b>                | <b>10,277</b> | <b>888,355</b>                      | <b>788,857</b> | <b>4,900,102</b> | <b>3,970,091</b> | <b>1,161,415</b> | <b>1,068,608</b> | <b>2,226,671</b>  | <b>2,280,364</b> |
| <b>New England</b>                           | <b>334</b>                   | <b>347</b>    | <b>7,213</b>                        | <b>7,979</b>   | <b>82,725</b>    | <b>96,428</b>    | <b>3,089</b>     | <b>11,560</b>    | <b>18,723</b>     | <b>27,929</b>    |
| Maine                                        | 51                           | 56            | 979                                 | 1,170          | 6,277            | 12,076           | 1,052            | 1,577            | 1,823             | 3,468            |
| New Hampshire                                | 33                           | 39            | 682                                 | 669            | 4,336            | 5,455            | 826              | 773              | 1,568             | 1,562            |
| Vermont                                      | 109                          | 129           | 2,998                               | 3,154          | 28,099           | 39,906           | 3,042            | 4,163            | 8,555             | 10,276           |
| Massachusetts                                | 79                           | 77            | 1,704                               | 2,207          | 12,493           | 26,741           | 2,069            | 3,667            | 4,176             | 8,571            |
| Rhode Island                                 | 15                           | 14            | 369                                 | 256            | 3,000            | 4,237            | 400              | 385              | 952               | 809              |
| Connecticut                                  | 47                           | 42            | 543                                 | 761            | 8,520            | 10,756           | 647              | 1,220            | 1,649             | 3,810            |
| <b>Middle Atlantic</b>                       | <b>3,757</b>                 | <b>2,402</b>  | <b>324,242</b>                      | <b>282,918</b> | <b>1,723,094</b> | <b>2,294,898</b> | <b>446,802</b>   | <b>418,541</b>   | <b>777,718</b>    | <b>717,793</b>   |
| New York                                     | 147                          | 206           | 5,334                               | 5,021          | 61,143           | 102,389          | 6,410            | 7,480            | 15,230            | 24,272           |
| New Jersey                                   | 102                          | 71            | 4,576                               | 2,906          | 33,901           | 50,171           | 5,393            | 4,309            | 9,309             | 11,100           |
| Pennsylvania                                 | 3,505                        | 2,129         | 314,332                             | 276,138        | 1,628,050        | 2,143,828        | 434,999          | 401,988          | 753,179           | 683,531          |
| <b>East North Central</b>                    | <b>2,324</b>                 | <b>1,823</b>  | <b>181,733</b>                      | <b>115,863</b> | <b>953,714</b>   | <b>1,141,215</b> | <b>287,541</b>   | <b>154,018</b>   | <b>401,132</b>    | <b>318,842</b>   |
| Ohio                                         | 1,064                        | 744           | 44,175                              | 25,500         | 184,271          | 182,003          | 51,767           | 29,117           | 80,035            | 51,767           |
| Indiana                                      | 398                          | 375           | 20,348                              | 15,968         | 121,994          | 166,645          | 29,717           | 22,349           | 60,296            | 44,297           |
| Illinois                                     | 590                          | 486           | 70,371                              | 52,164         | 282,801          | 395,602          | 90,901           | 71,828           | 147,410           | 124,772          |
| Michigan                                     | 165                          | 117           | 31,292                              | 19,745         | 337,882          | 355,897          | 50,406           | 27,229           | 103,870           | 87,819           |
| Wisconsin                                    | 107                          | 104           | 3,547                               | 2,617          | 26,766           | 49,168           | 4,750            | 3,545            | 10,551            | 10,401           |
| <b>West North Central</b>                    | <b>1,270</b>                 | <b>1,166</b>  | <b>65,948</b>                       | <b>40,634</b>  | <b>330,264</b>   | <b>489,585</b>   | <b>74,651</b>    | <b>54,251</b>    | <b>211,597</b>    | <b>220,161</b>   |
| Minnesota                                    | 196                          | 143           | 17,265                              | 11,370         | 144,199          | 193,182          | 29,383           | 17,767           | 130,399           | 130,369          |
| Iowa                                         | 226                          | 207           | 11,274                              | 6,766          | 32,166           | 38,945           | 12,460           | 8,806            | 15,474            | 14,648           |
| Missouri                                     | 494                          | 401           | 14,857                              | 12,793         | 100,070          | 147,986          | 16,777           | 15,358           | 33,466            | 43,479           |
| <b>North and South</b>                       |                              |               |                                     |                |                  |                  |                  |                  |                   |                  |
| Dakota                                       | 107                          | 150           | 2,559                               | 2,507          | 13,881           | 35,202           | 3,526            | 3,834            | 7,242             | 10,527           |
| Nebraska                                     | 9                            | 8             | 162                                 | 137            | 1,847            | 1,605            | 166              | 182              | 293               | 460              |
| Kansas                                       | 238                          | 257           | 9,581                               | 7,061          | 38,101           | 67,065           | 12,333           | 8,104            | 21,823            | 20,688           |
| <b>South Atlantic</b>                        | <b>1,976</b>                 | <b>1,481</b>  | <b>117,406</b>                      | <b>130,236</b> | <b>510,985</b>   | <b>971,549</b>   | <b>196,860</b>   | <b>155,870</b>   | <b>262,555</b>    | <b>288,767</b>   |
| Delaware and Dist. of Col.                   | 11                           | 6             | 128                                 | 104            | 757              | 901              | 144              | 120              | 259               | 268              |
| Maryland                                     | 161                          | 119           | 5,028                               | 3,987          | 18,660           | 23,997           | 6,152            | 4,125            | 9,699             | 7,841            |
| Virginia                                     | 216                          | 196           | 14,547                              | 15,015         | 67,880           | 107,316          | 16,108           | 14,554           | 29,363            | 28,706           |
| West Virginia                                | 1,325                        | 870           | 86,610                              | 101,085        | 366,028          | 664,530          | 107,162          | 128,418          | 196,088           | 222,517          |
| North Carolina                               | 106                          | 123           | 1,890                               | 2,436          | 5,039            | 20,348           | 1,489            | 2,198            | 2,787             | 6,631            |
| South Carolina                               | 20                           | 35            | 933                                 | 1,298          | 4,656            | 18,470           | 680              | 980              | 1,351             | 3,093            |
| Georgia                                      | 82                           | 81            | 2,897                               | 3,665          | 12,996           | 34,386           | 2,017            | 2,898            | 4,082             | 9,430            |
| Florida                                      | 55                           | 66            | 3,872                               | 3,061          | 44,969           | 106,384          | 3,108            | 3,046            | 8,976             | 13,525           |
| <b>E. South Central and W. South Central</b> | <b>1,970</b>                 | <b>1,491</b>  | <b>109,793</b>                      | <b>120,698</b> | <b>481,635</b>   | <b>839,583</b>   | <b>122,187</b>   | <b>127,551</b>   | <b>225,570</b>    | <b>233,929</b>   |
| Kentucky                                     | 864                          | 617           | 41,444                              | 57,669         | 135,098          | 310,664          | 45,905           | 62,442           | 75,167            | 102,602          |
| Tennessee                                    | 203                          | 167           | 14,470                              | 11,441         | 66,076           | 73,772           | 12,687           | 10,333           | 22,292            | 22,050           |
| Alabama                                      | 348                          | 242           | 32,879                              | 31,674         | 145,776          | 265,066          | 36,230           | 30,663           | 50,866            | 55,363           |
| Arkansas                                     | 126                          | 121           | 3,614                               | 4,744          | 20,748           | 30,620           | 4,547            | 4,565            | 7,785             | 9,796            |
| Louisiana and Mississippi                    | 4                            | 2             | 387                                 | 94             | 6,886            | 590              | 469              | 130              | 8,001             | 220              |
| Oklahoma                                     | 284                          | 245           | 12,734                              | 10,047         | 94,939           | 98,481           | 16,050           | 13,318           | 34,430            | 31,560           |
| Texas                                        | 81                           | 104           | 4,665                               | 6,190          | 21,514           | 60,394           | 4,989            | 6,151            | 17,041            | 44,534           |
| <b>Mountain</b>                              | <b>1,598</b>                 | <b>1,094</b>  | <b>70,834</b>                       | <b>78,886</b>  | <b>700,398</b>   | <b>960,410</b>   | <b>127,508</b>   | <b>132,711</b>   | <b>269,454</b>    | <b>397,995</b>   |
| Montana                                      | 269                          | 169           | 10,091                              | 14,676         | 143,473          | 201,749          | 25,956           | 25,718           | 49,666            | 64,774           |
| Idaho                                        | 83                           | 65            | 2,466                               | 4,226          | 31,069           | 67,285           | 4,202            | 7,420            | 11,840            | 20,746           |
| Wyoming                                      | 87                           | 73            | 7,532                               | 5,282          | 49,864           | 60,565           | 11,080           | 9,664            | 19,969            | 18,817           |
| Colorado                                     | 323                          | 333           | 10,710                              | 14,493         | 114,448          | 116,692          | 25,263           | 22,267           | 51,063            | 41,805           |
| New Mexico                                   | 103                          | 89            | 7,100                               | 6,986          | 59,876           | 90,961           | 10,494           | 10,118           | 18,873            | 27,142           |
| Arizona                                      | 172                          | 134           | 15,298                              | 16,533         | 165,076          | 201,460          | 26,183           | 28,238           | 88,478            | 116,135          |
| Utah                                         | 154                          | 131           | 9,847                               | 12,149         | 85,816           | 179,475          | 17,197           | 21,225           | 41,511            | 82,843           |
| Nevada                                       | 207                          | 104           | 4,231                               | 4,686          | 50,786           | 72,915           | 7,401            | 8,104            | 18,054            | 26,495           |
| <b>Pacific</b>                               | <b>502</b>                   | <b>473</b>    | <b>12,790</b>                       | <b>11,138</b>  | <b>137,396</b>   | <b>156,329</b>   | <b>17,840</b>    | <b>17,122</b>    | <b>39,986</b>     | <b>45,978</b>    |
| Washington                                   | 93                           | 90            | 5,050                               | 3,632          | 37,996           | 39,321           | 7,496            | 5,796            | 13,329            | 12,271           |
| Oregon                                       | 52                           | 44            | 740                                 | 635            | 6,264            | 7,249            | 993              | 958              | 1,885             | 2,410            |
| California                                   | 357                          | 340           | 7,000                               | 6,869          | 93,124           | 110,019          | 9,351            | 10,382           | 24,752            | 30,689           |

Source: Bureau of the Census, Department of Commerce.

# No. 705.—PRODUCING MINES AND QUARRIES: SUMMARY BY INDUSTRIES, CONTINENTAL UNITED STATES

NOTE.—Figures for 1919 and 1920 for the limestone, sandstone, abrasive materials, and silica industries are not strictly comparable, owing to the inclusion or exclusion of data for 1920 not similarly treated for 1919. For the limestone industry, data for quarrying operations of lime and cement manufacturers are included in the figures for 1920 but not in those for 1919. For the sandstone industry, data for enterprises whose product was ground into glass or molding sand, or used as refractory materials (siliceous mica schist and gneiss), etc., are included in the figures for 1919 but excluded from those for 1920 and included in the figures for the glass-sand, molding-sand, abrasive-materials, or silica industries, according to the nature and purpose of the final product. Data for diatomaceous earth are included in the figures for abrasive materials in 1919 and in those for silica in 1920.

[Wages and value of products in thousands of dollars]

| Industry                     | Number of mines and quarries |               | Wage earners (average for the year) |                | Horsepower       |                  | Wages            |                  | Value of products |                  |
|------------------------------|------------------------------|---------------|-------------------------------------|----------------|------------------|------------------|------------------|------------------|-------------------|------------------|
|                              | 1919                         | 1920          | 1919                                | 1920           | 1919             | 1920             | 1919             | 1920             | 1919              | 1920             |
| <b>All industries</b>        | <b>13,731</b>                | <b>10,277</b> | <b>888,355</b>                      | <b>738,357</b> | <b>4,900,102</b> | <b>6,970,091</b> | <b>1,161,415</b> | <b>1,066,606</b> | <b>2,226,671</b>  | <b>2,280,384</b> |
| <b>Coal:</b>                 |                              |               |                                     |                |                  |                  |                  |                  |                   |                  |
| Anthracite                   | 421                          | 308           | 147,372                             | 142,801        | 899,783          | 1,041,465        | 210,289          | 229,067          | 304,084           | 384,854          |
| Bituminous                   | 8,282                        | 5,620         | 845,798                             | 458,782        | 2,155,048        | 5,124,187        | 682,901          | 574,800          | 1,145,978         | 906,604          |
| <b>Metals:</b>               |                              |               |                                     |                |                  |                  |                  |                  |                   |                  |
| Copper                       | 226                          | 180           | 43,717                              | 44,502         | 522,426          | 701,791          | 66,900           | 73,200           | 181,258           | 283,517          |
| Iron ore                     | 406                          | 208           | 46,741                              | 28,516         | 370,859          | 498,821          | 75,715           | 40,905           | 218,218           | 197,335          |
| Lead and zinc                | 473                          | 375           | 21,884                              | 26,907         | 220,401          | 357,737          | 30,708           | 36,192           | 76,579            | 112,423          |
| Gold and silver, lode mines  | 799                          | 268           | 15,436                              | 7,046          | 149,100          | 68,772           | 23,818           | 12,982           | 58,832            | 25,107           |
| Gold, placermines            | 132                          | 37            | 1,380                               | 578            | 35,632           | 20,280           | 1,914            | 970              | 9,369             | 3,779            |
| Mercury                      | 26                           | 40            | 748                                 | 1,029          | 2,607            | 5,625            | 828              | 1,384            | 1,903             | 2,820            |
| Manganese                    | 37                           | 21            | 908                                 | 864            | 5,800            | 2,842            | 1,066            | 392              | 2,188             | 1,185            |
| <b>Stone:</b>                |                              |               |                                     |                |                  |                  |                  |                  |                   |                  |
| Limestone                    | 925                          | 1,256         | 22,069                              | 32,300         | 213,717          | 535,486          | 23,920           | 39,188           | 52,944            | 117,268          |
| Granite                      | 381                          | 424           | 8,049                               | 10,037         | 65,614           | 108,217          | 5,588            | 12,640           | 18,279            | 30,361           |
| Basalt                       | 174                          | 144           | 3,336                               | 3,063          | 37,307           | 63,881           | 3,991            | 4,498            | 9,068             | 15,544           |
| Slate                        | 104                          | 130           | 3,513                               | 4,008          | 20,613           | 33,817           | 3,128            | 4,684            | 5,721             | 10,486           |
| Marble                       | 62                           | 38            | 1,732                               | 3,350          | 15,628           | 30,198           | 1,452            | 3,262            | 4,398             | 7,539            |
| Sandstone                    | 276                          | 172           | 4,387                               | 2,156          | 33,866           | 28,935           | 4,449            | 2,620            | 10,085            | 6,312            |
| Miscellaneous                | (?)                          | 234           | (?)                                 | 1,841          | (?)              | 28,527           | (?)              | 2,406            | (?)               | 8,475            |
| <b>Miscellaneous:</b>        |                              |               |                                     |                |                  |                  |                  |                  |                   |                  |
| Abrasive materials           | 34                           | 36            | 317                                 | 462            | 1,748            | 3,828            | 322              | 491              | 722               | 1,411            |
| Asbestos                     | 11                           | 11            | 140                                 | 195            | 420              | 2,114            | 92               | 237              | 250               | 397              |
| Asphalt and bituminous rock  | 12                           | 25            | 324                                 | 1,123          | 648              | 13,109           | 205              | 1,255            | 750               | 5,124            |
| Barite                       | 98                           | 44            | 919                                 | 844            | 3,029            | 4,066            | 769              | 948              | 1,592             | 1,801            |
| Clay                         | 350                          | 236           | 5,453                               | 4,139          | 21,203           | 31,877           | 5,367            | 3,758            | 10,086            | 10,765           |
| Feldspar                     | 32                           | 58            | 340                                 | 598            | 1,732            | 6,543            | 264              | 527              | 384               | 1,985            |
| Fluorspar                    | 72                           | 86            | 1,124                               | 1,083          | 7,138            | 6,513            | 1,196            | 1,112            | 3,353             | 2,868            |
| Fullers and filtering earths | 9                            | 24            | 824                                 | 991            | 2,533            | 8,221            | 541              | 853              | 2,019             | 4,812            |
| Gypsum                       | 43                           | 63            | 2,191                               | 2,078          | 15,082           | 26,498           | 2,478            | 2,028            | 6,806             | 5,740            |
| Magnesite                    | 11                           | 5             | 448                                 | 351            | 2,540            | 3,197            | 652              | 466              | 2,170             | 2,044            |
| Mica                         | 69                           | 32            | 448                                 | 226            | 803              | 1,721            | 238              | 186              | 607               | 516              |
| Millstones and pulpstones    | 11                           | 14            | 37                                  | 164            | 220              | 2,517            | 48               | 221              | 65                | 621              |
| Minor metals                 | 37                           | 30            | 1,371                               | 1,244          | 6,051            | 13,469           | 1,690            | 1,507            | 3,816             | 6,050            |
| Phosphate rock               | 69                           | 38            | 4,378                               | 3,201          | 49,639           | 104,146          | 3,901            | 3,304            | 10,300            | 13,044           |
| Silica                       | 29                           | 73            | 166                                 | 1,433          | 2,032            | 11,771           | 166              | 1,677            | 372               | 4,645            |
| Sulphur and pyrites          | 22                           | 10            | 2,301                               | 2,199          | 22,629           | 33,932           | 3,067            | 3,483            | 20,345            | 37,126           |
| Talc and soapstone           | 30                           | 28            | 958                                 | 550            | 7,053            | 10,530           | 835              | 615              | 2,302             | 2,688            |
| Miscellaneous minerals       | 47                           | 19            | 604                                 | 305            | 8,040            | 3,978            | 516              | 301              | 1,350             | 3,603            |
| Sand, glass                  | 32                           | —             | 1,030                               | —              | 13,215           | —                | 1,314            | —                | —                 | 5,359            |
| Sand, molding                | 128                          | —             | 1,037                               | —              | 14,792           | —                | 1,291            | —                | —                 | 4,776            |
| Sand and gravel              | 1,165                        | —             | 15,994                              | —              | 516,745          | —                | 22,780           | —                | —                 | 102,812          |

<sup>1</sup> For 1919 includes, besides those specified, statistics for 15 enterprises in the chromite industry; the value of products of this industry was less than one-tenth of 1 per cent of the total for all industries. For 1920 does not include data for the glass-sand, molding-sand, and sand and gravel industries, no data having been collected for these industries in 1919.

<sup>2</sup> Distributed among other stones.

<sup>3</sup> Emery, garnet and industrial sapphires and diamonds; grinding pebbles and tube-mill lining; grindstones, oilstones, whetstones, scythes, and rubbing stones; pumice and volcanic ash (pumicite).

<sup>4</sup> Bauxite, molybdenum, titanium, tungsten, vanadium.

<sup>5</sup> Diatomaceous earth, gneiss, quartz, quartzite, silica rock, silica sand, siliceous mica schist, tripoli.

<sup>6</sup> Borates, cyanite, graphite, lithium minerals (amblygonite, lepidolite, and spodumene), mineral pigments, tantalum, vermiculite.

Source: Bureau of the Census, Department of Commerce.

**No. 706.—PRODUCING MINES AND QUARRIES: SIZE OF ENTERPRISES ACCORDING TO NUMBER OF WAGE EARNERS, CONTINENTAL UNITED STATES, 1929**

| Industry and wage earners per enterprise | Number of enterprises | Number of mines and quarries | Wage earners     |              | Industry and wage earners per enterprise | Number of enterprises | Number of mines and quarries | Wage earners     |              |
|------------------------------------------|-----------------------|------------------------------|------------------|--------------|------------------------------------------|-----------------------|------------------------------|------------------|--------------|
|                                          |                       |                              | Average for year | Per cent     |                                          |                       |                              | Average for year | Per cent     |
| <b>All industries:</b>                   | <b>10,099</b>         | <b>11,568</b>                | <b>806,418</b>   | <b>100.0</b> | <b>Copper—Continued.</b>                 |                       |                              |                  |              |
| Not reported.....                        | 31                    | 34                           |                  |              | 6 to 20.....                             | 40                    | 41                           | 496              | 1.1          |
| 1 to 5.....                              | 2,742                 | 2,799                        | 8,194            | 1.0          | 21 to 50.....                            | 14                    | 17                           | 398              | .9           |
| 6 to 20.....                             | 3,004                 | 3,217                        | 34,079           | 4.2          | 51 to 100.....                           | 12                    | 13                           | 877              | 2.0          |
| 21 to 50.....                            | 1,611                 | 1,785                        | 53,183           | 6.6          | 101 to 250.....                          | 11                    | 13                           | 1,859            | 4.2          |
| 51 to 100.....                           | 1,055                 | 1,201                        | 76,362           | 9.5          | 251 to 500.....                          | 10                    | 15                           | 3,393            | 7.6          |
| 101 to 250.....                          | 938                   | 1,287                        | 158,023          | 19.7         | 501 to 1,000.....                        | 7                     | 9                            | 5,095            | 11.6         |
| 251 to 500.....                          | 416                   | 607                          | 145,883          | 18.1         | 1,001 to 2,500.....                      | 11                    | 13                           |                  |              |
| 501 to 1,000.....                        | 169                   | 274                          | 110,931          | 13.8         | 2,501 and over.....                      | 3                     | 24                           | 32,279           | 72.6         |
| 1,001 to 2,500.....                      | 60                    | 188                          | 87,279           | 10.8         |                                          |                       |                              |                  |              |
| 2,501 and over.....                      | 23                    | 184                          | 131,884          | 16.3         | <b>Limestone.....</b>                    | <b>1,185</b>          | <b>1,264</b>                 | <b>32,300</b>    | <b>100.0</b> |
| <b>Anthracite.....</b>                   | <b>198</b>            | <b>303</b>                   | <b>142,801</b>   | <b>100.0</b> | 1 to 5.....                              | 283                   | 286                          | 297              | 2.8          |
| 1 to 5.....                              | 31                    | 31                           | 85               | .1           | 6 to 20.....                             | 438                   | 455                          | 5,400            | 16.7         |
| 6 to 20.....                             | 20                    | 21                           | 221              | .2           | 21 to 50.....                            | 288                   | 312                          | 9,313            | 28.7         |
| 21 to 50.....                            | 21                    | 21                           | 710              | .5           | 51 to 100.....                           | 107                   | 119                          | 7,436            | 23.0         |
| 51 to 100.....                           | 17                    | 18                           | 1,113            | .8           | 101 to 250.....                          | 41                    | 58                           | 6,398            | 19.8         |
| 101 to 250.....                          | 32                    | 34                           | 5,052            | 3.5          | 251 to 500.....                          | 6                     | 6                            |                  |              |
| 251 to 500.....                          | 19                    | 19                           | 6,983            | 4.9          | 501 to 1,000.....                        | 2                     | 8                            | 2,856            | 8.9          |
| 501 to 1,000.....                        | 34                    | 36                           | 23,291           | 16.3         | <b>Iron ore.....</b>                     | <b>180</b>            | <b>208</b>                   | <b>38,518</b>    | <b>100.0</b> |
| 1,001 to 2,500.....                      | 11                    | 24                           | 17,255           | 12.1         | 1 to 5.....                              | 7                     | 7                            | 20               | .1           |
| 2,501 and over.....                      | 13                    | 99                           | 88,091           | 61.6         | 6 to 20.....                             | 13                    | 13                           | 153              | .5           |
| <b>Bituminous coal.....</b>              | <b>4,978</b>          | <b>5,820</b>                 | <b>458,732</b>   | <b>100.0</b> | 21 to 50.....                            | 29                    | 32                           | 949              | 3.3          |
| 1 to 5.....                              | 1,384                 | 1,384                        | 3,979            | .9           | 51 to 100.....                           | 45                    | 46                           | 3,452            | 12.1         |
| 6 to 20.....                             | 1,109                 | 1,123                        | 12,316           | 2.7          | 101 to 250.....                          | 59                    | 70                           | 9,663            | 33.9         |
| 21 to 50.....                            | 676                   | 720                          | 23,169           | 5.1          | 251 to 500.....                          | 16                    | 28                           | 5,262            | 18.5         |
| 51 to 100.....                           | 619                   | 692                          | 45,624           | 9.9          | 501 to 1,000.....                        | 10                    | 11                           |                  |              |
| 101 to 250.....                          | 708                   | 830                          | 114,505          | 25.0         | 1,001 to 2,500.....                      | 1                     | 3                            | 9,017            | 31.6         |
| 251 to 500.....                          | 334                   | 472                          | 116,890          | 25.4         | <b>Sand and gravel.....</b>              | <b>987</b>            | <b>1,185</b>                 | <b>15,994</b>    | <b>100.0</b> |
| 501 to 1,000.....                        | 105                   | 196                          | 67,093           | 14.6         | 1 to 5.....                              | 263                   | 292                          | 976              | 6.1          |
| 1,001 to 2,500.....                      | 34                    | 142                          | 47,404           | 10.3         | 6 to 20.....                             | 456                   | 561                          | 5,216            | 32.6         |
| 2,501 and over.....                      | 7                     | 61                           | 27,752           | 6.1          | 21 to 50.....                            | 160                   | 214                          | 4,964            | 31.0         |
| <b>Copper.....</b>                       | <b>143</b>            | <b>180</b>                   | <b>44,562</b>    | <b>100.0</b> | 51 to 100.....                           | 31                    | 49                           | 2,175            | 13.6         |
| Not reported.....                        | 2                     | 2                            |                  |              | 101 to 250.....                          | 17                    | 48                           |                  |              |
| 1 to 5.....                              | 33                    | 33                           | 104              | .2           | 251 to 500.....                          | 1                     | 1                            | 2,663            | 16.7         |

1 Exclusive of 36 enterprises operating 36 mines which employed no wage earners.

**No. 707.—PRODUCING MINES AND QUARRIES, HOURS OF LABOR, 1929**

NOTE.—This table does not include data for enterprises having products valued at less than \$20,000. To avoid disclosing data for individual establishments, the figures for certain groups are combined and printed in *italics*. An (x) shows where an omission results

| Industry                   | Wage earners (average for the year)—total | Wage earners in mines where the prevailing hours of labor per week were— |                          |               |                      |                |                      |              |
|----------------------------|-------------------------------------------|--------------------------------------------------------------------------|--------------------------|---------------|----------------------|----------------|----------------------|--------------|
|                            |                                           | Under 36                                                                 | 36 and over but under 40 | 40            | Over 40 but under 48 | 48             | Over 48 but under 63 | 63 and over  |
| <b>All industries.....</b> | <b>792,395</b>                            | <b>51,023</b>                                                            | <b>5,784</b>             | <b>28,293</b> | <b>28,506</b>        | <b>528,394</b> | <b>144,091</b>       | <b>7,824</b> |
| Coal, anthracite.....      | 142,801                                   | 912                                                                      |                          | 30            | 3,186                | 138,226        | 447                  | (x)          |
| Coal, bituminous.....      | 447,125                                   | 49,602                                                                   | 5,587                    | 26,842        | 14,589               | 320,718        | 29,427               | 360          |
| Copper.....                | 44,234                                    | (x)                                                                      |                          |               | (x)                  | 24,416         | 19,818               |              |
| Limestone.....             | 31,578                                    | 118                                                                      | (x)                      | 450           | 307                  | 4,662          | 25,062               | 999          |
| Iron ore.....              | 28,516                                    |                                                                          |                          | 484           | 974                  | 16,103         | 12,016               | (x)          |
| Sand and gravel.....       | 15,994                                    | 70                                                                       | (x)                      | 273           | 339                  | 1,273          | 11,850               | 2,189        |
| Lead.....                  | 18,831                                    | (x)                                                                      |                          |               |                      | 6,684          | 6,734                | 463          |
| Zinc.....                  | 11,861                                    |                                                                          | (x)                      |               | (x)                  | 5,897          | 6,868                | 102          |
| Granite.....               | 9,806                                     | 44                                                                       | 97                       | 595           | 4,239                | 2,826          | 2,806                |              |
| Gold, lode.....            | 5,079                                     | (x)                                                                      |                          |               |                      | 1,971          | 3,108                | (x)          |
| Gold, placer.....          | 534                                       | (x)                                                                      |                          |               |                      | 89             | 495                  |              |
| Clay.....                  | 4,139                                     | 78                                                                       | (x)                      | 98            | 281                  | 744            | 2,021                | 917          |
| Slate.....                 | 4,027                                     | 191                                                                      |                          | (x)           | 995                  | 52             | 2,959                | (x)          |
| Marble.....                | 3,308                                     | (x)                                                                      | (x)                      |               | 217                  | 94             | 2,997                | (x)          |
| Basalt.....                | 3,016                                     |                                                                          |                          | 127           | (x)                  | 408            | 2,392                | 91           |
| Silver.....                | 2,451                                     | (x)                                                                      |                          |               |                      | 60             | 2,361                | (x)          |
| Sandstone.....             | 2,068                                     | (x)                                                                      |                          | 137           | 344                  | 899            | 1,178                | (x)          |
| Stone, miscellaneous.....  | 1,569                                     |                                                                          | (x)                      |               | 74                   | 381            | 892                  | 222          |
| Other industries.....      | 20,468                                    | 123                                                                      | 1                        | 169           | 933                  | 5,001          | 13,660               | 581          |

1 Number of hours not reported.

Source of tables 706 and 707: Bureau of the Census, Department of Commerce.

## No. 708.—MINERAL PRODUCTION, BY STATES

NOTE.—Iron ore, not pig iron, is taken as the basis of valuation of iron and in the case of other metals, mine production (recoverable content of metals) is the basis

[Values in thousands of dollars]

| Division and State               | 1928               | 1929               | 1930               | 1931               | 1932               | 1933               | 1934               |
|----------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| <b>Continental United States</b> | <b>4, 706, 113</b> | <b>5, 164, 963</b> | <b>4, 249, 935</b> | <b>2, 854, 199</b> | <b>2, 285, 307</b> | <b>2, 320, 745</b> | <b>3, 032, 682</b> |
| <b>New England</b>               | <b>49, 053</b>     | <b>49, 101</b>     | <b>40, 619</b>     | <b>32, 370</b>     | <b>21, 383</b>     | <b>18, 999</b>     | <b>17, 280</b>     |
| Maine                            | 5, 923             | 6, 749             | 6, 228             | 4, 889             | 3, 174             | 2, 594             | 2, 362             |
| New Hampshire                    | 3, 816             | 3, 726             | 3, 537             | 2, 796             | 1, 362             | 1, 457             | 1, 149             |
| Vermont                          | 14, 649            | 14, 603            | 11, 537            | 8, 422             | 6, 401             | 5, 793             | 4, 853             |
| Massachusetts                    | 16, 234            | 16, 031            | 12, 723            | 11, 170            | 8, 039             | 4, 917             | 6, 185             |
| Rhode Island                     | 531                | 940                | 1, 209             | 793                | 508                | 387                | 485                |
| Connecticut                      | 7, 600             | 7, 053             | 5, 485             | 4, 300             | 1, 911             | 1, 551             | 2, 270             |
| <b>Middle Atlantic</b>           | <b>1, 060, 381</b> | <b>1, 074, 187</b> | <b>935, 361</b>    | <b>714, 283</b>    | <b>497, 983</b>    | <b>437, 387</b>    | <b>626, 569</b>    |
| New York                         | 105, 026           | 109, 361           | 99, 622            | 75, 007            | 50, 179            | 42, 940            | 54, 626            |
| New Jersey                       | 70, 866            | 71, 892            | 67, 206            | 41, 633            | 23, 073            | 22, 580            | 25, 010            |
| Pennsylvania                     | 881, 490           | 892, 914           | 778, 523           | 594, 643           | 424, 734           | 421, 847           | 546, 933           |
| <b>East North Central</b>        | <b>642, 486</b>    | <b>676, 012</b>    | <b>543, 627</b>    | <b>364, 475</b>    | <b>238, 421</b>    | <b>261, 371</b>    | <b>317, 200</b>    |
| Ohio                             | 211, 041           | 220, 051           | 186, 972           | 130, 922           | 87, 967            | 91, 140            | 118, 988           |
| Indiana                          | 98, 584            | 96, 962            | 79, 227            | 50, 832            | 34, 603            | 34, 011            | 39, 417            |
| Illinois                         | 183, 099           | 182, 791           | 148, 311           | 103, 066           | 71, 693            | 74, 837            | 89, 212            |
| Michigan                         | 123, 826           | 151, 976           | 111, 406           | 62, 786            | 34, 714            | 54, 223            | 61, 831            |
| Wisconsin                        | 20, 938            | 24, 222            | 17, 711            | 11, 843            | 7, 414             | 7, 164             | 9, 762             |
| <b>West North Central</b>        | <b>348, 019</b>    | <b>392, 950</b>    | <b>325, 710</b>    | <b>192, 733</b>    | <b>133, 564</b>    | <b>165, 587</b>    | <b>206, 243</b>    |
| Minnesota                        | 108, 275           | 136, 350           | 103, 931           | 55, 275            | 12, 273            | 42, 472            | 48, 330            |
| Iowa                             | 35, 499            | 35, 955            | 33, 858            | 21, 615            | 18, 523            | 15, 355            | 19, 326            |
| Missouri                         | 74, 081            | 75, 948            | 69, 074            | 41, 809            | 19, 245            | 30, 588            | 32, 965            |
| North Dakota                     | 3, 083             | 3, 466             | 3, 056             | 2, 271             | 2, 380             | 2, 061             | 2, 560             |
| South Dakota                     | 9, 443             | 8, 014             | 11, 078            | 11, 339            | 11, 118            | 14, 659            | 19, 173            |
| Nebraska                         | 3, 455             | 4, 845             | 4, 092             | 3, 023             | 1, 648             | 2, 047             | 2, 791             |
| Kansas                           | 113, 280           | 124, 472           | 100, 263           | 50, 804            | 58, 471            | 57, 975            | 81, 118            |
| <b>South Atlantic</b>            | <b>440, 831</b>    | <b>450, 973</b>    | <b>380, 543</b>    | <b>289, 619</b>    | <b>199, 741</b>    | <b>218, 481</b>    | <b>306, 138</b>    |
| Delaware                         | 432                | 467                | 425                | 395                | 300                | 135                | 272                |
| Maryland                         | 18, 418            | 18, 470            | 14, 900            | 11, 330            | 7, 234             | 7, 015             | 10, 128            |
| District of Columbia             | 1, 031             | 1, 095             | 1, 288             | 282                | 1, 819             | 423                | 407                |
| Virginia                         | 38, 770            | 39, 763            | 34, 603            | 26, 150            | 16, 927            | 18, 846            | 28, 309            |
| West Virginia                    | 336, 637           | 346, 565           | 290, 119           | 221, 735           | 156, 043           | 172, 727           | 241, 474           |
| North Carolina                   | 11, 480            | 10, 904            | 7, 462             | 5, 554             | 2, 466             | 3, 365             | 5, 342             |
| South Carolina                   | 4, 046             | 3, 592             | 3, 341             | 3, 031             | 661                | 1, 014             | 1, 323             |
| Georgia                          | 14, 740            | 15, 294            | 12, 831            | 10, 291            | 6, 293             | 6, 112             | 6, 366             |
| Florida                          | 15, 227            | 14, 804            | 15, 484            | 10, 851            | 7, 108             | 8, 844             | 11, 548            |
| <b>East South Central</b>        | <b>243, 628</b>    | <b>241, 344</b>    | <b>201, 427</b>    | <b>140, 224</b>    | <b>95, 567</b>     | <b>108, 378</b>    | <b>144, 516</b>    |
| Kentucky                         | 131, 970           | 132, 650           | 111, 691           | 74, 868            | 59, 076            | 65, 536            | 89, 042            |
| Tennessee                        | 39, 217            | 40, 720            | 32, 469            | 24, 461            | 14, 562            | 16, 785            | 23, 526            |
| Alabama                          | 69, 807            | 65, 402            | 55, 462            | 38, 507            | 19, 170            | 23, 201            | 29, 827            |
| Mississippi                      | 2, 634             | 2, 573             | 1, 775             | 2, 388             | 2, 719             | 2, 766             | 2, 521             |
| <b>West South Central</b>        | <b>967, 071</b>    | <b>1, 118, 555</b> | <b>947, 374</b>    | <b>664, 491</b>    | <b>651, 899</b>    | <b>605, 728</b>    | <b>848, 023</b>    |
| Arkansas                         | 45, 010            | 41, 325            | 34, 901            | 18, 692            | 15, 540            | 12, 710            | 16, 082            |
| Louisiana                        | 56, 810            | 62, 726            | 71, 929            | 61, 693            | 61, 097            | 54, 886            | 85, 211            |
| Oklahoma                         | 488, 634           | 516, 085           | 390, 171           | 181, 905           | 185, 121           | 172, 561           | 237, 209           |
| Texas                            | 378, 617           | 495, 820           | 450, 373           | 302, 201           | 390, 141           | 365, 571           | 509, 521           |
| <b>Mountain</b>                  | <b>493, 577</b>    | <b>479, 548</b>    | <b>369, 988</b>    | <b>281, 619</b>    | <b>146, 300</b>    | <b>160, 936</b>    | <b>218, 869</b>    |
| Montana                          | 74, 752            | 93, 842            | 50, 995            | 32, 300            | 10, 023            | 21, 062            | 31, 430            |
| Idaho                            | 28, 589            | 32, 143            | 22, 904            | 13, 177            | 9, 478             | 12, 429            | 16, 708            |
| Wyoming                          | 52, 951            | 51, 237            | 49, 735            | 30, 893            | 27, 848            | 22, 025            | 27, 640            |
| Colorado                         | 58, 595            | 55, 332            | 46, 271            | 32, 970            | 25, 800            | 27, 250            | 30, 710            |
| New Mexico                       | 30, 427            | 37, 128            | 31, 850            | 25, 350            | 20, 294            | 23, 355            | 30, 079            |
| Arizona                          | 116, 000           | 157, 960           | 82, 984            | 41, 603            | 15, 204            | 12, 671            | 26, 063            |
| Utah                             | 97, 381            | 115, 131           | 64, 224            | 40, 302            | 22, 020            | 24, 180            | 32, 527            |
| Nevada                           | 34, 882            | 36, 776            | 24, 075            | 14, 964            | 6, 568             | 7, 455             | 14, 703            |
| <b>Pacific</b>                   | <b>463, 068</b>    | <b>584, 313</b>    | <b>505, 296</b>    | <b>324, 385</b>    | <b>302, 489</b>    | <b>305, 928</b>    | <b>348, 414</b>    |
| Washington                       | 22, 120            | 22, 435            | 20, 076            | 14, 801            | 12, 817            | 9, 338             | 12, 947            |
| Oregon                           | 6, 687             | 6, 877             | 6, 170             | 5, 045             | 2, 989             | 3, 505             | 4, 211             |
| California                       | 434, 261           | 555, 001           | 479, 050           | 304, 538           | 286, 683           | 293, 035           | 331, 256           |
| <b>Alaska</b>                    | <b>14, 024</b>     | <b>15, 947</b>     | <b>13, 707</b>     | <b>12, 371</b>     | <b>11, 526</b>     | <b>12, 681</b>     | <b>19, 586</b>     |

Source: Bureau of Mines, Department of the Interior.

# No. 709.—MINERAL PRODUCTS OF THE UNITED STATES: QUANTITIES AND VALUES

NOTE.—Data cover continental United States and, for leading products, outlying areas. Certain of the figures represent shipments rather than quantity mined, and some of the figures for 1935 are estimates. Blank spaces indicate absence of data in most cases; method of computing total value is indicated by footnotes. Short tons are 2,000 pounds; long tons, 2,240 pounds

| Product                                                      | Quantity  |           |           |           |           |           | Value in thousands of dollars |           |           |           |          |          |
|--------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-------------------------------|-----------|-----------|-----------|----------|----------|
|                                                              | 1915      | 1920      | 1925      | 1930      | 1934      | 1935      | 1915                          | 1920      | 1925      | 1930      | 1934     | 1935     |
| <b>METALLIC</b>                                              |           |           |           |           |           |           |                               |           |           |           |          |          |
| Aluminum.....1,000 pounds.....                               |           | 138,000   | 140,000   | 229,035   | 74,177    | 119,295   | 16,280                        | 41,375    | 36,430    | 50,961    | 14,094   | 22,070   |
| Antimonial lead.....short tons.....                          | 23,224    | 12,535    | 19,667    | 13,711    | 116,607   | 116,384   | 3,666                         | 1,963     | 3,786     | 1,393     | (1)      | (1)      |
| Antimony.....do.....                                         | 2 5,364   | 2 2,785   | 2 2,624   | 2 1,685   | (3)       | (3)       | 2 3,74                        | 2 473     | 1 918     | 2 258     | (3)      | (3)      |
| Bauxite.....long tons.....                                   | 297,041   | 521,308   | 316,540   | 380,612   | 157,838   | 233,912   | 1,615                         | 3,247     | 1,988     | 1,928     | 1,129    | 1,557    |
| Cadmium.....pounds.....                                      | 91,415    | 129,283   | 602,824   | 2,777,762 | 2,777,384 | 3,477,091 | 108                           | 151       | 277       | 1,778     | (4)      | (4)      |
| Chromite.....long tons.....                                  | 3,281     | 2,502     | 108       | 80        | 369       | 515       | 37                            | 45        | 2         | 2         | 5        | 6        |
| Copper, <sup>1</sup> sales value.....1,000 pounds.....       | 1,388,010 | 1,209,061 | 1,674,870 | 1,394,389 | 488,454   | 762,587   | 242,902                       | 222,467   | 237,832   | 181,271   | 39,076   | 63,295   |
| Ferro-alloys.....long tons.....                              | 388,644   | 612,808   | 616,222   | 650,240   | 428,798   | 592,176   | 17,450                        | 77,519    | 53,048    | 51,900    | 34,635   | 48,892   |
| Gold <sup>6</sup> .....1,000 troy ounces.....                | 4,888     | 2,476     | 2,412     | 2,286     | 3,091     | 3,546     | 101,036                       | 51,187    | 49,860    | 47,248    | 108,191  | 124,116  |
| <b>Iron:</b>                                                 |           |           |           |           |           |           |                               |           |           |           |          |          |
| Ore.....1,000 long tons.....                                 | 55,493    | 69,281    | 63,925    | 55,201    | 25,793    | 33,308    | 7 101,289                     | 7 285,006 | 7 180,797 | 7 145,619 | 7 66,484 | 7 82,864 |
| Pig.....do.....                                              | 30,384    | 35,710    | 36,815    | 29,905    | 15,626    | 21,178    | 401,410                       | 1,140,904 | 739,316   | 512,165   | 261,400  | 358,145  |
| Lead (refined), <sup>1</sup> sales value.....short tons..... | 507,026   | 476,849   | 654,821   | 573,740   | 299,841   | 310,505   | 47,660                        | 76,296    | 113,956   | 57,374    | 22,188   | 24,840   |
| Manganese ore (35 percent or more Mn.).....long tons.....    | 9,613     | 94,420    | 98,324    | 67,035    | 26,514    | 26,428    | 113                           | 2,396     | 1,858     | 1,437     | 572      | 557      |
| Manganiferous ore (5 to 35 percent Mn.).....long tons.....   | 195,735   | 767,664   | 1,448,054 | 785,390   | 221,822   | 524,184   | 817                           | 2,438     | 3,752     | 2,402     | 621      | 1,323    |
| Mercury, metal.....flasks (76 pounds net).....               | 20,756    | 13,216    | 9,053     | 21,553    | 15,445    | 17,513    | 1,805                         | 1,067     | 763       | 2,479     | 1,141    | 1,261    |
| Mercury ore.....short tons.....                              | 159,000   | 109,000   | 65,900    | (5)       | (5)       | (5)       | (5)                           | (5)       | (5)       | (5)       | (5)      | (5)      |
| Nickel.....do.....                                           | 822       | 365       | 272       | 308       | 157       | 160       | 538                           | 293       | 170       | 214       | 108      | 130      |
| <b>Ores (crude), tailings, etc.:</b>                         |           |           |           |           |           |           |                               |           |           |           |          |          |
| Copper.....1,000 short tons.....                             | 43,404    | 36,765    | 53,262    | 47,382    | 11,717    | (5)       | (5)                           | (5)       | (5)       | (5)       | (5)      | (5)      |
| Copper-lead and copper-lead zinc.....do.....                 | 11        | 27        | 229       | 246       | 121       | (5)       | (5)                           | (5)       | (5)       | (5)       | (5)      | (5)      |
| Dry and siliceous (gold and silver).....do.....              | 12,687    | 8,590     | 3,995     | 7,767     | 11,853    | (5)       | (5)                           | (5)       | (5)       | (5)       | (5)      | (5)      |
| Lead.....do.....                                             | 7,497     | 7,200     | 8,560     | 8,080     | 3,360     | (5)       | (5)                           | (5)       | (5)       | (5)       | (5)      | (5)      |
| Lead-zinc.....do.....                                        | 18,176    | 12,383    | 17,741    | 10,645    | 6,394     | (5)       | (5)                           | (5)       | (5)       | (5)       | (5)      | (5)      |
| Zinc.....do.....                                             |           | 2,651     | 3,411     | 5,980     | 6,237     | (5)       | (5)                           | (5)       | (5)       | (5)       | (5)      | (5)      |
| <b>Platinum and allied metals (value at New York City):</b>  |           |           |           |           |           |           |                               |           |           |           |          |          |
| Silver.....1,000 troy ounces.....                            | 8,665     | 41,544    | 49,643    | 43,502    | 47,274    | 42,060    | 479                           | 4,698     | 5,662     | 2,049     | 1,686    | 1,414    |
| Silver.....1,000 troy ounces.....                            | 74,961    | 56,382    | 66,155    | 50,748    | 32,725    | 44,825    | 37,397                        | 60,802    | 45,912    | 12,538    | 21,156   | 33,081   |
| Tin (metallic equivalent).....short tons.....                | 102       | 22        | 14        | 17        | 9         | 45        | 79                            | 22        | 16        | 10        | 10       | 46       |
| Titanium ore (ilmenite).....do.....                          |           |           | 5,566     | (4)       | (4)       | (4)       |                               |           | 89        | (4)       | (4)      | (4)      |
| Titanium ore (rutile).....do.....                            | 250       | 277       | 46        | (4)       | (4)       | (4)       | 28                            | (4)       | 11        | (4)       | (4)      | (4)      |
| Tungsten ore (60 per cent concentrates).....do.....          | 2,332     | 216       | 1,190     | 702       | 2,049     | 2,395     | 4,100                         | 102       | 766       | 509       | 1,791    | 1,921    |
| Uranium and vanadium ores.....do.....                        |           | 35,076    | 13,070    | (4)       | (4)       | (4)       | 694                           | 2,401     | 331       | (4)       | (4)      | (4)      |
| Zinc, <sup>1</sup> sales value.....do.....                   | 468,135   | 450,045   | 555,631   | 489,361   | 355,396   | 412,184   | 113,617                       | 72,907    | 84,456    | 46,979    | 30,561   | 36,272   |
| Total metallic products (approximate).....                   |           |           |           |           |           |           | 991,730                       | 1,762,360 | 1,380,280 | 982,550   | 540,300  | 721,600  |

For footnotes see p. 699.



| Products                                           | Quantity |                   |                   |                   |                   |                   | Value in thousands of dollars |                   |                   |                   |                   |                   |
|----------------------------------------------------|----------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|                                                    | 1915     | 1920              | 1925              | 1930              | 1934              | 1935              | 1915                          | 1920              | 1925              | 1930              | 1934              | 1935              |
| <b>NONMETALLIC</b>                                 |          |                   |                   |                   |                   |                   |                               |                   |                   |                   |                   |                   |
| Arsenious oxide..... short tons..                  | 5,498    | 11,502            | 12,817            | 17,425            | 15,623            | 12,670            | 302                           | 2,021             | 1,199             | 1,008             | 797               | 497               |
| Asbestos..... do.....                              | 1,731    | 1,648             | 1,258             | 4,242             | 5,087             | 8,920             | 77                            | 678               | 52                | 289               | 158               | 293               |
| Asphalt:.....                                      |          |                   |                   |                   |                   |                   |                               |                   |                   |                   |                   |                   |
| Native..... do.....                                | 740,254  | 898,993           | 584,850           | 702,777           | 440,852           | 347,397           | 5,242                         | 13,199            | 4,148             | 4,468             | 2,366             | 2,149             |
| Oil (including road oil)..... do.....              |          |                   | 1,206,700         | 2,273,546         | 2,515,626         | 2,851,795         |                               |                   |                   |                   |                   |                   |
| Barite (crude)..... do.....                        | 108,547  | 228,113           | 228,063           | 234,382           | 209,850           | 225,111           | 381                           | 2,142             | 1,703             | 1,109             | 2,413             | 24,684            |
| Borates..... do.....                               | 67,093   | 120,321           | 113,700           | 177,300           | 242,500           | 272,967           | 1,677                         | 2,779             | 3,086             | 5,352             | 4,822             | 5,382             |
| Bromine..... do.....                               | 856      | 1,161             | 1,566             | 8,463             | 15,344            | 16,429            | 886                           | 745               | 2,110             | 3,227             | 3,483             | 3,483             |
| Calcium-magnesium chloride..... short tons..       | 20,535   | 27,849            | 67,870            | 116,186           | 76,719            | 83,546            | 131                           | 539               | 1,387             | 2,208             | 1,153             | 1,039             |
| Cement..... 1,000 bbls. (376 lbs. net).....        | 87,685   | 97,079            | 159,047           | 160,846           | 76,579            | 76,250            | 75,155                        | 195,590           | 281,076           | 281,249           | 117,882           | 114,942           |
| Clay:.....                                         |          |                   |                   |                   |                   |                   |                               |                   |                   |                   |                   |                   |
| Products.....                                      |          |                   |                   |                   |                   |                   | 160,080                       | 373,670           | 423,447           | 275,134           | 116,172           | ( <sup>9</sup> )  |
| Raw..... 1,000 short tons..                        | 2,363    | 3,116             | 4,030             | 3,963             | 2,187             | 2,796             | 3,972                         | 11,614            | 12,737            | 12,521            | 8,197             | 10,290            |
| Coal:.....                                         |          |                   |                   |                   |                   |                   |                               |                   |                   |                   |                   |                   |
| Bituminous <sup>10</sup> ..... do.....             | 442,624  | 568,667           | 520,053           | 467,526           | 359,368           | 369,324           | 502,038                       | 2,129,933         | 1,060,402         | 795,483           | 628,112           | 699,900           |
| Pennsylvania anthracite..... do.....               | 88,995   | 89,598            | 61,817            | 69,385            | 57,168            | 51,003            | 184,653                       | 434,252           | 327,665           | 354,574           | 244,152           | 207,600           |
| Coke..... do.....                                  | 41,581   | 51,345            | 51,267            | 47,972            | 31,822            | 35,141            | 105,054                       | 494,246           | 262,559           | 209,137           | 159,426           | 176,853           |
| Diatomite and tripoli..... short tons..            | 35,304   | 102,155           | 102,418           | 11,32,430         | 11,20,529         | 11,27,375         | 167                           | 1,649             | 1,357             | 11,508            | 11,329            | 11,883            |
| Emery..... do.....                                 | 3,063    | 2,327             | 769               | 555               | 189               | 176               | 31                            | 22                | 6                 | 6                 | 2                 | 2                 |
| Feldspar (crude)..... long tons..                  | 93,855   | 135,551           | 185,706           | 171,788           | 154,188           | 189,550           | 489                           | 851               | 1,316             | 1,067             | 853               | 1,005             |
| Fluorspar..... short tons..                        | 136,941  | 186,778           | 113,669           | 95,849            | 85,786            | 123,561           | 764                           | 4,719             | 2,052             | 1,747             | 1,391             | 1,868             |
| Fuller's earth..... do.....                        | 47,901   | 128,487           | 206,574           | 335,644           | 220,264           | 227,745           | 489                           | 2,506             | 2,924             | 4,327             | 2,085             | 2,230             |
| Garnet for abrasive purposes..... do.....          | 4,301    | 5,476             | 8,429             | 5,003             | 2,591             | ( <sup>1</sup> )  | 140                           | 434               | 713               | 314               | 215               | ( <sup>1</sup> )  |
| Gems and precious stones..... do.....              |          |                   |                   |                   |                   |                   | 170                           | 285               | ( <sup>12</sup> ) | ( <sup>12</sup> ) | ( <sup>12</sup> ) | ( <sup>12</sup> ) |
| Graphite:.....                                     |          |                   |                   |                   |                   |                   |                               |                   |                   |                   |                   |                   |
| Amorphous..... short tons..                        | 1,181    | 4,694             | 3,536             | 1,941             | ( <sup>1</sup> )  | ( <sup>1</sup> )  | 12                            | 50                | 40                | 21                | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
| Crystalline..... 1,000 pounds..                    | 7,074    | 9,632             | 2,257             | ( <sup>1</sup> )  | ( <sup>1</sup> )  | ( <sup>1</sup> )  | 417                           | 576               | 57                | ( <sup>1</sup> )  | ( <sup>1</sup> )  | ( <sup>1</sup> )  |
| Grindstones and pulpstones..... short tons..       | 53,484   | 37,340            | 18,700            | 12,630            | 14,587            | 14,587            | 648                           | 1,707             | 1,706             | 771               | 463               | 505               |
| Gypsum..... 1,000 short tons..                     | 2,448    | 3,129             | 5,678             | 3,471             | 1,536             | 1,938             | 6,597                         | 24,533            | 47,577            | 27,051            | 13,762            | ( <sup>1</sup> )  |
| Lime..... do.....                                  | 3,623    | 3,570             | 4,581             | 3,388             | 2,397             | 2,955             | 14,424                        | 37,644            | 42,609            | 25,616            | 17,164            | 21,438            |
| Magnesite (crude)..... short tons..                | 30,499   | 303,767           | 120,660           | 129,320           | 100,973           | 177,154           | 274                           | 2,748             | 1,433             | 1,033             | 731               | 1,192             |
| Mica:.....                                         |          |                   |                   |                   |                   |                   |                               |                   |                   |                   |                   |                   |
| Scrap..... do.....                                 | 3,959    | 5,723             | 9,695             | 6,732             | 7,719             | 18,852            | 51                            | 167               | 174               | 109               | 100               | 13,244            |
| Sheet..... 1,000 pounds..                          | 554      | 1,683             | 1,794             | 1,465             | 584               | 937               | 378                           | 547               | 322               | 177               | 90                | 161               |
| Millstones..... do.....                            |          |                   |                   |                   |                   |                   | 53                            | 63                | 22                | 18                | 10                | 10                |
| Mineral paints:.....                               |          |                   |                   |                   |                   |                   |                               |                   |                   |                   |                   |                   |
| Natural pigments..... short tons..                 | 57,442   | ( <sup>14</sup> ) | ( <sup>14</sup> ) | ( <sup>14</sup> ) | ( <sup>14</sup> ) | ( <sup>14</sup> ) | 552                           | ( <sup>14</sup> ) | ( <sup>14</sup> ) | ( <sup>14</sup> ) | ( <sup>14</sup> ) | ( <sup>14</sup> ) |
| Zinc and lead pigments <sup>15</sup> ..... do..... | 141,353  | 143,244           | 199,190           | 147,948           | 114,661           | 137,972           | 14,962                        | 24,565            | 28,311            | 18,420            | 12,617            | 13,828            |
| Mineral waters..... 1,000 gallons..                | 52,114   | 36,218            | ( <sup>12</sup> ) | ( <sup>12</sup> ) | ( <sup>12</sup> ) | ( <sup>12</sup> ) | 5,139                         | 4,861             | ( <sup>12</sup> ) | ( <sup>12</sup> ) | ( <sup>12</sup> ) | ( <sup>12</sup> ) |
| Natural gas..... 1,000,000 cu. ft..                | 628,579  | 798,210           | 1,188,571         | 1,943,421         | 1,770,721         | 1,875,000         | 101,312                       | 196,194           | 265,271           | 416,090           | 395,378           | 423,000           |
| Natural gasoline..... 1,000 gallons..              | 65,365   | 384,744           | 1,127,470         | 2,210,494         | 1,535,360         | 1,632,036         | 5,151                         | 71,788            | 120,393           | 128,180           | 50,523            | 73,400            |
| Oilstones, etc..... short tons..                   | 1,144    | 970               | 651               | 396               | 439               | 439               | 115                           | 232               | 272               | 137               | 94                | 106               |
| Peat..... do.....                                  | 42,284   | 73,204            | 72,436            | ( <sup>12</sup> ) | 40,544            | 37,060            | 289                           | 922               | 453               | ( <sup>12</sup> ) | 214               | 199               |

|                                                                           |                          |                   |                     |                       |                       |                       |                       |           |           |                     |                     |                      |                      |
|---------------------------------------------------------------------------|--------------------------|-------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|-----------|---------------------|---------------------|----------------------|----------------------|
| Petroleum-----                                                            | 1,000 barrels (42 gals.) | 281,104           | 442,929             | 763,743               | 888,011               | 908,065               | 993,942               | 179,483   | 1,360,745 | 1,284,960           | 1,070,200           | 904,825              | 994,000              |
| Phosphate rock-----                                                       | 1,000 long tons          | 1,836             | 4,104               | 3,482                 | 3,926                 | 2,835                 | 3,042                 | 5,413     | 25,080    | 11,546              | 13,997              | 10,040               | 10,936               |
| Potash (K <sub>2</sub> O)-----                                            | short tons               | 1,090             | 41,444              | 25,802                | 56,610                | 114,122               | 224,721               | 342       | 7,463     | 1,204               | 2,986               | 2,813                | 4,993                |
| Pumice-----                                                               | do                       | 27,708            | 41,898              | 40,380                | 56,843                | 56,169                | 57,116                | 63        | 114       | 179                 | 836                 | 207                  | 237                  |
| Pyrites-----                                                              | long tons                | 394,124           | 310,777             | 170,081               | <sup>15</sup> 347,512 | <sup>15</sup> 432,524 | <sup>16</sup> 506,215 | 1,676     | 1,597     | 650                 | <sup>16</sup> 1,029 | <sup>16</sup> 1,216  | <sup>16</sup> 1,670  |
| Salt-----                                                                 | 1,000 short tons         | 6,352             | 6,840               | 7,398                 | 8,054                 | 7,612                 | 7,927                 | 11,748    | 29,894    | 26,162              | 25,009              | 22,851               | 21,089               |
| Sand and gravel:                                                          |                          |                   |                     |                       |                       |                       |                       |           |           |                     |                     |                      |                      |
| Sand, glass-----                                                          | 1,000 short tons         | 1,884             | 2,166               | 2,335                 | 1,849                 | 1,924                 | 2,180                 | 1,607     | 4,749     | 3,836               | 3,211               | 3,327                | 3,706                |
| Sand (molding, building, etc.) and gravel                                 |                          |                   |                     |                       |                       |                       |                       |           |           |                     |                     |                      |                      |
| 1,000 short tons-----                                                     |                          | 74,719            | 79,875              | 169,667               | 195,203               | 114,688               | 123,510               | 21,515    | 60,913    | 103,706             | 111,966             | 57,921               | 62,532               |
| Sand-lime brick-----                                                      | thousands                | 179,643           | 169,761             | <sup>9</sup> 315,595  | <sup>9</sup> 191,193  | <sup>9</sup> 41,408   | ( <sup>9</sup> )      | 1,135     | 2,490     | <sup>9</sup> 3,781  | <sup>9</sup> 1,951  | <sup>9</sup> 356     | ( <sup>9</sup> )     |
| Silica (quartz)-----                                                      | short tons               | 112,675           | 68,190              | 25,444                | 13,158                | 18,293                | 17,178                | 274       | 320       | 205                 | 121                 | 130                  | 112                  |
| Slate-----                                                                | do                       |                   | 468,700             | 724,600               | 463,610               | 232,730               | 322,500               | 4,959     | 8,726     | 12,575              | 7,912               | 2,708                | 3,631                |
| Stone-----                                                                | 1,000 short tons         |                   | 78,527              | 115,851               | 126,996               | <sup>17</sup> 92,064  | <sup>17</sup> 78,379  | 74,695    | 133,542   | 174,217             | 178,949             | <sup>17</sup> 98,980 | <sup>17</sup> 82,490 |
| Sulphur-----                                                              | 1,000 long tons          | 294               | 1,618               | 1,858                 | 1,990                 | 1,614                 | 1,635                 | 4,959     | 30,000    | 29,000              | 35,800              | 28,900               | 29,300               |
| Sulphuric acid (60° Baumé) from copper and zinc smelters-----             | 1,000 short tons         | <sup>18</sup> 905 | <sup>18</sup> 1,230 | 1,007                 | 1,188                 | 576                   | ( <sup>4</sup> )      | 7,621     | 13,617    | 7,513               | 9,544               | 4,227                | ( <sup>4</sup> )     |
| Talc and soapstone-----                                                   | short tons               | 186,891           | 210,635             | <sup>19</sup> 182,256 | <sup>19</sup> 179,385 | <sup>20</sup> 138,505 | <sup>20</sup> 172,716 | 1,892     | 3,035     | <sup>19</sup> 2,012 | <sup>19</sup> 2,108 | <sup>20</sup> 1,449  | <sup>20</sup> 1,848  |
| Total nonmetallic products (approximate)-----                             |                          |                   |                     |                       |                       |                       |                       | 1,400,484 | 6,214,170 | 4,281,100           | 3,773,400           | 2,770,300            | 2,950,000            |
| SUMMARY OF VALUES                                                         |                          |                   |                     |                       |                       |                       |                       |           |           |                     |                     |                      |                      |
| Metallic products-----                                                    |                          |                   |                     |                       |                       |                       |                       | 991,730   | 1,762,350 | 1,380,280           | 982,550             | 540,300              | 721,800              |
| Nonmetallic products (exclusive of fuels)-----                            |                          |                   |                     |                       |                       |                       |                       | 427,887   | 1,021,260 | 1,282,420           | 1,006,900           | 537,200              | 553,000              |
| Mineral fuels-----                                                        |                          |                   |                     |                       |                       |                       |                       | 972,617   | 4,192,910 | 3,058,680           | 2,764,500           | 2,233,100            | 2,397,000            |
| "Unspecified" (metallic and nonmetallic) products (partly estimated)----- |                          |                   |                     |                       |                       |                       |                       | 2,430     | 4,820     | 6,250               | 8,850               | 14,500               | 16,400               |
| Grand total (approximate)-----                                            |                          |                   |                     |                       |                       |                       |                       | 2,394,644 | 6,981,340 | 5,677,630           | 4,764,800           | 3,325,100            | 3,688,000            |

<sup>1</sup> From both domestic and foreign ores. Data for 1934 and 1935 represent antimonial lead produced at primary refineries from both primary and secondary sources, and are not comparable with data for prior years; estimate of value of primary antimony and lead contents of antimonial lead from domestic sources included in total value of metallic products.

<sup>2</sup> Content of antimonial lead. Value excluded from metallic total as the value of the antimony is included in the antimonial lead value.

<sup>3</sup> Largely from foreign ore in 1934 and in 1935. Value not included in total value. Bureau of Mines not at liberty to publish figures.

<sup>4</sup> Value included in total value of metallic or nonmetallic products. Bureau of Mines not at liberty to publish figures or not available.

<sup>5</sup> Product from domestic ores only.

<sup>6</sup> Valued at \$20.67+ per ounce prior to 1933. In 1933 includes \$62,342,000, calculated by Bureau of the Mint at legal coinage value (\$20.67+ per ounce), plus \$12,495,000 premium calculated by Bureau of Mines at average weighted price (\$25.56 per ounce). Valued at \$35.00 per ounce in 1934 and 1935.

<sup>7</sup> Value not included in total value, since value of product derived therefrom, or of raw material used, is accounted for under other items.

<sup>8</sup> Figures not available. Value of products derived therefrom, or of raw materials used, is included elsewhere.

<sup>9</sup> Figures obtained through cooperation with Bureau of the Census. Data for 1935 not yet available; estimate included in total value of nonmetallic products.

<sup>10</sup> Includes brown coal and lignite and anthracite mined elsewhere than in Pennsylvania.

<sup>11</sup> Tripoli only. Value of diatomite is included in total value of nonmetallic products. Bureau of Mines not at liberty to publish figures.

<sup>12</sup> No canvass. Estimate of value included in total value of nonmetallic products. <sup>13</sup> Includes mica recovered by grinding mica schist; excluded in prior years.

<sup>14</sup> Canvass discontinued after 1915. Value of iron ore sold for paint included under "Unspecified." <sup>15</sup> Sublimed blue lead, sublimed white lead, leaded zinc oxide, and zinc oxide.

<sup>16</sup> Figures include pyrites concentrates from Tennessee and partly desulphurized tailings from zinc operations in Wisconsin; similar output in 1915 to 1925 was not included.

<sup>17</sup> Includes soapstone used as dimension stone. <sup>18</sup> In 1915 includes 59,189 tons and in 1920, 23,728 tons of stronger acid, not converted to 60° Baumé.

<sup>19</sup> Talc only. Value of soapstone in 1925 and 1930 is included in value of nonmetallic products. Bureau of Mines not at liberty to publish figures.

<sup>20</sup> Talc and ground soapstone.

Source: Bureau of Mines, Department of the Interior.

## No. 710.—IRON ORE: PRODUCTION, SHIPMENTS, EXPORTS, AND IMPORTS

NOTE.—In thousands of long tons (2,240 pounds). Nearly all exports are to Canada. Blank spaces indicate lack of data. Since 1905, ore containing 5 percent or more of manganese has been excluded.

| Yearly average or year | Production | Shipments | Exports | Imports | Production                       | 1932  | 1933   | 1934   | 1935 (prel.) |
|------------------------|------------|-----------|---------|---------|----------------------------------|-------|--------|--------|--------------|
| 1881-1890.....         | 10,385     | -----     | -----   | 786     | REGION                           |       |        |        |              |
| 1891-1900.....         | 17,551     | -----     | -----   | 587     | Lake Superior <sup>1</sup> ..... | 8,139 | 14,611 | 21,031 | 25,360       |
| 1901-1910.....         | 41,339     | -----     | 271     | 1,180   | Birmingham.....                  | 1,336 | 2,044  | 2,226  | 5,124        |
| 1911-1915.....         | 51,695     | 50,592    | 968     | 1,841   | All other.....                   | 371   | 808    | 1,331  |              |
| 1916-1920.....         | 69,737     | 70,224    | 1,143   | 967     | STATE                            |       |        |        |              |
| 1921-1925.....         | 52,429     | 52,617    | 677     | 1,691   | Alabama.....                     | 1,375 | 2,133  | 2,344  | 3,240        |
| 1926-1930.....         | 64,600     | 64,952    | 1,021   | 2,709   | Michigan.....                    | 2,555 | 2,434  | 5,039  | 5,214        |
| 1931-1935.....         | 22,721     | 23,514    | 389     | 1,106   | Minnesota.....                   | 5,164 | 11,940 | 15,390 | 10,359       |
| 1922.....              | 47,129     | 50,613    | 602     | 1,135   | Missouri.....                    | 30    | (?)    | 4      | -----        |
| 1923.....              | 60,351     | 60,811    | 1,117   | 2,768   | New Jersey.....                  | 31    | 73     | 130    | 72           |
| 1924.....              | 54,267     | 52,083    | 595     | 2,047   | New York.....                    | 31    | 59     | 245    | 302          |
| 1925.....              | 61,908     | 63,926    | 631     | 2,191   | Pennsylvania.....                | 103   | 264    | 525    | 078          |
| 1926.....              | 67,623     | 69,293    | 869     | 2,555   | Utah.....                        | 137   | 95     | 161    | -----        |
| 1927.....              | 61,741     | 61,232    | 899     | 2,621   | Wisconsin.....                   | 430   | 228    | 602    | -----        |
| 1928.....              | 62,167     | 63,433    | 1,282   | 2,453   | Wyoming.....                     | ----- | 280    | 117    | -----        |
| 1929.....              | 73,028     | 75,003    | 1,304   | 3,139   | All other.....                   | 1     | 28     | 22     | -----        |
| 1930.....              | 58,409     | 55,201    | 762     | 2,775   | KIND                             |       |        |        |              |
| 1931.....              | 31,132     | 28,516    | 436     | 1,466   | Hematite.....                    | 3,622 | 16,021 | 23,391 | 28,864       |
| 1932.....              | 9,847      | 5,331     | 33      | 582     | Brown ore.....                   | 62    | 235    | 286    | 267          |
| 1933.....              | 17,553     | 24,624    | 165     | 801     | Magnetite.....                   | 3,163 | 397    | 3,910  | 1,352        |
| 1934.....              | 24,538     | 25,793    | 609     | 1,428   | Carbonate.....                   | (?)   | (?)    | 1      | -----        |
| 1935 (prel.).....      | 30,484     | 33,308    | 661     | 1,402   |                                  |       |        |        |              |

<sup>1</sup> Includes only those mines in Wisconsin which are in true Lake Superior district. <sup>2</sup> Less than 500 tons.

<sup>3</sup> Some hematite included with magnetite.

## No. 711.—ANALYSIS OF PIG IRON AND FERRO-ALLOY PRODUCTION

[In thousands of long tons (2,240 pounds) unless otherwise specified]

|                                                      | 1900   | 1910   | 1915   | 1920   | 1925   | 1930   | 1932   | 1933   | 1934   | 1935   |
|------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Total pig iron and ferro-alloys.....                 | 13,789 | 27,304 | 29,918 | 36,926 | 36,701 | 31,762 | 8,781  | 13,346 | 16,139 | 21,373 |
| By States:                                           |        |        |        |        |        |        |        |        |        |        |
| New England.....                                     | 14     | 17     | 8      | 10     | -----  | -----  | -----  | -----  | -----  | -----  |
| New York, New Jersey.....                            | 463    | 2,203  | 2,105  | 2,601  | 2,138  | 2,211  | 710    | 765    | 1,194  | 1,611  |
| Pennsylvania.....                                    | 6,366  | 11,272 | 12,791 | 13,983 | 12,523 | 10,305 | 2,188  | 3,893  | 4,409  | 5,700  |
| Indiana, Michigan.....                               | 164    | 1,250  | 1,987  | 2,940  | 3,934  | 1,035  | 1,035  | 1,470  | 2,185  | 2,898  |
| Maryland and Virginia.....                           | 781    | 771    | 503    | 953    | 830    | 1,088  | 380    | 619    | -----  | -----  |
| Alabama.....                                         | 1,184  | 1,939  | 2,049  | 2,393  | 2,836  | 2,395  | 667    | 906    | -----  | -----  |
| Ohio.....                                            | 2,471  | 5,752  | 6,913  | 8,533  | 8,863  | 5,805  | 2,412  | 3,955  | -----  | -----  |
| Illinois.....                                        | 1,363  | 2,676  | 2,447  | 3,281  | 3,345  | 3,345  | 919    | 1,013  | 8,350  | 11,163 |
| Wisconsin, Minnesota.....                            | 135    | 307    | 373    | 711    | 468    | -----  | -----  | 188    | -----  | -----  |
| Iowa, Colorado, Utah.....                            | -----  | -----  | -----  | -----  | 505    | 805    | 164    | -----  | -----  | -----  |
| All other.....                                       | 798    | 1,117  | 741    | 1,520  | 762    | 865    | 306    | 528    | -----  | -----  |
| By disposition:                                      |        |        |        |        |        |        |        |        |        |        |
| For sale.....                                        | (1)    | (1)    | 8,583  | 10,724 | 8,691  | 7,083  | 1,877  | 2,338  | 3,008  | 4,022  |
| For maker's use.....                                 | (1)    | (1)    | 21,333 | 26,202 | 27,710 | 24,670 | 6,904  | 11,007 | 13,136 | 17,351 |
| By kinds:                                            |        |        |        |        |        |        |        |        |        |        |
| Basic.....                                           | 1,072  | 9,085  | 13,093 | 16,738 | 19,697 | 18,393 | 5,074  | 7,953  | 10,102 | 13,618 |
| Bessemer.....                                        | 7,979  | 11,240 | 10,523 | 12,062 | 9,419  | 7,315  | 2,220  | 3,474  | 3,421  | 4,239  |
| Foundry (incl. ferro-silicon).....                   | 3,376  | 5,290  | 4,844  | 5,958  | 5,410  | 3,960  | 936    | 1,210  | 1,565  | 1,908  |
| Malleable.....                                       | 173    | 843    | 830    | 1,311  | 1,554  | 1,572  | 420    | 495    | 827    | 1,206  |
| Forge.....                                           | 793    | 564    | 316    | 318    | 241    | 51     | 2      | 5      | 21     | 6      |
| Ferromanganese, spiegel-eisen, and all other.....    | 305    | 306    | 310    | 539    | 409    | 461    | 128    | 209    | 262    | 396    |
| By fuels:                                            |        |        |        |        |        |        |        |        |        |        |
| Coke <sup>2</sup> .....                              | 11,728 | 26,258 | 29,535 | 36,300 | 36,504 | 31,656 | 8,766  | 13,313 | 16,113 | 21,298 |
| Anthracite.....                                      | 1,677  | 649    | 85     | 303    | -----  | -----  | -----  | -----  | -----  | -----  |
| Charcoal.....                                        | 384    | 397    | 296    | 323    | 196    | 97     | 15     | 33     | 26     | 75     |
| Materials used:                                      |        |        |        |        |        |        |        |        |        |        |
| Iron ore, briquettes, etc.....                       | 24,131 | 51,739 | 55,137 | 66,450 | 65,450 | 53,662 | 12,788 | 21,572 | 26,042 | 35,183 |
| Cinder, scale, etc.....                              | 1,600  | 2,800  | 4,483  | 4,986  | 5,017  | 6,296  | 2,189  | 2,820  | 3,439  | 3,336  |
| Coke (1,000 tons of 2,000 pounds) <sup>1</sup> ..... | (1)    | (1)    | 33,329 | 42,046 | 39,296 | 31,168 | 8,337  | 12,547 | (1)    | (1)    |
| Limestone.....                                       | 7,422  | 14,528 | 14,790 | 17,825 | 15,154 | 11,099 | 2,951  | 4,565  | (1)    | (1)    |
| Total number furnaces Dec. 31.....                   | 406    | 473    | 445    | 452    | 395    | 300    | 279    | 275    | 269    | 258    |
| Furnaces in blast Dec. 31.....                       | 232    | 206    | 310    | 216    | 238    | 97     | 44     | 76     | 68     | 124    |

<sup>1</sup> Not available.

<sup>2</sup> Includes pig iron and ferro-alloys made in electric furnaces.

<sup>3</sup> Materials consumed in manufacture of pig iron only.

<sup>4</sup> Coke and bituminous coal 1900 to 1925.

Sources: Table 710, Bureau of Mines, Department of the Interior; table 711, American Iron and Steel Institute.

# **No. 712.—PRODUCTION, EXPORTS, AND IMPORTS OF PIG IRON (INCLUDING FERRO-ALLOYS) AND PRODUCTION OF STEEL INGOTS AND CASTINGS**

NOTE.—In long tons (2,240 pounds). Prior to 1901 exports and imports are for years ended June 30 following year specified; calendar years thereafter. Imports are imports for consumption beginning with 1933. All production figures are for calendar years. For individual years 1871 to 1903 and data for earlier years, see Statistical Abstract 1931, tables 750 and 751

| Yearly average or year | Pig iron and ferro-alloys |                     |         | Steel ingots and castings, production | Year | Pig iron and ferro-alloys |                     |         | Steel ingots and castings, production |
|------------------------|---------------------------|---------------------|---------|---------------------------------------|------|---------------------------|---------------------|---------|---------------------------------------|
|                        | Production                | Exports of domestic | Imports |                                       |      | Production                | Exports of domestic | Imports |                                       |
| 1871-1875.             | 2,248,293                 | 7,412               | 137,591 | 1,389,799                             | 1919 | 31,015,364                | 321,261             | 101,665 | 34,671,232                            |
| 1876-1880.             | 2,562,763                 | 3,407               | 276,600 | 803,479                               | 1920 | 36,925,987                | 216,828             | 185,944 | 42,132,934                            |
| 1881-1885.             | 4,301,096                 | 5,311               | 325,200 | 1,652,268                             | 1921 | 16,638,126                | 25,405              | 44,842  | 19,783,797                            |
| 1886-1890.             | 7,079,312                 | 12,407              | 229,970 | 3,262,763                             | 1922 | 27,219,904                | 33,332              | 408,059 | 35,602,926                            |
| 1891-1895.             | 8,133,014                 | 22,983              | 54,778  | 4,675,736                             | 1923 | 40,361,146                | 37,559              | 474,723 | 44,943,896                            |
| 1896-1900.             | 11,491,987                | 224,268             | 34,308  | 8,439,938                             | 1924 | 31,405,700                | 45,818              | 276,999 | 37,931,939                            |
| 1901-1905.             | 18,230,665                | 45,465              | 314,765 | 15,367,931                            | 1925 | 36,700,566                | 39,907              | 516,948 | 45,393,524                            |
| 1906-1910.             | 24,024,722                | 78,618              | 275,036 | 22,169,783                            | 1926 | 39,372,729                | 28,606              | 514,288 | 48,293,763                            |
| 1910                   | 27,303,567                | 127,386             | 237,233 | 26,094,919                            | 1927 | 36,556,845                | 55,899              | 176,529 | 44,935,185                            |
| 1911                   | 23,849,547                | 120,769             | 148,459 | 32,676,106                            | 1928 | 38,155,714                | 96,743              | 194,636 | 51,544,180                            |
| 1912                   | 20,726,987                | 272,676             | 129,325 | 31,261,303                            | 1929 | 42,613,983                | 53,749              | 223,680 | 56,438,478                            |
| 1913                   | 30,066,162                | 277,648             | 156,460 | 31,300,874                            | 1930 | 31,762,169                | 25,344              | 182,446 | 40,699,433                            |
| 1914                   | 23,332,244                | 114,423             | 189,683 | 23,513,080                            | 1931 | 18,426,354                | 15,429              | 103,540 | 25,945,501                            |
| 1915                   | 29,916,213                | 224,509             | 89,836  | 32,151,066                            | 1932 | 8,781,463                 | 6,933               | 145,664 | 13,681,162                            |
| 1916                   | 39,434,797                | 607,236             | 135,349 | 42,773,680                            | 1933 | 13,345,602                | 11,272              | 166,284 | 23,232,347                            |
| 1917                   | 35,621,216                | 656,220             | 76,786  | 45,060,607                            | 1934 | 16,126,573                | 13,474              | 157,387 | 26,065,239                            |
| 1918                   | 30,064,644                | 269,675             | 34,711  | 44,462,432                            | 1935 | 21,372,699                | 17,714              | 188,197 | 34,062,594                            |

<sup>1</sup> 1875 only.

<sup>2</sup> Includes only steel castings produced in foundries producing steel ingots.

# **No. 713.—PRODUCTION OF ROLLED AND MISCELLANEOUS STEEL PRODUCTS**

NOTE.—In thousands of long tons (2,240 pounds) unless otherwise specified. Blank spaces indicate figures not available. The miscellaneous products, except cast-iron pipe, are for the most part further elaborations of the rolled products listed above

|                                              | 1905   | 1910   | 1915   | 1920   | 1925   | 1930   | 1934   | 1935   |
|----------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Rolled products, total                       | 18,840 | 21,621 | 24,385 | 32,348 | 33,387 | 29,513 | 18,970 | 23,985 |
| Rails                                        | 3,372  | 3,636  | 2,204  | 2,604  | 2,785  | 1,879  | 1,010  | 712    |
| Bessemer and electric                        | 3,102  | 1,884  | 327    | 143    | 10     | 2      | 2      | 1      |
| Open hearth                                  | 183    | 1,751  | 1,775  | 2,334  | 2,692  | 1,835  | 982    | 602    |
| Rerolled                                     |        |        | 102    | 127    | 84     | 30     | 26     | 19     |
| Sheets and plates                            | 3,532  | 4,956  | 6,078  | 9,338  | 9,808  | 9,067  | 6,378  | 8,691  |
| Universal                                    |        |        | 955    | 1,260  | 1,196  | 1,041  | 535    | 430    |
| Sheared                                      |        |        | 1,923  | 3,505  | 2,557  | 2,622  | 903    | 1,016  |
| Black sheets <sup>1</sup>                    |        |        | 1,837  | 2,886  | 4,067  | 3,312  | 3,203  | 5,176  |
| Black plates for tinning                     |        |        | 1,093  | 1,449  | 1,632  | 1,692  | 1,500  | 2,060  |
| Other black-plate specialties                |        |        | 270    | 247    | 325    | 201    | 236    |        |
| Wire rods                                    | 1,809  | 2,242  | 3,096  | 3,137  | 2,845  | 2,349  | 1,724  | 2,441  |
| Structural shapes                            | 1,661  | 2,267  | 2,437  | 3,307  | 3,604  | 3,512  | 1,425  | 1,760  |
| Merchant bars                                | 3,594  | 3,786  | 4,131  | 6,130  | 6,659  | 4,132  | 2,802  | 3,099  |
| Screw                                        | 1,436  | 1,828  | 2,299  | 3,220  | 3,230  | 2,682  | 1,120  | 1,352  |
| Hoops                                        |        | 262    | 282    | 333    | 205    | 80     | 49     | 90     |
| Bands and cotton ties                        | 446    | 425    | 438    | 389    | 356    | 46     | 28     | 25     |
| Splice and tie-plate bars                    |        |        | 536    | 576    | 823    | 606    | 348    | 268    |
| Rolled forging blooms, billets, etc.         | 42     | 460    | 651    | 447    | 345    | 304    | 212    | 340    |
| Bars for reinforced concrete work            |        | 241    | 353    | 572    | 820    | 850    | 487    | 557    |
| Hot-rolled strips and flats for cold rolling |        |        |        |        |        |        |        |        |
| Blanks or pierced billets for seamless tubes | 946    | 1,510  | 1,888  | 2,294  | 2,908  | 1,942  | 2,197  | 2,648  |
| All other rolled products                    |        |        |        |        |        | 814    | 825    | 953    |
| Miscellaneous products:                      |        |        |        |        |        |        |        |        |
| Tin plate                                    |        | 648    | 983    | 1,375  | 1,544  | 1,660  | 1,503  | 1,695  |
| Terneplates                                  |        | 75     | 73     | 71     | 114    | 103    | 100    | 191    |
| Galvanized sheets                            |        |        | 708    | 835    | 1,134  | 1,045  | 772    | 1,028  |
| Galvanized formed products                   |        |        | 50     | 64     | 80     | 65     | 40     | 60     |
| Wire nails (thousands of kegs <sup>4</sup> ) | 10,855 | 12,705 | 14,583 | 16,450 | 15,464 | 9,561  | 6,197  | 8,872  |
| Cut nails (thousands of kegs <sup>4</sup> )  | 1,358  | 1,005  | 775    | 845    | 736    | 460    | 349    | 395    |
| Wrought pipe or tubes <sup>5</sup>           |        |        | 1,920  | 3,003  | 3,031  | 2,247  | 862    | 964    |
| Boiler tubes <sup>6</sup>                    |        |        | 97     | 119    | 63     | 31     | 14     | 16     |
| Seamless pipes or tubes                      |        |        | 140    | 292    | 568    | 1,194  | 733    | 877    |
| Cast-iron pipe and fittings                  |        |        | 1,085  | 792    | 1,719  | 1,282  | 581    | 615    |
| Forgings made by rolling mills               |        | 320    | 524    | 540    | 388    | 476    | 269    | 815    |

<sup>1</sup> Rolled on sheet or jobbing mills.

<sup>2</sup> Small structural forms not included.

<sup>3</sup> Merchant bars include certain miscellaneous bars which were included in "All other rolled products" prior to 1934.

<sup>4</sup> Of 100 pounds.

<sup>5</sup> Excluding electric welding.

Source of tables 712 and 713: American Iron and Steel Institute (exports and imports from Government statistics).

# No. 714.—PRODUCTION, EXPORTS, AND IMPORTS OF FINISHED ROLLED IRON AND STEEL

NOTE.—In long tons (2,240 pounds). Imports are imports for consumption beginning with 1933; general imports in earlier years. Blank spaces indicate that figures are not available

| Yearly average or year (calendar year) | Total production, finished rolled products | Rails      |         |         | Plates and sheets    |           |                     | Merchant bar production <sup>1</sup> |
|----------------------------------------|--------------------------------------------|------------|---------|---------|----------------------|-----------|---------------------|--------------------------------------|
|                                        |                                            | Production | Exports | Imports | Production           | Exports   | Imports             |                                      |
| 1876-1880                              |                                            | 911,095    | 4,441   | 59,851  |                      |           |                     |                                      |
| 1881-1885                              |                                            | 1,273,888  | 3,986   | 116,972 |                      |           |                     |                                      |
| 1886-1890                              | <sup>2</sup> 5,278,214                     | 1,710,278  | 7,275   | 49,775  | <sup>3</sup> 884,914 |           |                     |                                      |
| 1891-1895                              | 6,472,849                                  | 1,294,677  | 13,660  | 1,047   | 755,818              | 1,510     |                     |                                      |
| 1896-1900                              | 8,162,580                                  | 1,881,905  | 232,518 | 2,399   | 1,463,879            | 30,085    |                     |                                      |
| 1901-1905                              | 13,670,907                                 | 2,805,138  | 225,746 | 43,207  | 2,694,025            | 30,505    |                     | <sup>4</sup> 3,593,001               |
| 1906-1910                              | 18,509,490                                 | 3,238,486  | 303,234 | 3,963   | 4,054,102            | 158,561   |                     | 3,479,010                            |
| 1911-1915                              | 22,250,075                                 | 2,760,567  | 375,792 | 23,740  | 5,382,221            | 416,404   |                     | 3,770,316                            |
| 1914                                   | 18,370,196                                 | 1,945,095  | 174,680 | 22,571  | 4,719,245            | 280,095   | 4,310               | 2,812,102                            |
| 1915                                   | 24,392,924                                 | 2,204,203  | 391,379 | 78,525  | 6,077,094            | 410,604   | 1,420               | 4,484,650                            |
| 1916                                   | 32,380,389                                 | 2,854,518  | 540,828 | 26,299  | 7,453,980            | 515,558   | 1,730               | 6,691,702                            |
| 1917                                   | 33,067,700                                 | 2,944,151  | 512,069 | 9,203   | 8,267,016            | 851,520   | 1,748               | 6,081,141                            |
| 1918                                   | 31,155,754                                 | 2,540,892  | 453,537 | 8,705   | 8,799,135            | 854,136   | 1,517               | 6,387,589                            |
| 1919                                   | 26,101,544                                 | 2,203,843  | 652,443 | 17,008  | 7,372,814            | 1,042,097 | 1,005               | 4,810,645                            |
| 1920                                   | 32,347,865                                 | 2,647,110  | 694,028 | 45,684  | 9,357,080            | 1,273,558 | 1,702               | 6,702,689                            |
| 1921                                   | 14,774,006                                 | 2,178,818  | 321,822 | 22,048  | 4,260,574            | 607,370   | 1,076               | 1,792,982                            |
| 1922                                   | 26,452,004                                 | 2,171,770  | 277,090 | 26,020  | 7,968,397            | 430,417   | <sup>4</sup> 1,047  | 4,554,474                            |
| 1923                                   | 33,277,076                                 | 2,904,516  | 267,409 | 29,700  | 9,407,717            | 386,405   | <sup>4</sup> 4,076  | 6,233,063                            |
| 1924                                   | 28,086,435                                 | 2,433,332  | 208,496 | 43,358  | 8,087,883            | 340,540   | <sup>4</sup> 6,062  | 4,937,043                            |
| 1925                                   | 33,385,960                                 | 2,785,267  | 151,090 | 36,872  | 9,807,059            | 386,912   | <sup>4</sup> 4,480  | 6,478,902                            |
| 1926                                   | 35,495,892                                 | 3,217,649  | 187,557 | 55,212  | 10,529,056           | 517,011   | <sup>4</sup> 15,016 | 6,289,065                            |
| 1927                                   | 32,876,031                                 | 2,806,486  | 177,593 | 15,465  | 9,027,734            | 468,511   | <sup>4</sup> 19,700 | 5,685,260                            |
| 1928                                   | 37,682,916                                 | 2,647,493  | 190,925 | 14,019  | 11,006,050           | 522,057   | <sup>4</sup> 30,800 | 7,229,723                            |
| 1929                                   | 41,069,416                                 | 2,232,138  | 145,090 | 6,230   | 12,436,312           | 540,896   | <sup>4</sup> 28,461 | 7,423,490                            |
| 1930                                   | 29,515,007                                 | 1,873,233  | 95,179  | 8,307   | 9,067,360            | 340,853   | <sup>4</sup> 28,480 | 4,982,124                            |
| 1931                                   | 1,157,751                                  | 1,157,751  | 33,108  | 5,007   | 0,039,581            | 192,830   | <sup>4</sup> 16,007 | 3,083,996                            |
| 1932                                   | 10,451,088                                 | 402,660    | 11,320  | 5,662   | 3,443,308            | 79,031    | <sup>4</sup> 22,252 | 1,690,501                            |
| 1933                                   | 18,735,086                                 | 416,296    | 41,481  | 8,403   | 6,216,606            | 108,841   | <sup>4</sup> 9,503  | 2,655,049                            |
| 1934                                   | 18,969,506                                 | 1,010,224  | 69,159  | 3,073   | 0,375,815            | 202,265   | <sup>4</sup> 4,040  | 3,289,431                            |
| 1935                                   | 23,964,552                                 | 711,537    | 51,672  | 5,558   | 8,601,136            | 226,552   | <sup>4</sup> 11,733 | 4,250,417                            |

  

| Yearly average or year (calendar year) | Skelp production       | Wire rods  |                     |         | Structural shapes      |                     |                     | All other finished rolled production |
|----------------------------------------|------------------------|------------|---------------------|---------|------------------------|---------------------|---------------------|--------------------------------------|
|                                        |                        | Production | Exports             | Imports | Production             | Exports             | Imports             |                                      |
| 1891-1895                              |                        | 633,248    |                     | 34,804  | <sup>5</sup> 420,872   |                     |                     | 2,475,200                            |
| 1896-1900                              |                        | 909,819    | <sup>6</sup> 16,182 | 13,087  | 680,410                | <sup>6</sup> 48,877 |                     | 3,217,538                            |
| 1901-1905                              | <sup>7</sup> 1,435,995 | 1,590,280  | 16,345              | 18,390  | 1,203,791              | 55,051              | <sup>7</sup> 12,886 | 1,293,390                            |
| 1906-1910                              | 1,668,674              | 2,056,732  | 13,403              | 15,400  | 1,936,951              | 121,080             | 11,107              | 2,074,634                            |
| 1911-1915                              | 2,242,270              | 2,619,287  | 76,225              | 11,784  | <sup>8</sup> 2,446,391 | 265,891             | 6,352               | 3,029,034                            |
| 1914                                   | 1,982,431              | 2,431,714  | 61,856              | 6,954   | 2,031,124              | 182,395             | 10,145              | 2,448,484                            |
| 1915                                   | 2,299,464              | 3,095,007  | 165,014             | 5,317   | 2,437,003              | 232,139             | 1,494               | 3,794,003                            |
| 1916                                   | 2,927,674              | 3,518,746  | 158,284             | 4,130   | 3,020,964              | 300,594             | 1,473               | 5,003,805                            |
| 1917                                   | 2,674,231              | 3,137,138  | 181,941             | 1,060   | 3,110,000              | 294,150             | 6,216               | 6,253,413                            |
| 1918                                   | 2,564,011              | 2,562,390  | 148,523             | 7,677   | 2,849,969              | 232,720             | 3,504               | 5,251,988                            |
| 1919                                   | 2,555,778              | 2,538,476  | 118,010             | 3,442   | 2,614,036              | 390,787             | 1,154               | 3,006,952                            |
| 1920                                   | 3,220,289              | 3,136,907  | 116,775             | 5,488   | 3,306,748              | 409,933             | 1,085               | 4,039,438                            |
| 1921                                   | 1,930,575              | 1,564,330  | 18,953              | 917     | 1,272,624              | 297,022             |                     | 1,774,103                            |
| 1922                                   | 2,872,215              | 2,654,741  | 40,494              | 1,735   | 2,718,708              | 167,585             | 7,823               | 3,511,693                            |
| 1923                                   | 3,734,336              | 3,075,892  | 40,808              | 3,948   | 3,405,197              | 199,021             | 10,674              | 4,425,755                            |
| 1924                                   | 3,170,543              | 2,522,545  | 18,762              | 6,851   | 3,283,708              | 167,910             | 43,245              | 3,651,781                            |
| 1925                                   | 3,229,768              | 2,844,056  | 21,207              | 7,988   | 3,604,130              | 169,252             | 77,291              | 4,630,588                            |
| 1926                                   | 3,764,550              | 2,722,032  | 19,646              | 10,075  | 3,911,663              | 233,059             | 121,100             | 5,061,277                            |
| 1927                                   | 3,418,852              | 2,770,271  | 16,127              | 17,988  | 3,742,445              | 215,226             | 161,849             | 4,820,993                            |
| 1928                                   | 3,368,973              | 3,080,816  | 38,023              | 19,298  | 4,095,143              | 290,885             | 163,762             | 6,235,718                            |
| 1929                                   | 3,517,238              | 3,134,409  | 42,250              | 15,633  | 4,778,020              | 399,837             | 148,223             | 7,057,803                            |
| 1930                                   | 2,682,046              | 2,348,600  | 39,779              | 8,843   | 3,612,473              | 243,840             | 120,333             | 5,047,165                            |
| 1931                                   | 1,409,280              | 1,844,620  | 32,126              | 7,114   | 2,002,858              | 121,725             | 72,329              | 3,487,808                            |
| 1932                                   | 607,599                | 1,186,181  | 14,818              | 7,934   | 937,228                | 32,561              | 36,547              | 2,174,705                            |
| 1933                                   | 994,515                | 2,024,095  | 16,877              | 13,390  | 1,100,457              | 32,093              | 29,296              | 3,319,024                            |
| 1934                                   | 1,120,217              | 1,723,765  | 23,732              | 10,657  | 1,425,040              | 53,574              | 25,023              | 4,025,014                            |
| 1935                                   | 1,852,079              | 2,440,794  | 26,092              | 16,780  | 1,749,740              | 57,313              | 41,601              | 4,762,849                            |

<sup>1</sup> Includes concrete reinforcing bars.

<sup>2</sup> Average for years 1887-1890.

<sup>3</sup> 1905 only; data not available for earlier years.

<sup>4</sup> Includes skelp.

<sup>5</sup> Average for years 1892-1895.

<sup>6</sup> Average for period July 1, 1897, to Dec. 31, 1900.

<sup>7</sup> Average for period July 1, 1903, to Dec. 31, 1905.

<sup>8</sup> Small structural forms not included in 1911.

Source: American Iron and Steel Institute (exports and imports compiled from Government statistics).

# No. 715.—PRODUCTS OF STEEL WORKS AND ROLLING MILLS, AND OF THE WIRE, TIN-PLATE, AND CAST-IRON PIPE INDUSTRIES

NOTE.—The overlapping of the industries shown in this table results in considerable duplication in ton-nages shown. The products chiefly used further in manufacture are wire rods, plates, and sheets, black plates for tinning, and skelp. The figures under "Wire," "Tin and terneplate," and "Cast-iron pipe and fittings" include data for products of these departments of steel works and rolling mills and of all other industries producing these commodities. For more detailed statistics, see Census reports for these industries

| Industry and product                                                             | Quantity in thousands of unit specified |         |         |         | Value in thousands of dollars |           |           |
|----------------------------------------------------------------------------------|-----------------------------------------|---------|---------|---------|-------------------------------|-----------|-----------|
|                                                                                  | Unit                                    | 1929    | 1931    | 1933    | 1929                          | 1931      | 1933      |
| <b>STEEL WORKS AND ROLLING MILLS</b>                                             |                                         |         |         |         |                               |           |           |
| All products, total value.....                                                   |                                         |         |         |         | 3,365,789                     | 1,402,849 | 1,143,889 |
| Unrolled steel, total.....                                                       | Ton <sup>1</sup>                        | 56,161  | 25,896  | 23,163  |                               |           |           |
| Ingots.....                                                                      | do                                      | 661     | 243     | 133     | 17,150                        | 5,548     | 3,032     |
| For sale and interplant transfer.....                                            | do                                      | 54,133  | 25,193  | 22,751  |                               |           |           |
| Produced and consumed in works.....                                              | do                                      |         |         |         |                               |           |           |
| Direct steel castings.....                                                       | do                                      | 1,212   | 371     | 222     | 101,398                       | 50,557    | 32,296    |
| For sale and interplant transfer <sup>2</sup> .....                              | do                                      | 155     | 89      | 56      |                               |           |           |
| Produced and consumed in works <sup>2</sup> .....                                | do                                      |         |         |         |                               |           |           |
| Semifinished rolled products, for sale and interplant transfer, total.....       | do                                      | 12,779  | 5,633   | 5,470   | 421,323                       | 181,673   | 137,957   |
| Blooms, billets, and slabs, except for forging.....                              | do                                      | 7,361   | 3,107   | 3,025   | 244,792                       | 91,110    | 79,490    |
| Rolled blooms and billets for forging.....                                       | do                                      | 270     | 69      | 64      | 10,327                        | 2,494     | 2,008     |
| Sheet and tin-plate bars.....                                                    | do                                      | 5,062   | 2,439   | 2,369   | 162,316                       | 67,290    | 56,026    |
| Muck and scrap bar.....                                                          | do                                      | 87      | 17      | 12      | 3,893                         | 778       | 423       |
| Finished rolled products and forgings, total. <sup>3</sup> .....                 | do                                      | 39,883  | 18,896  | 18,161  |                               |           |           |
| Produced and consumed in works.....                                              | do                                      | 9,632   | 5,199   | 4,904   |                               |           |           |
| For sale and interplant transfer.....                                            | do                                      | 30,350  | 13,198  | 11,166  | 1,604,833                     | 614,899   | 495,544   |
| Rails.....                                                                       | do                                      | 2,666   | 1,130   | 393     | 113,925                       | 48,197    | 15,157    |
| Rail joints, fastenings, tie plates, etc.....                                    | do                                      | 872     | 379     | 198     | 47,761                        | 19,096    | 9,316     |
| Structural shapes (not fabricated).....                                          | do                                      | 4,470   | 1,985   | 992     | 188,898                       | 71,668    | 35,216    |
| Concrete reinforcing bars.....                                                   | do                                      | 972     | 617     | 357     | 42,417                        | 23,081    | 12,309    |
| Merchant bars, mill shafting, etc.—                                              | do                                      |         |         |         |                               |           |           |
| Steel.....                                                                       | do                                      | 6,228   | 2,231   | 2,275   | 358,601                       | 111,637   | 107,840   |
| Iron.....                                                                        | do                                      | 187     | 58      | 45      | 13,284                        | 3,696     | 3,348     |
| Bolt and nut rods, spike and chain rods, etc.....                                | do                                      | 121     | 20      | 34      | 5,683                         | 843       | 1,361     |
| Wire rods.....                                                                   | do                                      | 1,155   | 650     | 736     | 49,042                        | 23,420    | 26,179    |
| Plates No. 12 and thicker.....                                                   | do                                      | 5,218   | 1,986   | 1,406   | 228,236                       | 75,853    | 53,508    |
| Sheets No. 13 and thinner.....                                                   | do                                      | 4,041   | 2,021   | 2,688   | 306,936                       | 125,920   | 136,919   |
| Skelp.....                                                                       | do                                      | 1,271   | 619     | 468     | 50,121                        | 21,320    | 15,206    |
| Hot-rolled strips for cold rolling.....                                          | do                                      | 479     | 402     | 455     | 21,347                        | 18,052    | 18,041    |
| Other strips and cotton ties.....                                                | do                                      | 1,566   | 705     | 742     | 75,623                        | 31,785    | 29,917    |
| Axles.....                                                                       | do                                      | 150     | 27      | 55      | 12,039                        | 2,239     | 2,788     |
| Armor plate and ordnance.....                                                    | do                                      | 10      | 17      | 8       | 3,287                         | 6,184     | 2,080     |
| Car and locomotive wheels.....                                                   | do                                      | 209     | 84      | 69      | 19,352                        | 7,689     | 6,486     |
| All other rolled and forged products <sup>4</sup> .....                          | do                                      | 732     | 270     | 249     | 68,278                        | 24,219    | 10,872    |
| Scrap iron and steel, for sale and interplant transfer.....                      | do                                      | 2,830   | 1,409   | 1,031   | 42,101                        | 16,645    | 10,255    |
| Cinder and scale.....                                                            | do                                      | 1,194   | 620     | 709     | 2,731                         | 1,308     | 1,269     |
| All other (including value added to rolled products by further manufacture)..... | do                                      |         |         |         | 1,086,248                     | 543,213   | 462,636   |
| <b>WIRE AND WIRE PRODUCTS (ALL METALS)</b>                                       |                                         |         |         |         |                               |           |           |
| All industries, total value.....                                                 |                                         |         |         |         | 919,988                       | 403,406   | 298,418   |
| Iron and steel wire:                                                             |                                         |         |         |         |                               |           |           |
| Plain wire, total <sup>5</sup> .....                                             | Ton <sup>6</sup>                        | 3,097   | 1,866   | 1,962   |                               |           |           |
| For sale and interplant transfer.....                                            | do                                      | 1,204   | 603     | 607     | 88,456                        | 40,492    | 43,586    |
| Produced and consumed in works.....                                              | do                                      | 1,892   | 1,262   | 1,295   |                               |           |           |
| Galvanized wire: For sale and interplant transfer.....                           | do                                      | 269     | 172     | 168     | 19,656                        | 10,963    | 9,936     |
| Other coated wire: For sale and interplant transfer.....                         | do                                      | 52      | 43      | 34      | 8,143                         | 5,164     | 4,184     |
| Cold-rolled from drawn wire: For sale and interplant transfer.....               | do                                      | 29      | 14      | 15      | 4,256                         | 2,361     | 2,882     |
| Copper wire:                                                                     |                                         |         |         |         |                               |           |           |
| For sale and interplant transfer.....                                            | Lb                                      | 544,740 | 187,921 | 99,135  | 113,628                       | 22,884    | 10,305    |
| Produced and consumed in works.....                                              | do                                      | 407,696 | 242,390 | 159,379 |                               |           |           |
| Drawn on contract or custom basis from rods or bars furnished by others.....     | do                                      | 151,761 | 25,672  | 9,673   |                               |           |           |

For footnotes, see p. 704.

## No. 715.—PRODUCTS OF STEEL WORKS AND ROLLING MILLS, AND OF THE WIRE, TIN-PLATE, AND CAST-IRON PIPE INDUSTRIES—Continued

| Industry and product                                                  | Quantity in thousands of unit specified |           |           |                  | Value in thousands of dollars |         |         |
|-----------------------------------------------------------------------|-----------------------------------------|-----------|-----------|------------------|-------------------------------|---------|---------|
|                                                                       | Unit                                    | 1929      | 1931      | 1933             | 1929                          | 1931    | 1933    |
| <b>WIRE AND WIRE PRODUCTS (ALL METALS)—continued</b>                  |                                         |           |           |                  |                               |         |         |
| Brass and bronze wire:                                                |                                         |           |           |                  |                               |         |         |
| For sale and interplant transfer.....                                 | Lb.                                     | 86,805    | 48,031    | 55,015           | 20,332                        | 7,904   | 7,527   |
| Produced and consumed in works.....                                   | do.                                     | 5,581     | 5,066     | 4,997            |                               |         |         |
| Other metal wire:                                                     |                                         |           |           |                  |                               |         |         |
| For sale and interplant transfer.....                                 | do.                                     | 48,487    | 20,750    | 14,902           | 23,590                        | 10,214  | 6,760   |
| Produced and consumed in works.....                                   | do.                                     | 21        | 31        | 47               |                               |         |         |
| Fabricated wire products for sale:                                    |                                         |           |           |                  |                               |         |         |
| Iron and steel—                                                       |                                         |           |           |                  |                               |         |         |
| Nails, brads, and spikes.....                                         | Keg <sup>1</sup>                        | 13,001    | 8,177     | 9,101            | 44,935                        | 22,532  | 24,312  |
| Tacks.....                                                            | Lb.                                     | 6,540     | 2,620     | ( <sup>v</sup> ) | 640                           | 218     | 374     |
| Staples.....                                                          | do.                                     | 58,879    | 44,863    | ( <sup>v</sup> ) | 2,342                         | 1,385   | 1,787   |
| Barbed wire.....                                                      | Ton <sup>2</sup>                        | 222       | 162       | 182              | 13,824                        | 8,280   | 8,908   |
| Rope or cable, except insulated.....                                  | do.                                     | 153       | 57        | 40               | 46,877                        | 18,412  | 13,615  |
| Strand, galvanized.....                                               | do.                                     | 49        | 36        | 20               | 5,618                         | 3,284   | 2,068   |
| Poultry netting.....                                                  | do.                                     | 47        | 32        | 26               | 7,536                         | 4,165   | 3,725   |
| Woven wire fence, except poultry netting.....                         | do.                                     | 366       | 242       | 203              | 31,041                        | 17,897  | 13,907  |
| Fly screening.....                                                    | Lb.                                     | 64,728    | 31,719    | 46,856           | 9,942                         | 4,623   | 5,264   |
| Other wire cloth.....                                                 | do.                                     | 24,949    | 22,522    | 6,555            | 4,177                         | 2,734   |         |
| Concrete reinforcement wire.....                                      | Ton <sup>3</sup>                        |           | 140       | ( <sup>v</sup> ) | 8,177                         | 3,655   |         |
| Other woven wire.....                                                 | do.                                     | 139       | 28        | 28               | 5,522                         | 4,337   |         |
| Automobile skid chains.....                                           |                                         |           |           |                  | 11,491                        | 5,987   | 3,337   |
| Bale ties.....                                                        | Lb.                                     | 148,474   | 109,349   | 124,090          | 5,088                         | 3,593   | 3,680   |
| Wire springs.....                                                     |                                         |           |           |                  | 47,903                        | 26,686  | 24,104  |
| Welding wire.....                                                     | Lb.                                     |           | 22,795    | 23,328           | 42,872                        | 1,427   | 1,581   |
| Other fabricated iron and steel wire products.....                    |                                         |           |           |                  |                               | 25,936  | 19,524  |
| Nonferrous wire products—                                             |                                         |           |           |                  |                               |         |         |
| Fly screening—                                                        |                                         |           |           |                  |                               |         |         |
| Copper.....                                                           | Lb.                                     | 4,093     | 2,097     | 9,788            | 1,768                         | 780     | 2,388   |
| Other metals.....                                                     | do.                                     | 10,211    | 7,132     |                  | 3,336                         | 2,381   |         |
| Foundry and cylinder wire cloth.....                                  | do.                                     | 3,108     | 1,890     | 1,985            | 4,765                         | 3,082   | 3,189   |
| Other wire cloth—                                                     |                                         |           |           |                  |                               |         |         |
| Copper.....                                                           | do.                                     | 1,168     | 386       | ( <sup>v</sup> ) | 588                           | 151     | 1,227   |
| Other metals.....                                                     | do.                                     | 1,450     | 1,239     | ( <sup>v</sup> ) | 683                           | 1,084   |         |
| Copper strand, except insulated.....                                  | do.                                     | 92,395    | 59,051    | 24,771           | 18,617                        | 7,383   | 2,480   |
| Other fabricated nonferrous wire products, except insulated wire..... |                                         |           |           |                  | 6,125                         | 5,670   | 2,350   |
| Fabricated wire products not distributed above.....                   |                                         |           |           |                  |                               | 397     | 2,255   |
| Insulated wire and cable.....                                         |                                         |           |           |                  | 312,592                       | 120,197 | 61,226  |
| <b>TIN PLATE AND TERNEPLATE</b>                                       |                                         |           |           |                  |                               |         |         |
| All products, total value.....                                        |                                         |           |           |                  | 213,084                       | 142,698 | 151,601 |
| Tin plate.....                                                        | Lb.                                     | 4,031,856 | 3,108,668 | 3,764,702        | 194,107                       | 135,375 | 142,434 |
| Terneplate.....                                                       | do.                                     | 345,592   | 159,357   | 198,254          | 15,568                        | 6,809   | 6,336   |
| All other products.....                                               |                                         |           |           |                  | 3,409                         | 1,713   | 2,830   |
| <b>CAST-IRON PIPE AND FITTINGS</b>                                    |                                         |           |           |                  |                               |         |         |
| All industries, total value.....                                      |                                         |           |           |                  | 85,890                        | 51,111  | 22,693  |
| Quantity reported.....                                                | Ton <sup>4</sup>                        | 1,736     | 1,191     | 520              | 78,296                        | 45,238  | 20,065  |
| Quantity not reported.....                                            |                                         |           |           |                  | 7,594                         | 5,873   | 2,569   |

<sup>1</sup> Of 2,240 pounds.<sup>2</sup> In addition steel castings were produced for sale by establishments classified in other industries as follows: For 1929, 33,550 tons valued at \$6,635,760; 1931, 13,916 tons valued at \$2,578,080; 1933, 14,495 tons valued at \$2,508,632. Steel castings were also reported by the "Foundry and machine-shop products, not elsewhere classified" industry as made and consumed in the same works as follows: For 1929, 53,980 tons; 1931, 13,210 tons; 1933, 16,271 tons. Steel castings are produced and consumed in further manufacture to some extent in other industries, but no data for such production are collected.<sup>3</sup> Does not include tonnage of pierced billets and blanks for seamless tubes, nor tonnage, for sale, of rolled blooms and billets for forging.<sup>4</sup> Includes "nail and tack plate" not shown separately to avoid disclosing data for individual operations.<sup>5</sup> All iron and steel wire, including that subsequently galvanized, otherwise coated, and cold rolled.<sup>6</sup> Of 2,000 pounds.<sup>7</sup> Not including value of nails and tacks made from nail and tack plate.<sup>8</sup> Of 100 pounds.<sup>9</sup> No comparable data.

Source: Bureau of the Census, Department of Commerce.

**No. 716.—PRODUCTION OF STEEL INGOTS AND CASTINGS, BY GRADES**

NOTE.—In long tons (2,240 pounds). Blank spaces indicate that figures are not available

| Year                    | Total        | Bessemer    | Open hearth  |              |             | Cru-<br>cible | Electric | Miscel-<br>laneous |
|-------------------------|--------------|-------------|--------------|--------------|-------------|---------------|----------|--------------------|
|                         |              |             | Total        | Basic        | Acid        |               |          |                    |
| 1890.....               | 4, 277, 071  | 3, 688, 871 | 513, 232     |              |             | 71, 175       |          | 3, 793             |
| 1900.....               | 10, 188, 329 | 9, 684, 770 | 3, 398, 135  | 2, 545, 061  | 853, 044    | 100, 562      |          | 4, 862             |
| 1910.....               | 26, 094, 919 | 9, 412, 772 | 10, 504, 509 | 15, 292, 329 | 1, 212, 180 | 122, 303      | 52, 141  | 3, 194             |
| 1915.....               | 32, 151, 036 | 8, 287, 213 | 23, 079, 102 | 22, 308, 725 | 1, 370, 377 | 113, 782      | 66, 412  | 1, 527             |
| 1920.....               | 42, 132, 934 | 8, 883, 087 | 32, 671, 895 | 31, 375, 723 | 1, 206, 172 | 72, 265       | 502, 152 | 3, 535             |
| 1925.....               | 45, 393, 524 | 6, 723, 962 | 38, 034, 488 | 37, 087, 342 | 947, 146    | 19, 562       | 615, 512 |                    |
| 1930.....               | 40, 099, 453 | 5, 035, 459 | 35, 049, 172 | 34, 208, 316 | 780, 856    | 2, 253        | 612, 509 |                    |
| 1932.....               | 13, 681, 162 | 1, 532, 076 | 11, 907, 330 | 11, 742, 682 | 164, 648    | 645           | 241, 111 |                    |
| 1933.....               | 23, 232, 347 | 2, 428, 791 | 20, 381, 672 | 20, 057, 146 | 324, 526    | 681           | 421, 203 |                    |
| 1934 <sup>1</sup> ..... | 26, 055, 289 | 2, 162, 367 | 23, 631, 105 | 23, 256, 417 | 274, 688    | 531           | 361, 296 |                    |
| 1935 <sup>1</sup> ..... | 34, 092, 594 | 2, 836, 031 | 30, 715, 426 | 30, 361, 237 | 354, 192    | 642           | 541, 492 |                    |

<sup>1</sup> Figures include only that portion of steel for castings which was produced in foundries producing steel ingots.**No. 717.—BLAST FURNACES AND STEEL MILLS: CENSUS STATISTICS**

NOTE.—The scope of the industry "Steel works and rolling mills" is indicated by table 715

| Year                           | Number of estab-<br>lishments | Wage<br>earners<br>(average<br>number) | Wages    | Value of<br>products <sup>1</sup> | Value<br>added by<br>manufac-<br>ture <sup>2</sup> | Primary<br>horsepower |
|--------------------------------|-------------------------------|----------------------------------------|----------|-----------------------------------|----------------------------------------------------|-----------------------|
|                                |                               |                                        |          |                                   |                                                    |                       |
|                                |                               |                                        |          |                                   |                                                    |                       |
| 1889.....                      | 719                           | 171, 181                               | 80, 273  | 478, 688                          | 151, 415                                           | 784, 368              |
| 1890.....                      | 668                           | 222, 490                               | 120, 820 | 803, 968                          | 281, 569                                           | 1, 597, 816           |
| 1900.....                      | 654                           | 278, 505                               | 187, 807 | 1, 377, 152                       | 399, 013                                           | 3, 274, 285           |
| 1910.....                      | 695                           | 416, 748                               | 711, 407 | 3, 623, 369                       | 1, 321, 507                                        | 5, 399, 574           |
| 1921.....                      | 628                           | 254, 213                               | 354, 357 | 1, 901, 431                       | 635, 256                                           | (3)                   |
| 1923.....                      | 658                           | 424, 013                               | 696, 761 | 4, 161, 938                       | 1, 289, 910                                        | 5, 990, 941           |
| 1925.....                      | 595                           | 399, 914                               | 690, 297 | 3, 711, 354                       | 1, 281, 976                                        | 6, 143, 927           |
| 1927.....                      | 602                           | 380, 270                               | 645, 534 | 3, 488, 744                       | 1, 210, 534                                        | 6, 781, 058           |
| 1929.....                      | 591                           | 410, 534                               | 730, 374 | 4, 137, 214                       | 1, 622, 837                                        | 7, 532, 530           |
| 1931.....                      | 526                           | 278, 206                               | 357, 645 | 1, 714, 214                       | 623, 199                                           | (3)                   |
| 1933.....                      | 466                           | 288, 946                               | 270, 367 | 1, 367, 574                       | 481, 529                                           | (3)                   |
| Blast furnaces:                |                               |                                        |          |                                   |                                                    |                       |
| 1931 <sup>4</sup> .....        | 80                            | 13, 572                                | 19, 259  | 311, 371                          | 52, 240                                            | (3)                   |
| 1933 <sup>4</sup> .....        | 72                            | 12, 008                                | 11, 564  | 213, 685                          | 29, 729                                            | (3)                   |
| Steel works and rolling mills: |                               |                                        |          |                                   |                                                    |                       |
| 1931.....                      | 446                           | 264, 034                               | 338, 386 | 1, 402, 843                       | 570, 959                                           | (3)                   |
| 1933.....                      | 394                           | 276, 847                               | 258, 803 | 1, 143, 889                       | 451, 800                                           | (3)                   |

<sup>1</sup> Includes much duplication.<sup>2</sup> Value of products less cost of materials.<sup>3</sup> No data.<sup>4</sup> Includes data for 4 establishments in 1931 and 5 in 1933 engaged in production of sintered ore and fine dust and operated independently of blast furnaces.**No. 718.—AGGREGATE DOMESTIC EXPORTS OF HEAVY IRON AND STEEL**

NOTE.—Prior to 1922, the small items for which quantity is not available are excluded, while in later years all items are included. Ferromanganese is included for all years. The small item "steam and hot water heating boilers and radiators," formerly classified as heavy iron and steel, is excluded beginning 1922

[Quantities in thousands of long tons (2,240 pounds); values in thousands of dollars]

| Year      | Quan-<br>tity | Value   | Year      | Quan-<br>tity | Value    | Year      | Quan-<br>tity | Value    |
|-----------|---------------|---------|-----------|---------------|----------|-----------|---------------|----------|
| 1890..... | 52            |         | 1912..... | 2, 948        | 112, 535 | 1924..... | 1, 806        | 150, 494 |
| 1895..... | 89            |         | 1913..... | 2, 746        | 108, 875 | 1925..... | 1, 763        | 144, 262 |
| 1900..... | 1, 154        | 42, 518 | 1914..... | 1, 650        | 63, 469  | 1926..... | 2, 167        | 174, 145 |
| 1903..... | 327           | 14, 533 | 1915..... | 3, 633        | 140, 993 | 1927..... | 2, 183        | 160, 609 |
| 1904..... | 1, 168        | 35, 248 | 1916..... | 6, 101        | 353, 071 | 1928..... | 2, 865        | 179, 881 |
| 1905..... | 1, 010        | 33, 813 | 1917..... | 6, 439        | 557, 041 | 1929..... | 3, 038        | 209, 203 |
| 1906..... | 1, 326        | 52, 215 | 1918..... | 5, 375        | 598, 279 | 1930..... | 1, 983        | 139, 089 |
| 1907..... | 1, 302        | 60, 046 | 1919..... | 4, 400        | 410, 164 | 1931..... | 969           | 63, 226  |
| 1908..... | 994           | 43, 397 | 1920..... | 4, 935        | 458, 376 | 1932..... | 595           | 28, 857  |
| 1909..... | 1, 244        | 50, 777 | 1921..... | 2, 213        | 214, 890 | 1933..... | 1, 341        | 45, 534  |
| 1910..... | 1, 538        | 63, 436 | 1922..... | 1, 996        | 136, 324 | 1934..... | 2, 813        | 88, 691  |
| 1911..... | 2, 188        | 86, 599 | 1923..... | 2, 010        | 167, 247 | 1935..... | 3, 094        | 88, 414  |

Sources: Table 716, American Iron and Steel Institute; table 717, Bureau of the Census, Department of Commerce; table 718, Bureau of Foreign and Domestic Commerce, Department of Commerce.



## No. 719.—EXPORTS OF HEAVY IRON AND STEEL PRODUCTS

NOTE.—This and tables 718 and 720 exclude the highly elaborated manufactures of iron and steel

| Articles                                             | Quantity in long tons (2,240 pounds) |           |           |           | Value in thousands of dollars |        |        |        |
|------------------------------------------------------|--------------------------------------|-----------|-----------|-----------|-------------------------------|--------|--------|--------|
|                                                      | 1932                                 | 1933      | 1934      | 1935      | 1932                          | 1933   | 1934   | 1935   |
| Total.....                                           | 594,581                              | 1,341,183 | 2,812,847 | 3,063,659 | 28,857                        | 45,534 | 88,691 | 88,414 |
| Pig iron, not including ferro-alloys..               | 2,324                                | 2,750     | 4,006     | 4,107     | 54                            | 64     | 97     | 95     |
| Ferromanganese and spiegeleisen....                  | 33                                   | 44        | 222       | 131       | 2                             | 3      | 13     | 10     |
| Scrap.....                                           | 227,522                              | 773,408   | 1,835,170 | 2,103,959 | 1,859                         | 6,874  | 19,188 | 22,049 |
| Ingots, blooms, billets, sheet bars, and skelp.....  | 27,114                               | 26,419    | 76,953    | 104,262   | 674                           | 936    | 2,676  | 3,047  |
| Iron and steel bars.....                             | 15,987                               | 22,926    | 43,966    | 53,486    | 870                           | 1,187  | 2,210  | 2,741  |
| Alloy steel bars.....                                | 1,621                                | 1,797     | 2,911     | 2,817     | 251                           | 267    | 525    | 583    |
| Wire rods.....                                       | 14,813                               | 16,877    | 23,734    | 26,062    | 583                           | 608    | 816    | 1,013  |
| Galvanized sheets.....                               | 26,923                               | 53,856    | 68,538    | 74,907    | 1,022                         | 3,682  | 4,630  | 5,208  |
| Plates, iron and steel.....                          | 10,293                               | 13,754    | 35,762    | 44,278    | 524                           | 632    | 1,612  | 1,978  |
| Black steel sheets.....                              | 38,277                               | 37,078    | 90,999    | 100,483   | 2,844                         | 2,465  | 6,025  | 6,560  |
| Black iron sheets.....                               | 2,462                                | 2,751     | 4,325     | 5,183     | 176                           | 106    | 317    | 360    |
| Hoop, band, and strip steel.....                     | 17,778                               | 20,252    | 20,307    | 44,664    | 1,127                         | 1,228  | 1,933  | 2,785  |
| Tin plate, terneplate, etc.....                      | 39,803                               | 95,238    | 184,651   | 134,490   | 3,273                         | 7,050  | 16,873 | 13,022 |
| Structural shapes, plain material.....               | 14,886                               | 14,089    | 31,302    | 30,656    | 590                           | 535    | 1,322  | 1,494  |
| Structural materials, fabricated.....                | 17,277                               | 18,335    | 23,673    | 21,418    | 1,029                         | 1,206  | 1,704  | 1,613  |
| Tanks, complete and knocked down.....                | 3,053                                | 3,078     | 7,852     | 8,690     | 267                           | 305    | 596    | 636    |
| Metal lath.....                                      | 1,471                                | 1,007     | 1,110     | 850       | 183                           | 135    | 159    | 144    |
| Steel rails.....                                     | 11,320                               | 41,481    | 69,159    | 51,672    | 428                           | 1,227  | 2,121  | 1,455  |
| Rail fastenings, switches, frogs, etc.....           | 3,742                                | 13,536    | 16,929    | 10,288    | 299                           | 939    | 1,246  | 771    |
| Boiler tubes.....                                    | 3,681                                | 3,916     | 8,245     | 8,644     | 567                           | 483    | 1,085  | 1,154  |
| Casing and oil-line pipe.....                        | 17,275                               | 39,208    | 57,112    | 23,721    | 1,792                         | 3,431  | 5,666  | 2,402  |
| Seamless black pipe, except casing and oil line..... | 597                                  | 1,407     | 2,670     | 2,721     | 95                            | 195    | 323    | 365    |
| Black and galvanized welded pipe.....                | 30,888                               | 35,733    | 46,159    | 30,393    | 2,463                         | 2,495  | 3,652  | 2,912  |
| Riveted pipe and fittings.....                       | 161                                  | 142       | 501       | 476       | 33                            | 24     | 84     | 78     |
| Cast-iron pipe and fittings.....                     | 8,410                                | 11,614    | 17,703    | 17,509    | 591                           | 802    | 1,436  | 1,309  |
| Malleable-iron screwed pipe fittings.....            | 1,677                                | 2,500     | 2,980     | 3,466     | 485                           | 666    | 955    | 1,051  |
| Barbed-wire and woven-wire fencing.....              | 17,742                               | 29,948    | 37,449    | 34,142    | 896                           | 1,598  | 2,192  | 1,920  |
| Plain and galvanized wire.....                       | 8,391                                | 21,919    | 36,520    | 30,064    | 597                           | 1,208  | 2,214  | 2,214  |
| Woven-wire screen cloth.....                         | 636                                  | 722       | 965       | 1,040     | 109                           | 215    | 286    | 324    |
| Wire rope.....                                       | 1,575                                | 2,212     | 2,682     | 4,040     | 410                           | 508    | 716    | 956    |
| Insulated wire and cable.....                        | 84                                   | 25        | 71        | 80        | 28                            | 7      | 24     | 25     |
| Wire, other, and manufactures thereof.....           | 2,080                                | 2,848     | 4,700     | 5,941     | 527                           | 651    | 906    | 1,248  |
| Wire nails.....                                      | 7,552                                | 10,251    | 13,201    | 11,141    | 370                           | 509    | 748    | 616    |
| Nails other than wire, including tacks.....          | 3,378                                | 3,964     | 4,937     | 3,702     | 456                           | 476    | 617    | 504    |
| Horseshoes.....                                      | 100                                  | 144       | 174       | 199       | 14                            | 23     | 20     | 23     |
| Bolts, nuts, rivets, and washers.....                | 2,714                                | 3,681     | 5,147     | 6,370     | 625                           | 809    | 1,340  | 1,545  |
| Car wheels and axles.....                            | 2,854                                | 3,969     | 7,208     | 18,410    | 210                           | 239    | 449    | 1,113  |
| Iron castings.....                                   | 3,397                                | 4,205     | 6,074     | 9,163     | 374                           | 422    | 667    | 795    |
| Steel castings.....                                  | 1,173                                | 956       | 2,449     | 2,682     | 290                           | 209    | 575    | 570    |
| Forgings.....                                        | 3,689                                | 3,148     | 4,221     | 6,293     | 521                           | 424    | 574    | 778    |

1 Except track.

## No. 720.—IRON AND STEEL: EXPORTS BY DESTINATIONS

NOTE.—All figures in long tons (2,240 pounds). Products covered are those listed in table 719

| Country                               | 1933    | 1934    | 1935    | Country                   | 1933    | 1934      | 1935      |
|---------------------------------------|---------|---------|---------|---------------------------|---------|-----------|-----------|
| Belgium.....                          | 3,528   | 24,939  | 14,546  | Argentina.....            | 45,512  | 42,081    | 36,833    |
| France.....                           | 6,424   | 2,744   | 3,677   | Brazil.....               | 53,688  | 55,102    | 46,347    |
| Germany.....                          | 15,460  | 11,964  | 4,578   | Chile.....                | 10,384  | 24,880    | 27,902    |
| Italy.....                            | 118,731 | 231,059 | 388,837 | Colombia.....             | 24,420  | 36,766    | 27,489    |
| Netherlands.....                      | 10,544  | 14,200  | 14,512  | Peru.....                 | 3,941   | 15,132    | 13,613    |
| Norway.....                           | 4,194   | 6,577   | 10,039  | Uruguay.....              | 4,949   | 9,371     | 7,762     |
| Poland and Danzig.....                | 30,022  | 123,800 | 35,727  | Venezuela.....            | 18,636  | 41,575    | 20,801    |
| Rumania.....                          | 1,297   | 14,798  | 37,711  | India and Ceylon.....     | 5,822   | 10,060    | 4,871     |
| U. S. S. R. (Russia) in Europe.....   | 2,408   | 14,961  | 34,868  | British Malaya.....       | 2,377   | 4,710     | 2,466     |
| United Kingdom.....                   | 9,148   | 141,877 | 286,461 | China.....                | 36,885  | 82,401    | 75,048    |
| Canada.....                           | 139,507 | 254,565 | 338,803 | Netherland India.....     | 9,968   | 12,375    | 6,867     |
| Central America.....                  | 24,625  | 34,811  | 40,883  | Hong Kong.....            | 7,991   | 9,872     | 14,437    |
| Mexico.....                           | 31,498  | 101,689 | 104,611 | Japan.....                | 593,207 | 1,249,248 | 1,201,361 |
| British West Indies and Bermudes..... | 2,039   | 5,061   | 3,889   | Kwantung.....             | 4,461   | 9,845     | 10,481    |
| Cuba.....                             | 16,621  | 31,597  | 45,108  | Palestine and Syria.....  | 3,635   | 4,361     | 1,629     |
| Dominican Republic.....               | 4,198   | 5,011   | 5,488   | Philippine Islands.....   | 58,353  | 60,029    | 68,190    |
| Netherland West Indies.....           | 5,188   | 8,403   | 8,180   | Australia.....            | 1,431   | 6,738     | 12,658    |
|                                       |         |         |         | British South Africa..... | 10,232  | 15,833    | 23,300    |
|                                       |         |         |         | All other.....            | 21,050  | 64,382    | 83,026    |

Source of tables 719 and 720: Bureau of Foreign and Domestic Commerce, Department of Commerce.

## No. 721.—IRON AND STEEL: AVERAGE ANNUAL PRICES

[Prices of pig iron, rails, and billets, and wire rods in dollars per long ton (2,240 pounds); other prices in dollars per 100 pounds]

| Year           | Pig iron                      |                                             |                                               | Bes-semer<br>rails at<br>mills in Penn-<br>sylvania <sup>1</sup> | Bes-<br>semer<br>steel<br>billets,<br>Pitts-<br>burgh | Wire<br>rods,<br>Pitts-<br>burgh | Soft-<br>steel<br>bars,<br>Pitts-<br>burgh | Iron<br>bars<br>(best<br>refined),<br>Pitts-<br>burgh <sup>2</sup> | Tank<br>plates,<br>Pitts-<br>burgh | Beams,<br>Pitts-<br>burgh | Com-<br>posite<br>finished<br>steel <sup>3</sup> |
|----------------|-------------------------------|---------------------------------------------|-----------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------|----------------------------------|--------------------------------------------|--------------------------------------------------------------------|------------------------------------|---------------------------|--------------------------------------------------|
|                | Basic,<br>The<br>Val-<br>leys | South-<br>ern,<br>No. 2,<br>Cincin-<br>nati | Local,<br>No. 2,<br>Chi-<br>cago <sup>1</sup> |                                                                  |                                                       |                                  |                                            |                                                                    |                                    |                           |                                                  |
| 1891-1895..... |                               | 11.74                                       | 12.80                                         | 27.27                                                            | 20.89                                                 |                                  |                                            | 1.46                                                               |                                    |                           |                                                  |
| 1896-1900..... |                               | 12.56                                       | 14.30                                         | 24.96                                                            | 21.08                                                 |                                  | <sup>4</sup> 1.46                          | 1.50                                                               | 1.61                               | <sup>5</sup> 1.63         |                                                  |
| 1901-1905..... |                               | 15.80                                       | 17.50                                         | 27.87                                                            | 25.78                                                 |                                  | 1.47                                       | 1.77                                                               | 1.60                               | 1.63                      |                                                  |
| 1906.....      | 18.10                         | 18.37                                       | 20.43                                         | 28.00                                                            | 27.46                                                 |                                  | 1.51                                       | 1.93                                                               | 1.61                               | 1.70                      | 1.77                                             |
| 1907.....      | 20.87                         | 23.10                                       | 24.50                                         | 28.00                                                            | 29.26                                                 |                                  | 1.60                                       | 1.94                                                               | 1.70                               | 1.70                      | 1.92                                             |
| 1908.....      | 15.16                         | 15.54                                       | 17.57                                         | 28.00                                                            | 26.31                                                 |                                  | 1.49                                       | 1.60                                                               | 1.64                               | 1.64                      | 1.86                                             |
| 1909.....      | 15.48                         | 16.12                                       | 17.49                                         | 28.00                                                            | 24.62                                                 |                                  | 1.33                                       | 1.62                                                               | 1.42                               | 1.42                      | 1.63                                             |
| 1910.....      | 14.76                         | 15.16                                       | 17.09                                         | 28.00                                                            | 25.38                                                 |                                  | 1.44                                       | 1.65                                                               | 1.47                               | 1.45                      | 1.66                                             |
| 1911.....      | 13.07                         | 13.67                                       | 14.83                                         | 28.00                                                            | 21.46                                                 |                                  | 1.26                                       | 1.41                                                               | 1.81                               | 1.32                      | 1.54                                             |
| 1912.....      | 13.92                         | 14.93                                       | 15.32                                         | 28.00                                                            | 22.38                                                 |                                  | 1.29                                       | 1.44                                                               | 1.33                               | 1.32                      | 1.53                                             |
| 1913.....      | 14.71                         | 14.90                                       | 15.85                                         | 28.00                                                            | 25.79                                                 |                                  | 1.55                                       | 1.69                                                               | 1.50                               | 1.50                      | 1.66                                             |
| 1914.....      | 12.87                         | 13.41                                       | 13.60                                         | 28.00                                                            | 20.09                                                 |                                  | 1.15                                       | 1.32                                                               | 1.14                               | 1.15                      | 1.43                                             |
| 1915.....      | 13.74                         | 13.57                                       | 14.01                                         | 28.00                                                            | 22.44                                                 |                                  | 1.31                                       | 1.48                                                               | 1.31                               | 1.30                      | 1.53                                             |
| 1916.....      | 19.76                         | 18.67                                       | 20.26                                         | 32.00                                                            | 48.95                                                 |                                  | 2.67                                       | 2.13                                                               | 3.53                               | 2.55                      | 2.67                                             |
| 1917.....      | 38.90                         | 38.96                                       | 41.31                                         | 38.00                                                            | 70.98                                                 |                                  | 3.64                                       | 3.83                                                               | 5.88                               | 3.67                      | 4.19                                             |
| 1918.....      | 32.60                         | 36.56                                       | 33.26                                         | 55.00                                                            | 47.38                                                 |                                  | 2.89                                       | 4.81                                                               | 3.24                               | 2.99                      | 3.54                                             |
| 1919.....      | 27.67                         | 32.17                                       | 29.11                                         | 47.29                                                            | 40.54                                                 | 53.98                            | 2.49                                       | 4.10                                                               | 2.72                               | 2.53                      | 3.12                                             |
| 1920.....      | 42.26                         | 44.62                                       | 42.52                                         | 62.42                                                            | 56.14                                                 | 69.56                            | 3.22                                       | 4.76                                                               | 3.28                               | 2.95                      | 3.84                                             |
| 1921.....      | 21.73                         | 26.68                                       | 22.93                                         | 44.06                                                            | 34.46                                                 | 45.94                            | 1.87                                       | 4.47                                                               | 1.93                               | 1.93                      | 2.54                                             |
| 1922.....      | 24.20                         | 23.95                                       | 24.85                                         | 40.75                                                            | 33.95                                                 | 40.49                            | 1.72                                       | 3.35                                                               | 1.72                               | 1.71                      | 2.24                                             |
| 1923.....      | 25.80                         | 27.85                                       | 28.16                                         | 43.00                                                            | 41.70                                                 | 50.39                            | 2.36                                       | 3.50                                                               | 2.43                               | 2.43                      | 2.78                                             |
| 1924.....      | 20.24                         | 23.92                                       | 22.11                                         | 43.00                                                            | 37.99                                                 | 48.31                            | 2.20                                       | 4.00                                                               | 2.12                               | 2.19                      | 2.60                                             |
| 1925.....      | 19.58                         | 23.85                                       | 22.09                                         | 43.00                                                            | 35.45                                                 | 46.05                            | 2.02                                       | 4.52                                                               | 1.92                               | 1.99                      | 2.44                                             |
| 1926.....      | 18.55                         | 24.71                                       | 21.64                                         | 43.00                                                            | 35.00                                                 | 45.00                            | 2.00                                       | 4.62                                                               | 1.88                               | 1.95                      | 2.41                                             |
| 1927.....      | 17.69                         | 21.16                                       | 19.68                                         | 43.00                                                            | 33.27                                                 | 42.44                            | 1.83                                       | 4.68                                                               | 1.82                               | 1.83                      | 2.29                                             |
| 1928.....      | 16.67                         | 19.70                                       | 18.54                                         | 43.00                                                            | 32.67                                                 | 42.55                            | 1.87                                       | 4.64                                                               | 1.87                               | 1.87                      | 2.25                                             |
| 1929.....      | 18.19                         | 18.49                                       | 20.00                                         | 43.00                                                            | 34.66                                                 | 41.50                            | 1.92                                       | 4.13                                                               | 1.93                               | <sup>6</sup> 1.62         | 2.30                                             |
| 1930.....      | 17.97                         | 16.19                                       | 18.47                                         | 43.00                                                            | 31.84                                                 | 36.91                            | 1.71                                       | 4.11                                                               | 1.69                               | <sup>6</sup> 1.69         | 2.11                                             |
| 1931.....      | 15.85                         | 14.52                                       | 17.35                                         | 43.00                                                            | 29.36                                                 | 35.03                            | 1.62                                       | 3.69                                                               | 1.62                               | <sup>6</sup> 1.62         | 2.02                                             |
| 1932.....      | 13.99                         | 13.84                                       | 15.87                                         | 42.44                                                            | 26.62                                                 | 37.00                            | 1.58                                       | 3.35                                                               | 1.58                               | <sup>6</sup> 1.58         | 1.96                                             |
| 1933.....      | 15.24                         | 16.31                                       | 16.47                                         | 39.36                                                            | 26.00                                                 | 35.15                            | 1.64                                       | 3.35                                                               | 1.61                               | <sup>6</sup> 1.61         | 1.94                                             |
| 1934.....      | 17.69                         | 18.80                                       | 18.19                                         | 36.88                                                            | 27.10                                                 | 37.37                            | 1.81                                       | 3.50                                                               | 1.78                               | <sup>6</sup> 1.78         | 2.10                                             |
| 1935.....      | 18.17                         | 19.34                                       | 19.50                                         | 36.38                                                            | 27.25                                                 | 38.21                            | 1.81                                       | 3.50                                                               | 1.80                               | <sup>6</sup> 1.80         | 2.13                                             |

<sup>1</sup> At furnace after 1907.<sup>2</sup> Bessemer or open-hearth rails from Oct. 22, 1921.<sup>3</sup> Muck iron prior to 1892.<sup>4</sup> Includes hot-rolled strip beginning 1920.<sup>5</sup> Average for years 1898-1900.<sup>6</sup> Structural shapes from Mar. 19, 1925.

## No. 722.—ALUMINUM AND BAUXITE: PRODUCTION, EXPORTS, AND IMPORTS

|                                                       | 1913             | 1920    | 1925    | 1930    | 1933    | 1934    | 1935    |
|-------------------------------------------------------|------------------|---------|---------|---------|---------|---------|---------|
| BAUXITE                                               |                  |         |         |         |         |         |         |
| Quantities, long tons (2,240 pounds):                 |                  |         |         |         |         |         |         |
| Production.....                                       | 210,241          | 521,308 | 316,540 | 330,612 | 154,176 | 157,838 | 263,912 |
| Georgia, Alabama, and Tennessee.....                  | 40,370           | 40,029  | 20,220  | 15,339  | 11,997  | 12,074  | 14,121  |
| Arkansas.....                                         | 169,871          | 481,279 | 296,320 | 315,273 | 142,179 | 145,764 | 219,791 |
| Imports for consumption.....                          | 21,456           | 42,895  | 353,696 | 409,678 | 149,548 | 166,653 | 199,959 |
| Exports.....                                          | ( <sup>1</sup> ) | 22,267  | 78,633  | 104,504 | 21,700  | 51,415  | 82,491  |
| Value of production <sup>2</sup> (1,000 dollars)..... | 998              | 3,247   | 1,988   | 1,928   | 923     | 1,129   | 1,557   |
| ALUMINUM                                              |                  |         |         |         |         |         |         |
| Value, 1,000 dollars:                                 |                  |         |         |         |         |         |         |
| Production—                                           |                  |         |         |         |         |         |         |
| Primary metal.....                                    | 9,450            | 41,375  | 36,430  | 50,961  | 16,174  | 14,094  | 22,070  |
| Secondary metal.....                                  | 2,199            | 9,489   | 24,816  | 17,177  | 15,343  | 17,632  | 19,018  |
| Imports for consumption, total.....                   | 4,784            | 13,077  | 10,107  | 5,286   | 3,212   | 4,038   | 4,279   |
| Crude and semicrude.....                              | 4,388            | 12,184  | 9,306   | 4,690   | 2,746   | 3,625   | 3,694   |
| Manufactures.....                                     | 396              | 893     | 301     | 596     | 466     | 414     | 585     |
| Exports, total.....                                   | 966              | 5,631   | 6,057   | 7,122   | 1,329   | 2,379   | 2,067   |
| Crude and semicrude.....                              |                  | 3,068   | 3,366   | 3,916   | 600     | 1,249   | 694     |
| Manufactures.....                                     |                  | 2,563   | 2,691   | 3,206   | 729     | 1,130   | 1,373   |
| Quantities, 1,000 pounds:                             |                  |         |         |         |         |         |         |
| Imports (crude and semicrude).....                    | 25,065           | 39,299  | 41,997  | 25,461  | 15,247  | 18,692  | 21,291  |
| Exports (crude and semicrude).....                    | ( <sup>1</sup> ) | 9,498   | 12,642  | 17,330  | 5,708   | 8,366   | 3,970   |

<sup>1</sup> Unavailable.<sup>2</sup> F. o. b. mines.

Sources: Table 721, Iron Age and American Iron and Steel Institute; table 722, Bureau of Mines, Department of the Interior.

## No. 723.—COPPER: PRODUCTION, EXPORTS, IMPORTS, AND CONSUMPTION

NOTE.—All quantities except ore produced in millions and tenths of millions of pounds. Production figures include continental United States and Alaska. Owing to the varying stages of production, the stocks in different classes of hands, the redistribution of copper previously purchased, the recovery and use of old copper, etc., calculations of consumption are somewhat uncertain. The American Bureau of Metal Statistics presents consumption estimates rather widely different from those given below. Consumption as shown represents the quantity of copper withdrawn on domestic account, but not actual domestic consumption, as no account is taken of consumers' stocks

| Item                                                 | 1910    | 1920    | 1925    | 1930    | 1932    | 1933    | 1934    | 1935    |
|------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>UNREFINED COPPER</b>                              |         |         |         |         |         |         |         |         |
| Ore produced (million short tons) <sup>1</sup> ..... | 28.5    | 36.8    | 53.1    | 47.4    | 12.3    | 8.4     | 11.7    | (2)     |
| Average copper yield, percent.....                   | 1.88    | 1.63    | 1.54    | 1.43    | 1.83    | 2.11    | 1.92    | (2)     |
| Smelter output from domestic ore.....                | 1,080.2 | 1,209.1 | 1,674.9 | 1,394.4 | 544.0   | 450.0   | 488.5   | 762.0   |
| Mine production.....                                 | 1,088.2 | 1,224.6 | 1,678.1 | 1,410.1 | 476.2   | 381.3   | 474.8   | 764.6   |
| Imports, unrefined:                                  |         |         |         |         |         |         |         |         |
| Ore (copper content).....                            | 64.2    | 52.0    | 107.6   | 101.3   | 14.0    | 12.5    | 12.6    | 15.3    |
| Concentrates (copper content).....                   | 21.0    | 46.8    | 54.0    | 56.9    | 44.2    | 37.8    | 46.5    | 60.4    |
| Matte and regulus (copper content).....              | 259.2   | 17.0    | 1.7     | 4.7     | 1.7     | 2.4     | 3.7     | 5.5     |
| Unrefined, in bars, pigs, etc.....                   |         | 244.7   | 379.3   | 560.5   | 101.7   | 223.6   | 308.5   | 395.9   |
| <b>REFINED COPPER PRODUCTION</b>                     |         |         |         |         |         |         |         |         |
| Total new and old copper.....                        | 1,611.0 | 2,151.0 | 3,045.0 | 3,091.0 | 1,177.0 | 1,418.0 | 1,046.0 | 2,075.0 |
| New copper (primary).....                            | 1,422.0 | 1,526.2 | 2,204.6 | 2,157.1 | 680.0   | 741.6   | 890.7   | 1,177.6 |
| Domestic.....                                        | 1,071.9 | 1,182.4 | 1,682.9 | 1,391.2 | 445.1   | 481.3   | 466.1   | 676.6   |
| Foreign.....                                         | 350.1   | 343.7   | 521.7   | 765.8   | 235.8   | 260.2   | 424.7   | 501.0   |
| Electrolytic.....                                    | 1,128.3 | 1,351.7 | 2,050.6 | 1,993.6 | 608.7   | 681.4   | 838.5   | 1,103.7 |
| Lake.....                                            | 221.5   | 153.5   | 138.0   | 143.0   | 63.8    | 59.5    | 51.7    | 73.6    |
| Casting and best select <sup>2</sup> .....           | 72.3    | 21.0    | 15.9    | 20.5    | 18.3    | .7      | .5      | .3      |
| Secondary copper (from new and old scrap).....       | 189.0   | 624.9   | 840.4   | 934.4   | 496.4   | 670.2   | 754.8   | 897.8   |
| <b>REFINED COPPER CONSUMPTION</b>                    |         |         |         |         |         |         |         |         |
| New copper produced (refinery).....                  | 1,422.0 | 1,526.2 | 2,204.6 | 2,157.1 | 680.0   | 741.6   | 890.7   | 1,177.6 |
| Refined copper imported.....                         | (3)     | 108.7   | 99.8    | 86.2    | 187.8   | 10.9    | 54.8    | 36.1    |
| Refined copper exported <sup>4</sup> .....           | 706.3   | 553.1   | 1,022.3 | 669.3   | 250.1   | 294.7   | 544.3   | 550.0   |
| Stocks, Dec. 31 (refined).....                       | 122.8   | 659.0   | 124.0   | 615.0   | 1,004.0 | 813.0   | 509.0   | 350.0   |
| Withdrawn on domestic account:                       |         |         |         |         |         |         |         |         |
| New refined copper.....                              | 732.4   | 1,053.8 | 1,401.0 | 1,265.0 | 510.2   | 678.7   | 645.3   | 882.7   |
| New and old copper.....                              | 921.0   | 1,679.0 | 2,241.0 | 2,109.0 | 1,016.0 | 1,355.0 | 1,364.0 | 1,781.0 |

<sup>1</sup> 2,000 pounds.

<sup>2</sup> Not available.

<sup>3</sup> Imports of refined copper in ingots, bars, or other forms included in imports of unrefined.

<sup>4</sup> Some copper from Michigan was electrolytically refined and is included with electrolytic.

<sup>5</sup> Includes pig in 1920.

<sup>6</sup> Includes small exports of unrefined black blister and converter copper (bars, pigs, etc.) prior to 1925.

## No. 724.—COPPER: SMELTER PRODUCTION BY STATE OF ORIGIN OF ORE SMELTED

[Quantities in thousands of pounds]

| State of origin    | 1910             | 1920             | 1925             | 1930             | 1932           | 1933           | 1934           | 1935           |
|--------------------|------------------|------------------|------------------|------------------|----------------|----------------|----------------|----------------|
| <b>Total.....</b>  | <b>1,080,160</b> | <b>1,209,081</b> | <b>1,674,870</b> | <b>1,394,389</b> | <b>544,010</b> | <b>449,999</b> | <b>488,454</b> | <b>732,587</b> |
| Alaska.....        | 4,311            | 60,094           | 72,204           | 36,380           | 13,297         | 1,750          | 130            | 14,602         |
| Arizona.....       | 297,251          | 552,089          | 722,653          | 570,897          | 201,136        | 122,697        | 108,408        | 278,519        |
| California.....    | 46,760           | 11,822           | 46,944           | 26,262           | 5,514          | 632            | 233            | 1,630          |
| Colorado.....      | 9,307            | 4,283            | 3,163            | 12,944           | 8,076          | 8,882          | 13,047         | 14,341         |
| Idaho.....         | 6,878            | 1,922            | 3,144            | 2,714            | 663            | 2,183          | 1,718          | 2,126          |
| Michigan.....      | 221,463          | 153,484          | 138,030          | 142,986          | 63,899         | 72,341         | 51,082         | 73,812         |
| Missouri.....      |                  | 533              | 12               | 2                |                | 182            | 46             | 85             |
| Montana.....       | 289,079          | 177,744          | 270,605          | 198,796          | 97,018         | 94,263         | 67,005         | 167,760        |
| Nevada.....        | 94,495           | 55,580           | 77,138           | 87,475           | 32,610         | 42,507         | 41,923         | 72,819         |
| New Mexico.....    | 5,785            | 52,160           | 76,467           | 74,188           | 32,915         | 24,948         | 20,994         | 4,560          |
| Oregon.....        | 22               | 2,520            | 126              | 230              | 37             | 9              | 41             | 372            |
| Pennsylvania.....  | 741              | 618              | 562              | 3,061            | (1)            | (1)            | (1)            | (1)            |
| Tennessee.....     | 16,692           | 16,728           | 19,780           | (1)              | (1)            | (1)            | (1)            | (1)            |
| Utah.....          | 125,185          | 110,558          | 242,731          | 205,770          | 76,403         | 95,656         | 96,223         | 120,973        |
| Washington.....    | 65               | 2,126            | 1,185            | 1,405            | 3              | 87             | 33             | 81             |
| Undistributed..... | 1,127            | 92               | 117              | 31,280           | 10,633         | 14,035         | 20,960         | 20,909         |

<sup>1</sup> Included under "Undistributed."

Source of tables 723 and 724: Bureau of Mines, Department of the Interior.

## No. 725.—COPPER: SMELTER AND REFINERY OUTPUT

NOTE.—Smelter output as here given represents the production of unrefined copper from domestic (including Alaskan) ores. Some copper ore is imported and smelted in this country, but this appears only in the figures of refined copper from imported material in table 723

[Quantities in millions of pounds; values in thousands of dollars]

| Period         | Smelter output from domestic ore |         | Year      | Smelter output from domestic ore |         | Refinery output (quantity) |          |                      |                  |
|----------------|----------------------------------|---------|-----------|----------------------------------|---------|----------------------------|----------|----------------------|------------------|
|                | Quantity                         | Value   |           | Quantity                         | Value   | New copper                 |          |                      | Secondary copper |
|                |                                  |         |           |                                  |         | Total <sup>1</sup>         | Domestic | Foreign <sup>1</sup> |                  |
| 1850.....      | 11½                              | 320     | 1813..... | 1,224                            | 189,795 | 1,615                      | 1,237    | 378                  | 276              |
| 1860.....      | 16                               | 3,700   | 1814..... | 1,150                            | 162,968 | 1,534                      | 1,150    | 384                  | 252              |
| 1870.....      | 28                               | 5,997   | 1815..... | 1,388                            | 242,962 | 1,034                      | 1,388    | 247                  | 395              |
| 1871-1875..... | 34                               | 8,895   | 1816..... | 1,988                            | 474,288 | 2,269                      | 1,928    | 331                  | 700              |
| 1876-1880..... | 50                               | 9,679   | 1817..... | 1,886                            | 514,911 | 2,428                      | 1,886    | 542                  | 767              |
| 1881-1885..... | 118                              | 17,236  | 1818..... | 1,909                            | 471,408 | 2,432                      | 1,883    | 549                  | 705              |
| 1886-1890..... | 226                              | 30,345  | 1819..... | 1,280                            | 239,274 | 1,805                      | 1,433    | 372                  | 574              |
| 1891-1895..... | 339                              | 37,266  | 1820..... | 1,200                            | 222,467 | 1,526                      | 1,182    | 344                  | 625              |
| 1896-1900..... | 531                              | 74,424  | 1921..... | 606                              | 65,221  | 951                        | 609      | 341                  | 435              |
| 1901-1905..... | 732                              | 108,859 | 1922..... | 950                              | 128,269 | 1,256                      | 905      | 351                  | 672              |
| 1906-1910..... | 980                              | 150,024 | 1923..... | 1,435                            | 210,945 | 1,960                      | 1,464    | 516                  | 822              |
| 1911-1915..... | 1,221                            | 185,592 | 1924..... | 1,634                            | 214,087 | 2,260                      | 1,674    | 586                  | 777              |
| 1916-1920..... | 1,644                            | 395,270 | 1925..... | 1,676                            | 237,832 | 2,205                      | 1,683    | 522                  | 840              |
| 1921-1925..... | 1,240                            | 171,275 | 1926..... | 1,740                            | 243,547 | 2,322                      | 1,731    | 591                  | 960              |
| 1926-1930..... | 1,726                            | 252,172 | 1927..... | 1,684                            | 220,609 | 2,326                      | 1,719    | 607                  | 980              |
| 1931-1935..... | 668                              | 52,060  | 1928..... | 1,826                            | 262,980 | 2,488                      | 1,792    | 696                  | 1,073            |
| 1907.....      | 860                              | 173,790 | 1929..... | 2,008                            | 352,504 | 2,740                      | 1,983    | 757                  | 1,253            |
| 1908.....      | 943                              | 124,410 | 1930..... | 1,394                            | 181,271 | 2,167                      | 1,391    | 766                  | 934              |
| 1909.....      | 1,093                            | 142,084 | 1931..... | 1,043                            | 94,887  | 1,501                      | 1,075    | 427                  | 694              |
| 1910.....      | 1,080                            | 137,180 | 1932..... | 544                              | 34,273  | 581                        | 445      | 238                  | 496              |
| 1911.....      | 1,007                            | 137,154 | 1933..... | 460                              | 28,800  | 742                        | 481      | 260                  | 676              |
| 1912.....      | 1,243                            | 205,139 | 1934..... | 488                              | 39,076  | 891                        | 466      | 425                  | 755              |
|                |                                  |         | 1935..... | 763                              | 63,295  | 1,178                      | 677      | 501                  | 898              |

<sup>1</sup> Includes refined copper imported to 1919, inclusive.

Source: Bureau of Mines, Department of the Interior.

## No. 726.—EXPORTS AND IMPORTS OF COPPER

NOTE.—Exports are those classed as "domestic" in the foreign trade statistics but include copper smelted or refined in the United States from imported ore or unrefined metal. Values include all forms of copper. Quantities represent all copper except the small item, "other manufactures." Copper content of exports of ore for years 1891-1915 and of imports for years 1894-1903 was estimated

[Quantities in short tons (2,000 pounds); values in thousands of dollars]

| Yearly average or year | Exports  |         | Imports  |         | Year      | Exports  |         | Imports  |         |
|------------------------|----------|---------|----------|---------|-----------|----------|---------|----------|---------|
|                        | Quantity | Value   | Quantity | Value   |           | Quantity | Value   | Quantity | Value   |
| 1891-1895 <sup>1</sup> | 65,586   | 14,392  | 5,477    | 896     | 1926..... | 482,843  | 141,204 | 389,721  | 99,742  |
| 1896-1900 <sup>1</sup> | 137,684  | 36,745  | 24,634   | 5,866   | 1927..... | 538,365  | 150,214 | 359,161  | 84,963  |
| 1901-1905 <sup>1</sup> | 190,451  | 54,942  | 83,237   | 22,611  | 1928..... | 562,510  | 169,831 | 393,537  | 98,187  |
| 1906-1910 <sup>1</sup> | 280,445  | 92,334  | 130,111  | 38,036  | 1929..... | 499,237  | 183,405 | 457,156  | 153,710 |
| 1911-1915 <sup>1</sup> | 416,840  | 123,655 | 176,635  | 46,129  | 1930..... | 376,647  | 105,342 | 408,577  | 104,616 |
| 1916-1920 <sup>2</sup> | 378,877  | 208,900 | 244,948  | 103,806 | 1931..... | 278,937  | 54,748  | 292,946  | 48,745  |
| 1921-1925.....         | 438,337  | 129,761 | 298,975  | 77,811  | 1932..... | 164,111  | 21,236  | 195,995  | 23,735  |
| 1926-1930.....         | 491,200  | 140,999 | 407,630  | 108,244 | 1933..... | 174,627  | 24,917  | 126,639  | 14,534  |
| 1931-1935.....         | 245,658  | 39,920  | 211,138  | 20,662  | 1934..... | 312,743  | 49,768  | 199,538  | 27,786  |
| 1925.....              | 540,376  | 161,166 | 326,486  | 84,270  | 1935..... | 302,873  | 45,963  | 240,526  | 33,218  |

<sup>1</sup> Fiscal years ended June 30.

<sup>2</sup> Average for period July 1, 1915, to Dec. 31, 1920.

<sup>3</sup> Imports for consumption; general imports prior to 1893.

Source: Bureau of Foreign and Domestic Commerce.

## No. 727.—REFINED PRIMARY LEAD AND SECONDARY LEAD

NOTE.—Production in short tons (2,000 pounds); values, except price per pound, in thousands of dollars. Figures, except those for antimonial and secondary lead, relate to new (primary) lead only; totals include lead derived from both domestic (including Alaska) and foreign ore. General production figures and production of desilverized lead exclude antimonial lead, shown in next to the last column. This table represents exclusively refined lead, while in table 728 part of the lead from domestic ore is unrefined

| Year      | Production | Value  | Year      | Production | Value   | Year      | Production | Value   |
|-----------|------------|--------|-----------|------------|---------|-----------|------------|---------|
| 1830..... | 8,000      | 608    | 1902..... | 367,892    | 30,167  | 1919..... | 482,220    | 51,115  |
| 1840..... | 17,000     | 1,066  | 1903..... | 368,939    | 30,091  | 1920..... | 520,057    | 84,746  |
| 1850..... | 22,000     | 2,112  | 1904..... | 303,452    | 33,837  | 1921..... | 448,580    | 40,373  |
| 1860..... | 15,600     | 1,778  | 1905..... | 388,307    | 36,501  | 1922..... | 532,662    | 58,593  |
| 1870..... | 17,830     | 2,247  | 1906..... | 404,746    | 46,141  | 1923..... | 618,322    | 86,565  |
| 1880..... | 95,725     | 9,573  | 1907..... | 413,380    | 43,819  | 1924..... | 690,493    | 110,479 |
| 1885..... | 120,192    | 10,095 | 1908..... | 396,564    | 33,311  | 1925..... | 766,909    | 133,453 |
| 1890..... | 167,844    | 14,266 | 1909..... | 448,909    | 38,434  | 1926..... | 798,941    | 127,831 |
| 1893..... | 224,320    | 10,600 | 1910..... | 470,272    | 14,384  | 1927..... | 790,530    | 100,303 |
| 1894..... | 213,650    | 14,101 | 1911..... | 486,970    | 43,828  | 1928..... | 781,071    | 90,604  |
| 1895..... | 235,822    | 15,093 | 1912..... | 480,894    | 43,280  | 1929..... | 774,633    | 97,604  |
| 1896..... | 257,487    | 15,449 | 1913..... | 462,400    | 40,096  | 1930..... | 843,033    | 64,803  |
| 1897..... | 282,169    | 20,316 | 1914..... | 542,122    | 42,286  | 1931..... | 442,704    | 32,765  |
| 1898..... | 302,148    | 22,963 | 1915..... | 550,055    | 51,705  | 1932..... | 288,301    | 17,802  |
| 1899..... | 298,047    | 26,824 | 1916..... | 571,134    | 78,817  | 1933..... | 273,679    | 20,245  |
| 1900..... | 367,773    | 32,364 | 1917..... | 610,769    | 105,052 | 1934..... | 311,236    | 23,031  |
| 1901..... | 371,082    | 30,609 | 1918..... | 640,195    | 90,908  | 1935..... | 324,560    | 25,965  |

| Year      | Class                     |         | Source                                 |              |                      | Average value per pound | Antimonial lead, at primary refineries | Secondary lead recovered, total |
|-----------|---------------------------|---------|----------------------------------------|--------------|----------------------|-------------------------|----------------------------------------|---------------------------------|
|           | Desilverized <sup>1</sup> | Soft    | Domestic ores and bullion <sup>2</sup> | Foreign ores | Foreign base bullion |                         |                                        |                                 |
| 1880..... | 68,035                    | 27,690  | 95,725                                 |              |                      | \$0.050                 | ( <sup>3</sup> )                       | -----                           |
| 1890..... | 120,493                   | 31,351  | 139,720                                | 18,124       |                      | .045                    | ( <sup>3</sup> )                       | -----                           |
| 1895..... | 195,032                   | 39,890  | 150,049                                | 70,173       |                      | .032                    | ( <sup>3</sup> )                       | -----                           |
| 1900..... | 319,752                   | 48,021  | 260,918                                | 106,855      |                      | .044                    | ( <sup>3</sup> )                       | -----                           |
| 1905..... | 302,852                   | 85,455  | 307,514                                | 80,703       |                      | .047                    | ( <sup>3</sup> )                       | -----                           |
| 1910..... | 328,954                   | 141,318 | 375,402                                | 18,065       | 76,805               | .044                    | ( <sup>3</sup> )                       | 55,422                          |
| 1915..... | 388,594                   | 161,461 | 507,026                                | 9,581        | 33,448               | .047                    | ( <sup>3</sup> )                       | 78,900                          |
| 1920..... | 330,803                   | 189,854 | 478,840                                | 8,414        | 44,394               | .080                    | ( <sup>3</sup> )                       | 124,650                         |
| 1925..... | 606,409                   | 260,560 | 654,921                                | 47,024       | 65,024               | .087                    | ( <sup>3</sup> )                       | 226,880                         |
| 1930..... | 441,672                   | 201,361 | 573,740                                | 34,348       | 34,945               | .050                    | 24,797                                 | 255,800                         |
| 1932..... | 225,231                   | 63,130  | 255,337                                | 21,747       | 11,277               | .030                    | 21,024                                 | 198,300                         |
| 1933..... | 188,001                   | 85,678  | 259,616                                | 7,677        | 6,286                | .037                    | 17,805                                 | 224,500                         |
| 1934..... | 209,212                   | 102,024 | 299,841                                | 10,241       | 1,154                | .037                    | 16,607                                 | 208,400                         |
| 1935..... | 227,777                   | 96,783  | 310,505                                | 13,659       | 366                  | .040                    | 16,384                                 | 270,400                         |

<sup>1</sup> Desilverized soft lead is included.<sup>2</sup> Excludes antimonial lead.<sup>3</sup> Not available.

## No. 728.—SOURCES OF PRIMARY LEAD SMELTED OR REFINED IN THE UNITED STATES

[Production in short tons (2,000 pounds). See headnote to table 727]

| Source of ore                                | 1910    | 1920    | 1925    | 1930    | 1932    | 1933    | 1934    | 1935             |
|----------------------------------------------|---------|---------|---------|---------|---------|---------|---------|------------------|
| Total.....                                   | 494,081 | 547,155 | 798,499 | 649,306 | 290,065 | 281,804 | 320,722 | 328,076          |
| From domestic ore.....                       | 389,211 | 494,347 | 686,451 | 680,013 | 267,041 | 267,841 | 306,327 | 314,021          |
| Arizona.....                                 | 948     | 5,987   | 10,281  | 4,223   | 1,134   | 1,718   | 3,607   | 7,020            |
| Colorado.....                                | 38,642  | 17,752  | 31,855  | 25,091  | 2,288   | 2,169   | 3,668   | 5,309            |
| Idaho.....                                   | 109,951 | 117,191 | 123,363 | 135,411 | 98,606  | 74,210  | 73,798  | 70,153           |
| Kansas.....                                  | 1,808   | 8,421   | 15,001  | 13,103  | 5,667   | 5,089   | 8,140   | ( <sup>3</sup> ) |
| Missouri.....                                | 161,659 | 171,999 | 205,547 | 201,056 | 79,483  | 85,564  | 105,670 | 102,180          |
| Montana.....                                 | 1,943   | 13,231  | 22,008  | 15,412  | 1,572   | 5,944   | 7,263   | 14,516           |
| Nevada.....                                  | 2,246   | 8,650   | 10,978  | 14,091  | 390     | 2,318   | 11,893  | 7,238            |
| New Mexico.....                              | 1,890   | 1,123   | 3,782   | 11,250  | 10,608  | 10,727  | 10,375  | 7,141            |
| Oklahoma.....                                | 1,805   | 68,494  | 78,487  | 23,398  | 9,285   | 15,076  | 20,031  | 22,168           |
| Utah.....                                    | 60,005  | 64,006  | 166,844 | 122,311 | 70,111  | 60,949  | 60,223  | 71,477           |
| Undistributed.....                           | 6,077   | 13,127  | 13,764  | 18,072  | 7,507   | 3,944   | 4,473   | 4,753            |
| Zinc residues.....                           | 2,237   | 4,366   | 1,541   | 995     | 392     | 1,033   | 986     | 1,976            |
| From foreign ore <sup>1</sup> .....          | 18,065  | 8,414   | 47,024  | 34,348  | 21,747  | 7,877   | 10,241  | 18,659           |
| Canada.....                                  | 25      | 1,186   | 10,676  | 14,369  | 3,707   | 3,472   | 2,514   | 1,039            |
| Europe.....                                  |         | 19      | 470     | 41      | 4,491   | 2,600   | 45      | 1,086            |
| Mexico.....                                  | 11,704  | 2,729   | 31,107  | 14,949  | 334     | 257     | 1,011   | 5,809            |
| South America.....                           | 2,996   | 2,747   | 4,496   | 3,476   | 2,631   | 1,348   | 4,028   | 2,872            |
| From foreign base bullion <sup>2</sup> ..... | 76,805  | 44,394  | 65,024  | 34,945  | 11,277  | 6,286   | 1,154   | 396              |
| Mexico.....                                  | 76,805  | 42,421  | 65,024  | 18,592  | 11,104  | 6,021   | 703     | 300              |
| Peru.....                                    |         |         |         | 16,353  | 113     | 265     | 451     | -----            |

<sup>1</sup> Separation as between Kansas and Oklahoma is made on the basis of mine figures.<sup>2</sup> Kansas included with Oklahoma. <sup>3</sup> Totals include small unspecified items.

Source of tables 727 and 728: Bureau of Mines, Department of the Interior.

## No. 729.—SUPPLY AND DISTRIBUTION OF REFINED PRIMARY LEAD

NOTE.—All data in short tons (2,000 pounds). Apparent deliveries are only approximate, as no account (except for bonded warehouses prior to 1932) is taken of changes in stocks

|                                                | 1910    | 1920    | 1925    | 1930    | 1932    | 1933    | 1934    | 1935    |
|------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Supply, total.....                             | 473,886 | 565,810 | 779,085 | 644,570 | 288,406 | 273,642 | 311,519 | 325,882 |
| Stock in bonded warehouses                     |         |         |         |         |         |         |         |         |
| Jan. 1.....                                    | 79      | 234     | 5,045   | 1,328   | (1)     | (1)     | (1)     | (1)     |
| Imports of pigs, bars, and old                 | 3,485   | 35,719  | 7,021   | 209     | 44      | 63      | 283     | 1,322   |
| Production from domestic                       |         |         |         |         |         |         |         |         |
| and foreign ore.....                           | 470,272 | 529,657 | 766,969 | 643,033 | 288,361 | 273,579 | 311,236 | 324,560 |
| Deductions, total.....                         | 78,681  | 27,590  | 123,380 | 61,796  | 30,738  | 29,343  | 13,378  | 15,971  |
| Exports—                                       |         |         |         |         |         |         |         |         |
| Pig lead.....                                  | 69,786  | 20,093  | 103,519 | 48,307  | 23,516  | 22,835  | 5,905   | 6,976   |
| In manufactures with                           |         |         |         |         |         |         |         |         |
| benefit of drawback.....                       | 8,800   | 6,175   | 11,699  | 12,161  | 7,220   | 6,508   | 7,472   | 8,995   |
| Stock in bonded warehouses                     |         |         |         |         |         |         |         |         |
| Dec. 31.....                                   | 75      | 1,322   | 8,162   | (1)     | (1)     | (1)     | (1)     | (1)     |
| Apparent deliveries to domestic consumers..... | 395,176 | 539,020 | 655,655 | 582,774 | 257,668 | 244,299 | 298,141 | 309,911 |

<sup>1</sup> Stocks of pigs, bars, etc. in bonded warehouse not separately reported after April 1930; included with base bullion. For purpose of calculating apparent deliveries in 1930, stocks in warehouse are estimated to have remained unchanged from beginning of the year.

Source: Bureau of Mines, Department of the Interior.

No. 730.—MANUFACTURES OF NONFERROUS METALS AND ALLOYS,<sup>1</sup> 1933

NOTE.—This table shows the production of the commodities specified, whether made as primary or as secondary products by the industries reporting them. The census designations of the industries in which these commodities are made as primary products are as follows: "Nonferrous-metal alloys; nonferrous-metal products, except aluminum, not elsewhere classified;" and "Smelting and refining, nonferrous metals other than gold, silver, and platinum, not from the ore"

[Quantities in thousands of pounds; values in thousands of dollars]

| Kind                            | 1933     |        | Kind                                | 1933     |        |
|---------------------------------|----------|--------|-------------------------------------|----------|--------|
|                                 | Quantity | Value  |                                     | Quantity | Value  |
| Ingot and pigs:                 |          |        | Other tubing, including brazed..    | 2,052    | 520    |
| Copper (secondary).....         | 58,554   | 4,180  | Castings, rough:                    |          |        |
| Lead (secondary).....           | 238,190  | 9,913  | Brass and bronze:                   |          |        |
| Zinc (secondary).....           | 46,674   | 2,037  | Quantity reported.....              | 78,087   | 11,917 |
| Brass and bronze.....           | 117,282  | 8,018  | Quantity not reported.....          |          | 4,658  |
| Antifriction bearing metal..... | 25,628   | 4,324  | Copper.....                         | 2,734    | 664    |
| Solders, of all kinds.....      | 53,480   | 11,241 | Nickel-alloy <sup>1</sup> .....     | 6,627    | 2,838  |
| Type metal.....                 | 44,856   | 2,762  | Finished products:                  |          |        |
| Plates and sheets:              |          |        | Castings, finished.....             |          | 3,530  |
| Brass and bronze.....           | 235,118  | 28,754 | Bearings and bushings (in-          |          |        |
| Copper.....                     | 138,574  | 17,237 | cluding antifriction linings).....  |          | 9,533  |
| Lead.....                       | 24,568   | 1,537  | Die castings.....                   |          | 7,902  |
| Nickel alloys.....              | 21,282   | 5,710  | Extruded shapes.....                |          | 1,435  |
| Rods and bars:                  |          |        | Forgings and hot-pressed parts..... |          | 1,781  |
| Brass and bronze.....           | 137,642  | 14,279 | Bells.....                          |          | 161    |
| Copper.....                     | 160,940  | 12,588 |                                     |          |        |
| Nickel alloys.....              | 5,120    | 2,228  |                                     |          |        |
| Tubing (seamless) and pipe:     |          |        |                                     |          |        |
| Brass and bronze.....           | 77,460   | 10,760 |                                     |          |        |
| Copper.....                     | 59,150   | 9,055  |                                     |          |        |
| Lead.....                       | 26,970   | 1,953  |                                     |          |        |
| Nickel alloys.....              | 1,584    | 600    |                                     |          |        |

<sup>1</sup> This table does not include data for establishments engaged in smelting and refining concentrates containing copper, lead, zinc, and other nonferrous metals.

<sup>2</sup> Includes nonferrous heat-corrosion-resistant alloy castings.

Source: Bureau of the Census, Department of Commerce.

## No. 731.—ZINC: PRODUCTION, EXPORTS, STOCKS, AND APPARENT CONSUMPTION

NOTE.—The excess of mine production over smelter production is due chiefly to export of ore

[All quantity figures in short tons (2,000 pounds); values in thousands of dollars]

|                                                                  | 1910           | 1920           | 1925           | 1930           | 1932           | 1933           | 1934           | 1935 <sup>1</sup> |
|------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------------|
| <b>Mine production (recoverable zinc content of ore).....</b>    | <b>327,618</b> | <b>587,524</b> | <b>710,847</b> | <b>595,425</b> | <b>285,231</b> | <b>334,280</b> | <b>438,726</b> | <b>518,373</b>    |
| Colorado.....                                                    | 38,545         | 24,305         | 30,811         | 36,259         | 109            | 1,235          | 772            | 1,202             |
| Idaho.....                                                       | 2,802          | 13,906         | 15,019         | 37,049         | 10,252         | 20,068         | 24,799         | 31,058            |
| Kansas.....                                                      | 13,229         | 61,073         | 118,778        | 74,304         | 26,277         | 40,947         | 38,261         | 50,000            |
| Missouri.....                                                    | 128,589        | 24,509         | 14,704         | 10,811         | 986            | 5,042          | 7,060          | 7,500             |
| Montana.....                                                     | 16,819         | 92,169         | 67,658         | 26,421         | 2,197          | 20,724         | 30,721         | 54,772            |
| Nevada.....                                                      | 1,354          | 5,349          | 7,411          | 14,584         | 127            | 6,387          | 13,040         | 15,661            |
| New Jersey.....                                                  | 68,584         | 78,511         | 80,261         | 97,626         | 81,460         | 75,125         | 76,553         | 85,708            |
| New Mexico.....                                                  | 9,044          | 5,007          | 9,246          | 32,765         | 25,593         | 30,924         | 26,522         | 22,126            |
| New York.....                                                    | 5,654          | 5,168          | 22,471         | 16,794         | 17,733         | 23,188         | 23,720         | 23,720            |
| Oklahoma.....                                                    | 6,394          | 219,727        | 283,371        | 136,153        | 63,437         | 91,065         | 107,772        | 134,000           |
| Tennessee.....                                                   | 966            | 19,217         | 16,256         | 48,147         | 18,514         | 32,770         | 47,712         | 48,832            |
| Utah.....                                                        | 8,184          | 4,079          | 26,306         | 44,496         | 29,066         | 29,745         | 28,198         | 31,102            |
| Wisconsin.....                                                   | 25,927         | 27,285         | 20,230         | 12,558         | 7,522          | 7,800          | 8,807          | 8,923             |
| Other States.....                                                | 8,181          | 6,583          | 15,948         | 1,182          | 2,297          | 3,765          | 3,422          | 3,729             |
| <b>Smelter production.....</b>                                   | <b>310,407</b> | <b>506,227</b> | <b>694,376</b> | <b>547,345</b> | <b>227,145</b> | <b>355,232</b> | <b>392,890</b> | <b>476,034</b>    |
| Primary zinc.....                                                | 269,184        | 463,377        | 572,946        | 498,045        | 207,148        | 307,182        | 303,590        | 420,634           |
| From domestic ore.....                                           | 262,479        | 450,045        | 555,631        | 480,361        | 207,148        | 306,010        | 355,366        | 412,184           |
| From foreign ore.....                                            | 16,705         | 13,332         | 17,315         | 8,684          | -----          | 1,172          | 8,224          | 8,450             |
| Secondary zinc.....                                              | 41,223         | 42,850         | 61,430         | 49,300         | 20,000         | 48,100         | 20,300         | 55,400            |
| Redistilled.....                                                 | 12,784         | 21,371         | 39,181         | 34,849         | 14,718         | 30,087         | 10,691         | 28,650            |
| Remelted.....                                                    | 28,439         | 21,479         | 22,249         | 14,451         | 5,282          | 18,013         | 9,609          | 26,750            |
| <b>Value of primary product from domestic ore (\$1,000).....</b> | <b>27,298</b>  | <b>72,907</b>  | <b>84,456</b>  | <b>46,970</b>  | <b>12,429</b>  | <b>25,705</b>  | <b>30,561</b>  | <b>36,272</b>     |
| <b>Primary zinc consumed:</b>                                    |                |                |                |                |                |                |                |                   |
| Supply, total.....                                               | 282,350        | 508,347        | 593,724        | 584,205        | 351,089        | 437,310        | 475,857        | 549,073           |
| Stock at smelters, Jan. 1.....                                   | 11,206         | 30,793         | 20,764         | 85,904         | 143,592        | 128,102        | 110,487        | 124,783           |
| Produced.....                                                    | 269,184        | 463,377        | 572,940        | 498,045        | 207,148        | 307,182        | 363,590        | 420,634           |
| Imported.....                                                    | 1,960          | 8,177          | 24             | 346            | 340            | 1,936          | 1,780          | 4,556             |
| <b>Deductions:</b>                                               |                |                |                |                |                |                |                |                   |
| Exports, total.....                                              | 13,234         | 114,267        | 80,547         | 8,533          | 9,617          | 5,034          | 10,545         | 8,540             |
| Stock at smelters, Dec. 31.....                                  | 23,232         | 71,037         | 13,080         | 167,293        | 123,192        | 110,487        | 124,783        | 90,539            |
| <b>Apparent deliveries to domestic consumers.....</b>            | <b>245,884</b> | <b>323,043</b> | <b>500,097</b> | <b>408,469</b> | <b>213,280</b> | <b>321,789</b> | <b>340,529</b> | <b>450,794</b>    |

<sup>1</sup> Preliminary.<sup>2</sup> Includes Virginia.<sup>3</sup> Includes small quantity of secondary electrolytic zinc.

Source: Bureau of Mines, Department of the Interior.

## No. 732.—SMELTER PRODUCTION OF PRIMARY ZINC FROM DOMESTIC ORE

(Quantities in short tons (2,000 pounds); values<sup>1</sup> in thousands of dollars)

| Yearly average or year | Quantity | Value              | Yearly average or year | Quantity | Value  | Year      | Quantity | Value  |
|------------------------|----------|--------------------|------------------------|----------|--------|-----------|----------|--------|
| 1875.....              | 15,833   | <sup>2</sup> 2,217 | 1921-1925.....         | 426,261  | 56,149 | 1926..... | 611,991  | 91,799 |
| 1880.....              | 23,239   | 2,277              | 1926-1930.....         | 570,395  | 73,119 | 1927..... | 576,960  | 73,851 |
| 1885.....              | 40,688   | 3,540              | 1931-1935.....         | 314,541  | 25,432 | 1928..... | 591,625  | 72,165 |
| 1886-1890.....         | 54,285   | 5,219              | 1919.....              | 452,272  | 66,032 | 1929..... | 612,130  | 80,802 |
| 1891-1895.....         | 32,396   | 6,787              | 1920.....              | 450,045  | 72,907 | 1930..... | 489,361  | 46,979 |
| 1896-1900.....         | 106,963  | 10,180             | 1921.....              | 108,232  | 19,823 | 1931..... | 291,996  | 22,192 |
| 1901-1905.....         | 159,504  | 17,067             | 1922.....              | 353,274  | 40,273 | 1932..... | 207,148  | 12,429 |
| 1906-1910.....         | 219,378  | 24,165             | 1923.....              | 508,335  | 69,134 | 1933..... | 306,010  | 25,705 |
| 1911-1915.....         | 346,807  | 52,416             | 1924.....              | 515,851  | 67,058 | 1934..... | 355,366  | 30,561 |
| 1916-1920.....         | 508,781  | 99,812             | 1925.....              | 555,631  | 84,460 | 1935..... | 412,184  | 36,272 |

<sup>1</sup> Values at New York prices, up to and including 1907; at St. Louis prices, 1908 to 1914; at average price all grades, 1915 and later years.<sup>2</sup> Computed at yearly average of high and low monthly prices at New York.<sup>3</sup> Census year ended May 31.

Source: Bureau of Mines, Department of the Interior.

# **No. 733.—GOLD AND SILVER: PRODUCTION FROM MINES IN CONTINENTAL UNITED STATES, ALASKA, PUERTO RICO, AND PHILIPPINE ISLANDS**

NOTE.—The value of gold, in terms of money, being at a fixed rate, is not shown in the table. Gold is valued at \$20.67+ per fine troy ounce from 1837 through 1933. In 1933, however, varying higher prices prevailed subsequent to the Executive order of Aug. 29 (for 1933 data regarding value of gold production, see note 6, table 709). On Jan. 31, 1934, the legal value of gold was fixed at \$35 per fine ounce. The value of silver given is commercial value, except for 1921 to June 1923 and beginning 1934 (see footnotes 1 and 2) which has differed materially from coinage value.

[Figures are totals for period or for year]

| Calendar year or period | Gold, 1,000 fine ounces | Silver, 1,000 fine ounces | Silver, value, 1,000 dollars | Calendar year | Gold, 1,000 fine ounces | Silver, 1,000 fine ounces | Silver, value, 1,000 dollars |
|-------------------------|-------------------------|---------------------------|------------------------------|---------------|-------------------------|---------------------------|------------------------------|
| 1792-1847-----          | 1,187                   | 310                       | 405                          | 1906-----     | 4,566                   | 56,518                    | 38,258                       |
| 1848-1850-----          | 4,888                   | 116                       | 152                          | 1907-----     | 4,375                   | 56,515                    | 37,300                       |
| 1851-1855-----          | 14,271                  | 194                       | 259                          | 1908-----     | 4,574                   | 52,441                    | 28,031                       |
| 1856-1860-----          | 12,884                  | 309                       | 418                          | 1909-----     | 4,822                   | 54,722                    | 28,455                       |
| 1861-1865-----          | 10,716                  | 28,811                    | 38,674                       | 1910-----     | 4,667                   | 57,138                    | 30,856                       |
| 1866-1870-----          | 12,226                  | 49,113                    | 65,261                       | 1911-----     | 4,687                   | 60,390                    | 32,616                       |
| 1871-1875-----          | 8,826                   | 121,088                   | 156,270                      | 1912-----     | 4,521                   | 53,767                    | 30,198                       |
| 1876-1880-----          | 10,361                  | 157,681                   | 182,506                      | 1913-----     | 4,800                   | 60,802                    | 40,345                       |
| 1881-1885-----          | 7,730                   | 182,841                   | 202,807                      | 1914-----     | 4,573                   | 72,455                    | 40,068                       |
| 1886-1890-----          | 8,078                   | 231,819                   | 227,495                      | 1915-----     | 4,888                   | 74,961                    | 37,397                       |
| 1891-1895-----          | 9,107                   | 287,057                   | 227,960                      | 1916-----     | 4,470                   | 74,415                    | 48,953                       |
| 1896-1900-----          | 15,720                  | 279,544                   | 172,689                      | 1917-----     | 4,051                   | 71,740                    | 59,078                       |
| 1901-1905-----          | 19,394                  | 278,768                   | 159,548                      | 1918-----     | 5,321                   | 67,810                    | 66,456                       |
| 1906-1910-----          | 22,998                  | 277,333                   | 162,816                      | 1919-----     | 2,919                   | 56,682                    | 63,534                       |
| 1911-1915-----          | 22,968                  | 338,384                   | 189,626                      | 1920-----     | 2,476                   | 55,352                    | 60,802                       |
| 1916-1920-----          | 17,246                  | 326,006                   | 268,852                      | 1921-----     | 2,422                   | 53,052                    | <sup>1</sup> 53,062          |
| 1921-1925-----          | 12,220                  | 314,190                   | 259,162                      | 1922-----     | 2,863                   | 56,240                    | <sup>1</sup> 56,240          |
| 1926-1930-----          | 11,259                  | 208,692                   | 169,829                      | 1923-----     | 2,608                   | 73,336                    | <sup>1</sup> 60,135          |
| 1931-1935-----          | 14,101                  | 156,565                   | 77,948                       | 1924-----     | 2,529                   | 65,407                    | 43,828                       |
| 1894-----               | 1,911                   | 49,500                    | 31,422                       | 1925-----     | 2,412                   | 66,155                    | 46,912                       |
| 1895-----               | 2,255                   | 55,727                    | 36,446                       | 1926-----     | 2,335                   | 62,719                    | 39,136                       |
| 1896-----               | 2,568                   | 53,835                    | 39,655                       | 1927-----     | 2,197                   | 60,434                    | 34,266                       |
| 1897-----               | 2,775                   | 53,860                    | 32,316                       | 1928-----     | 2,233                   | 58,463                    | 34,201                       |
| 1898-----               | 3,118                   | 54,438                    | 32,118                       | 1929-----     | 2,208                   | 61,328                    | 32,688                       |
| 1899-----               | 3,437                   | 54,765                    | 32,859                       | 1930-----     | 2,286                   | 50,748                    | 19,538                       |
| 1900-----               | 3,830                   | 67,647                    | 35,741                       | 1931-----     | 2,396                   | 30,632                    | 8,970                        |
| 1901-----               | 3,806                   | 55,214                    | 33,128                       | 1932-----     | 2,449                   | 29,981                    | 6,769                        |
| 1902-----               | 3,870                   | 55,500                    | 29,415                       | 1933-----     | 2,556                   | 23,003                    | 8,951                        |
| 1903-----               | 3,560                   | 54,300                    | 29,322                       | 1934-----     | 3,091                   | 32,725                    | <sup>2</sup> 21,150          |
| 1904-----               | 3,892                   | 57,683                    | 33,456                       | 1935-----     | 3,609                   | 45,924                    | <sup>2</sup> 33,008          |
| 1905-----               | 4,266                   | 56,102                    | 34,222                       |               |                         |                           |                              |

| State or Territory      | Gold, 1,000 fine ounces |                  |                  |                  |       | Silver, 1,000 fine ounces |        |        |        |        | Silver, value, 1935, 1,000 dollars <sup>3</sup> |
|-------------------------|-------------------------|------------------|------------------|------------------|-------|---------------------------|--------|--------|--------|--------|-------------------------------------------------|
|                         | 1910                    | 1920             | 1930             | 1934             | 1935  | 1910                      | 1920   | 1930   | 1934   | 1935   |                                                 |
| Total-----              | 4,667                   | 2,476            | 2,288            | 3,091            | 3,609 | 57,138                    | 55,352 | 50,748 | 32,725 | 45,924 | 33,008                                          |
| Alaska-----             | 787                     | 413              | 407              | 537              | 462   | 154                       | 822    | 392    | 178    | 222    | 159                                             |
| Arizona-----            | 165                     | 240              | 149              | 150              | 216   | 2,656                     | 5,432  | 4,910  | 4,270  | 5,765  | 4,143                                           |
| California-----         | 980                     | 716              | 450              | 713              | 870   | 1,732                     | 1,655  | 1,434  | 860    | 1,065  | 765                                             |
| Colorado-----           | 993                     | 368              | 218              | 317              | 357   | 8,533                     | 5,167  | 4,352  | 3,495  | 4,874  | 2,603                                           |
| Idaho-----              | 50                      | 23               | 21               | 53               | 84    | 7,027                     | 7,365  | 9,710  | 7,491  | 10,314 | 7,413                                           |
| Michigan-----           |                         |                  |                  | ( <sup>3</sup> ) |       | 262                       | 512    | 11     | 13     | 4      | 3                                               |
| Montana-----            | 180                     | 92               | 47               | 69               | 138   | 12,283                    | 13,268 | 8,597  | 3,568  | 8,067  | 5,798                                           |
| Nevada-----             | 913                     | 175              | 140              | 135              | 176   | 12,366                    | 7,482  | 4,179  | 2,887  | 4,056  | 2,915                                           |
| New Mexico-----         | 23                      | 22               | 32               | 23               | 34    | 779                       | 700    | 1,160  | 992    | 1,131  | 813                                             |
| Oregon-----             | 33                      | 50               | 14               | 34               | 49    | 44                        | 102    | 10     | 57     | 92     | 66                                              |
| South Dakota-----       | 260                     | 210              | 406              | 474              | 567   | 121                       | 88     | 105    | 100    | 139    | 100                                             |
| Texas-----              | ( <sup>3</sup> )        | ( <sup>3</sup> ) | ( <sup>3</sup> ) | ( <sup>3</sup> ) |       | 1                         | 364    | 469    | 789    | 988    | 710                                             |
| Utah-----               | 209                     | 103              | 209              | 159              | 188   | 10,446                    | 11,755 | 14,451 | 7,623  | 8,623  | 6,198                                           |
| Washington-----         | 39                      | 7                | 4                | 7                | 8     | 205                       | 178    | 30     | 46     | 45     | 23                                              |
| Philippine Islands----- | 7                       | 62               | 185              | 349              | 446   | 2                         | 22     | 121    | 238    | 312    | 224                                             |
| Other-----              | 8                       | ( <sup>3</sup> ) |                  | 11               | 13    | 115                       | 296    | 317    | 117    | 229    | 164                                             |

<sup>1</sup> For 1921, 1922, and first half of 1923 price is taken at the figure of \$1 per ounce fixed by the Pittman Act.

<sup>2</sup> At Government's buying price for domestic product, \$0.64+ per fine ounce in 1934 and \$0.71875 (average price paid by Treasury) in 1935.

<sup>3</sup> Less than \$500 or 500 ounces.

Source: Reports of the Director of the Mint, Treasury Department



## No. 734.—GOLD AND SILVER FOR USE IN MANUFACTURES AND THE ARTS

| Yearly average or year | Gold in thousands of dollars    |                          |        |              |             | Silver in thousands of fine ounces |                          |        |              |             |
|------------------------|---------------------------------|--------------------------|--------|--------------|-------------|------------------------------------|--------------------------|--------|--------------|-------------|
|                        | New material                    |                          |        | Old material | Grand total | New material                       |                          |        | Old material | Grand total |
|                        | United States coin <sup>1</sup> | Bullion and foreign coin | Total  |              |             | United States coin <sup>1</sup>    | Bullion and foreign coin | Total  |              |             |
| 1880.....              | 3,300                           | 5,611                    | 8,911  | 1,294        | 10,105      | 464                                | 2,125                    | 2,590  | 204          | 2,794       |
| 1881-1886.....         | 3,715                           | 6,991                    | 10,706 | 1,883        | 12,589      | 155                                | 3,685                    | 3,840  | 315          | 4,155       |
| 1886-1890.....         | 3,500                           | 5,612                    | 12,012 | 4,029        | 16,041      | 155                                | 4,831                    | 4,986  | 676          | 5,662       |
| 1891-1896.....         | 3,500                           | 7,948                    | 11,448 | 5,060        | 16,508      | 108                                | 6,838                    | 7,046  | 951          | 7,997       |
| 1896-1900.....         | 3,500                           | 9,399                    | 12,899 | 4,067        | 16,965      | 77                                 | 8,937                    | 9,014  | 1,200        | 10,214      |
| 1901-1905.....         | 3,500                           | 18,218                   | 21,718 | 6,778        | 28,496      | 77                                 | 16,447                   | 16,524 | 3,002        | 19,526      |
| 1906-1910.....         | 3,500                           | 26,941                   | 30,441 | 7,708        | 38,149      | 77                                 | 20,807                   | 20,884 | 3,569        | 24,553      |
| 1911-1915.....         | 2,600                           | 28,121                   | 30,721 | 9,967        | 40,688      | 77                                 | 23,438                   | 23,516 | 6,928        | 30,444      |
| 1916-1920.....         | 1,000                           | 38,831                   | 39,831 | 22,033       | 61,864      | 77                                 | 22,011                   | 22,089 | 9,126        | 31,214      |
| 1921-1925.....         | 1,000                           | 29,321                   | 30,321 | 29,275       | 59,596      | 77                                 | 28,538                   | 28,616 | 8,189        | 36,805      |
| 1926-1930.....         | 1,000                           | 23,747                   | 24,747 | 30,450       | 55,197      | 77                                 | 28,069                   | 28,137 | 10,325       | 38,461      |
| 1931.....              | 1,000                           | 29,927                   | 30,927 | 32,063       | 62,991      | 77                                 | 29,380                   | 29,408 | 10,001       | 39,408      |
| 1932.....              | 1,000                           | 25,450                   | 26,450 | 30,360       | 56,810      | 77                                 | 28,416                   | 28,493 | 10,155       | 38,649      |
| 1933.....              | 1,000                           | 25,306                   | 26,306 | 30,270       | 56,576      | 77                                 | 24,854                   | 25,031 | 10,610       | 35,648      |
| 1934.....              | 1,000                           | 28,873                   | 29,873 | 32,031       | 59,904      | 77                                 | 30,900                   | 30,978 | 11,382       | 42,360      |
| 1935.....              | 1,000                           | 14,178                   | 15,178 | 27,512       | 42,690      | 77                                 | 26,797                   | 26,874 | 8,460        | 35,334      |
| 1936.....              | 1,000                           | 4,931                    | 5,931  | 23,227       | 29,158      | 77                                 | 24,258                   | 24,336 | 9,346        | 33,682      |
| 1937.....              | 1,000                           | 17,430                   | 18,430 | 26,595       | 44,025      | 77                                 | 14,384                   | 14,461 | 9,797        | 24,268      |
| 1938.....              | 100                             | 16,398                   | 16,498 | 22,806       | 39,304      | 77                                 | 10,733                   | 10,811 | 18,533       | 29,343      |
| 1939.....              | 100                             | 16,184                   | 16,284 | 22,806       | 39,090      | 77                                 | 11,415                   | 11,492 | 28,186       | 39,678      |

<sup>1</sup> Estimated.<sup>2</sup> Excess of return from industry over new material issued to industry.

## No. 735.—SILVER: PRICE AND VALUE OF SILVER IN THE DOLLAR

NOTE.—The London price is converted to the basis of the ounce 1.000 fine and converted to American money at par of exchange through 1933; thereafter, at the current rate of exchange. London quotations are in depreciated currency after Sept. 21, 1931, also in some prior year periods, including 1918 to 1924. New York quotations are in depreciated currency after early March 1933. The commercial ratio is computed on the basis of London quotations through 1914; thereafter, on the basis of the New York average price. Beginning with 1934 the monetary value of gold is \$35.00 per fine ounce as compared with \$20.67 in previous years. The value of fine silver (371 1/4 grains) in the dollar is computed on the basis of London quotations through 1917; thereafter, on the basis of the New York average price.

(All figures, except "Commercial ratio to gold," expressed in dollars)

| Calendar year | London, per fine ounce | New York, per fine ounce |       |       | Commercial ratio to gold | Value of silver in dollar | Calendar year | London, per fine ounce | New York, per fine ounce |       |       | Commercial ratio to gold | Value of silver in dollar |
|---------------|------------------------|--------------------------|-------|-------|--------------------------|---------------------------|---------------|------------------------|--------------------------|-------|-------|--------------------------|---------------------------|
|               |                        | Average                  | High  | Low   |                          |                           |               |                        | Average                  | High  | Low   |                          |                           |
| 1835.....     | 1.308                  |                          |       |       | 15.80                    |                           | 1908.....     | 0.536                  | 0.535                    | 0.589 | 0.483 | 38.64                    | 0.414                     |
| 1840.....     | 1.323                  |                          |       |       | 16.62                    | 1.023                     | 1909.....     | .620                   | .622                     | .545  | .608  | 39.74                    | .402                      |
| 1845.....     | 1.298                  |                          |       |       | 16.62                    | 1.004                     | 1910.....     | .641                   | .642                     | .676  | .608  | 38.22                    | .418                      |
| 1850.....     | 1.316                  |                          |       |       | 15.70                    | 1.018                     | 1911.....     | .639                   | .640                     | .678  | .621  | 38.33                    | .417                      |
| 1855.....     | 1.344                  |                          |       |       | 16.38                    | 1.039                     | 1912.....     | .615                   | .620                     | .666  | .653  | 33.62                    | .475                      |
| 1860.....     | 1.352                  |                          |       |       | 15.29                    | 1.045                     | 1913.....     | .605                   | .612                     | .651  | .580  | 34.19                    | .468                      |
| 1865.....     | 1.338                  |                          |       |       | 15.44                    | 1.035                     | 1914.....     | .563                   | .563                     | .609  | .490  | 37.37                    | .428                      |
| 1870.....     | 1.328                  |                          |       |       | 15.37                    | 1.027                     | 1915.....     | .519                   | .511                     | .580  | .478  | 40.48                    | .401                      |
| 1875.....     | 1.242                  | 1.239                    | 1.261 | 1.210 | 16.64                    | .961                      | 1916.....     | .686                   | .672                     | .701  | .673  | 30.78                    | .531                      |
| 1880.....     | 1.145                  | 1.139                    | 1.150 | 1.113 | 18.05                    | .886                      | 1917.....     | .685                   | .640                     | 1.105 | .731  | 24.61                    | .692                      |
| 1885.....     | 1.066                  | 1.064                    | 1.085 | 1.028 | 10.41                    | .824                      | 1918.....     | 1.042                  | .984                     | 1.019 | .889  | 21.00                    | .761                      |
| 1890.....     | 1.046                  | 1.053                    | 1.205 | .958  | 18.75                    | .809                      | 1919.....     | 1.250                  | 1.121                    | 1.383 | 1.014 | 18.44                    | .887                      |
| 1892.....     | .871                   | .876                     | .953  | .830  | 23.72                    | .674                      | 1920.....     | 1.346                  | 1.019                    | 1.379 | .604  | 20.28                    | .788                      |
| 1893.....     | .780                   | .782                     | .850  | .650  | 26.49                    | .604                      | 1921.....     | .805                   | .631                     | .738  | .532  | 32.76                    | .488                      |
| 1894.....     | .635                   | .640                     | .700  | .595  | 32.66                    | .491                      | 1922.....     | .754                   | .679                     | .742  | .629  | 30.43                    | .625                      |
| 1895.....     | .664                   | .663                     | .690  | .600  | 31.60                    | .506                      | 1923.....     | .700                   | .652                     | .690  | .629  | 31.60                    | .505                      |
| 1896.....     | .678                   | .682                     | .703  | .666  | 30.69                    | .523                      | 1924.....     | .745                   | .671                     | .724  | .630  | 30.80                    | .519                      |
| 1897.....     | .604                   | .608                     | .661  | .528  | 34.20                    | .467                      | 1925.....     | .708                   | .694                     | .732  | .668  | 29.78                    | .537                      |
| 1898.....     | .590                   | .591                     | .623  | .551  | 35.03                    | .456                      | 1926.....     | .629                   | .624                     | .689  | .618  | 33.11                    | .485                      |
| 1899.....     | .602                   | .605                     | .648  | .586  | 34.30                    | .465                      | 1927.....     | .571                   | .567                     | .603  | .542  | 36.47                    | .438                      |
| 1900.....     | .620                   | .621                     | .668  | .598  | 33.33                    | .480                      | 1928.....     | .586                   | .585                     | .639  | .568  | 35.34                    | .452                      |
| 1901.....     | .590                   | .597                     | .645  | .543  | 34.08                    | .461                      | 1929.....     | .530                   | .533                     | .578  | .468  | 38.78                    | .412                      |
| 1902.....     | .538                   | .528                     | .569  | .474  | 39.16                    | .408                      | 1930.....     | .387                   | .386                     | .472  | .311  | 53.74                    | .298                      |
| 1903.....     | .543                   | .542                     | .624  | .475  | 38.10                    | .420                      | 1931.....     | .320                   | .290                     | .376  | .261  | 71.26                    | .224                      |
| 1904.....     | .579                   | .578                     | .625  | .534  | 35.70                    | .448                      | 1932.....     | .391                   | .282                     | .313  | .246  | 73.29                    | .218                      |
| 1905.....     | .610                   | .610                     | .655  | .555  | 33.87                    | .472                      | 1933.....     | .398                   | .350                     | .453  | .348  | 69.06                    | .271                      |
| 1906.....     | .677                   | .674                     | .724  | .631  | 30.54                    | .524                      | 1934.....     | .481                   | .483                     | .561  | .421  | 72.49                    | .373                      |
| 1907.....     | .682                   | .680                     | .710  | .628  | 31.24                    | .512                      | 1935.....     | .639                   | .640                     | .813  | .591  | 54.19                    | .500                      |

Source of tables 734 and 735: Annual Reports of the Director of the Mint, Treasury Department.

## No. 736.—COKE: PRODUCTION, EXPORTS, AND IMPORTS

| Yearly average or year | Production in thousands of short tons (2,000 pounds) |               |                  | By-product ovens, per cent of total | Production (value) in thousands of dollars | Exports                               | Imports <sup>1</sup> |
|------------------------|------------------------------------------------------|---------------|------------------|-------------------------------------|--------------------------------------------|---------------------------------------|----------------------|
|                        | Total                                                | Beehive ovens | By-product ovens |                                     |                                            | Thousand of short tons (2,000 pounds) |                      |
| 1896-1900.....         | 16,265                                               | 15,741        | 524              | 3.2                                 | 30,293                                     | 265                                   | 54                   |
| 1901-1905.....         | 25,673                                               | 23,566        | 2,107            | 8.2                                 | 58,581                                     | 519                                   | 180                  |
| 1906-1910.....         | 30,848                                               | 31,296        | 5,552            | 15.1                                | 91,088                                     | 904                                   | 189                  |
| 1911-1915.....         | 40,394                                               | 29,000        | 11,394           | 28.2                                | 103,739                                    | 897                                   | 98                   |
| 1916-1920.....         | 52,429                                               | 27,733        | 24,696           | 47.1                                | 320,799                                    | 1,182                                 | 34                   |
| 1921-1925.....         | 42,985                                               | 11,026        | 31,959           | 74.4                                | 251,987                                    | 734                                   | 89                   |
| 1926-1930.....         | 53,724                                               | 6,687         | 47,037           | 87.6                                | 262,212                                    | 1,027                                 | 171                  |
| 1931-1935.....         | 29,966                                               | 927           | 29,038           | 96.9                                | 146,035                                    | 716                                   | 171                  |
| 1919.....              | 44,181                                               | 19,043        | 25,138           | 56.9                                | 268,340                                    | 717                                   | 16                   |
| 1920.....              | 51,345                                               | 20,511        | 30,834           | 60.0                                | 476,981                                    | 920                                   | 41                   |
| 1921.....              | 25,288                                               | 5,538         | 19,750           | 78.1                                | 147,673                                    | 307                                   | 31                   |
| 1922.....              | 37,124                                               | 8,573         | 28,551           | 76.9                                | 238,313                                    | 512                                   | 94                   |
| 1923.....              | 50,978                                               | 19,380        | 31,598           | 66.0                                | 373,497                                    | 1,237                                 | 85                   |
| 1924.....              | 44,270                                               | 10,286        | 33,984           | 76.8                                | 244,042                                    | 660                                   | 83                   |
| 1925.....              | 51,207                                               | 11,355        | 39,812           | 77.9                                | 282,559                                    | 954                                   | 202                  |
| 1926.....              | 50,866                                               | 12,489        | 44,377           | 78.0                                | 307,773                                    | 987                                   | 255                  |
| 1927.....              | 51,092                                               | 7,207         | 43,885           | 85.9                                | 262,321                                    | 807                                   | 199                  |
| 1928.....              | 52,806                                               | 4,493         | 48,313           | 91.5                                | 252,834                                    | 1,098                                 | 148                  |
| 1929.....              | 59,884                                               | 6,472         | 53,412           | 89.2                                | 278,995                                    | 1,238                                 | 120                  |
| 1930.....              | 47,972                                               | 2,776         | 45,196           | 94.2                                | 209,137                                    | 1,004                                 | 133                  |
| 1931.....              | 33,484                                               | 1,128         | 32,356           | 96.5                                | 161,009                                    | 754                                   | 100                  |
| 1932.....              | 21,789                                               | 552           | 21,137           | 97.0                                | 104,337                                    | 630                                   | 117                  |
| 1933.....              | 27,589                                               | 911           | 26,678           | 96.7                                | 122,951                                    | 638                                   | 161                  |
| 1934.....              | 31,822                                               | 1,029         | 30,793           | 98.8                                | 159,426                                    | 943                                   | 161                  |
| 1935.....              | 35,141                                               | 917           | 34,224           | 97.4                                | 176,853                                    | 614                                   | 317                  |

<sup>1</sup> Imports entered for consumption.

## No. 737.—COKE: BY-PRODUCT AND BEEHIVE PRODUCTION, BY STATES

[Figures in thousands of short tons (2,000 pounds)]

|                       | 1915             | 1920             | 1925             | 1930   | 1931             | 1932   | 1933             | 1934   | 1935   |
|-----------------------|------------------|------------------|------------------|--------|------------------|--------|------------------|--------|--------|
| <b>BY-PRODUCT</b>     |                  |                  |                  |        |                  |        |                  |        |        |
| Total.....            | 14,073           | 30,834           | 39,912           | 45,196 | 32,356           | 21,137 | 26,678           | 30,793 | 34,224 |
| Alabama.....          | 2,070            | 3,124            | 4,582            | 3,987  | 2,943            | 1,401  | 1,069            | 2,109  | 1,894  |
| Colorado.....         | —                | 617              | 490              | 379    | 226              | 92     | 140              | 171    | 207    |
| Illinois.....         | 1,687            | 2,137            | 3,012            | 3,576  | 2,479            | 1,428  | 1,601            | 1,650  | 1,669  |
| Indiana.....          | 2,768            | 4,654            | 5,142            | 4,984  | 2,757            | 1,435  | 2,089            | 2,613  | 3,785  |
| Maryland.....         | 313              | 682              | 1,019            | 1,189  | 818              | 500    | 702              | 785    | 930    |
| Massachusetts.....    | 504              | 488              | 535              | 893    | 1,150            | 987    | 1,020            | 1,128  | 1,006  |
| Michigan.....         | ( <sup>1</sup> ) | 1,393            | 1,751            | 2,604  | 2,437            | 2,165  | 2,341            | 2,548  | 2,482  |
| Minnesota.....        | 128              | 675              | 518              | 641    | 440              | 386    | 412              | 417    | 430    |
| New Jersey.....       | 269              | 726              | 904              | 919    | 931              | 806    | 835              | 910    | 917    |
| New York.....         | 684              | 1,040            | 2,220            | 3,850  | 3,578            | 3,130  | 3,427            | 4,090  | 4,099  |
| Ohio.....             | 666              | 5,615            | 7,105            | 6,163  | 3,933            | 2,347  | 3,677            | 4,296  | 5,101  |
| Pennsylvania.....     | 3,092            | 7,730            | 9,853            | 12,529 | 7,525            | 4,038  | 6,170            | 6,834  | 8,078  |
| West Virginia.....    | 141              | 447              | 1,056            | 1,479  | 1,265            | 903    | 1,074            | 1,244  | 1,604  |
| All other States..... | 1,749            | 1,706            | 1,725            | 2,051  | 1,873            | 1,520  | 1,621            | 1,897  | 1,939  |
| <b>BEEHIVE</b>        |                  |                  |                  |        |                  |        |                  |        |        |
| Total.....            | 27,508           | 20,511           | 11,355           | 2,776  | 1,128            | 652    | 911              | 1,029  | 917    |
| Pennsylvania.....     | 22,531           | 15,908           | 9,574            | 2,011  | 856              | 506    | 670              | 721    | 564    |
| Ohio.....             | 19               | 87               | 159              | —      | —                | —      | —                | —      | —      |
| West Virginia.....    | 1,250            | 1,381            | 490              | 422    | 114              | 49     | 113              | 172    | 155    |
| Alabama.....          | 1,001            | 890              | 88               | —      | —                | —      | —                | —      | —      |
| Kentucky.....         | 285              | 273              | ( <sup>1</sup> ) | —      | —                | —      | —                | —      | —      |
| Tennessee.....        | 234              | 163              | 128              | 25     | 17               | 11     | 12               | 6      | 3      |
| Virginia.....         | 630              | 1,028            | 422              | 220    | 99               | 55     | 70               | 78     | 138    |
| Colorado.....         | 671              | 273              | 155              | 79     | ( <sup>1</sup> ) | 24     | 35               | 38     | 49     |
| Utah.....             | ( <sup>1</sup> ) | ( <sup>1</sup> ) | 146              | 7      | ( <sup>1</sup> ) | 6      | 10               | 13     | 6      |
| All other States..... | 887              | 509              | 196              | 12     | 43               | 1      | ( <sup>1</sup> ) | 2      | 2      |

<sup>1</sup> Included under "all other States."<sup>1</sup> Less than 500 tons.

Source of tables 736 and 737: Bureau of Mines, Department of the Interior.

## No. 738.—COAL PRODUCTION: QUANTITY AND VALUE

NOTE.—Quantities in thousands of short tons (2,000 pounds); values in thousands of dollars. Includes coal consumed at mines. Figures for anthracite relate to Pennsylvania output only; those for bituminous relate to continental United States and Alaska. Bituminous coal includes brown coal and small amounts of anthracite outside of Pennsylvania. Comparatively little coal is held in stock at the mines

| Year or yearly average     | Quantity |            |            | Year                  | Quantity |            |            | Value      |            |
|----------------------------|----------|------------|------------|-----------------------|----------|------------|------------|------------|------------|
|                            | Total    | Anthracite | Bituminous |                       | Total    | Anthracite | Bituminous | Anthracite | Bituminous |
| 1821-1830.....             | 140      | 68         | 75         | 1913...               | 569,960  | 91,525     | 478,435    | 195,181    | 565,235    |
| 1831-1840.....             | 1,032    | 722        | 310        | 1914....              | 513,525  | 90,822     | 422,704    | 188,181    | 493,309    |
| 1841-1850.....             | 4,535    | 2,697      | 1,837      | 1915....              | 531,019  | 88,905     | 442,624    | 184,653    | 502,038    |
| 1851-1860.....             | 12,513   | 7,645      | 4,868      | 1916....              | 590,098  | 87,578     | 502,520    | 202,010    | 665,116    |
| 1861-1865.....             | 20,538   | 11,142     | 9,396      | 1917....              | 661,042  | 99,612     | 561,791    | 283,651    | 1,249,273  |
| 1866-1870.....             | 31,700   | 10,281     | 15,425     | 1918....              | 678,212  | 98,826     | 579,386    | 336,480    | 1,491,810  |
| 1871-1875.....             | 52,179   | 23,407     | 28,773     | 1919 <sup>1</sup> ... | 653,952  | 88,922     | 465,800    | 304,927    | 1,180,010  |
| 1876-1880.....             | 62,261   | 25,800     | 36,461     | 1920....              | 658,265  | 89,598     | 568,007    | 134,252    | 2,120,033  |
| 1881-1885.....             | 107,291  | 36,188     | 71,093     | 1921 <sup>1</sup> ... | 506,395  | 90,473     | 415,922    | 452,305    | 1,199,984  |
| 1886-1890.....             | 138,398  | 43,952     | 94,446     | 1922....              | 476,061  | 54,683     | 422,268    | 273,700    | 1,274,820  |
| 1891-1895.....             | 178,822  | 53,405     | 125,416    | 1923....              | 657,904  | 93,339     | 564,565    | 506,787    | 1,514,621  |
| 1896-1900.....             | 227,123  | 55,025     | 171,498    | 1924 <sup>1</sup> ... | 671,613  | 87,927     | 483,687    | 477,231    | 1,062,626  |
| 1901-1905.....             | 339,357  | 66,854     | 272,503    | 1925 <sup>1</sup> ... | 581,870  | 61,817     | 520,053    | 327,035    | 1,060,402  |
| 1906-1910.....             | 454,555  | 81,142     | 373,413    | 1926 <sup>1</sup> ... | 657,804  | 84,437     | 573,367    | 474,164    | 1,183,417  |
| 1911-1915.....             | 520,189  | 89,233     | 430,955    | 1927 <sup>1</sup> ... | 507,859  | 80,096     | 517,703    | 420,942    | 1,029,652  |
| 1916-1920.....             | 628,386  | 92,741     | 535,645    | 1928 <sup>1</sup> ... | 576,093  | 75,348     | 500,745    | 393,638    | 933,774    |
| 1921-1925.....             | 558,047  | 77,648     | 481,299    | 1929 <sup>1</sup> ... | 608,817  | 73,828     | 534,989    | 385,643    | 952,781    |
| 1926-1930 <sup>1</sup> ... | 595,497  | 76,610     | 518,878    | 1930 <sup>1</sup> ... | 536,911  | 69,385     | 467,526    | 354,474    | 795,483    |
| 1903.....                  | 415,843  | 83,269     | 332,574    | 1931 <sup>1</sup> ... | 441,735  | 50,646     | 382,089    | 290,355    | 588,895    |
| 1900.....                  | 460,815  | 81,070     | 379,744    | 1932 <sup>1</sup> ... | 350,565  | 40,855     | 309,710    | 222,375    | 406,677    |
| 1910.....                  | 501,596  | 84,485     | 417,111    | 1933 <sup>1</sup> ... | 353,172  | 49,541     | 303,631    | 206,718    | 445,788    |
| 1911.....                  | 496,371  | 90,404     | 405,967    | 1934 <sup>1</sup> ... | 416,536  | 57,168     | 359,368    | 244,152    | 628,112    |
| 1912.....                  | 534,467  | 84,382     | 450,105    | 1935 <sup>1</sup> ... | 420,327  | 51,093     | 369,324    | 207,600    | 699,000    |

| State                 | 1911-1915 | 1916-1920 | 1921-1925 | 1926-1930 <sup>1</sup> | 1931 <sup>1</sup> | 1932 <sup>1</sup> | 1933 <sup>1</sup> | 1934 <sup>1</sup> | 1935 <sup>1</sup> |
|-----------------------|-----------|-----------|-----------|------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Total quantity..      | 529,189   | 628,386   | 558,947   | 595,497                | 441,735           | 359,565           | 383,172           | 416,536           | 420,327           |
| Anthracite (Pa.)..... | 80,233    | 92,741    | 77,648    | 76,610                 | 69,046            | 40,855            | 49,541            | 57,168            | 51,093            |
| Bituminous.....       | 449,956   | 535,645   | 481,299   | 518,878                | 382,089           | 309,710           | 333,631           | 359,368           | 369,324           |
| Alabama.....          | 15,854    | 17,834    | 18,097    | 18,380                 | 11,999            | 7,856             | 8,760             | 9,142             | 8,412             |
| Arkansas.....         | 1,986     | 1,980     | 1,201     | 1,679                  | 1,154             | 1,035             | 883               | 856               | (*)               |
| Colorado.....         | 9,493     | 11,595    | 10,049    | 9,665                  | 6,604             | 5,599             | 5,230             | 5,211             | 5,872             |
| Illinois.....         | 58,520    | 78,255    | 68,523    | 57,310                 | 44,303            | 33,475            | 37,413            | 41,272            | 43,845            |
| Indiana.....          | 16,060    | 25,515    | 21,677    | 18,467                 | 14,205            | 13,324            | 13,761            | 14,794            | 15,440            |
| Iowa.....             | 7,442     | 7,571     | 4,962     | 3,879                  | 3,388             | 3,862             | 3,105             | 3,367             | 3,468             |
| Kansas.....           | 6,811     | 6,560     | 3,827     | 3,215                  | 1,987             | 1,953             | 2,218             | 2,603             | (*)               |
| Kentucky.....         | 18,380    | 30,108    | 43,743    | 61,116                 | 39,964            | 35,300            | 36,100            | 38,525            | 40,478            |
| Maryland.....         | 4,549     | 4,158     | 2,933     | 2,700                  | 2,006             | 1,429             | 1,631             | 1,627             | 1,659             |
| Michigan.....         | 1,271     | 1,301     | 976       | 705                    | 359               | 446               | 407               | 622               | 559               |
| Missouri.....         | 4,048     | 5,080     | 3,011     | 3,538                  | 3,621             | 4,070             | 3,432             | 3,352             | 4,610             |
| Montana.....          | 2,972     | 4,008     | 2,881     | 3,139                  | 2,378             | 2,125             | 2,152             | 2,566             | 2,990             |
| New Mexico.....       | 3,618     | 3,728     | 2,772     | 2,612                  | 1,653             | 1,263             | 1,226             | 1,259             | 1,382             |
| North Dakota.....     | 5,606     | 787       | 1,221     | 1,022                  | 1,519             | 1,740             | 1,782             | 1,754             | 1,916             |
| Ohio.....             | 28,653    | 40,699    | 31,590    | 21,111                 | 20,411            | 13,909            | 19,589            | 20,691            | 20,310            |
| Oklahoma.....         | 3,720     | 4,292     | 2,741     | 3,346                  | 1,908             | 1,255             | 1,238             | 1,208             | 2,570             |
| Pennsylvania.....     | 157,229   | 168,532   | 133,721   | 137,038                | 97,659            | 74,776            | 79,296            | 89,826            | 90,795            |
| Tennessee.....        | 6,288     | 6,208     | 5,078     | 6,544                  | 4,721             | 3,533             | 3,775             | 4,139             | 4,110             |
| Texas.....            | 2,201     | 1,980     | 1,084     | 1,107                  | 716               | 637               | 622               | 759               | 760               |
| Utah.....             | 2,999     | 4,693     | 4,593     | 4,683                  | 3,350             | 2,852             | 2,675             | 2,406             | 2,985             |
| Virginia.....         | 7,924     | 10,158    | 10,648    | 12,521                 | 9,699             | 7,692             | 8,179             | 9,377             | 9,915             |
| Washington.....       | 3,281     | 3,576     | 2,626     | 2,513                  | 1,846             | 1,591             | 1,394             | 1,383             | 1,575             |
| West Virginia.....    | 69,353    | 86,369    | 97,044    | 136,316                | 101,473           | 85,009            | 94,344            | 98,134            | 98,689            |
| Wyoming.....          | 6,907     | 8,555     | 6,512     | 6,529                  | 4,994             | 4,171             | 4,013             | 4,368             | 5,150             |
| Miscellaneous.....    | 259       | 190       | 239       | 246                    | 182               | 204               | 217               | 224               | 164               |

<sup>1</sup> Exclusive of product of wagon mines.

<sup>2</sup> Preliminary.

<sup>3</sup> Arkansas included with Oklahoma.

<sup>4</sup> Kansas included with Missouri.

<sup>5</sup> Includes South Dakota.

Source: Bureau of Mines, Department of the Interior.

# No. 739.—COAL: EXPORTS, IMPORTS, AND BUNKER COAL LADEN ON VESSELS IN FOREIGN TRADE

[Quantities in thousands of long tons (2,240 pounds); values in thousands of dollars]

| Yearly average or year | Total exports <sup>1</sup> |         | Anthracite exports |        | Bituminous exports <sup>1</sup> |         | Total imports |        | Bunker coal |        |
|------------------------|----------------------------|---------|--------------------|--------|---------------------------------|---------|---------------|--------|-------------|--------|
|                        | Quantity                   | Value   | Quantity           | Value  | Quantity                        | Value   | Quantity      | Value  | Quantity    | Value  |
| 1891-1895 <sup>2</sup> | 3,028                      | 10,012  | 1,128              | 4,929  | 1,900                           | 5,081   | 1,237         | 3,984  | -----       | -----  |
| 1896-1900 <sup>2</sup> | 4,710                      | 13,300  | 1,469              | 6,288  | 3,241                           | 7,032   | 1,403         | 3,831  | -----       | -----  |
| 1901-1905 <sup>2</sup> | 7,750                      | 24,254  | 1,846              | 8,782  | 5,903                           | 15,472  | 2,287         | 6,379  | -----       | -----  |
| 1906-1910 <sup>2</sup> | 12,018                     | 36,805  | 2,646              | 13,034 | 9,372                           | 23,770  | 1,727         | 4,530  | 5,638       | 18,291 |
| 1911-1915              | 19,132                     | 58,362  | 3,763              | 19,624 | 15,379                          | 38,738  | 1,437         | 4,059  | 7,289       | 23,890 |
| 1916                   | 23,143                     | 68,268  | 4,166              | 22,470 | 18,977                          | 45,828  | 1,536         | 4,784  | 7,826       | 27,492 |
| 1917                   | 26,649                     | 110,413 | 6,364              | 30,910 | 21,285                          | 78,503  | 1,804         | 4,812  | 6,883       | 31,845 |
| 1918                   | 24,892                     | 107,881 | 4,486              | 29,218 | 19,953                          | 78,665  | 1,334         | 6,808  | 6,532       | 29,808 |
| 1919                   | 22,402                     | 120,377 | 4,443              | 36,068 | 17,959                          | 83,709  | 977           | 5,473  | 7,343       | 48,306 |
| 1920                   | 39,215                     | 349,811 | 4,825              | 45,638 | 34,390                          | 304,273 | 1,140         | 6,992  | 9,362       | 82,462 |
| 1921                   | 24,820                     | 168,222 | 4,176              | 45,625 | 20,653                          | 122,597 | 1,131         | 7,457  | 7,548       | 52,278 |
| 1922                   | 13,449                     | 91,242  | 2,366              | 25,351 | 11,083                          | 65,892  | 4,726         | 28,250 | 4,120       | 27,013 |
| 1923                   | 23,700                     | 104,124 | 4,545              | 49,877 | 19,155                          | 104,547 | 1,949         | 12,249 | 4,547       | 31,470 |
| 1924                   | 18,865                     | 111,039 | 3,587              | 40,068 | 15,268                          | 70,971  | 478           | 3,019  | 3,983       | 22,888 |
| 1925                   | 18,429                     | 100,163 | 2,838              | 31,761 | 15,591                          | 68,403  | 879           | 5,846  | 4,344       | 23,398 |
| 1926                   | 35,091                     | 196,905 | 3,598              | 41,086 | 31,493                          | 165,819 | 1,201         | 9,301  | 6,907       | 38,025 |
| 1927                   | 10,051                     | 104,257 | 2,969              | 32,928 | 16,082                          | 71,329  | 597           | 3,284  | 4,076       | 22,077 |
| 1928                   | 17,411                     | 92,121  | 2,979              | 32,657 | 14,438                          | 60,464  | 831           | 4,069  | 3,334       | 20,258 |
| 1929                   | 18,603                     | 98,310  | 3,041              | 32,569 | 15,562                          | 65,742  | 877           | 5,486  | 3,827       | 19,575 |
| 1930                   | 16,455                     | 83,694  | 2,278              | 24,609 | 14,176                          | 59,186  | 818           | 5,525  | 3,122       | 15,097 |
| 1931                   | 12,415                     | 60,457  | 1,588              | 17,062 | 10,827                          | 43,395  | 754           | 5,160  | 1,900       | 9,639  |
| 1932                   | 9,033                      | 41,762  | 1,164              | 12,064 | 7,870                           | 29,688  | 709           | 4,420  | 1,204       | 5,534  |
| 1933                   | 8,992                      | 37,611  | 924                | 9,040  | 8,069                           | 28,572  | 584           | 3,432  | 1,175       | 5,241  |
| 1934                   | 10,803                     | 51,404  | 1,159              | 11,082 | 9,704                           | 40,382  | 587           | 4,190  | 1,179       | 5,798  |
| 1935                   | 10,135                     | 48,424  | 1,436              | 13,186 | 8,699                           | 35,238  | 708           | 4,350  | 1,407       | 7,838  |

<sup>1</sup> Does not include fuel or bunker coal laden on vessels engaged in the foreign trade.

<sup>2</sup> Fiscal years ended June 30. <sup>3</sup> Average for period July 1, 1905, to Dec. 31, 1910.

<sup>4</sup> Figures do not include coal laden on vessels on the Great Lakes in 1906, 1907, and 1908.

<sup>5</sup> Imports for consumption; general imports prior to 1933.

# No. 740.—COAL: SHIPMENTS, AVERAGE VALUE PER TON, AND MEN EMPLOYED

| Calendar year | Thousand tons (2,000 pounds) |              |               |                         | Average value per ton | Average number of men employed | Average number of days worked | Average tonnage per man— |          | Per cent mined by machine | Capacity of mines <sup>1</sup> (million tons <sup>2</sup> ) |
|---------------|------------------------------|--------------|---------------|-------------------------|-----------------------|--------------------------------|-------------------------------|--------------------------|----------|---------------------------|-------------------------------------------------------------|
|               | Loaded for shipment          | Sold locally | Used by mines | Made into coke at mines |                       |                                |                               | Per day                  | Per year |                           |                                                             |
| ANTHRACITE    |                              |              |               |                         |                       |                                |                               |                          |          |                           |                                                             |
| 1890.....     | 41,011                       | 2,001        | 3,457         | -----                   | \$1.43                | 126,000                        | 200                           | 1.85                     | 369      | ( <sup>3</sup> )          | 71                                                          |
| 1895.....     | 52,093                       | 1,315        | 4,591         | -----                   | 1.41                  | 142,917                        | 196                           | 2.07                     | 408      | ( <sup>3</sup> )          | 90                                                          |
| 1900.....     | 50,710                       | 1,208        | 5,550         | -----                   | 1.49                  | 144,206                        | 166                           | 2.40                     | 398      | ( <sup>3</sup> )          | 105                                                         |
| 1905.....     | 69,063                       | 1,571        | 7,036         | -----                   | 1.83                  | 165,408                        | 215                           | 2.18                     | 470      | ( <sup>3</sup> )          | 110                                                         |
| 1910.....     | 73,623                       | 2,021        | 8,841         | -----                   | 1.90                  | 169,497                        | 229                           | 2.17                     | 498      | ( <sup>3</sup> )          | 112                                                         |
| 1915.....     | 76,906                       | 2,092        | 9,997         | -----                   | 2.07                  | 176,552                        | 230                           | 2.19                     | 504      | 1.5                       | 118                                                         |
| 1920.....     | 76,844                       | 2,897        | 9,858         | -----                   | 4.85                  | 145,074                        | 271                           | 2.28                     | 618      | 1.1                       | 101                                                         |
| 1925.....     | 63,708                       | 2,885        | 5,104         | -----                   | 5.30                  | 160,312                        | 182                           | 2.12                     | 386      | 1.6                       | 103                                                         |
| 1930.....     | 61,202                       | 3,144        | 5,038         | -----                   | 5.11                  | 150,804                        | 208                           | 2.21                     | 460      | 2.0                       | 90                                                          |
| 1932.....     | 43,862                       | 2,810        | 3,153         | -----                   | 4.46                  | 121,243                        | 182                           | 2.54                     | 411      | 3.4                       | 94                                                          |
| 1933.....     | 43,335                       | 3,250        | 2,956         | -----                   | 4.17                  | 104,633                        | 182                           | 2.60                     | 473      | 3.3                       | 83                                                          |
| 1934.....     | 50,756                       | 3,286        | 3,126         | -----                   | 4.27                  | 109,050                        | 207                           | 2.53                     | 524      | 3.5                       | 84                                                          |
| BITUMINOUS    |                              |              |               |                         |                       |                                |                               |                          |          |                           |                                                             |
| 1890.....     | 87,373                       | 7,008        | 1,607         | 15,332                  | .99                   | 192,204                        | 226                           | 2.56                     | 579      | 4.3                       | 151                                                         |
| 1895.....     | 105,287                      | 8,340        | 2,086         | 18,404                  | .86                   | 239,982                        | 194                           | 2.90                     | 563      | 11.9                      | 216                                                         |
| 1900.....     | 173,072                      | 7,868        | 3,740         | 27,635                  | 1.04                  | 304,375                        | 234                           | 2.98                     | 697      | 24.9                      | 281                                                         |
| 1905.....     | 255,201                      | 10,639       | 7,007         | 42,412                  | 1.06                  | 460,629                        | 211                           | 3.24                     | 684      | 32.8                      | 450                                                         |
| 1910.....     | 342,969                      | 12,287       | 9,868         | 52,187                  | 1.12                  | 555,533                        | 217                           | 3.45                     | 751      | 41.7                      | 592                                                         |
| 1915.....     | 370,877                      | 12,354       | 9,799         | 40,595                  | 1.13                  | 557,456                        | 208                           | 3.91                     | 794      | 55.0                      | 671                                                         |
| 1920.....     | 504,873                      | 21,389       | 11,806        | 30,608                  | 3.75                  | 639,547                        | 220                           | 4.00                     | 881      | 59.8                      | 798                                                         |
| 1925.....     | 477,173                      | 21,351       | 5,776         | 15,753                  | 2.04                  | 588,493                        | 195                           | 4.52                     | 884      | 70.6                      | 823                                                         |
| 1930.....     | 437,399                      | 22,121       | 3,993         | 4,014                   | 1.70                  | 493,202                        | 187                           | 5.06                     | 948      | 77.5                      | 770                                                         |
| 1932.....     | 285,508                      | 20,393       | 2,781         | 1,028                   | 1.31                  | 406,380                        | 146                           | 5.22                     | 762      | 78.8                      | 653                                                         |
| 1933.....     | 306,280                      | 23,052       | 2,858         | 1,441                   | 1.34                  | 418,703                        | 167                           | 4.78                     | 797      | 80.0                      | 515                                                         |
| 1934.....     | 328,432                      | 26,113       | 3,175         | 1,648                   | 1.75                  | 458,011                        | 178                           | 4.40                     | 785      | 79.2                      | 622                                                         |

<sup>1</sup> Calculated at 303.5 working-days in the anthracite field and 308 working-days in the bituminous field.

<sup>2</sup> Of 2,000 pounds.

<sup>3</sup> Not available.

<sup>4</sup> 1891.

<sup>5</sup> 1896.

Sources: Table 397, Bureau of Foreign and Domestic Commerce; table 740, Bureau of Mines, Department of the Interior.

## No. 741.—CONSUMPTION OF BITUMINOUS COAL: By CONSUMING CLASSES

|                                                      | 1889  | 1899  | 1909  | 1919  | 1929  | 1932  | 1933  | 1934  | 1935 <sup>1</sup> |
|------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|
| Consumption (million net tons of 2,000 lbs.), total. | 96.8  | 190.3 | 370.3 | 481.7 | 519.6 | 306.9 | 321.7 | 347.0 | 357.2             |
| Colliery fuel.....                                   | 1.4   | 3.1   | 9.5   | 11.1  | 4.7   | 2.8   | 2.9   | 3.2   | 3.3               |
| Locomotive fuel, all steam roads.....                | 26.5  | 53.4  | 106.0 | 124.7 | 118.6 | 266.5 | 266.2 | 270.5 | 271.0             |
| Bunkers, vessels in foreign trade.....               | 1.9   | 3.8   | 8.8   | 8.2   | 4.3   | 1.4   | 1.3   | 1.3   | 1.6               |
| Coke ovens, beehive and by-product.....              | 16.0  | 30.2  | 59.4  | 65.0  | 86.8  | 31.9  | 40.1  | 46.0  | 51.0              |
| Electric public utilities <sup>2</sup> .....         | ..... | 7.6   | 18.7  | 35.1  | 44.9  | 30.3  | 30.6  | 33.6  | 34.8              |
| All other uses <sup>3</sup> .....                    | 50.0  | 52.2  | 169.0 | 237.0 | 260.3 | 174.1 | 180.7 | 192.5 | 195.6             |
| Per cent of total consumption.....                   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0             |
| Colliery fuel.....                                   | 1.5   | 1.6   | 2.6   | 2.3   | .9    | .9    | .9    | .9    | .9                |
| Locomotive fuel, all steam roads.....                | 27.7  | 28.1  | 28.6  | 25.9  | 22.8  | 21.7  | 22.0  | 20.3  | 19.9              |
| Bunkers, vessels in foreign trade.....               | 2.0   | 2.0   | 1.9   | 1.7   | 8     | 4     | 4     | 4     | 4                 |
| Coke ovens, beehive and by-product.....              | 16.7  | 15.9  | 16.0  | 13.6  | 16.7  | 10.4  | 12.4  | 13.2  | 14.3              |
| Electric public utilities.....                       | ..... | 4.0   | 5.0   | 7.3   | 8.6   | 9.9   | 9.5   | 9.7   | 9.7               |
| All other uses.....                                  | 52.1  | 48.4  | 45.9  | 49.2  | 50.2  | 56.7  | 50.2  | 55.5  | 54.8              |

<sup>1</sup> Preliminary data.<sup>2</sup> Class I roads.<sup>3</sup> Includes electric central stations and street railways and certain minor plants. Figures include a small amount of anthracite consumed. Data not available for 1889.<sup>4</sup> Obtained by subtracting known items from total consumption. Includes general manufacturing, domestic, and miscellaneous uses.

Source: Bureau of Mines, Department of the Interior (data were assembled from various original sources).

## No. 742.—LABOR STRIKES IN COAL MINES

| Year      | Men on strike | Man-days lost | Average days lost per man | Year                    | Men on strike | Man-days lost | Average days lost per man |
|-----------|---------------|---------------|---------------------------|-------------------------|---------------|---------------|---------------------------|
| 1911..... | 41,413        | 983,737       | 24                        | 1923.....               | 197,214       | 3,868,543     | 20                        |
| 1912..... | 311,056       | 12,527,305    | 40                        | 1924.....               | 129,452       | 5,302,748     | 41                        |
| 1913..... | 135,395       | 3,049,412     | 23                        | 1925.....               | 186,369       | 10,433,036    | 58                        |
| 1914..... | 161,720       | 11,013,607    | 68                        | 1926.....               | 174,724       | 6,707,778     | 38                        |
| 1915..... | 67,190        | 2,467,431     | 37                        | 1927 <sup>1</sup> ..... | 103,322       | 26,673,109    | 188                       |
| 1916..... | 170,633       | 3,344,586     | 20                        | 1928.....               | 86,870        | 4,606,086     | 53                        |
| 1917..... | 180,240       | 2,348,399     | 15                        | 1929.....               | 58,052        | 468,453       | 8                         |
| 1918..... | 79,395        | 508,526       | 6                         | 1930.....               | 41,000        | 1,102,758     | 27                        |
| 1919..... | 453,418       | 15,761,410    | 35                        | 1931.....               | 110,665       | 2,127,984     | 19                        |
| 1920..... | 282,419       | 5,914,473     | 21                        | 1932.....               | 97,126        | 7,841,991     | 81                        |
| 1921..... | 151,263       | 3,106,103     | 21                        | 1933.....               | 176,451       | 4,413,304     | 25                        |
| 1922..... | 603,031       | 73,497,043    | 122                       | 1934.....               | 131,072       | 2,155,953     | 16                        |

| State                 | 1931          |               | 1932          |               | 1933          |               | 1934          |               |
|-----------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                       | Men on strike | Man-days lost | Men on strike | Man-days lost | Men on strike | Man-days lost | Men on strike | Man-days lost |
| Grand total.....      | 110,665       | 2,127,984     | 97,126        | 7,841,991     | 176,451       | 4,413,304     | 131,072       | 2,155,953     |
| Anthracite (Pa.)..... | 65,907        | 570,604       | 34,259        | 299,523       | 50,948        | 688,692       | 38,994        | 774,566       |
| Total bituminous..... | 44,658        | 1,557,320     | 62,867        | 7,562,468     | 125,503       | 3,724,612     | 92,078        | 1,381,097     |
| Arkansas.....         | 860           | 21,153        | 1,064         | 103,522       | 1,225         | 8,241         | 79            | 948           |
| Illinois.....         | 9,406         | 397,263       | 32,961        | 4,397,006     | 3,187         | 130,197       | 2,680         | 47,639        |
| Indiana.....          | 333           | 14,181        | 3,820         | 507,051       | 3,151         | 48,210        | 90            | 300           |
| Iowa.....             | 824           | 24,500        | 389           | 7,503         | 4,462         | 186,753       | 3,007         | 38,600        |
| Kentucky.....         | 2,920         | 50,240        | 721           | 30,725        | 5,302         | 69,037        | 5,605         | 82,723        |
| Michigan.....         | 597           | 26,185        | .....         | .....         | 552           | 62,990        | .....         | .....         |
| Missouri.....         | 679           | 34,671        | 301           | 48,500        | 463           | 8,040         | 1,029         | 76,806        |
| Montana.....          | .....         | .....         | 748           | 28,100        | .....         | .....         | .....         | .....         |
| Ohio.....             | 5,591         | 138,155       | 15,290        | 2,130,202     | 3,647         | 45,942        | 4,062         | 44,408        |
| Oklahoma.....         | 501           | 10,812        | 970           | 49,903        | 219           | 1,296         | 156           | 8,118         |
| Pennsylvania.....     | 12,785        | 393,632       | 2,021         | 113,896       | 80,832        | 2,890,545     | 27,359        | 309,905       |
| Tennessee.....        | 1,133         | 28,767        | 550           | 35,967        | 375           | 10,125        | 500           | 9,360         |
| Virginia.....         | .....         | .....         | 140           | 140           | 3,226         | 56,442        | 3,701         | 30,783        |
| Washington.....       | .....         | .....         | 958           | 42,266        | 894           | 87,270        | 877           | 17,800        |
| West Virginia.....    | 8,441         | 393,888       | 1,510         | 44,307        | 8,723         | 50,929        | 27,539        | 338,272       |
| Other States.....     | 46            | 578           | 524           | 16,400        | 3,235         | 64,585        | 15,334        | 395,135       |

<sup>1</sup> Owing to unusual conditions, figures tend to understate extent of the strike and number of idle miners.<sup>2</sup> Not including men idle through labor factional trouble due to jurisdictional claims of a rival union.

Source: Bureau of Mines, Department of the Interior.

## No. 743.—COAL: RETAIL PRICES, FOR HOUSEHOLD USE, AS OF JANUARY 15

[Prices (in dollars) of coal per ton of 2,000 pounds unless otherwise specified]

| City                  | Anthracite, <sup>1</sup> chestnut |       |       |       |       | Bituminous |       |       |       |       |       |
|-----------------------|-----------------------------------|-------|-------|-------|-------|------------|-------|-------|-------|-------|-------|
|                       | 1925                              | 1930  | 1934  | 1935  | 1936  | 1925       | 1930  | 1933  | 1934  | 1935  | 1936  |
| Atlanta, Ga.          |                                   |       |       |       |       | 7.32       | 7.80  | 6.12  | 7.02  | 7.02  | 7.38  |
| Baltimore, Md.        | 15.75                             | 13.75 | 13.00 | 11.54 | 11.50 | 7.38       | 7.89  | 6.85  | 7.64  | 7.17  | 7.29  |
| Birmingham, Ala.      |                                   |       |       |       |       | 7.79       | 7.65  | 5.07  | 6.07  | 6.29  | 6.36  |
| Boston, Mass.         | 16.00                             | 15.50 | 13.50 | 13.50 | 12.90 |            |       |       |       |       |       |
| Bridgeport, Conn.     | 15.38                             | 15.50 | 13.75 | 13.17 | 13.00 |            |       |       |       |       |       |
| Buffalo, N. Y.        | 13.56                             | 13.32 | 12.64 | 12.65 | 12.75 |            |       |       |       |       |       |
| Butte, Mont.          |                                   |       |       |       |       | 11.05      | 11.15 | 9.72  | 9.75  | 9.76  | 10.00 |
| Charleston, S. C.     | 17.10                             |       |       |       |       | 12.00      | 9.67  | 8.67  | 9.92  | 10.00 | 9.33  |
| Chicago, Ill.         | 10.70                             | 18.40 | 13.79 | 13.81 | 13.79 | 8.51       | 8.53  | 7.25  | 8.21  | 8.32  | 8.59  |
| Cincinnati, Ohio.     |                                   |       |       |       |       | 7.21       | 6.30  | 5.25  | 6.10  | 6.06  | 6.26  |
| Cleveland, Ohio.      | 14.88                             | 14.75 | 12.13 | 12.29 | 13.13 | 8.37       | 7.10  | 5.52  | 6.20  | 6.77  | 6.66  |
| Columbus, Ohio.       |                                   |       |       |       |       | 6.68       | 6.07  | 4.92  | 6.11  | 6.41  | 6.18  |
| Dallas, Tex.          | 17.75                             | 15.50 | 14.00 | 13.50 | 13.00 | 14.22      | 12.92 | 10.75 | 10.50 | 10.25 | 10.29 |
| Denver, Colo.         | 10.33                             | 14.75 | 15.58 | 15.50 | 15.81 | 9.47       | 10.45 | 7.02  | 8.03  | 7.75  | 7.69  |
| Detroit, Mich.        | 15.38                             | 15.50 | 12.45 | 12.19 | 12.45 | 8.93       | 8.39  | 5.80  | 6.86  | 7.17  | 7.36  |
| Fall River, Mass.     | 15.33                             | 16.25 | 14.25 | 14.25 | 13.50 |            |       |       |       |       |       |
| Houston, Tex.         |                                   |       | 14.50 | 14.50 | 14.33 | 12.38      | 13.60 | 10.50 | 11.60 | 11.75 | 11.71 |
| Indianapolis, Ind.    | 16.50                             |       |       |       |       | 7.15       | 6.01  | 5.05  | 6.99  | 6.17  | 5.76  |
| Jacksonville, Fla.    |                                   |       |       |       |       | 12.00      | 14.00 | 9.00  | 11.13 | 11.13 | 11.13 |
| Kansas City, Mo.      | 15.17                             | 12.55 | 10.50 | 10.50 | 10.74 | 8.13       | 7.18  | 5.61  | 5.85  | 6.03  | 5.85  |
| Little Rock, Ark.     | 16.00                             | 13.50 | 10.50 | 10.50 | 10.00 | 11.00      | 9.95  | 8.22  | 8.33  | 8.17  | 8.41  |
| Los Angeles, Calif.   |                                   |       |       |       |       | 13.31      | 15.50 | 15.25 | 17.04 | 16.78 | 16.74 |
| Louisville, Ky.       |                                   |       |       |       |       | 7.37       | 7.01  | 4.64  | 5.46  | 6.15  | 5.66  |
| Manchester, N. H.     | 17.00                             | 17.00 | 15.00 | 15.50 | 14.83 |            |       |       |       |       |       |
| Memphis, Tenn.        |                                   |       |       |       |       | 8.11       | 7.85  | 5.58  | 7.18  | 7.19  | 7.43  |
| Minneapolis, Minn.    | 16.65                             | 15.85 | 13.00 | 13.30 | 14.00 | 9.69       | 7.68  | 6.94  | 7.51  | 7.98  | 8.43  |
| Mobile, Ala.          | 17.95                             | 17.85 | 15.25 | 15.55 | 15.95 | 10.92      | 10.56 | 9.56  | 9.93  | 10.30 | 10.68 |
| Newark, N. J.         | 13.43                             | 13.46 | 12.50 | 11.40 | 11.40 | 10.02      | 9.63  | 7.32  | 8.44  | 9.01  | 8.99  |
| New Haven, Conn.      | 15.20                             | 15.17 | 13.90 | 13.65 | 13.15 |            |       |       |       |       |       |
| New Orleans, La.      |                                   |       |       |       |       | 11.19      | 10.96 | 8.57  | 10.10 | 10.60 | 10.60 |
| New York, N. Y.       | 14.33                             | 14.13 | 12.35 | 12.14 | 11.99 |            |       |       |       |       |       |
| Norfolk, Va.          | 15.50                             | 14.00 | 14.00 | 13.50 | 13.50 | 9.27       | 7.25  | 6.50  | 8.00  | 8.00  | 7.63  |
| Omaha, Nebr.          |                                   |       |       |       |       | 10.04      | 9.69  | 8.35  | 8.59  | 8.55  | 8.62  |
| Peoria, Ill.          |                                   |       |       |       |       | 6.79       | 6.75  | 6.09  | 6.55  | 7.00  | 7.24  |
| Philadelphia, Pa.     | 15.32                             | 14.50 | 12.00 | 10.96 | 10.54 |            |       |       |       |       |       |
| Pittsburgh, Pa.       | 16.50                             | 15.00 | 12.75 | 12.75 | 12.75 | 6.33       | 5.29  | 3.26  | 4.72  | 4.20  | 4.40  |
| Portland, Me.         | 16.55                             | 13.80 | 14.25 | 14.25 | 14.25 |            |       |       |       |       |       |
| Portland, Oreg.       |                                   |       |       |       |       | 13.64      | 13.46 | 11.62 | 12.71 | 11.55 | 11.97 |
| Providence, R. I.     | 16.00                             | 16.00 | 14.50 | 14.50 | 14.50 |            |       |       |       |       |       |
| Richmond, Va.         | 15.50                             | 15.00 | 14.00 | 13.00 | 13.50 | 8.33       | 8.38  | 6.83  | 7.83  | 7.67  | 8.08  |
| Rochester, N. Y.      | 14.15                             | 14.25 | 12.85 | 12.73 | 12.00 |            |       |       |       |       |       |
| St. Louis, Mo.        | 16.88                             | 16.45 | 13.72 | 13.86 | 13.86 | 6.69       | 6.75  | 5.44  | 6.54  | 5.99  | 5.38  |
| St. Paul, Minn.       | 17.95                             | 17.85 | 15.25 | 15.55 | 15.95 | 11.57      | 10.27 | 9.40  | 9.73  | 10.16 | 10.49 |
| Salt Lake City, Utah. | 18.50                             | 18.00 |       |       |       | 8.40       | 8.37  | 7.01  | 7.80  | 7.17  | 7.61  |
| San Francisco, Calif. | 26.50                             | 23.00 | 25.63 | 25.63 | 23.95 | 17.28      | 16.98 | 15.00 | 16.06 | 15.21 | 16.33 |
| Savannah, Ga.         | 17.00                             |       |       |       |       | 11.50      | 10.24 | 8.23  | 10.04 | 10.03 | 9.16  |
| Scranton, Pa.         | 10.62                             | 9.92  | 8.60  | 8.44  | 8.55  |            |       |       |       |       |       |
| Seattle, Wash.        |                                   |       |       |       |       | 10.21      | 10.68 | 9.79  | 9.92  | 9.66  | 10.16 |
| Springfield, Ill.     |                                   |       |       |       |       | 4.25       | 4.34  | 3.68  | 4.06  | 4.54  | 4.35  |
| Washington, D. C.     | 15.67                             | 15.23 | 14.15 | 14.00 | 13.20 | 8.88       | 8.63  | 8.18  | 8.64  | 8.90  | 9.00  |

<sup>1</sup> The term "anthracite" signifies Pennsylvania anthracite, except as indicated by notes.<sup>2</sup> Per ton of 2,240 pounds.<sup>3</sup> Run of mine, high volatile.<sup>4</sup> Prepared sizes, high volatile.<sup>5</sup> Arkansas anthracite, egg or furnace.<sup>6</sup> Colorado anthracite, furnace, 1 and 2 mixed.<sup>7</sup> 50 cents per ton additional is charged for binning.<sup>8</sup> New Mexico anthracite, Cerillos egg.<sup>9</sup> All coal sold is weighed by the city; charge of 10 cents per ton or half-ton is included in the price.

Source: Bureau of Labor Statistics, Department of Labor.

No. 744.—COAL: AVERAGE AND RELATIVE RETAIL PRICES<sup>1</sup> IN TON LOTS

| Year                    | Anthracite, Chestnut |       |                  |      | Anthracite, Stove |       |                  |      | Bituminous      |       |                |      |
|-------------------------|----------------------|-------|------------------|------|-------------------|-------|------------------|------|-----------------|-------|----------------|------|
|                         | Average price        |       | Relative price   |      | Average price     |       | Relative price   |      | Average price   |       | Relative price |      |
|                         | Dollars<br>7.91      |       | 100              |      | Dollars<br>7.73   |       | 100              |      | Dollars<br>6.43 |       | 100            |      |
|                         | Jan.                 | July  | Jan.             | July | Jan.              | July  | Jan.             | July | Jan.            | July  | Jan.           | July |
| 1913 <sup>1</sup> ..... | 12.77                | 14.33 | 161              | 181  | 12.69             | 14.28 | 163              | 185  | 8.81            | 10.55 | 162            | 194  |
| 1920.....               | 15.46                | 15.05 | 195              | 190  | 15.43             | 15.10 | 200              | 196  | 11.18           | 10.04 | 206            | 186  |
| 1921.....               | 15.76                | 15.10 | 199              | 191  | 15.77             | 15.24 | 204              | 197  | 9.75            | 8.94  | 180            | 165  |
| 1922.....               | 16.37                | 14.93 | 194              | 189  | 16.45             | 15.14 | 200              | 196  | 9.24            | 8.61  | 170            | 159  |
| 1923.....               | ( <sup>2</sup> )     | 15.19 | ( <sup>2</sup> ) | 192  | ( <sup>2</sup> )  | 15.43 | ( <sup>2</sup> ) | 200  | 9.74            | 8.70  | 179            | 160  |
| 1924.....               | 16.42                | 14.81 | 195              | 187  | 15.96             | 15.15 | 203              | 196  | 9.96            | 8.91  | 183            | 164  |
| 1925.....               | 15.08                | 14.63 | 191              | 185  | 15.44             | 14.91 | 200              | 193  | 9.30            | 8.69  | 171            | 160  |
| 1926.....               | 15.06                | 14.93 | 190              | 185  | 15.38             | 14.94 | 199              | 193  | 9.09            | 8.62  | 167            | 159  |
| 1927.....               | 15.00                | 14.53 | 190              | 184  | 15.33             | 14.84 | 198              | 192  | 9.11            | 8.65  | 168            | 159  |
| 1928.....               | 14.88                | 14.50 | 188              | 184  | 15.12             | 14.61 | 190              | 189  | 8.87            | 8.09  | 163            | 149  |
| 1929.....               | 14.97                | 13.16 | 189              | 160  | 15.00             | 13.37 | 194              | 173  | 8.17            | 7.50  | 150            | 138  |
| 1930.....               | 13.61                | 12.26 | 172              | 155  | 13.82             | 12.47 | 179              | 161  | 7.40            | 7.64  | 137            | 141  |
| 1931.....               | 13.26                | 12.60 | 167              | 169  | 13.44             | 12.79 | 174              | 168  | 8.24            | 8.23  | 152            | 152  |
| 1932.....               | 13.01                | 11.86 | 164              | 150  | 13.21             | 12.06 | 171              | 160  | 8.37            | 8.12  | 154            | 149  |
| 1933.....               | 12.98                | 12.43 | 164              | 157  | 13.17             | 12.67 | 170              | 163  | 8.58            | 8.13  | 158            | 150  |

<sup>1</sup> Prices represent combined averages for cities shown in table 743.<sup>2</sup> Average of prices for January and July; this is the base for relative prices.<sup>3</sup> Insufficient data.

## No. 745.—NATURAL GAS AND NATURAL GASOLINE

NOTE.—Quantities of gas in millions of cubic feet, of gasoline in thousands of gallons; values in thousands of dollars. Production figures for gas refer only to that marketed, in addition to which considerable quantities are used by producers, and large quantities are wasted or lost. Values given are at the point of consumption. Consumption figures by States differ greatly from production figures by reason of interstate transportation.

| Yearly average or year | Natural gas produced and marketed |         | Natural gasoline |             |         | Year                    | Natural gas produced and marketed |         | Natural gasoline |             |         |
|------------------------|-----------------------------------|---------|------------------|-------------|---------|-------------------------|-----------------------------------|---------|------------------|-------------|---------|
|                        | Quantity                          | Value   | Gas treated      | Pro-duction | Value   |                         | Quantity                          | Value   | Gas treated      | Pro-duction | Value   |
| 1906-1910.....         | 437,057                           | 57,940  |                  |             |         | 1927.....               | 1,445,428                         | 317,930 | 1,341,248        | 1,641,144   | 118,088 |
| 1911-1915.....         | 575,708                           | 88,492  | 11,602           | 30,317      | 2,481   | 1928.....               | 1,598,130                         | 363,726 | 1,473,434        | 1,814,034   | 138,944 |
| 1916-1920.....         | 762,681                           | 154,590 | 412,787          | 263,038     | 48,174  | 1929.....               | 1,917,693                         | 413,276 | 1,959,294        | 2,233,688   | 158,410 |
| 1921-1925.....         | 947,419                           | 229,002 | 820,445          | 702,151     | 82,205  | 1930.....               | 1,943,421                         | 416,090 | 2,088,778        | 2,210,494   | 128,160 |
| 1926-1930.....         | 1,637,540                         | 362,238 | 1,613,811        | 1,852,400   | 136,123 | 1931.....               | 1,686,426                         | 302,816 | 1,700,119        | 1,831,918   | 63,732  |
| 1931-1935.....         | 1,688,724                         | 392,873 | 1,703,502        | 1,888,623   | 60,253  | 1932.....               | 1,556,090                         | 384,632 | 1,499,756        | 1,523,800   | 49,244  |
| 1924.....              | 1,141,521                         | 253,856 | 1,016,276        | 933,861     | 82,233  | 1933.....               | 1,555,474                         | 368,540 | 1,551,464        | 1,420,000   | 64,368  |
| 1925.....              | 1,188,571                         | 265,271 | 1,040,390        | 1,127,470   | 120,383 | 1934.....               | 1,770,721                         | 395,378 | 1,776,172        | 1,535,360   | 60,523  |
| 1926.....              | 1,313,019                         | 300,168 | 1,206,300        | 1,363,060   | 136,412 | 1935 <sup>1</sup> ..... | 1,875,000                         | 423,000 | 1,900,000        | 1,632,036   | 73,400  |

| State                    | Natural gas produced and marketed |                  |           |           |           | Natural gas consumed | Natural gasoline produced |           |                   |
|--------------------------|-----------------------------------|------------------|-----------|-----------|-----------|----------------------|---------------------------|-----------|-------------------|
|                          | 1920                              | 1925             | 1930      | 1933      | 1934      |                      | 1933                      | 1934      | 1935 <sup>1</sup> |
| Total <sup>2</sup> ..... | 768,210                           | 1,188,571        | 1,943,421 | 1,555,474 | 1,770,721 | 1,784,988            | 1,420,000                 | 1,535,360 | 1,632,036         |
| Arkansas.....            | 19,050                            | 41,878           | 18,585    | 8,288     | 7,024     | 25,075               | 15,215                    | 13,033    | 13,191            |
| California.....          | 69,041                            | 187,789          | 334,789   | 259,799   | 268,122   | 268,122              | 496,293                   | 506,272   | 527,420           |
| Illinois.....            | 3,013                             | 4,165            | 2,890     | 1,631     | 1,868     | 45,084               | 3,673                     | 3,810     | ( <sup>3</sup> )  |
| Kansas.....              | 33,140                            | 26,917           | 37,650    | 41,596    | 40,909    | 66,590               | 24,899                    | 27,891    | 32,177            |
| Kentucky.....            | 15,287                            | 10,770           | 28,023    | 31,380    | 33,124    | 14,106               | 4,514                     | 4,171     | ( <sup>3</sup> )  |
| Louisiana.....           | 40,219                            | 162,620          | 278,341   | 197,823   | 226,713   | 137,413              | 36,973                    | 40,658    | 48,718            |
| Mississippi.....         |                                   |                  | 179       | 8,679     | 8,245     | 7,219                |                           |           |                   |
| Montana.....             | 818                               | 1,496            | 10,080    | 14,301    | 14,971    | 12,444               | 1,295                     | 1,237     | ( <sup>3</sup> )  |
| New Mexico.....          |                                   | ( <sup>3</sup> ) | 9,497     | 19,143    | 24,075    | 16,625               | 10,149                    | 21,748    | ( <sup>3</sup> )  |
| New York.....            | 19,127                            | 6,210            | 9,624     | 6,865     | 6,278     | 31,209               | 96                        | 85        | ( <sup>3</sup> )  |
| Ohio.....                | 133,872                           | 43,235           | 63,394    | 47,929    | 50,330    | 94,998               | 4,662                     | 5,881     | ( <sup>3</sup> )  |
| Oklahoma.....            | 120,689                           | 249,285          | 348,116   | 245,759   | 254,457   | 249,721              | 300,483                   | 355,438   | 379,428           |
| Penn.....                | 161,897                           | 101,632          | 88,708    | 63,679    | 86,238    | 87,474               | 11,686                    | 10,781    | ( <sup>3</sup> )  |
| Texas.....               | 49,467                            | 134,872          | 517,886   | 475,691   | 760,976   | 601,047              | 866,515                   | 466,570   | 504,160           |
| W. Virginia.....         | 100,289                           | 180,345          | 144,190   | 100,653   | 100,161   | 52,353               | 39,848                    | 41,854    | 44,468            |
| Wyoming.....             | 10,312                            | 45,539           | 43,219    | 25,830    | 23,148    | 16,844               | 34,103                    | 34,799    | ( <sup>3</sup> )  |

<sup>1</sup> Preliminary. <sup>2</sup> Includes other States not shown separately.<sup>3</sup> Separate data not available.<sup>4</sup> Includes 68,000,000 cubic feet piped from Canada.<sup>5</sup> Includes 68,000,000 cubic feet piped to Canada in 1925, 107,000,000 in 1930, 29,000,000 in 1933, and 24,000,000 in 1934.<sup>6</sup> Includes 40,000,000 cubic feet piped to Canada in 1933, and 49,000,000 in 1934.<sup>7</sup> Includes 64,000,000 cubic feet piped to Mexico in 1925, 1,691,000,000 in 1930, 2,089,000,000 in 1933, and 5,728,000,000 in 1934.

Sources: Table 744, Bureau of Labor Statistics, Department of Labor; table 745, Bureau of Mines Department of the Interior.

**No. 746.—MANUFACTURED-GAS INDUSTRY: MATERIALS USED AND PRODUCTS**

NOTE.—These figures cover establishments engaged primarily in the commercial manufacture of gas to be delivered through mains; they do not cover establishments which merely distribute purchased gas. Blast-furnace gas and, with some exceptions, byproduct coke-oven gas are not included

| Material or product                     | Unit         | Quantity (thousands of unit specified) |                                         |                             |                                      | Value (thousands of dollars) |                                      |
|-----------------------------------------|--------------|----------------------------------------|-----------------------------------------|-----------------------------|--------------------------------------|------------------------------|--------------------------------------|
|                                         |              | 1929                                   | 1931 As published; comparable with 1929 | 1931 Comparable with 1933 1 | 1933 Reported on standard schedule 1 | 1931 Comparable with 1933 1  | 1933 Reported on standard schedule 1 |
| <b>Materials used:</b>                  |              |                                        |                                         |                             |                                      |                              |                                      |
| Coal for gas making:                    |              |                                        |                                         |                             |                                      |                              |                                      |
| Anthracite.....                         | Long ton 2   | 68                                     | 42                                      | 39                          | 40                                   |                              |                                      |
| Bituminous.....                         | Short ton 2  | 8,918                                  | 9,055                                   | 9,009                       | 7,473                                |                              |                                      |
| Oil for gas making.....                 | Barrel 4     | 4,683                                  | 1,607                                   | 1,242                       | 935                                  |                              |                                      |
| Oil for carbureting.....                | do.          | 16,024                                 | 13,593                                  | 8,887                       | 11,178                               |                              |                                      |
| Gas purchased.....                      | M cu. ft.    | 103,209                                | 98,226                                  | 96,226                      | 93,854                               |                              |                                      |
| <b>Gas and byproducts, total value.</b> |              |                                        |                                         |                             |                                      | 348,984                      | 277,304                              |
| Gas sold (from production in industry). | M cu. ft.... | (3)                                    | 283,382                                 | 281,453                     | 226,000                              | 311,548                      | 248,689                              |
| Coke for sale.....                      | Short ton 3  | 3,444                                  | 3,599                                   | 3,583                       | 3,182                                | 26,573                       | 20,671                               |
| Tar for sale.....                       | Gallon       | 163,695                                | 149,891                                 | 149,195                     | 113,581                              | 6,597                        | 4,521                                |
| Other byproducts.....                   |              |                                        |                                         |                             |                                      | 4,266                        | 3,443                                |

<sup>1</sup> For reason of adjustment, see last paragraph of general note, p. 733.

<sup>2</sup> 2,240 pounds.

<sup>3</sup> 2,000 pounds.

<sup>4</sup> 42 gallons.

<sup>5</sup> Includes 5,281,902 M cu. ft. in 1929 and 6,184,801 M cu. ft. in 1931 purchased from establishments in the gas industry. No similar duplication is included in the corresponding figure for 1933.

<sup>6</sup> Not available.

Source: Bureau of the Census, Department of Commerce.

**No. 747.—MANUFACTURED-GAS INDUSTRY: SUMMARY OF STATISTICS**

NOTE.—Companies formerly distributing manufactured gas but which were distributing natural gas at the beginning of 1935 have been excluded for all years shown in this table. Companies selling mixed manufactured and natural gas are included with these data

|                                                        | 1929    | 1930    | 1931    | 1932    | 1933    | 1934    | 1935    |
|--------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|
| Population served, Dec. 31 (thousands).....            | 47,190  | 48,348  | 49,049  | 48,803  | 49,189  | 49,441  | 49,514  |
| Miles of main, Dec. 31.....                            | 83,700  | 87,200  | 91,400  | 91,500  | 92,800  | 93,000  | 94,400  |
| Employees, Dec. 31.....                                | 74,200  | 73,800  | 71,500  | 65,600  | 69,200  | 71,400  | 70,800  |
| Total gas produced and purchased (million cubic feet). | 425,351 | 423,861 | 409,233 | 380,300 | 365,207 | 384,547 | 387,833 |
| Gas produced.....                                      | 306,948 | 301,866 | 292,336 | 259,552 | 242,393 | 249,935 | 248,331 |
| Gas purchased.....                                     | 118,403 | 121,995 | 116,897 | 120,748 | 122,814 | 134,612 | 139,502 |
| Total number of customers, Dec. 31 (thousands).....    | 10,209  | 10,227  | 10,149  | 9,675   | 9,627   | 9,819   | 9,997   |
| Domestic.....                                          | 9,715   | 9,715   | 9,611   | 9,179   | 9,110   | 9,259   | 9,418   |
| House heating.....                                     | 43      | 53      | 58      | 60      | 80      | 116     | 132     |
| Industrial and commercial.....                         | 444     | 452     | 473     | 427     | 428     | 435     | 438     |
| Miscellaneous.....                                     | 7       | 7       | 7       | 9       | 9       | 9       | 9       |
| Total gas sales to consumers (million cubic feet)..... | 392,653 | 394,222 | 382,466 | 350,564 | 332,731 | 345,956 | 354,357 |
| Domestic.....                                          | 275,131 | 276,389 | 270,709 | 256,893 | 238,269 | 281,829 | 222,763 |
| House heating.....                                     | 14,056  | 18,094  | 19,582  | 19,351  | 20,290  | 28,428  | 35,279  |
| Industrial and commercial.....                         | 101,305 | 97,452  | 90,147  | 72,075  | 72,169  | 83,643  | 94,182  |
| Miscellaneous.....                                     | 2,161   | 2,287   | 2,028   | 2,245   | 1,997   | 2,050   | 2,133   |
| Total revenue from consumers (thousand dollars).....   | 433,477 | 435,641 | 424,444 | 401,108 | 370,342 | 372,816 | 371,535 |
| Domestic.....                                          | 332,215 | 333,178 | 326,950 | 317,364 | 291,941 | 283,859 | 279,267 |
| House heating.....                                     | 11,878  | 14,943  | 15,747  | 14,884  | 14,258  | 18,970  | 22,764  |
| Industrial and commercial.....                         | 87,519  | 85,646  | 80,177  | 67,316  | 62,626  | 65,514  | 68,004  |
| Miscellaneous.....                                     | 1,865   | 1,874   | 1,570   | 1,604   | 1,517   | 1,473   | 1,500   |

Source: American Gas Association.



No. 748.—TOTAL NET MONTHLY BILL AND PRICE PER THERM FOR SPECIFIED AMOUNTS OF GAS: BASED ON RATES AS OF JAN. 15, 1936, BY CITIES

| City                              | Kind of gas | Heating value per cubic foot in British thermal units | Equipment and average monthly consumption for 5-room house |                 |                                                         |                 |                                                            |                 |                                                                           |                 |
|-----------------------------------|-------------|-------------------------------------------------------|------------------------------------------------------------|-----------------|---------------------------------------------------------|-----------------|------------------------------------------------------------|-----------------|---------------------------------------------------------------------------|-----------------|
|                                   |             |                                                       | Range, 10.6 therms <sup>1</sup>                            |                 | Range and manual water heater, 10.6 therms <sup>2</sup> |                 | Range and automatic water heater, 30.6 therms <sup>3</sup> |                 | Range, automatic water heater, and refrigerator, 40.6 therms <sup>4</sup> |                 |
|                                   |             |                                                       | Monthly bill                                               | Price per therm | Monthly bill                                            | Price per therm | Monthly bill                                               | Price per therm | Monthly bill                                                              | Price per therm |
|                                   |             |                                                       | Dollars                                                    | Cents           | Dollars                                                 | Cents           | Dollars                                                    | Cents           | Dollars                                                                   | Cents           |
| Atlanta.....                      | N           | 980                                                   | 1.78                                                       | 16.8            | 2.70                                                    | 13.8            | 3.77                                                       | 12.3            | 4.38                                                                      | 10.8            |
| Baltimore.....                    | M           | 500                                                   | 1.80                                                       | 17.0            | 3.33                                                    | 17.0            | 4.78                                                       | 16.6            | 6.08                                                                      | 15.0            |
| Birmingham.....                   | M           | 534                                                   | 1.69                                                       | 15.0            | 2.94                                                    | 15.0            | 4.68                                                       | 16.0            | 6.08                                                                      | 15.0            |
| Boston.....                       | M           | 535                                                   | 2.48                                                       | 23.4            | 4.16                                                    | 21.2            | 5.70                                                       | 18.6            | 7.19                                                                      | 17.7            |
| Buffalo.....                      | M           | 535                                                   | 2.28                                                       | 21.5            | 4.21                                                    | 21.6            | 5.63                                                       | 18.4            | 7.12                                                                      | 17.6            |
| Butte.....                        | X           | 900                                                   | .77                                                        | 7.2             | 1.42                                                    | 7.2             | 2.21                                                       | 7.2             | 2.98                                                                      | 7.2             |
| Butte.....                        | N           | 850                                                   | 1.11                                                       | 10.5            | 1.59                                                    | 8.1             | 2.17                                                       | 7.1             | 2.70                                                                      | 6.7             |
| Charleston, S. O.....             | M           | 550                                                   | 2.70                                                       | 25.5            | 4.98                                                    | 25.4            | 7.19                                                       | 23.6            | 9.01                                                                      | 22.2            |
| Chicago.....                      | X           | 800                                                   | 1.94                                                       | 18.3            | 3.33                                                    | 17.0            | 4.69                                                       | 18.3            | 5.39                                                                      | 13.3            |
| Cincinnati.....                   | X           | 865                                                   | .91                                                        | 8.6             | 1.63                                                    | 8.3             | 2.45                                                       | 8.0             | 3.16                                                                      | 7.8             |
| Cleveland.....                    | N           | 1,100                                                 | 4.75                                                       | 7.1             | .89                                                     | 4.5             | 1.43                                                       | 4.7             | 1.93                                                                      | 4.8             |
| Columbus.....                     | N           | 1,050                                                 | 4.75                                                       | 7.1             | 1.03                                                    | 5.3             | 1.00                                                       | 5.2             | 2.13                                                                      | 5.2             |
| Dallas.....                       | N           | 1,050                                                 | 4.75                                                       | 7.1             | .90                                                     | 4.6             | 1.40                                                       | 4.6             | 1.80                                                                      | 4.6             |
| Denver.....                       | N           | 1,050                                                 | 1.26                                                       | 11.9            | 1.84                                                    | 10.4            | 2.54                                                       | 8.3             | 3.19                                                                      | 7.9             |
| Denver.....                       | N           | 845                                                   | 2.14                                                       | 20.2            | 3.30                                                    | 16.9            | 4.15                                                       | 13.6            | 4.78                                                                      | 11.8            |
| Detroit.....                      | M           | 530                                                   | 1.71                                                       | 16.1            | 3.18                                                    | 16.1            | 4.63                                                       | 16.1            | 6.55                                                                      | 16.1            |
| Fall River.....                   | M           | 528                                                   | 2.53                                                       | 23.9            | 4.00                                                    | 20.7            | 5.94                                                       | 19.4            | 7.64                                                                      | 18.8            |
| Houston.....                      | N           | 1,000                                                 | 1.19                                                       | 11.2            | 1.77                                                    | 9.1             | 2.49                                                       | 8.1             | 3.14                                                                      | 7.7             |
| Indianapolis.....                 | M           | 570                                                   | 1.77                                                       | 15.7            | 3.27                                                    | 16.7            | 5.10                                                       | 16.7            | 6.76                                                                      | 16.7            |
| Jacksonville.....                 | M           | 535                                                   | 4.03                                                       | 38.0            | 0.34                                                    | 32.4            | 8.20                                                       | 26.8            | 9.88                                                                      | 24.3            |
| Kansas City.....                  | N           | 1,000                                                 | 1.36                                                       | 12.8            | 2.18                                                    | 11.1            | 3.12                                                       | 10.2            | 3.68                                                                      | 9.8             |
| Little Rock.....                  | N           | 1,000                                                 | 1.11                                                       | 10.4            | 1.61                                                    | 8.2             | 2.23                                                       | 7.3             | 2.79                                                                      | 0.9             |
| Los Angeles.....                  | N           | 1,100                                                 | 1.26                                                       | 11.8            | 1.82                                                    | 9.3             | 2.61                                                       | 8.2             | 3.14                                                                      | 7.7             |
| Louisville.....                   | X           | 900                                                   | .89                                                        | 8.4             | 1.39                                                    | 7.1             | 2.00                                                       | 6.5             | 2.56                                                                      | 0.3             |
| Manchester.....                   | M           | 525                                                   | 2.85                                                       | 26.9            | 4.62                                                    | 24.6            | 5.97                                                       | 18.5            | 6.92                                                                      | 17.0            |
| Memphis.....                      | N           | 980                                                   | 1.51                                                       | 14.3            | 2.48                                                    | 12.7            | 3.60                                                       | 11.8            | 4.21                                                                      | 10.4            |
| Milwaukee.....                    | M           | 520                                                   | 1.73                                                       | 16.3            | 3.03                                                    | 15.4            | 4.61                                                       | 15.1            | 6.02                                                                      | 14.8            |
| Minneapolis.....                  | X           | 800                                                   | 1.93                                                       | 18.2            | 3.03                                                    | 15.5            | 4.37                                                       | 14.3            | 5.55                                                                      | 13.7            |
| Mobile.....                       | N           | 960                                                   | 2.25                                                       | 21.2            | 3.43                                                    | 17.6            | 4.75                                                       | 15.6            | 5.43                                                                      | 13.4            |
| Newark.....                       | M           | 525                                                   | 2.69                                                       | 25.4            | 4.51                                                    | 22.0            | 6.05                                                       | 19.3            | 7.30                                                                      | 18.0            |
| New Haven.....                    | M           | 528                                                   | 2.41                                                       | 22.7            | 4.11                                                    | 21.0            | 6.20                                                       | 20.3            | 8.09                                                                      | 19.9            |
| New Orleans.....                  | N           | 950                                                   | 1.26                                                       | 11.9            | 2.10                                                    | 10.7            | 3.15                                                       | 10.3            | 4.09                                                                      | 10.1            |
| New York: 5                       |             |                                                       |                                                            |                 |                                                         |                 |                                                            |                 |                                                                           |                 |
| Bronx, Manhattan, and Queens..... | M           | 540                                                   | 2.30                                                       | 21.7            | 4.26                                                    | 21.7            | 6.65                                                       | 21.7            | 8.82                                                                      | 21.7            |
| Brooklyn.....                     | M           | 540                                                   | 2.34                                                       | 22.1            | 3.80                                                    | 19.4            | 5.25                                                       | 17.2            | 6.42                                                                      | 15.8            |
| Richmond.....                     | M           | 540                                                   | 2.44                                                       | 23.0            | 4.05                                                    | 20.7            | 6.03                                                       | 19.7            | 7.82                                                                      | 19.3            |
| Norfolk.....                      | M           | 540                                                   | 2.58                                                       | 24.4            | 4.37                                                    | 22.3            | 6.66                                                       | 21.4            | 8.54                                                                      | 21.0            |
| Omaha.....                        | M           | 530                                                   | 3.10                                                       | 26.3            | 5.10                                                    | 26.0            | 7.08                                                       | 23.1            | 8.87                                                                      | 21.8            |
| Peoria.....                       | M           | 555                                                   | 2.40                                                       | 22.8            | 4.36                                                    | 22.2            | 6.62                                                       | 21.0            | 8.51                                                                      | 21.0            |
| Philadelphia.....                 | N           | 1,000                                                 | 1.53                                                       | 14.4            | 2.42                                                    | 12.3            | 3.51                                                       | 11.5            | 4.50                                                                      | 11.1            |
| Pittsburgh.....                   | M           | 530                                                   | 2.12                                                       | 20.0            | 3.64                                                    | 18.9            | 4.67                                                       | 15.3            | 5.57                                                                      | 13.7            |
| Pittsburgh.....                   | M           | 530                                                   | 1.80                                                       | 17.0            | 3.25                                                    | 16.6            | 5.01                                                       | 16.4            | 6.61                                                                      | 16.3            |
| Portland, Maine.....              | N           | 1,130                                                 | 4.00                                                       | 0.4             | 1.04                                                    | 5.3             | 1.63                                                       | 5.3             | 2.15                                                                      | 5.3             |
| Portland, Oregon.....             | N           | 1,100                                                 | 4.00                                                       | 9.4             | 1.07                                                    | 5.4             | 1.67                                                       | 5.5             | 2.21                                                                      | 5.6             |
| Providence.....                   | M           | 525                                                   | 5.03                                                       | 28.5            | 5.16                                                    | 28.3            | 6.51                                                       | 21.3            | 6.08                                                                      | 19.6            |
| Richmond.....                     | M           | 570                                                   | 2.34                                                       | 22.0            | 3.98                                                    | 20.3            | 5.96                                                       | 19.5            | 7.63                                                                      | 18.8            |
| Rochester.....                    | M           | 510                                                   | 2.57                                                       | 24.3            | 4.16                                                    | 21.2            | 6.10                                                       | 19.9            | 7.86                                                                      | 19.4            |
| St. Louis.....                    | M           | 525                                                   | 2.63                                                       | 24.8            | 4.78                                                    | 24.4            | 7.43                                                       | 24.3            | 9.82                                                                      | 24.2            |
| St. Paul.....                     | M           | 537                                                   | 1.97                                                       | 18.6            | 3.65                                                    | 18.6            | 5.56                                                       | 18.2            | 7.05                                                                      | 17.4            |
| Salt Lake City.....               | X           | 800                                                   | 2.03                                                       | 19.2            | 3.31                                                    | 16.9            | 4.87                                                       | 15.0            | 6.17                                                                      | 15.2            |
| San Francisco.....                | N           | 650                                                   | 1.74                                                       | 16.4            | 3.20                                                    | 16.4            | 5.00                                                       | 16.4            | 6.04                                                                      | 16.4            |
| Savannah.....                     | N           | 865                                                   | 2.12                                                       | 20.0            | 3.27                                                    | 16.7            | 4.16                                                       | 13.6            | 4.80                                                                      | 12.0            |
| Seattle.....                      | N           | 1,150                                                 | 1.38                                                       | 13.0            | 2.05                                                    | 10.4            | 2.86                                                       | 9.3             | 3.00                                                                      | 8.9             |
| Springfield, Ill.....             | M           | 575                                                   | 2.30                                                       | 21.7            | 4.26                                                    | 21.8            | 6.65                                                       | 21.7            | 8.83                                                                      | 21.7            |
| Washington.....                   | M           | 520                                                   | 3.10                                                       | 29.2            | 4.97                                                    | 25.4            | 7.08                                                       | 23.1            | 9.01                                                                      | 22.2            |
| Washington.....                   | N           | 500                                                   | 3.10                                                       | 29.2            | 5.36                                                    | 27.3            | 6.32                                                       | 17.4            | 6.45                                                                      | 15.9            |
| Washington.....                   | N           | 1,000                                                 | 1.91                                                       | 18.0            | 3.36                                                    | 17.1            | 4.66                                                       | 15.2            | 5.56                                                                      | 13.7            |
| Washington.....                   | X           | 600                                                   | 1.53                                                       | 14.4            | 2.73                                                    | 13.9            | 4.08                                                       | 13.3            | 5.25                                                                      | 12.9            |

<sup>1</sup> M, manufactured; N, natural; X, mixed.

<sup>2</sup> 1 therm equals 100,000 British thermal units.

<sup>3</sup> Automatic storage or instantaneous water heater.

<sup>4</sup> Minimum charge.

<sup>5</sup> Prices include 2-percent sales tax.

<sup>6</sup> Prices include 3-percent sales tax.

<sup>7</sup> Prices include 1-percent sales tax.

<sup>8</sup> Reports from 2 companies with identical rates.

<sup>9</sup> Reports from 3 companies each in the Bronx and Manhattan, and 2 companies in Queens with identical rates.

Source: Bureau of Labor Statistics, Department of Labor.

## No. 749.—PRODUCTION OF CRUDE PETROLEUM

[Quantities in thousands of barrels (42 gallons); values in thousands of dollars]

| Yearly average | Quantity | Value       | Year | Quantity | Value       | Year         | Quantity    | Value       |
|----------------|----------|-------------|------|----------|-------------|--------------|-------------|-------------|
| 1861-1865      | 2, 479   | 9, 965      | 1907 | 166, 095 | 120, 107    | 1922         | 557, 531    | 895, 111    |
| 1866-1870      | 4, 013   | 15, 795     | 1908 | 178, 527 | 129, 079    | 1923         | 732, 407    | 978, 430    |
| 1871-1875      | 8, 221   | 18, 430     | 1909 | 183, 171 | 128, 329    | 1924         | 713, 940    | 1, 022, 683 |
| 1876-1880      | 16, 816  | 22, 926     | 1910 | 200, 567 | 127, 900    | 1925         | 763, 743    | 1, 284, 990 |
| 1881-1885      | 25, 508  | 22, 938     | 1911 | 220, 449 | 184, 045    | 1926         | 770, 874    | 1, 447, 760 |
| 1886-1890      | 32, 990  | 23, 830     | 1912 | 222, 935 | 164, 213    | 1927         | 901, 129    | 1, 172, 830 |
| 1891-1895      | 51, 095  | 35, 705     | 1913 | 248, 445 | 237, 121    | 1928         | 901, 474    | 1, 054, 880 |
| 1896-1900      | 59, 498  | 55, 836     | 1914 | 265, 763 | 214, 125    | 1929         | 1, 007, 323 | 1, 280, 417 |
| 1901-1905      | 102, 083 | 83, 524     | 1915 | 281, 104 | 179, 469    | 1930         | 898, 011    | 1, 070, 200 |
| 1906-1910      | 172, 769 | 119, 572    | 1916 | 300, 767 | 330, 900    | 1931         | 851, 081    | 650, 630    |
| 1911-1915      | 247, 739 | 185, 793    | 1917 | 335, 316 | 522, 635    | 1932         | 785, 169    | 630, 460    |
| 1916-1920      | 362, 661 | 735, 698    | 1918 | 356, 928 | 703, 944    | 1933         | 905, 656    | 608, 000    |
| 1921-1925      | 647, 961 | 999, 188    | 1919 | 378, 367 | 760, 288    | 1934         | 908, 065    | 904, 825    |
| 1926-1930      | 895, 762 | 1, 205, 217 | 1920 | 442, 929 | 1, 369, 745 | 1935 (prel.) | 993, 942    | 994, 000    |
| 1931-1935      | 888, 781 | 747, 583    | 1921 | 472, 183 | 814, 745    |              |             |             |

Source: Bureau of Mines, Department of the Interior.

## No. 750.—PETROLEUM PRODUCTION, IMPORTS, EXPORTS, AND BUNKER OIL LADEN ON VESSELS IN FOREIGN TRADE

NOTE.—Exports of refined oils include residuum prior to 1913 and exclude it thereafter. Exports exclude reexports of imported oils. Imports are imports for consumption beginning with 1933; general imports in earlier years

| Period    | Quantity (thousands of barrels of 42 gallons) |           |              |           |              | Value (millions of dollars) |           |              |           |              |
|-----------|-----------------------------------------------|-----------|--------------|-----------|--------------|-----------------------------|-----------|--------------|-----------|--------------|
|           | Production, crude oil                         | Imports   |              | Exports   |              | Bunker oil                  | Imports   |              | Exports   |              |
|           |                                               | Crude oil | Refined oils | Crude oil | Refined oils |                             | Crude oil | Refined oils | Crude oil | Refined oils |
| 1871-1880 | 12, 519                                       | (1)       | (1)          | 528       | 6, 026       | (1)                         | (1)       | (1)          | 2.4       | 37.7         |
| 1881-1890 | 20, 249                                       | (1)       | (1)          | 1, 719    | 12, 034      | (1)                         | (1)       | (1)          | 5.1       | 43.7         |
| 1891-1895 | 51, 095                                       | (1)       | (1)          | 2, 606    | 16, 761      | (1)                         | (1)       | (1)          | 5.0       | 40.8         |
| 1896-1900 | 59, 498                                       | (1)       | (1)          | 2, 907    | 20, 240      | (1)                         | (1)       | (1)          | 5.8       | 57.1         |
| 1901-1905 | 102, 083                                      | (1)       | (1)          | 3, 029    | 22, 317      | (1)                         | (1)       | (1)          | 6.3       | 68.5         |
| 1906-1910 | 172, 769                                      | 2, 295    | (1)          | 3, 686    | 30, 521      | (1)                         | 10.7      | (1)          | 6.4       | 90.4         |
| 1911-1915 | 247, 739                                      | 12, 080   | 293          | 4, 134    | 44, 475      | (1)                         | 7.6       | 1.1          | 6.1       | 125.8        |
| 1916-1920 | 362, 661                                      | 40, 531   | 1, 396       | 5, 413    | 58, 896      | 11, 681                     | 25.5      | 5.0          | 14.1      | 323.7        |
| 1921-1925 | 647, 961                                      | 94, 857   | 12, 545      | 13, 330   | 76, 455      | 36, 501                     | 68.0      | 22.2         | 22.5      | 363.6        |
| 1926-1930 | 895, 762                                      | 67, 919   | 23, 779      | 20, 062   | 119, 700     | 50, 198                     | 78.6      | 51.8         | 30.2      | 464.7        |
| 1931-1935 | 888, 781                                      | 38, 395   | 23, 902      | 36, 413   | 70, 892      | 34, 868                     | 73.3      | 22.3         | 38.2      | 164.3        |
| 1919      | 378, 367                                      | 52, 822   | 1, 340       | 5, 924    | 52, 641      | 14, 031                     | 26.4      | 5.0          | 14.8      | 327.0        |
| 1920      | 442, 929                                      | 100, 176  | 2, 619       | 8, 045    | 65, 278      | 26, 335                     | 55.8      | 10.1         | 29.0      | 519.3        |
| 1921      | 472, 183                                      | 125, 364  | 3, 412       | 8, 865    | 57, 534      | 27, 076                     | 66.5      | 10.8         | 20.2      | 363.5        |
| 1922      | 557, 531                                      | 127, 308  | 8, 639       | 9, 995    | 59, 592      | 31, 692                     | 70.4      | 17.8         | 18.3      | 312.6        |
| 1923      | 732, 407                                      | 82, 015   | 17, 592      | 17, 061   | 77, 893      | 37, 582                     | 63.9      | 24.3         | 23.1      | 327.0        |
| 1924      | 713, 940                                      | 77, 775   | 16, 760      | 17, 605   | 93, 411      | 43, 328                     | 73.8      | 26.9         | 26.5      | 392.3        |
| 1925      | 763, 743                                      | 91, 824   | 16, 324      | 13, 125   | 93, 843      | 42, 827                     | 75.4      | 31.3         | 24.3      | 422.6        |
| 1926      | 770, 874                                      | 60, 352   | 20, 002      | 15, 406   | 108, 398     | 46, 862                     | 79.3      | 44.6         | 28.5      | 497.2        |
| 1927      | 901, 129                                      | 58, 383   | 13, 281      | 15, 843   | 115, 399     | 50, 051                     | 78.6      | 33.6         | 25.9      | 429.7        |
| 1928      | 901, 474                                      | 79, 707   | 11, 701      | 18, 661   | 126, 159     | 51, 226                     | 90.5      | 40.9         | 26.8      | 465.2        |
| 1929      | 1, 007, 323                                   | 73, 933   | 20, 632      | 26, 394   | 126, 378     | 52, 278                     | 79.9      | 61.0         | 37.8      | 493.4        |
| 1930      | 898, 011                                      | 62, 129   | 43, 381      | 29, 704   | 122, 167     | 50, 773                     | 64.9      | 78.7         | 32.2      | 438.2        |
| 1931      | 851, 081                                      | 47, 250   | 38, 702      | 25, 635   | 91, 009      | 43, 714                     | 39.2      | 52.1         | 20.8      | 232.3        |
| 1932      | 785, 169                                      | 44, 700   | 30, 228      | 27, 391   | 89, 348      | 38, 152                     | 30.4      | 29.2         | 27.1      | 168.1        |
| 1933      | 905, 656                                      | 31, 908   | 13, 267      | 36, 584   | 61, 419      | 32, 272                     | 17.7      | 7.1          | 32.0      | 151.3        |
| 1934      | 908, 065                                      | 35, 772   | 14, 952      | 41, 127   | 64, 750      | 29, 899                     | 25.9      | 9.6          | 49.8      | 159.5        |
| 1935      | 993, 942                                      | 32, 345   | 22, 369      | 51, 430   | 67, 982      | 30, 304                     | 23.4      | 13.4         | 61.2      | 169.9        |

<sup>1</sup> Data are not available.<sup>2</sup> Average for years 1908-1910 for total mineral oils.<sup>3</sup> Not including natural gasoline (308,000 barrels valued at \$533,000 in 1932, 1,657,000 barrels at \$3,335,000 in 1933, 1,495,000 barrels at \$2,729,000 in 1934, and 1,645,000 barrels at \$3,335,000 in 1935), included with refined oils prior to 1932.

Sources: Bureau of Mines, Department of the Interior, and Bureau of Foreign and Domestic Commerce, Department of Commerce.

# No. 751.—PETROLEUM, CRUDE: PRODUCTION BY REGIONS AND STATES, AND APPROXIMATE WORLD PRODUCTION

[In thousands of barrels of 42 gallons]

| Section                                   | 1901-1910<br>(average) | 1911-1915<br>(average) | 1916-1920<br>(average) | 1921-1925<br>(average) | 1926-1930<br>(average) | 1931-1935<br>(average) | 1933      | 1934      | 1935<br>(preliminary) |
|-------------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------|-----------|-----------------------|
| World total <sup>1</sup> -----            | 236,615                | 384,340                | 541,738                | 944,777                | 1,316,390              | 1,458,056              | 1,442,112 | 1,522,230 | 1,642,605             |
| United States <sup>2</sup> -----          | 137,428                | 247,739                | 382,661                | 647,961                | 895,792                | 888,761                | 906,658   | 908,065   | 993,942               |
| Percent of total-----                     | 58.1                   | 64.5                   | 68.6                   | 68.6                   | 68.0                   | 61.0                   | 62.8      | 59.7      | 60.5                  |
| Regions:                                  |                        |                        |                        |                        |                        |                        |           |           |                       |
| Appalachian-----                          | 28,943                 | 24,504                 | 27,161                 | 28,504                 | 31,603                 | 30,081                 | 27,436    | 30,505    | 32,398                |
| Lima-N. E. Ind. <sup>3</sup> -----        | 17,253                 | 5,052                  | 3,408                  | 2,208                  | 3,603                  | 9,940                  | 8,988     | 11,603    | 16,163                |
| Illinois-S. W. Indiana <sup>4</sup> ----- | 12,659                 | 24,955                 | 13,918                 | 9,585                  | 7,495                  | 5,323                  | 4,967     | 5,293     | 5,062                 |
| Mid-continent-----                        | 25,088                 | 87,659                 | 184,616                | 343,545                | 527,944                | 560,060                | 601,147   | 584,732   | 607,049               |
| Gulf-----                                 | 17,436                 | 12,367                 | 24,273                 | 33,688                 | 54,140                 | 75,191                 | 76,308    | 83,949    | 104,040               |
| Rocky Mountain-----                       | 402                    | 2,605                  | 11,830                 | 35,258                 | 29,469                 | 17,965                 | 14,800    | 17,678    | 20,198                |
| California-----                           | 35,641                 | 90,512                 | 97,384                 | 195,074                | 241,509                | 184,221                | 172,010   | 174,305   | 207,832               |
| States:                                   |                        |                        |                        |                        |                        |                        |           |           |                       |
| Arkansas-----                             |                        |                        |                        | 30,644                 | 35,010                 | 12,137                 | 11,686    | 11,182    | 10,973                |
| California-----                           | 35,641                 | 90,512                 | 97,384                 | 195,074                | 241,509                | 184,221                | 172,010   | 174,305   | 207,832               |
| Colorado-----                             | 381                    | 211                    | 189                    | 392                    | 2,477                  | 1,258                  | 919       | 1,130     | 1,549                 |
| Illinois-----                             | 12,659                 | 24,955                 | 13,918                 | 8,815                  | 6,654                  | 4,548                  | 4,244     | 4,479     | 4,305                 |
| Indiana-----                              | 6,527                  | 1,167                  | 865                    | 1,011                  | 937                    | 796                    | 737       | 838       | 757                   |
| Kansas <sup>5</sup> -----                 | 4,603                  | 2,235                  | 32,550                 | 32,733                 | 41,123                 | 43,022                 | 41,978    | 46,482    | 54,787                |
| Kentucky <sup>6</sup> -----               | 696                    | 486                    | 5,335                  | 8,044                  | 7,103                  | 5,493                  | 4,608     | 4,860     | 5,255                 |
| Louisiana-----                            | 4,310                  | 12,997                 | 19,117                 | 25,759                 | 22,338                 | 30,303                 | 25,168    | 32,869    | 49,869                |
| Michigan-----                             |                        |                        |                        | 1                      | 1,613                  | 8,900                  | 7,942     | 10,603    | 15,250                |
| Montana-----                              |                        |                        | 129                    | 2,720                  | 4,826                  | 3,151                  | 2,273     | 3,603     | 4,504                 |
| New Mexico <sup>6</sup> -----             |                        |                        |                        | 7,554                  | 3,171                  | 15,860                 | 14,119    | 16,864    | 20,586                |
| New York-----                             | 1,153                  | 920                    | 864                    | 1,274                  | 2,765                  | 3,019                  | 3,181     | 3,804     | 4,237                 |
| Ohio-----                                 | 15,677                 | 8,890                  | 7,583                  | 7,045                  | 7,022                  | 4,502                  | 4,236     | 4,234     | 4,070                 |
| Oklahoma <sup>6</sup> -----               | 19,076                 | 68,024                 | 102,209                | 155,088                | 235,693                | 176,305                | 182,251   | 180,107   | 185,348               |
| Pennsylvania-----                         | 10,538                 | 8,002                  | 7,662                  | 7,607                  | 10,613                 | 13,447                 | 12,624    | 14,478    | 15,836                |
| Texas-----                                | 14,534                 | 16,256                 | 55,008                 | 127,000                | 245,792                | 304,022                | 402,600   | 381,516   | 391,067               |
| West Virginia-----                        | 11,005                 | 10,487                 | 8,311                  | 6,575                  | 5,655                  | 4,032                  | 3,816     | 4,095     | 3,903                 |
| Wyoming-----                              | 21                     | 2,394                  | 11,562                 | 31,901                 | 21,145                 | 13,137                 | 11,227    | 12,556    | 13,650                |

<sup>1</sup> Estimated.

<sup>2</sup> Includes for certain years small quantities not distributed by regions and States.

<sup>3</sup> Southwestern Indiana reported with Illinois beginning 1921; previously with Lima-Indiana region.

<sup>4</sup> Kansas includes Oklahoma, 1905 and 1906. <sup>5</sup> Kentucky includes Tennessee, 1891 to 1907.

<sup>6</sup> Not shown separately prior to 1924. <sup>7</sup> Average for years 1924 and 1925.

# No. 752.—STOCKS OF CRUDE AND REFINED MINERAL OILS ON DECEMBER 31

[In thousands of barrels of 42 gallons]

|                                            | 1920             | 1925    | 1930                     | 1932                     | 1933                     | 1934    | 1935    |
|--------------------------------------------|------------------|---------|--------------------------|--------------------------|--------------------------|---------|---------|
| Crude petroleum, total <sup>1</sup> -----  | 149,448          | 345,863 | { 408,809<br>2 411,862 } | { 339,715<br>2 339,876 } | { 355,312<br>2 354,223 } | 337,254 | 314,631 |
| At refineries <sup>2</sup> -----           | 28,703           | 29,007  | { 41,136<br>2 55,513 }   | { 61,769<br>2 61,769 }   | { 66,049<br>2 66,049 }   | 64,099  | 50,148  |
| Pipe line and tank farm <sup>3</sup> ----- | 117,159          | 408,606 | { 361,005<br>2 364,138 } | { 276,189<br>2 270,093 } | { 281,132<br>2 280,043 } | 264,025 | 245,178 |
| Producers' <sup>4</sup> -----              | 3,686            | 7,500   | { 6,608<br>2 2,377 }     | { 8,013<br>2 3,203 }     | { 8,131<br>2 3,680 }     | 8,530   | 10,305  |
| Natural gasoline-----                      | ( <sup>5</sup> ) | 326     | { 2,377<br>2 3,100 }     | { 3,203<br>2 3,317 }     | { 3,317<br>2 3,680 }     | 3,740   | 3,608   |
| Refined products, total <sup>1</sup> ----- | 60,397           | 206,275 | { 254,311<br>2 251,680 } | { 247,188<br>2 249,116 } | { 244,578<br>2 244,295 } | 223,356 | 223,371 |
| Gasoline-----                              | 11,009           | 33,918  | { 40,541<br>2 40,093 }   | { 50,602<br>2 51,107 }   | { 52,816<br>2 56,255 }   | 48,205  | 50,647  |
| Kerosene-----                              | 9,369            | 7,121   | { 6,883<br>2 5,033 }     | { 4,974<br>2 5,033 }     | { 6,558<br>2 6,558 }     | 6,398   | 7,915   |
| Gas oil and fuel oil <sup>1</sup> -----    | 19,938           | 110,404 | { 140,428<br>2 137,790 } | { 129,881<br>2 130,753 } | { 123,500<br>2 123,004 } | 110,397 | 103,984 |
| Lubricants-----                            | 3,822            | 7,253   | { 8,465<br>2 8,694 }     | { 8,465<br>2 8,694 }     | { 8,465<br>2 8,694 }     | 7,331   | 7,025   |
| Grand total stocks all oils-----           | 209,845          | 552,464 | { 665,497<br>2 664,882 } | { 690,108<br>2 692,194 } | { 693,207<br>2 692,198 } | 564,350 | 541,700 |

<sup>1</sup> California heavy crude and fuel oil included in refined products as residual fuel oil beginning 1925.

<sup>2</sup> For comparison with succeeding year. <sup>3</sup> Includes foreign crude held by importers.

<sup>4</sup> Refinery stocks in California included in pipe-line and tank-farm stocks.

<sup>5</sup> Producers' stocks in California included in pipe-line and tank-farm stocks prior to 1932.

<sup>6</sup> Not available. <sup>7</sup> At plants only. <sup>8</sup> Includes wax, coke, and asphalt.

Source of tables 751 and 752: Bureau of Mines, Department of the Interior.

## No. 753.—SUPPLY AND DEMAND OF CRUDE AND REFINED OILS

[In thousands of barrels of 42 gallons]

|                                     | 1929      | 1930      | 1931      | 1932    | 1933    | 1934      | 1935<br>(preliminary) |
|-------------------------------------|-----------|-----------|-----------|---------|---------|-----------|-----------------------|
| Total new supply of all oils.....   | 1,171,369 | 1,058,949 | 982,811   | 898,965 | 986,228 | 896,823   | 1,087,363             |
| Domestic production, total.....     | 1,062,649 | 953,331   | 896,524   | 822,471 | 940,834 | 940,329   | 1,034,677             |
| Crude petroleum.....                | 1,007,323 | 898,011   | 851,081   | 785,159 | 905,656 | 908,065   | 993,942               |
| Natural gasoline.....               | 52,271    | 52,631    | 43,617    | 36,281  | 33,810  | 36,556    | 38,858                |
| Benzol.....                         | 3,065     | 2,689     | 1,826     | 1,031   | 1,368   | 1,708     | 1,877                 |
| Imports—                            |           |           |           |         |         |           |                       |
| Crude.....                          | 78,933    | 62,129    | 47,250    | 44,682  | 31,893  | 35,558    | 32,239                |
| Refined <sup>1</sup> .....          | 29,777    | 43,489    | 38,837    | 29,812  | 13,501  | 14,936    | 20,437                |
| Change in stocks <sup>2</sup> ..... | +68,156   | —24,000   | —44,989   | —41,792 | +11,018 | —37,848   | —22,448               |
| Total demand.....                   | 1,103,203 | 1,082,949 | 1,027,600 | 938,757 | 975,215 | 1,034,871 | 1,109,801             |
| Exports <sup>3</sup> —              |           |           |           |         |         |           |                       |
| Crude.....                          | 26,401    | 23,705    | 25,535    | 27,393  | 36,684  | 41,127    | 51,878                |
| Refined <sup>4</sup> .....          | 136,719   | 132,794   | 98,859    | 75,882  | 70,143  | 73,380    | 76,774                |
| Domestic <sup>4</sup> .....         | 940,083   | 926,450   | 903,206   | 835,482 | 868,488 | 920,164   | 981,649               |

<sup>1</sup> Includes wax, coke, asphalt, and residuum in barrels.<sup>2</sup> Data include crude petroleum, refined products, and natural gasoline.<sup>3</sup> Includes shipments to noncontiguous territories.<sup>4</sup> Includes bunker oil put on vessels engaged in foreign trade.

Source: Bureau of Mines, Department of the Interior.

## No. 754.—PETROLEUM REFINING: REFINERY PRODUCTS

| Product                                                                      | Quantity (thousands of gallons unless otherwise specified) |                                            |                                           | Value (thousands of dollars)                       |                                           |                                                    |
|------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------|-------------------------------------------|----------------------------------------------------|-------------------------------------------|----------------------------------------------------|
|                                                                              | 1929                                                       | 1931<br>As published; comparable with 1929 | 1931<br>Comparable with 1933 <sup>1</sup> | 1933<br>Reported on standard schedule <sup>1</sup> | 1931<br>Comparable with 1933 <sup>1</sup> | 1933<br>Reported on standard schedule <sup>1</sup> |
| Refinery products, total value.....                                          |                                                            |                                            |                                           |                                                    | 1,502,259                                 | 1,357,897                                          |
| Light products of distillation (except tops).....                            |                                                            |                                            |                                           |                                                    |                                           |                                                    |
| Gasoline.....                                                                | 18,251,372                                                 | 17,595,043                                 | 17,432,723                                | 16,354,818                                         | 846,254                                   | 773,182                                            |
| Naphtha.....                                                                 | 17,538,789                                                 | 17,100,621                                 | 16,940,078                                | 16,094,531                                         | 824,300                                   | 759,183                                            |
| Benzine.....                                                                 | 662,642                                                    | 461,174                                    | 450,397                                   | 228,516                                            | 20,146                                    | 12,251                                             |
| Gasoline.....                                                                | 49,941                                                     | 33,247                                     | 33,247                                    | 31,771                                             | 1,808                                     | 1,747                                              |
| Illuminating oils.....                                                       | 2,338,929                                                  | 1,745,447                                  | 1,732,908                                 | 1,049,863                                          | 72,285                                    | 78,128                                             |
| Fuel oils.....                                                               | 10,390,954                                                 | 14,209,692                                 | 13,999,089                                | 13,295,107                                         | 267,881                                   | 253,237                                            |
| Distillates.....                                                             | 1,024,304                                                  | 1,055,597                                  | 1,013,171                                 | 1,598,816                                          | 27,110                                    | 49,645                                             |
| Gas oils.....                                                                | 2,682,959                                                  | 2,562,148                                  | 2,526,230                                 | 1,977,443                                          | 67,837                                    | 53,931                                             |
| Residual fuel oils.....                                                      | 12,483,631                                                 | 10,591,948                                 | 10,460,689                                | 9,718,648                                          | 172,922                                   | 149,658                                            |
| Partially refined oils sold for re-running.....                              | 1,466,861                                                  | 1,313,270                                  | 1,311,126                                 | 1,130,038                                          | 28,418                                    | 23,734                                             |
| Above fuel oil.....                                                          | 869,056                                                    | 891,280                                    | 890,944                                   | 760,697                                            |                                           |                                                    |
| Fuel oil.....                                                                | 567,533                                                    | 383,803                                    | 382,937                                   | 345,215                                            |                                           |                                                    |
| Below fuel oil.....                                                          | 30,273                                                     | 38,187                                     | 37,245                                    | 24,156                                             |                                           |                                                    |
| Lubricating oils.....                                                        | 1,553,711                                                  | 1,147,767                                  | 1,145,431                                 | 1,047,212                                          | 197,093                                   | 142,444                                            |
| Black, cylinder, red, neutral, pale, and paraffin.....                       | ( <sup>2</sup> )                                           | ( <sup>2</sup> )                           | ( <sup>2</sup> )                          | 650,475                                            | ( <sup>2</sup> )                          | 74,178                                             |
| All other lubricating oils, including compounded (except cylinder) oils..... | ( <sup>2</sup> )                                           | ( <sup>2</sup> )                           | ( <sup>2</sup> )                          | 396,736                                            | ( <sup>2</sup> )                          | 68,266                                             |
| Liquid asphaltic road oils.....                                              | 323,002                                                    | 377,748                                    | 375,116                                   | 300,243                                            | 10,352                                    | 8,345                                              |
| Greases.....                                                                 | 52,017                                                     | 45,816                                     | 45,211                                    | 41,623                                             | 12,226                                    | 9,251                                              |
| Petroleum, mineral jelly, etc.....                                           | 13,664                                                     | 16,950                                     | 16,353                                    | 14,711                                             | 2,071                                     | 1,855                                              |
| Lubricating greases, including axle grease.....                              | 38,354                                                     | 28,858                                     | 28,858                                    | 27,212                                             | 10,153                                    | 7,399                                              |
| Paraffin wax.....                                                            | 84,639                                                     | 79,483                                     | 79,377                                    | 72,852                                             | 13,340                                    | 12,211                                             |
| Acid oil.....                                                                | 34,767                                                     | 84,560                                     | 84,560                                    | 86,627                                             | 1,119                                     | 1,015                                              |
| Asphalt other than liquid asphalt <sup>3</sup> .....                         | 3,115                                                      | 2,462                                      | 2,462                                     | 1,790                                              | 21,751                                    | 17,932                                             |
| Petroleum coke <sup>3</sup> .....                                            | 1,265                                                      | 2,029                                      | 2,025                                     | 1,751                                              | 7,173                                     | 5,582                                              |
| Other refinery products, value.....                                          |                                                            |                                            |                                           |                                                    | 24,368                                    | 32,940                                             |

<sup>1</sup> For reason of adjustment, see last paragraph of general note, p. 733.<sup>2</sup> No comparable data.<sup>3</sup> Thousands of tons of 2,000 pounds.

Source: Bureau of the Census, Department of Commerce.

### No. 755.—PETROLEUM PRODUCTS: OILS RUN TO STILLs, OUTPUT OF REFINERIES, STOCKS, EXPORTS, AND APPARENT CONSUMPTION OF PRODUCTS

NOTE.—Stocks are those in refiners' hands only. Hence "apparent consumption" represents deliveries by refiners to dealers and consumers. Exports include shipments to noncontiguous territories. Consumption figures for kerosene and lubricants take into account imports not shown separately

[In thousands of barrels of 42 gallons, except as indicated]

| Item                                                            | 1918    | 1920    | 1925    | 1930    | 1932    | 1933    | 1934    | 1935<br>(prel.) |
|-----------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|-----------------|
| Crude oil run to stills.....                                    | 328,025 | 433,915 | 730,920 | 927,447 | 819,997 | 861,254 | 895,936 | 966,243         |
| Domestic.....                                                   | 324,618 | 372,779 | 698,582 | 866,615 | 777,686 | 825,786 | 860,778 | 934,112         |
| Foreign.....                                                    | 1,407   | 61,136  | 41,338  | 60,832  | 42,301  | 35,468  | 34,860  | 32,181          |
| Natural gasoline run to stills<br>or blended at refineries..... | 2,451   | 8,153   | 19,636  | 143,170 | 126,332 | 125,346 | 128,162 | 130,599         |
| Stocks of crude oil, end of year.....                           | 15,750  | 21,261  | 29,200  | 41,136  | 47,816  | 66,040  | 64,099  | 59,148          |
| Motor fuel:                                                     |         |         |         |         |         |         |         |                 |
| Production.....                                                 | 86,280  | 118,022 | 262,252 | 440,728 | 399,712 | 407,932 | 423,801 | 465,514         |
| Exports (gasoline and<br>benzol).....                           | 13,650  | 15,678  | 31,684  | 65,675  | 35,438  | 20,321  | 24,686  | 30,380          |
| Imports (gasoline).....                                         | 307     | 964     | 3,813   | 16,927  | 8,205   | 15      | 1       | 20              |
| Stocks, end of year.....                                        | 7,080   | 11,009  | 38,918  | 40,098  | 54,310  | 59,935  | 51,945  | 54,345          |
| Apparent consumption.....                                       | 75,672  | 102,937 | 226,329 | 394,800 | 373,900 | 377,003 | 407,106 | 432,556         |
| Kerosene:                                                       |         |         |         |         |         |         |         |                 |
| Production.....                                                 | 43,461  | 55,240  | 59,689  | 49,208  | 43,836  | 48,977  | 53,855  | 55,813          |
| Exports.....                                                    | 11,820  | 20,878  | 21,212  | 16,884  | 11,044  | 8,959   | 9,781   | 9,044           |
| Stocks, end of year.....                                        | 9,050   | 9,359   | 7,121   | 6,883   | 5,033   | 6,558   | 6,398   | 7,915           |
| Apparent consumption.....                                       | 34,442  | 33,082  | 39,999  | 34,736  | 33,221  | 38,493  | 44,234  | 47,652          |
| Gas oil and fuel oil:                                           |         |         |         |         |         |         |         |                 |
| Production.....                                                 | 174,319 | 210,987 | 364,991 | 372,498 | 301,353 | 316,439 | 335,353 | 355,125         |
| Exports.....                                                    | 29,637  | 22,080  | 36,088  | 35,450  | 19,964  | 20,503  | 28,605  | 28,439          |
| Stocks, end of year.....                                        | 16,691  | 19,938  | 24,681  | 137,790 | 129,881 | 123,004 | 110,397 | 103,984         |
| Lubricants:                                                     |         |         |         |         |         |         |         |                 |
| Production.....                                                 | 20,035  | 24,938  | 31,055  | 34,201  | 22,433  | 23,775  | 26,373  | 27,771          |
| Exports.....                                                    | 6,165   | 9,643   | 9,678   | 9,935   | 6,851   | 8,218   | 7,060   | 8,450           |
| Stocks, end of year.....                                        | 3,306   | 3,822   | 7,253   | 10,971  | 5,694   | 7,100   | 7,331   | 7,025           |
| Apparent consumption.....                                       | 13,823  | 14,742  | 20,581  | 21,689  | 16,014  | 17,162  | 18,484  | 19,588          |
| Wax—production.....1,000 lbs.....                               | 505,144 | 541,204 | 580,577 | 547,680 | 458,920 | 460,560 | 468,720 | 450,240         |
| Stocks, end of year.....do.....                                 | 199,658 | 195,368 | 116,391 | 232,592 | 163,935 | 69,117  | 136,136 | 114,675         |
| Coke—production.....1,000 tons.....                             | 560     | 577     | 991     | 1,940   | 1,789   | 1,580   | 1,300   | 1,458           |
| Stocks, end of year.....do.....                                 | 23      | 32      | 238     | 1,069   | 1,330   | 727     | 405     | 389             |
| Asphalt—production.....1,000 tons.....                          | 608     | 1,291   | 2,677   | 3,308   | 2,475   | 2,320   | 2,841   | 3,247           |
| Stocks, end of year.....do.....                                 | 77      | 81      | 159     | 808     | 276     | 255     | 339     | 405             |
| Other finished products.....                                    | -----   | -----   | 8,044   | 13,179  | 40,522  | 52,181  | 52,473  | 50,328          |
| Losses.....                                                     | 14,557  | 18,743  | 22,914  | 37,008  | 20,652  | 16,766  | 16,073  | 12,453          |

<sup>1</sup> Includes natural gasoline run through pipe lines in California.

<sup>2</sup> Stocks east of California only.

<sup>3</sup> Includes terminal, transit, and natural gasoline stocks.

<sup>4</sup> Includes net transfers in California.

<sup>5</sup> Total gas oil and fuel oil stocks, including California heavy crude.

<sup>6</sup> Of 2,000 pounds.

<sup>7</sup> Other finished products include still gas formerly reported also with losses.

### No. 756.—PETROLEUM PRODUCTS: CRUDE OIL RUN TO STILLs AND OUTPUT OF REFINERIES, BY REGIONS

[In thousands of barrels of 42 gallons, except wax, which is in thousands of pounds]

| Region                              | Crude oil run to stills |         | Natural gasoline run to stills or blended |        | Output of refineries, 1935 |          |                      |            |         |
|-------------------------------------|-------------------------|---------|-------------------------------------------|--------|----------------------------|----------|----------------------|------------|---------|
|                                     | 1934                    | 1935    | 1934                                      | 1935   | Gasoline                   | Kerosene | Gas oil and fuel oil | Lubricants | Wax     |
| Total.....                          | 895,636                 | 966,243 | 28,162                                    | 30,599 | 457,692                    | 55,813   | 355,125              | 27,771     | 460,240 |
| East coast.....                     | 171,733                 | 170,277 | 1,307                                     | 1,443  | 72,466                     | 9,696    | 61,216               | 7,709      | 204,120 |
| Appalachian.....                    | 35,809                  | 38,454  | 284                                       | 312    | 19,016                     | 2,977    | 7,622                | 5,370      | 63,160  |
| Indiana, Illinois, Kentucky, etc.   | 119,166                 | 129,968 | 2,348                                     | 3,111  | 76,442                     | 4,764    | 30,115               | 2,686      | 34,720  |
| Oklahoma, Kansas, and Missouri..... | 95,006                  | 107,752 | 5,874                                     | 6,298  | 62,439                     | 7,651    | 29,733               | 3,389      | 34,440  |
| Texas.....                          | 241,359                 | 262,493 | 6,349                                     | 6,082  | 123,423                    | 19,439   | 98,293               | 5,698      | 50,960  |
| Louisiana and Arkansas.....         | 60,191                  | 60,431  | 769                                       | 735    | 23,880                     | 5,603    | 22,334               | 825        | 20,440  |
| Rocky Mountain.....                 | 16,037                  | 13,029  | 803                                       | 840    | 10,705                     | 654      | 5,041                | 273        | 22,400  |
| California.....                     | 156,335                 | 177,849 | 10,428                                    | 11,178 | 60,321                     | 5,029    | 100,571              | 1,821      | -----   |

Source of tables 755 and 756: Bureau of Mines, Department of the Interior.

# No. 757.—PETROLEUM PIPE LINES: SUMMARY FOR COMPANIES REPORTING TO THE INTERSTATE COMMERCE COMMISSION

[All figures, except miles of line operated, in thousands of dollars]

| Year | Miles of line operated | Investment in pipe lines | Other investments | Pipe-line operating revenues | Pipe-line operating expenses | Pipe-line operating income | Net income |
|------|------------------------|--------------------------|-------------------|------------------------------|------------------------------|----------------------------|------------|
| 1921 | 55,260                 | 865,024                  | 287,114           | 115,950                      | 62,370                       | 25,530                     | 34,400     |
| 1925 | 70,009                 | 511,088                  | 93,896            | 194,045                      | 80,232                       | 70,966                     | 88,495     |
| 1926 | 72,846                 | 539,410                  | 111,891           | 173,075                      | 83,098                       | 76,523                     | 80,401     |
| 1927 | 76,070                 | 809,439                  | 105,827           | 195,561                      | 90,287                       | 92,719                     | 93,239     |
| 1928 | 81,676                 | 659,068                  | 106,888           | 222,078                      | 96,478                       | 112,221                    | 117,206    |
| 1929 | 85,798                 | 741,010                  | 104,445           | 261,411                      | 102,101                      | 135,421                    | 142,216    |
| 1930 | 88,727                 | 772,711                  | 96,184            | 237,610                      | 99,363                       | 121,816                    | 123,741    |
| 1931 | 93,090                 | 845,050                  | 90,505            | 222,944                      | 96,237                       | 116,767                    | 120,738    |
| 1932 | 92,783                 | 763,942                  | 41,764            | 211,789                      | 86,003                       | 110,019                    | 112,362    |
| 1933 | 93,724                 | 796,251                  | 47,947            | 217,162                      | 88,374                       | 107,811                    | 105,943    |
| 1934 | 93,070                 | 753,172                  | 57,276            | 199,166                      | 86,384                       | 84,865                     | 84,143     |
| 1935 | 92,037                 | 703,009                  | 119,071           | 197,393                      | 89,364                       | 76,586                     | 76,249     |

Source: Interstate Commerce Commission.

# No. 758.—PETROLEUM: PRICES OF CRUDE AND REFINED PRODUCTS

NOTE.—Prices of crude and fuel oil in dollars per barrel of 42 gallons, others in cents per gallon. Compiled by Joseph E. Pogue. The weighted average prices cover five principal grades of crude oil at wells, five markets for kerosene, gasoline at service stations in 50 cities (exclusive of all taxes), five refining locations for fuel oil, and lubricating oil at refineries.

| Year | Crude  | Gasoline | Kerosene | Fuel oil | Lubricating oil | Month, 1935 | Crude  | Gasoline | Kerosene | Fuel oil | Lubricating oil |
|------|--------|----------|----------|----------|-----------------|-------------|--------|----------|----------|----------|-----------------|
|      | Dolls. | Cents    | Cents    | Dolls.   | Cents           |             | Dolls. | Cents    | Cents    | Dolls.   | Cents           |
| 1921 | 1.86   | -----    | 12.9     | 1.30     | -----           | January     | 1.17   | 13.0     | 9.0      | 0.87     | 14.1            |
| 1925 | 1.96   | 19.9     | 12.3     | 1.46     | 24.3            | February    | 1.19   | 13.1     | 9.1      | .87      | 14.2            |
| 1926 | 2.03   | 20.8     | 14.7     | 1.47     | 23.3            | March       | 1.19   | 13.1     | 9.2      | .90      | 14.0            |
| 1927 | 1.56   | 13.0     | 12.9     | 1.14     | 21.2            | April       | 1.19   | 13.3     | 8.9      | .91      | 13.5            |
| 1928 | 1.54   | 17.7     | 12.9     | .91      | 20.7            | May         | 1.18   | 13.3     | 8.9      | .93      | 13.8            |
| 1929 | 1.67   | 17.7     | 13.4     | .89      | 26.3            | June        | 1.16   | 13.7     | 9.3      | .92      | 14.5            |
| 1930 | 1.39   | 18.4     | 12.1     | .78      | 19.8            | July        | 1.14   | 13.6     | 9.3      | .90      | 14.6            |
| 1931 | .91    | 12.9     | 10.3     | .67      | 14.7            | August      | 1.13   | 13.3     | 9.1      | .89      | 14.5            |
| 1932 | 1.02   | 13.2     | 9.4      | .62      | 14.5            | September   | 1.13   | 13.6     | 8.6      | .89      | 14.5            |
| 1933 | .87    | 12.8     | 9.2      | .67      | 14.7            | October     | 1.13   | 13.4     | 8.4      | .86      | 14.9            |
| 1934 | 1.21   | 13.6     | 9.5      | .84      | 18.5            | November    | 1.18   | 13.5     | 8.3      | .87      | 15.2            |
| 1935 | 1.17   | 13.4     | 8.9      | .89      | 14.4            | December    | 1.20   | 13.6     | 8.3      | .89      | 15.2            |

# No. 759.—ASPHALT: SUPPLY, DISTRIBUTION, AND SALES

|                                                      | 1929   | 1930   | 1931   | 1932   | 1933   | 1934   | 1935   |
|------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Total supply (1,000 tons of 2,000 pounds)-----       | 5,011  | 4,260  | 3,841  | 3,140  | 3,090  | 3,573  | 4,028  |
| Native asphalt and related bitumens:                 |        |        |        |        |        |        |        |
| Produced-----                                        | 804    | 703    | 503    | 340    | 313    | 441    | 347    |
| Imported (chiefly lake asphalt)-----                 | 121    | 63     | 74     | 20     | 22     | 16     | 54     |
| Petroleum asphalt (excluding road oil):              |        |        |        |        |        |        |        |
| Produced at refineries from--                        |        |        |        |        |        |        |        |
| Domestic petroleum-----                              | 1,583  | 1,404  | 1,276  | 1,116  | 1,237  | 1,445  | 1,802  |
| Foreign petroleum-----                               | 2,247  | 1,824  | 1,701  | 1,359  | 1,219  | 1,396  | 1,485  |
| Stocks, Jan. 1-----                                  | 255    | 277    | 288    | 305    | 299    | 276    | 339    |
| Total distribution (1,000 tons of 2,000 pounds)--    | 5,011  | 4,260  | 3,841  | 3,140  | 3,090  | 3,573  | 4,028  |
| Native asphalt and related bitumens:                 |        |        |        |        |        |        |        |
| Indicated domestic demand-----                       | 767    | 680    | 484    | 328    | 296    | 428    | 323    |
| Exports (unmanufactured)-----                        | 47     | 23     | 19     | 12     | 14     | 15     | 19     |
| Petroleum asphalt (excluding road oil):              |        |        |        |        |        |        |        |
| Indicated domestic demand (incl. lake asphalt).----- | 8,451  | 2,859  | 2,745  | 2,295  | 2,296  | 2,569  | 3,028  |
| Exports-----                                         | 479    | 410    | 288    | 206    | 204    | 224    | 223    |
| Stocks, Dec. 31-----                                 | 277    | 288    | 305    | 299    | 276    | 339    | 430    |
| VALUE (1,000 DOLLARS)                                |        |        |        |        |        |        |        |
| Native asphalt and related bitumens:                 |        |        |        |        |        |        |        |
| Sales-----                                           | 5,470  | 4,463  | 2,930  | 1,943  | 1,705  | 2,366  | 2,149  |
| Imports (chiefly lake asphalt)-----                  | 956    | 457    | 726    | 251    | 278    | 222    | 545    |
| Exports (unmanufactured)-----                        | 1,133  | 629    | 531    | 449    | 554    | 581    | 710    |
| Petroleum asphalt (excluding road oil):              |        |        |        |        |        |        |        |
| Sales-----                                           | 43,557 | 34,622 | 24,861 | 18,605 | 23,643 | 29,895 | 31,355 |
| Exports-----                                         | 8,543  | 7,277  | 4,941  | 3,168  | 2,861  | 3,383  | 3,371  |

Source: Bureau of Mines, Department of the Interior.

## No. 760.—PORTLAND CEMENT: PRODUCTION, SHIPMENTS, AND IMPORTS

NOTE.—Imports are "Imports for consumption" and include all kinds of hydraulic cement, most of which is Portland. "Shipments" include exports made directly by manufacturers and shipments made by them to noncontiguous territories (see table 761). Data for 1935 are preliminary

| State                              | 1910               | 1920             | 1925             | 1930    | 1932   | 1933   | 1934   | 1935   |
|------------------------------------|--------------------|------------------|------------------|---------|--------|--------|--------|--------|
| Thousands of barrels of 376 pounds |                    |                  |                  |         |        |        |        |        |
| <b>Production, total.</b> .....    | 78,550             | 100,023          | 161,659          | 161,197 | 76,741 | 63,473 | 77,748 | 78,751 |
| Alabama.....                       | <sup>1</sup> 1,481 | 1,132            | 6,288            | 4,821   | 1,453  | 1,960  | 2,208  | 2,403  |
| California.....                    | <sup>2</sup> 6,886 | 7,098            | 13,098           | 10,124  | 5,482  | 7,165  | 8,772  | 7,974  |
| Illinois.....                      | <sup>3</sup> 4,459 | 5,539            | 7,101            | 7,935   | 5,481  | 3,974  | 4,125  | 3,368  |
| Iowa.....                          | <sup>3</sup> 2,010 | 4,849            | 4,648            | 7,088   | 4,271  | 3,044  | 3,181  | 3,520  |
| Kansas.....                        | 5,656              | 4,341            | 6,511            | 6,012   | 2,206  | 2,201  | 2,408  | 2,337  |
| Michigan.....                      | 3,688              | 4,891            | 10,936           | 11,511  | 4,206  | 5,033  | 4,104  | 4,570  |
| Missouri.....                      | 4,456              | 6,018            | 8,332            | 7,800   | 4,238  | 3,799  | 4,034  | 3,302  |
| New York.....                      | 3,290              | 5,895            | 8,770            | 10,373  | 6,014  | 4,205  | 4,761  | 4,285  |
| Ohio.....                          | 1,528              | 1,780            | 5,715            | 6,632   | 4,002  | 2,781  | 4,040  | 3,886  |
| Pennsylvania.....                  | 26,676             | 28,269           | 42,347           | 37,844  | 15,709 | 12,204 | 15,323 | 15,502 |
| Tennessee.....                     | ( <sup>4</sup> )   | ( <sup>4</sup> ) | ( <sup>4</sup> ) | 3,875   | 1,647  | 1,348  | 2,481  | 2,703  |
| Texas.....                         | <sup>5</sup> 2,287 | 2,562            | 4,858            | 6,782   | 3,748  | 2,970  | 3,538  | 3,787  |
| Other States.....                  | 14,627             | 27,659           | 43,055           | 38,393  | 18,115 | 14,001 | 18,728 | 18,925 |
| Shipments.....                     | ( <sup>6</sup> )   | 96,312           | 167,295          | 150,059 | 80,843 | 64,283 | 75,001 | 75,239 |
| Imports.....                       | 307                | 525              | 3,667            | 985     | 468    | 477    | 200    | 619    |
| Stocks at mills (Dec.31).....      | ( <sup>7</sup> )   | 8,833            | 18,336           | 25,890  | 20,351 | 19,005 | 21,460 | 22,978 |

<sup>1</sup> Includes Georgia and Tennessee.

<sup>2</sup> California includes Washington.

<sup>3</sup> Includes Kentucky and West Virginia.

<sup>4</sup> Included in other States.

<sup>5</sup> Includes Oklahoma.

<sup>6</sup> Not available.

## No. 761.—PORTLAND CEMENT: SHIPMENTS BY DESTINATIONS

[In thousands of barrels of 376 pounds]

| State                                    | 1932   | 1933   | 1934   | 1935 <sup>1</sup> | State                                | 1932  | 1933  | 1934  | 1935 <sup>1</sup> |
|------------------------------------------|--------|--------|--------|-------------------|--------------------------------------|-------|-------|-------|-------------------|
| <b>Shipped from cement plants.</b> ..... | 80,843 | 64,233 | 75,901 | 75,239            | <b>Shipments to States—Con.</b>      |       |       |       |                   |
| <b>Shipments to States.</b> .....        | 80,184 | 63,305 | 74,872 | 74,332            | South Atlantic                       |       |       |       |                   |
| New England.....                         | 4,176  | 3,297  | 3,962  | 3,410             | Continued.                           |       |       |       |                   |
| Maine.....                               | 410    | 312    | 261    | 245               | West Virginia.....                   | 861   | 643   | 1,066 | 1,003             |
| New Hampshire.....                       | 267    | 262    | 345    | 237               | North Carolina.....                  | 434   | 484   | 764   | 828               |
| Vermont.....                             | 200    | 140    | 241    | 192               | South Carolina.....                  | 368   | 217   | 327   | 364               |
| Massachusetts.....                       | 2,126  | 1,474  | 1,992  | 1,573             | Georgia.....                         | 1,129 | 729   | 938   | 1,166             |
| Rhode Island.....                        | 305    | 282    | 326    | 329               | Florida.....                         | 428   | 598   | 906   | 854               |
| Connecticut.....                         | 808    | 737    | 857    | 834               | <b>East South Central.</b>           |       |       |       |                   |
| Middle Atlantic.....                     | 13,624 | 13,333 | 16,256 | 14,079            | Kentucky.....                        | 3,341 | 3,815 | 4,382 | 4,556             |
| New York.....                            | 11,057 | 7,178  | 8,052  | 7,770             | Tennessee.....                       | 1,306 | 1,245 | 1,234 | 1,052             |
| New Jersey.....                          | 2,855  | 2,027  | 2,339  | 2,242             | Alabama.....                         | 1,176 | 967   | 1,534 | 1,777             |
| Pennsylvania.....                        | 4,712  | 4,128  | 4,865  | 4,007             | Mississippi.....                     | 302   | 926   | 942   | 1,212             |
| <b>East North Central.</b>               |        |        |        |                   | West South Central.                  | 467   | 687   | 672   | 517               |
| Ohio.....                                | 20,081 | 14,321 | 16,195 | 16,156            | Arkansas.....                        | 6,768 | 6,056 | 6,243 | 6,653             |
| Indiana.....                             | 4,813  | 2,738  | 3,594  | 3,437             | Louisiana.....                       | 270   | 673   | 699   | 637               |
| Illinois.....                            | 3,015  | 1,987  | 2,246  | 2,340             | Oklahoma.....                        | 1,238 | 766   | 901   | 1,030             |
| Michigan.....                            | 5,920  | 5,295  | 5,008  | 4,933             | Texas.....                           | 1,238 | 1,416 | 1,290 | 1,446             |
| Wisconsin.....                           | 3,476  | 2,465  | 2,907  | 3,381             | <b>Mountain.</b>                     |       |       |       |                   |
| <b>West North Central.</b>               |        |        |        |                   | Montana.....                         | 3,962 | 3,211 | 3,263 | 3,040             |
| Minnesota.....                           | 11,521 | 7,867  | 9,288  | 9,222             | Idaho.....                           | 1,974 | 2,791 | 5,046 | 3,189             |
| Iowa.....                                | 3,148  | 1,469  | 1,636  | 1,719             | Wyoming.....                         | 150   | 162   | 326   | 686               |
| Missouri.....                            | 2,592  | 1,503  | 2,220  | 1,919             | Colorado.....                        | 103   | 119   | 216   | 222               |
| North Dakota.....                        | 3,455  | 2,549  | 2,227  | 2,122             | New Mexico.....                      | 82    | 82    | 161   | 195               |
| South Dakota.....                        | 176    | 133    | 242    | 264               | Arizona.....                         | 492   | 430   | 546   | 597               |
| Nebraska.....                            | 334    | 241    | 399    | 419               | Utah.....                            | 174   | 194   | 305   | 301               |
| Kansas.....                              | 771    | 1,026  | 1,157  | 1,341             | Nevada.....                          | 161   | 126   | 267   | 313               |
| <b>South Atlantic.</b>                   |        |        |        |                   | Pacific.....                         | 164   | 243   | 350   | 330               |
| Delaware.....                            | 1,046  | 1,406  | 1,438  |                   | Washington.....                      | 648   | 1,435 | 2,875 | 546               |
| Maryland.....                            | 7,051  | 5,022  | 7,673  | 7,531             | Oregon.....                          | 6,496 | 5,984 | 6,745 | 6,945             |
| District of Columbia.....                | 298    | 252    | 303    | 171               | California.....                      | 1,289 | 887   | 1,117 | 1,230             |
| Virginia.....                            | 1,557  | 835    | 1,283  | 983               | Unspecified.....                     | 523   | 330   | 556   | 882               |
|                                          | 1,070  | 943    | 828    | 832               | Exports direct by manufacturers..... | 4,684 | 4,967 | 5,072 | 6,773             |
|                                          | 906    | 921    | 1,258  | 1,240             |                                      | 169   | 306   | 55    | 539               |

<sup>1</sup> Preliminary.

<sup>2</sup> Includes shipments to Alaska, Hawaii, and Puerto Rico.

Source of tables 760 and 761: Bureau of Mines, Department of the Interior.

## No. 762.—CEMENT PRODUCTION: QUANTITY, BY KINDS, AND TOTAL VALUE

NOTE.—Portland cement is expressed in barrels of 376 pounds; masonry, natural, and puzzolan cement in 1921 and later years in 376-pound barrels but prior to 1921 in barrels of 240, 265, and 320 pounds, respectively. For 1912 through 1924 the figures for masonry, natural, and puzzolan cement represent shipments

| Year      | Production in thousands of barrels |          |                                | Total value in thousands of dollars | Year                    | Production in thousands of barrels |          |                                | Total value in thousands of dollars |
|-----------|------------------------------------|----------|--------------------------------|-------------------------------------|-------------------------|------------------------------------|----------|--------------------------------|-------------------------------------|
|           | Total                              | Portland | Masonry, natural, and puzzolan |                                     |                         | Total                              | Portland | Masonry, natural, and puzzolan |                                     |
| 1890..... | 7,777                              | 336      | 7,441                          | 4,527                               | 1921.....               | 99,381                             | 98,842   | 539                            | 187,708                             |
| 1895..... | 8,731                              | 990      | 7,741                          | 5,482                               | 1922.....               | 115,679                            | 114,790  | 889                            | 203,324                             |
| 1900..... | 17,231                             | 8,482    | 8,749                          | 13,284                              | 1923.....               | 138,732                            | 137,460  | 1,272                          | 253,122                             |
| 1905..... | 40,102                             | 36,247   | 4,855                          | 35,932                              | 1924.....               | 150,777                            | 149,358  | 1,418                          | 272,346                             |
| 1909..... | 66,090                             | 64,901   | 1,098                          | 53,011                              | 1925.....               | 163,388                            | 161,659  | 1,729                          | 281,076                             |
| 1910..... | 77,786                             | 76,560   | 1,235                          | 68,752                              | 1926.....               | 166,635                            | 164,580  | 2,105                          | 280,786                             |
| 1911..... | 70,548                             | 78,529   | 1,019                          | 60,705                              | 1927.....               | 176,330                            | 173,207  | 2,124                          | 281,736                             |
| 1912..... | 83,351                             | 82,438   | 913                            | 67,462                              | 1928.....               | 178,500                            | 179,299  | 2,210                          | 278,883                             |
| 1913..... | 92,949                             | 92,097   | 852                            | 93,001                              | 1929.....               | 172,856                            | 170,046  | 2,209                          | 255,105                             |
| 1914..... | 89,050                             | 88,230   | 820                            | 82,204                              | 1930.....               | 162,989                            | 161,197  | 1,792                          | 231,249                             |
| 1915..... | 86,708                             | 85,915   | 794                            | 74,285                              | 1931.....               | 126,671                            | 125,429  | 1,242                          | 142,580                             |
| 1916..... | 92,363                             | 91,521   | 842                            | 101,379                             | 1932.....               | 77,198                             | 76,741   | 457                            | 182,718                             |
| 1917..... | 93,454                             | 92,814   | 639                            | 126,106                             | 1933.....               | 63,940                             | 63,473   | 467                            | 186,172                             |
| 1918..... | 71,515                             | 71,082   | 433                            | 114,132                             | 1934.....               | 78,419                             | 77,748   | 672                            | 117,832                             |
| 1919..... | 81,307                             | 80,778   | 529                            | 138,714                             | 1935 <sup>1</sup> ..... | 77,757                             | 76,751   | 1,006                          | 114,942                             |
| 1920..... | 100,791                            | 100,023  | 767                            | 203,198                             |                         |                                    |          |                                |                                     |

<sup>1</sup> Value of shipments.<sup>2</sup> Preliminary.

Source: Bureau of Mines, Department of the Interior.

## No. 763.—STONE: PRODUCTION (SALES), BY VARIETIES AND USES

| Variety and use                                      | Quantity sold, thousands of short tons (2,000 pounds) <sup>1</sup> |         |        |        |        |        |                   | Value, 1,000 dollars |                   |
|------------------------------------------------------|--------------------------------------------------------------------|---------|--------|--------|--------|--------|-------------------|----------------------|-------------------|
|                                                      | 1920                                                               | 1930    | 1931   | 1932   | 1933   | 1934   | 1935 <sup>2</sup> | 1934                 | 1935 <sup>2</sup> |
| Total.....                                           | 141,110                                                            | 125,968 | 97,933 | 70,644 | 70,232 | 92,064 | 76,379            | 98,980               | 82,490            |
| Granite.....                                         | 10,827                                                             | 10,047  | 8,068  | 5,119  | 4,422  | 6,792  | 6,190             | 14,889               | 14,248            |
| Basalt and related rocks.....                        | 14,872                                                             | 14,532  | 12,553 | 9,320  | 7,394  | 11,643 | 8,828             | 11,270               | 8,234             |
| Sandstone.....                                       | 5,790                                                              | 4,594   | 4,582  | 2,073  | 2,800  | 3,605  | 2,831             | 4,714                | 3,896             |
| Marble.....                                          | 554                                                                | 477     | 350    | 343    | 225    | 177    | 122               | 3,371                | 3,020             |
| Limestone.....                                       | 100,687                                                            | 88,741  | 60,751 | 46,914 | 45,922 | 57,502 | 53,606            | 53,791               | 47,255            |
| All other.....                                       | 8,380                                                              | 8,604   | 5,020  | 5,968  | 9,450  | 12,345 | 6,802             | 10,045               | 5,837             |
| Building stone.....                                  | 2,647                                                              | 2,322   | 1,680  | 1,206  | 879    | 711    | 774               | 8,539                | 7,012             |
| Monumental.....                                      | 366                                                                | 291     | 237    | 168    | 160    | 187    | 185               | 6,227                | 6,391             |
| Paving blocks.....                                   | 300                                                                | 295     | 197    | 72     | 60     | 64     | 77                | 618                  | 849               |
| Curbing.....                                         | 336                                                                | 262     | 171    | 80     | 56     | 79     | 71                | 885                  | 833               |
| Flagging.....                                        | 88                                                                 | 82      | 50     | 26     | 14     | 23     | 23                | 190                  | 232               |
| Rubble.....                                          | 908                                                                | 1,067   | 432    | 179    | 142    | 203    | 285               | 318                  | 369               |
| Riprap.....                                          | 4,213                                                              | 4,292   | 4,223  | 3,462  | 3,465  | 6,053  | 5,324             | 5,894                | 5,007             |
| Crushed stone.....                                   | 92,721                                                             | 87,111  | 72,624 | 51,995 | 45,491 | 60,568 | 51,076            | 50,467               | 45,758            |
| Furnace flux (limestone and marble).....             | 24,394                                                             | 17,091  | 9,727  | 3,691  | 7,985  | 9,231  | 11,110            | 6,298                | 7,304             |
| Refractory stone.....                                | 1,568                                                              | 1,198   | 611    | 197    | 501    | 677    | 780               | 863                  | 1,043             |
| Manufacturing industries (limestone and marble)..... | 7,431                                                              | 6,021   | 4,501  | 4,369  | 5,638  | 5,373  |                   | 4,494                |                   |
| Agricultural limestone and other.....                | 6,147                                                              | 6,967   | 3,490  | 4,808  | 6,045  | 8,804  | 8,673             | 8,188                | 7,632             |

<sup>1</sup> Quantities of stones not sold by the short ton are expressed in the approximate equivalent in short tons; expressed in their selling units the quantities are as follows for 1935: Building stone, 9,014,000 cubic feet; monumental stone, 2,284,000 cubic feet; paving blocks, 9,270,000; curbing, 876,000 cubic feet; and flagging, 280,000 cubic feet.

<sup>2</sup> Preliminary.

Source: Bureau of Mines, Department of the Interior.



## No. 764.—CLAY PRODUCTS: PRODUCTION

| Industry and product                                                               | Unit                   | Quantity<br>(thousands of unit specified) |             |             | Value<br>(thousands of dollars) |          |         |
|------------------------------------------------------------------------------------|------------------------|-------------------------------------------|-------------|-------------|---------------------------------|----------|---------|
|                                                                                    |                        | 1929                                      | 1931        | 1933        | 1929                            | 1931     | 1933    |
| CLAY PRODUCTS (EXCEPT POTTERY) AND NONCLAY REFRACTORIES                            |                        |                                           |             |             |                                 |          |         |
| Total value.....                                                                   |                        |                                           |             |             | 284, 488                        | 127, 468 | 64, 841 |
| Brick:                                                                             |                        |                                           |             |             |                                 |          |         |
| Common.....                                                                        | Number.....            | 5, 505, 359                               | 2, 314, 604 | 1, 019, 810 | 58, 733                         | 21, 652  | 8, 816  |
| Vitrified.....                                                                     | do.....                | 367, 650                                  | 207, 380    | 93, 111     | 7, 504                          | 4, 200   | 1, 224  |
| Face.....                                                                          | do.....                | 2, 139, 408                               | 903, 226    | 270, 323    | 36, 120                         | 13, 271  | 3, 807  |
| Enameled.....                                                                      | do.....                | 17, 137                                   | 8, 605      | 4, 292      | 1, 259                          | 484      | 172     |
| Drain tile.....                                                                    | Ton <sup>1</sup> ..... | 859                                       | 253         | 168         | 0, 516                          | 1, 667   | 1, 127  |
| Sewer pipe.....                                                                    | do.....                | 1, 675                                    | 823         | 451         | 21, 330                         | 9, 448   | 4, 911  |
| Architectural terra cotta.....                                                     | do.....                | 134                                       | 55          | 26          | 13, 921                         | 5, 492   | 1, 831  |
| Hollow building tile or block.....                                                 | do.....                | 4, 164                                    | 1, 928      | 608         | 30, 142                         | 11, 172  | 2, 836  |
| Tile (not drain):                                                                  |                        |                                           |             |             |                                 |          |         |
| Roofing.....                                                                       | Squares.....           | 371                                       | 285         | 103         | 3, 944                          | 3, 125   | 911     |
| Floor (including plain, vitreous, encaustic, quarry, etc.).                        | Sq. ft.....            | 15, 887                                   | 12, 181     | 5, 793      | 3, 773                          | 2, 052   | 887     |
| Ceramic mosaic (vitreous and semivitreous).....                                    | do.....                | 18, 052                                   | 8, 744      | 4, 229      | 3, 738                          | 1, 781   | 699     |
| Faience (including art, enameled, and hand-decorated).....                         | do.....                | 19, 367                                   | 21, 431     | 8, 401      | 10, 136                         | 7, 749   | 2, 386  |
| Wall (thin, white glazed, etc.).....                                               | do.....                | 30, 443                                   | 17, 716     | 9, 930      | 11, 254                         | 4, 993   | 1, 552  |
| Stoveling.....                                                                     | Ton <sup>1</sup> ..... | 17                                        | 9           | 6           | 468                             | 317      | 224     |
| Fire-clay products (shaped):                                                       |                        |                                           |             |             |                                 |          |         |
| Brick, block, etc. <sup>2</sup> .....                                              | Number.....            | 962, 129                                  | 423, 061    | 382, 076    | 38, 284                         | 16, 419  | 13, 834 |
| Special shapes.....                                                                | Ton <sup>1</sup> ..... | 182                                       | 127         | 107         | 4, 062                          | 3, 068   | 2, 293  |
| All other clay products.....                                                       |                        |                                           |             |             | 14, 068                         | 6, 344   | 5, 260  |
| Silica brick.....                                                                  | Number.....            | 204, 402                                  | 103, 557    | 110, 889    | 15, 165                         | 5, 132   | 4, 655  |
| Other nonclay refractories.....                                                    |                        |                                           |             |             | 14, 041                         | 9, 036   | 7, 415  |
| POTTERY                                                                            |                        |                                           |             |             |                                 |          |         |
| Total value.....                                                                   |                        |                                           |             |             | 112, 019                        | 66, 583  | 44, 024 |
| Red earthenware (flower pots, etc.).                                               |                        |                                           |             |             | 2, 798                          | 2, 034   | 1, 207  |
| Stoneware (except chemical) and yellow and Rockingham ware.                        |                        |                                           |             |             | 4, 144                          | 3, 300   | 2, 222  |
| White ware, cream color, white granite, semiporcelain, and semivitreous porcelain. |                        |                                           |             |             | 32, 067                         | 20, 108  | 15, 005 |
| Hotel china.....                                                                   |                        |                                           |             |             | 10, 476                         | 6, 595   | 5, 008  |
| Vitreous china plumbing fixtures.                                                  |                        |                                           |             |             | 24, 992                         | 12, 894  | 7, 709  |
| Porcelain electrical supplies.....                                                 |                        |                                           |             |             | 22, 136                         | 13, 154  | 7, 056  |
| Sagger.....                                                                        |                        |                                           |             |             | 1, 308                          | 645      | 326     |
| All other products.....                                                            |                        |                                           |             |             | 14, 098                         | 7, 853   | 5, 491  |

<sup>1</sup> Of 2,000 pounds.<sup>2</sup> Brick, block, or tile for locomotive and other fire-box lining, etc. (8-inch equivalent); and high alumina brick.

## No. 765.—GLASS AND GLASSWARE: PRODUCTION

| Product                                                                            | Quantity (thousands of square feet) |                                                  |                                              |                                                       | Value (thousands of dollars)                 |                                                       |
|------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------|----------------------------------------------|-------------------------------------------------------|----------------------------------------------|-------------------------------------------------------|
|                                                                                    | 1929                                | 1931<br>As published;<br>comparable with<br>1929 | 1931<br>Comparable with<br>1933 <sup>1</sup> | 1933<br>Reported on standard<br>schedule <sup>1</sup> | 1931<br>Comparable with<br>1933 <sup>1</sup> | 1933<br>Reported on standard<br>schedule <sup>1</sup> |
| Total value.....                                                                   |                                     |                                                  |                                              |                                                       | 208, 604                                     | 184, 509                                              |
| Window glass.....                                                                  | 402, 559                            | 266, 772                                         | 258, 217                                     | 249, 442                                              | 9, 998                                       | 10, 457                                               |
| Obscured glass, including cathedral and skylight glass and opalescent sheet glass. | 34, 294                             | 17, 796                                          | 15, 659                                      | 10, 858                                               | 2, 137                                       | 2, 691                                                |
| Wire glass, rough and polished.                                                    | 42, 817                             | 15, 664                                          | 14, 802                                      |                                                       | 1, 713                                       | 45, 398                                               |
| Pressed and blown glass (except containers).                                       |                                     |                                                  |                                              |                                                       | 54, 319                                      | 90, 362                                               |
| Containers.....                                                                    |                                     |                                                  |                                              |                                                       | 105, 118                                     | 26, 702                                               |
| Plate glass, polished.....                                                         |                                     |                                                  |                                              |                                                       | 25, 765                                      |                                                       |
| Other glass products.....                                                          |                                     |                                                  |                                              |                                                       | 9, 555                                       |                                                       |

<sup>1</sup> For reason of adjustment, see last paragraph of general note, p. 733.

Source of tables 764 and 765: Bureau of the Census, Department of Commerce.

## No. 766.—PRODUCTION OF PRINCIPAL BURNED-CLAY BUILDING MATERIALS

| Year | Brick (millions) |              |       | Value (thousands of dollars) |              |        |                            |                       |                  |            |            |
|------|------------------|--------------|-------|------------------------------|--------------|--------|----------------------------|-----------------------|------------------|------------|------------|
|      | Com-mon          | Vitri-fied † | Face  | Brick                        |              |        | Architec-tural terra cotta | Hollow build-ing tile | Tile (not drain) | Sewer pipe | Fire brick |
|      |                  |              |       | Com-mon                      | Vitri-fied † | Face   |                            |                       |                  |            |            |
| 1916 | 6,851            | 953          | 856   | 42,145                       | 12,231       | 9,536  | 4,796                      | 7,801                 | 5,186            | 11,250     | 15,800     |
| 1919 | 4,762            | 489          | 791   | 63,585                       | 11,615       | 16,033 | 3,988                      | 17,965                | 8,137            | 16,755     | 38,010     |
| 1920 | 4,852            | 468          | 787   | 82,216                       | 12,679       | 19,441 | 10,852                     | 27,112                | 12,470           | 26,371     | 53,416     |
| 1921 | 4,448            | 562          | 873   | 57,096                       | 12,870       | 18,128 | 9,068                      | 14,641                | 12,660           | 22,155     | 24,858     |
| 1922 | 5,899            | 517          | 1,417 | 72,613                       | 10,816       | 28,234 | 12,410                     | 19,708                | 16,697           | 33,600     | 31,367     |
| 1923 | 7,282            | 699          | 1,031 | 94,473                       | 15,570       | 38,892 | 13,486                     | 23,275                | 23,804           | 29,103     | 46,677     |
| 1924 | 7,169            | 554          | 2,080 | 86,682                       | 12,974       | 39,931 | 16,446                     | 24,698                | 24,842           | 32,400     | 40,621     |
| 1925 | 7,562            | 639          | 2,476 | 88,551                       | 11,876       | 45,428 | 19,139                     | 29,264                | 27,124           | 30,421     | 41,164     |
| 1926 | 7,517            | 498          | 2,440 | 88,227                       | 10,285       | 44,516 | 19,607                     | 27,618                | 34,985           | 28,303     | 42,707     |
| 1927 | 7,091            | 503          | 2,413 | 78,408                       | 10,764       | 41,521 | 16,028                     | 29,499                | 32,769           | 28,426     | 38,174     |
| 1928 | 6,413            | 378          | 2,412 | 69,333                       | 7,800        | 40,034 | 13,642                     | 25,792                | 31,623           | 23,969     | 37,392     |
| 1929 | 5,505            | 368          | 2,139 | 68,733                       | 7,504        | 36,120 | 13,921                     | 30,142                | 32,846           | 21,330     | 42,376     |
| 1930 | 3,631            | 300          | 1,482 | 37,433                       | 6,247        | 24,615 | 10,016                     | 22,219                | 25,934           | 15,964     | 36,054     |
| 1931 | 2,315            | 207          | 903   | 21,652                       | 4,266        | 13,271 | 5,492                      | 11,172                | 16,700           | 9,448      | 19,487     |
| 1932 | 1,013            | 133          | 384   | 8,705                        | 2,642        | 5,273  | 2,317                      | 4,209                 | 8,108            | 3,745      | 9,924      |
| 1933 | 1,020            | 93           | 270   | 8,816                        | 1,224        | 3,807  | 1,881                      | 2,636                 | 6,435            | 4,911      | 16,127     |
| 1934 | 1,009            | 114          | 305   | 11,419                       | 2,434        | 4,749  | 1,128                      | 3,904                 | 6,705            | 7,913      | 19,243     |

<sup>1</sup> Vitrified brick or block.

Sources: Bureau of the Census and Bureau of Mines, Departments of Commerce and the Interior.

## No. 767.—SALT: PRODUCTION, BY STATES AND KINDS; EXPORTS AND IMPORTS

NOTE.—All quantity figures in short tons (2,000 pounds). Production figures represent sales plus that used by producers; they include Puerto Rico. Imports are imports for consumption

| Year | Production | Exports | Imports | Year | Production | Exports | Imports |
|------|------------|---------|---------|------|------------|---------|---------|
| 1880 | 834,648    | 1,642   | 509,703 | 1925 | 7,397,500  | 155,079 | 85,788  |
| 1885 | 985,411    | 2,108   | 440,290 | 1926 | 7,371,600  | 158,908 | 55,994  |
| 1890 | 1,242,770  | 2,464   | 267,323 | 1927 | 7,568,680  | 163,832 | 44,988  |
| 1895 | 1,913,751  | 3,602   | 279,676 | 1928 | 8,074,700  | 145,396 | 42,556  |
| 1900 | 2,921,708  | 7,511   | 199,909 | 1929 | 8,543,590  | 109,222 | 36,450  |
| 1905 | 3,635,257  | 34,238  | 161,159 | 1930 | 8,054,440  | 70,478  | 54,021  |
| 1910 | 4,242,792  | 49,013  | 137,103 | 1931 | 7,358,070  | 98,710  | 33,216  |
| 1915 | 5,352,409  | 80,474  | 122,826 | 1932 | 6,407,973  | 63,561  | 28,018  |
| 1920 | 6,840,029  | 139,272 | 137,654 | 1933 | 7,604,972  | 105,178 | 30,132  |
| 1923 | 7,130,713  | 125,629 | 88,750  | 1934 | 7,612,074  | 105,366 | 53,124  |
| 1924 | 6,803,115  | 144,945 | 88,938  | 1935 | 7,926,397  | 112,212 | 51,245  |

| State or kind              | 1910      | 1915       | 1920       | 1925       | 1930       | 1934       | 1935       |
|----------------------------|-----------|------------|------------|------------|------------|------------|------------|
| Production, total          | 4,242,792 | 5,352,409  | 6,840,029  | 7,397,500  | 8,054,440  | 7,612,074  | 7,926,397  |
| By States:                 |           |            |            |            |            |            |            |
| Michigan                   | 1,323,283 | 1,762,430  | 2,262,916  | 2,172,600  | 2,558,290  | 2,012,870  | 2,128,171  |
| New York                   | 1,629,953 | 1,570,445  | 1,903,101  | 2,053,970  | 2,009,280  | 1,866,280  | 1,927,822  |
| Ohio                       | 514,839   | 823,234    | 1,057,802  | 1,173,590  | 1,311,440  | 1,432,262  | 1,457,315  |
| Kansas                     | 393,603   | 527,123    | 783,655    | 812,540    | 759,800    | 768,133    | 698,204    |
| Louisiana                  | (1)       | (2)        | 265,085    | 500,350    | 535,250    | 667,289    | 702,990    |
| California                 | 131,252   | 146,784    | 212,008    | 292,480    | 350,370    | 341,893    | 356,222    |
| Texas                      | 53,603    | 62,297     | 91,103     | (2)        | (2)        | 208,970    | 288,806    |
| Utah                       | 34,979    | 55,279     | 75,259     | 88,150     | 85,240     | (2)        | 57,625     |
| West Virginia              | 21,788    | 32,513     | 29,802     | 25,870     | 28,670     | 66,766     | 55,988     |
| Undistributed              | 140,093   | 872,303    | 169,299    | 277,950    | 416,100    | 348,072    | 323,771    |
| By kinds:                  |           |            |            |            |            |            |            |
| Manufactured (evapo-rated) | 1,953,069 | 2,335,823  | 2,409,924  | 2,235,170  | 2,358,610  | 2,281,453  | 2,330,042  |
| In brine                   | 1,814,492 | 1,851,199  | 2,819,916  | 2,819,696  | 3,718,460  | 3,417,439  | 3,537,613  |
| Rock salt                  | 975,231   | 1,165,387  | 1,610,189  | 2,342,640  | 1,977,370  | 1,913,182  | 1,766,242  |
| Total value (dollars)      | 7,800,344 | 11,747,686 | 20,894,075 | 26,162,361 | 35,009,480 | 22,850,797 | 21,088,841 |

<sup>1</sup> Louisiana is included with New York.<sup>2</sup> Included in "Undistributed."

Source: Bureau of Mines, Department of the Interior.

# No. 768.—ACCIDENT RATES IN ALL BRANCHES OF THE MINERAL INDUSTRY, 1921 TO 1934

| Year | Average days active | Men employed  |                               | Man shifts  | Number killed | Number injured <sup>1</sup> | Number killed or injured per thousand 300-day workers |                      |
|------|---------------------|---------------|-------------------------------|-------------|---------------|-----------------------------|-------------------------------------------------------|----------------------|
|      |                     | Actual number | Equivalent in 300-day workers |             |               |                             | Killed                                                | Injured <sup>1</sup> |
|      |                     |               |                               |             |               |                             |                                                       |                      |
| 1921 | 188                 | 1,044,001     | 653,414                       | 196,024,209 | 2,381         | 85,416                      | 3.6                                                   | 198.0                |
| 1922 | 174                 | 1,092,863     | 635,290                       | 190,689,710 | 2,620         | 40,307                      | 4.0                                                   | 201.1                |
| 1923 | 222                 | 1,153,894     | 852,145                       | 255,943,525 | 3,071         | 50,570                      | 3.6                                                   | 203.9                |
| 1924 | 220                 | 1,073,030     | 737,065                       | 236,119,757 | 3,031         | 57,766                      | 3.9                                                   | 201.1                |
| 1925 | 222                 | 1,049,579     | 777,895                       | 238,368,875 | 3,826         | 58,704                      | 3.6                                                   | 197.2                |
| 1926 | 242                 | 1,068,843     | 855,632                       | 256,689,813 | 3,201         | 52,752                      | 3.7                                                   | 178.1                |
| 1927 | 225                 | 1,044,537     | 782,635                       | 234,790,200 | 2,797         | 45,618                      | 3.6                                                   | 163.2                |
| 1928 | 231                 | 951,449       | 733,728                       | 220,118,341 | 2,639         | 38,717                      | 3.6                                                   | 146.1                |
| 1929 | 243                 | 928,648       | 752,809                       | 225,842,583 | 2,728         | 38,806                      | 3.6                                                   | 143.1                |
| 1930 | 217                 | 888,514       | 641,740                       | 192,524,971 | 2,492         | 130,580                     | 3.9                                                   | 203.6                |
| 1931 | 188                 | 784,347       | 492,009                       | 147,602,799 | 1,707         | 90,412                      | 3.5                                                   | 196.0                |
| 1932 | 165                 | 671,343       | 398,852                       | 110,655,616 | 1,368         | 68,717                      | 3.7                                                   | 186.3                |
| 1933 | 181                 | 677,722       | 409,292                       | 122,787,058 | 1,242         | 72,342                      | 3.0                                                   | 176.7                |
| 1934 | 105                 | 739,817       | 481,886                       | 144,560,133 | 1,371         | 81,060                      | 2.8                                                   | 169.5                |

<sup>1</sup> Excluding coal mines prior to 1930. Data excluding coal mines are: Number injured, 1930, 26,759; 1931, 16,063; 1932, 9,745; 1933, 11,029; 1934, 13,652; number injured per thousand 300-day workers, 1930, 117.0; 1931, 99.7; 1932, 91.6; 1933, 98.6; 1934, 100.8.

Source: Bureau of Mines, Department of the Interior.

# No. 769.—ACCIDENTS IN MINERAL INDUSTRIES: BY GROUPS OF INDUSTRIES

NOTE.—Figures for metal mines include mines producing nonmetallic minerals other than coal

| Year                  | Number employed |                               | Killed | Injured   |           | Year                      | Number employed |                               | Killed | Injured   |           |
|-----------------------|-----------------|-------------------------------|--------|-----------|-----------|---------------------------|-----------------|-------------------------------|--------|-----------|-----------|
|                       | Actual number   | Equivalent in 300-day workers |        | Temporary | Permanent |                           | Actual number   | Equivalent in 300-day workers |        | Temporary | Permanent |
| Metal mines:          |                 |                               |        |           |           | Metallurgical plants—Con. |                 |                               |        |           |           |
| 1915                  | 152,118         | 141,997                       | 553    | 84,686    | 609       | 1931                      | 28,938          | 28,806                        | 16     | 1,304     | 89        |
| 1920                  | 136,583         | 134,540                       | 425    | 32,205    | 357       | 1932                      | 21,564          | 18,474                        | 8      | 778       | 69        |
| 1925                  | 126,713         | 123,908                       | 371    | 34,458    | 674       | 1933                      | 21,999          | 19,583                        | 13     | 1,018     | 61        |
| 1926                  | 127,823         | 123,870                       | 430    | 20,773    | 577       | 1934                      | 20,932          | 24,552                        | 13     | 1,243     | 77        |
| 1927                  | 119,699         | 113,447                       | 352    | 24,605    | 528       | Coke ovens:               |                 |                               |        |           |           |
| 1928                  | 113,866         | 109,345                       | 273    | 21,914    | 559       | 1916                      | 31,603          | 34,119                        | 45     | 5,164     | 83        |
| 1929                  | 118,735         | 115,394                       | 350    | 22,615    | 477       | 1920                      | 28,139          | 20,921                        | 49     | 3,336     | 79        |
| 1930                  | 103,233         | 92,990                        | 271    | 15,091    | 503       | 1925                      | 23,254          | 24,054                        | 28     | 1,652     | 44        |
| 1931                  | 80,940          | 62,405                        | 158    | 6,402     | 307       | 1926                      | 23,115          | 24,288                        | 51     | 1,874     | 48        |
| 1932                  | 53,238          | 36,984                        | 107    | 4,837     | 177       | 1927                      | 20,667          | 23,223                        | 25     | 1,232     | 53        |
| 1933                  | 57,016          | 38,807                        | 95     | 5,793     | 132       | 1928                      | 19,390          | 21,710                        | 17     | 979       | 33        |
| 1934                  | 66,645          | 49,077                        | 116    | 7,699     | 193       | 1929                      | 22,459          | 25,724                        | 22     | 1,293     | 36        |
| Quarries:             |                 |                               |        |           |           | 1930                      | 19,855          | 22,930                        | 28     | 990       | 32        |
| 1915                  | 100,740         | 82,447                        | 148    | 9,148     | 523       | 1931                      | 15,564          | 18,163                        | 9      | 499       | 35        |
| 1920                  | 86,488          | 77,089                        | 178    | 10,880    | 337       | 1932                      | 12,002          | 13,862                        | 14     | 298       | 22        |
| 1925                  | 91,872          | 83,487                        | 149    | 13,713    | 452       | 1933                      | 13,598          | 15,009                        | 11     | 366       | 22        |
| 1926                  | 91,146          | 82,361                        | 154    | 12,770    | 431       | 1934                      | 15,483          | 18,096                        | 14     | 490       | 26        |
| 1927                  | 91,517          | 82,609                        | 135    | 13,094    | 365       | Coal mines:               |                 |                               |        |           |           |
| 1928                  | 89,667          | 81,325                        | 119    | 10,207    | 361       | 1911                      | 728,348         | 534,122                       | 2,856  | (1)       | (1)       |
| 1929                  | 85,567          | 76,559                        | 129    | 9,510     | 300       | 1915                      | 734,008         | 511,598                       | 2,260  | (1)       | (1)       |
| 1930                  | 80,633          | 68,531                        | 105    | 7,152     | 265       | 1920                      | 734,621         | 601,283                       | 2,272  | (1)       | (1)       |
| 1931                  | 60,200          | 51,755                        | 61     | 5,222     | 205       | 1923                      | 802,536         | 560,000                       | 2,462  | (1)       | (1)       |
| 1932                  | 56,866          | 37,047                        | 32     | 3,464     | 110       | 1924                      | 779,613         | 490,896                       | 2,402  | (1)       | (1)       |
| 1933                  | 61,927          | 37,874                        | 59     | 3,526     | 111       | 1925                      | 748,805         | 480,227                       | 2,284  | (1)       | (1)       |
| 1934                  | 64,331          | 43,694                        | 60     | 3,807     | 117       | 1926                      | 759,093         | 559,426                       | 2,518  | (1)       | (1)       |
| Metallurgical plants: |                 |                               |        |           |           | 1927                      | 759,177         | 503,065                       | 2,231  | (1)       | (1)       |
| 1916                  | 80,201          | 88,596                        | 83     | 14,863    | 217       | 1928                      | 682,831         | 468,680                       | 2,176  | (1)       | (1)       |
| 1920                  | 59,232          | 65,587                        | 61     | 8,714     | 149       | 1929                      | 654,064         | 451,545                       | 2,187  | (1)       | (1)       |
| 1925                  | 58,935          | 66,220                        | 44     | 7,480     | 231       | 1930                      | 644,006         | 412,979                       | 2,063  | 101,093   | 2,728     |
| 1926                  | 57,726          | 65,687                        | 48     | 7,052     | 227       | 1931                      | 589,705         | 330,880                       | 1,403  | 78,478    | 1,871     |
| 1927                  | 53,477          | 60,291                        | 54     | 5,533     | 208       | 1932                      | 527,623         | 282,484                       | 1,207  | 57,445    | 1,527     |
| 1928                  | 45,695          | 52,668                        | 44     | 4,473     | 181       | 1933                      | 523,132         | 297,419                       | 1,064  | 59,972    | 1,341     |
| 1929                  | 47,399          | 53,587                        | 43     | 4,368     | 206       | 1934                      | 566,426         | 346,467                       | 1,226  | 66,304    | 1,704     |
| 1930                  | 40,787          | 44,403                        | 25     | 2,570     | 150       | 1935                      | (1)             | (1)                           | 1,168  | (1)       | (1)       |

<sup>1</sup> Not available.

Source: Bureau of Mines, Department of the Interior.

## 32.—MANUFACTURES

[Data in this section relate to continental United States except as noted. For additional statistics regarding food manufacturing industries and mineral manufacturing industries see sections on Farm Animals and Animal Products, Farm Crops and Foodstuffs, and Mining and Mineral Products]

GENERAL NOTE.—Prior to 1899 census statistics of manufactures were collected decennially and from then to 1919 every five years. Beginning with 1921 data are being collected every two years. For the census of 1899 and previous censuses data were collected for both factories and hand and neighborhood industries. For the census years 1904 to 1919, inclusive, factories having products valued at \$500 or more were included, but the statistics beginning 1921 (except as to certain major items shown for that year in table 772 only), relate only to establishments having products valued at \$5,000 or more. However, in 1921, establishments having products valued at \$500 or more but less than \$5,000, while constituting 21.6 per cent of the total number of establishments, employed only six-tenths of 1 per cent of the total number of wage earners, and had an output of only three-tenths of 1 per cent of the total value of products.

The value of products represents the selling value at the factory. Figures of total cost of materials, etc., and total value of products for many individual industries, for all groups of industries, and especially for all industries combined, involve much duplication. This is due to the use of products of a given establishment as material for another in the same or a different industry.

The statistics for automobile repairing, collected for 1914 and 1919, have been excluded from tables 770 and 772. Figures in the third section of table 770 and in table 776 have been revised to exclude data for "Coffee and spices, roasting and grinding" for all years and "Peanuts, walnuts, and other nuts, processed or shelled", beginning 1927, no data having been collected for these industries at the 1933 Census. These revisions have not been made in tables 772 and 773. As there are no comparable figures for "Peanuts, walnuts, etc.," for years prior to 1927, no adjustment for this industry can be made in figures for earlier years. Data for "Poultry killing, dressing, and packing, wholesale" are included for all years except 1927, for which year this industry was not canvassed. In table 770, data for central-administrative-office employees have been excluded beginning 1923. The figures for 1914, 1919, and 1921, however, include such data.

At the census for 1933 the smaller establishments in many industries were canvassed by means of an abridged schedule which did not call for detailed data on production, and therefore the production figures (derived from data reported on the standard schedules) for certain industries are somewhat incomplete. In cases in which the degree of incompleteness was sufficient to affect the comparableness of the statistics for different census years, the figures for 1931 have been adjusted so as to make them comparable with those for 1933.

**No. 770.—MANUFACTURES: SUMMARY, 1849 TO 1933**

|                                                                                                                          | Number of establishments | Salaried officers and employees | Wage earners (average for the year) | Horse-power            | Salaries | Wages   | Cost of materials, fuel, and purchased electric energy | Value of products | Value added by manufacture |
|--------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------|-------------------------------------|------------------------|----------|---------|--------------------------------------------------------|-------------------|----------------------------|
|                                                                                                                          | In thousands             |                                 |                                     | In millions of dollars |          |         |                                                        |                   |                            |
| <b>Factories and hand and neighborhood industries:</b>                                                                   |                          |                                 |                                     |                        |          |         |                                                        |                   |                            |
| 1849.....                                                                                                                | 123                      | (1)                             | 957                                 | (2)                    | (1)      | 237     | 555                                                    | 1,019             | 464                        |
| 1859.....                                                                                                                | 140                      | (1)                             | 1,311                               | (2)                    | (1)      | 379     | 1,032                                                  | 1,883             | 854                        |
| 1869.....                                                                                                                | 252                      | (1)                             | 2,054                               | *2,846                 | (1)      | 620     | 1,091                                                  | 3,286             | 1,395                      |
| 1879.....                                                                                                                | 264                      | (1)                             | 2,733                               | *5,411                 | (1)      | 948     | 3,897                                                  | 5,370             | 1,978                      |
| 1889.....                                                                                                                | 355                      | (1)                             | 4,252                               | *5,939                 | (1)      | 1,891   | 5,162                                                  | 9,872             | 4,210                      |
| 1899.....                                                                                                                | 512                      | (1)                             | 5,306                               | *10,068                | (1)      | 2,321   | 7,944                                                  | 13,000            | 5,657                      |
| <b>Factories, excluding hand and neighborhood industries and establishments with products valued at less than \$500:</b> |                          |                                 |                                     |                        |          |         |                                                        |                   |                            |
| 1899.....                                                                                                                | 208                      | 364                             | 4,713                               | (1)                    | 381      | 2,008   | 6,576                                                  | 11,407            | 4,831                      |
| 1904.....                                                                                                                | 216                      | 520                             | 5,468                               | *13,488                | 574      | 2,610   | 5,500                                                  | 14,794            | 6,294                      |
| 1909.....                                                                                                                | 268                      | 790                             | 6,616                               | *18,675                | 939      | 3,427   | 12,143                                                 | 20,672            | 8,529                      |
| 1914.....                                                                                                                | 373                      | 963                             | 7,024                               | *22,421                | 1,274    | 4,063   | 14,359                                                 | 24,217            | 9,858                      |
| <b>Factories, excluding establishments with products valued at less than \$5,000:</b>                                    |                          |                                 |                                     |                        |          |         |                                                        |                   |                            |
| 1914.....                                                                                                                | 176                      | *956                            | 8,888                               | *22,264                | *1,266   | *4,063  | 14,162                                                 | 23,837            | 9,975                      |
| 1919.....                                                                                                                | 214                      | *1,429                          | 8,960                               | *29,298                | *2,864   | *10,453 | 36,989                                                 | 61,737            | 24,748                     |
| 1921.....                                                                                                                | 161                      | 1,141                           | 6,938                               | (2)                    | 2,551    | 8,195   | 25,155                                                 | 43,427            | 18,272                     |
| 1923.....                                                                                                                | 196                      | 1,850                           | 8,708                               | 39,057                 | 3,001    | 10,999  | 34,481                                                 | 60,258            | 25,778                     |
| 1925.....                                                                                                                | 187                      | 1,256                           | 8,384                               | 35,773                 | 2,922    | 10,730  | 35,936                                                 | 62,714            | 26,773                     |
| 1927.....                                                                                                                | 191                      | 1,296                           | 8,334                               | 38,799                 | 3,216    | 10,836  | 34,808                                                 | 62,273            | 27,476                     |
| 1929.....                                                                                                                | 210                      | 1,364                           | 8,822                               | 42,899                 | 3,682    | 11,607  | 35,178                                                 | 69,961            | 31,763                     |
| 1931.....                                                                                                                | 174                      | (1)                             | 6,507                               | (2)                    | (1)      | 7,173   | 21,681                                                 | 41,038            | 19,358                     |
| 1933.....                                                                                                                | 142                      | *803                            | 6,056                               | (2)                    | *1,367   | 5,262   | 16,821                                                 | 31,369            | 14,538                     |

<sup>1</sup> No comparable data. <sup>2</sup> Data not collected. <sup>3</sup> Includes purchased power other than electric.

<sup>4</sup> Data approximately the same as given for factories and hand and neighborhood industries, as the amount of horsepower used in the latter is small.

<sup>5</sup> Includes data for all establishments reporting products valued at \$500 or more. This item was not tabulated separately for establishments reporting products valued between \$500 and \$5,000.

<sup>6</sup> Excluding data for salaried officers of corporations and their salaries.

Source: Bureau of the Census, Department of Commerce.

# No. 771.—MANUFACTURES: ESTABLISHMENTS CLASSIFIED ACCORDING TO AVERAGE NUMBER OF WAGE EARNERS

| Number of wage earners | 1929                     |                                         |                  |       | 1933                     |                                         |                  |       |
|------------------------|--------------------------|-----------------------------------------|------------------|-------|--------------------------|-----------------------------------------|------------------|-------|
|                        | Estab-<br>lish-<br>ments | Average<br>number<br>of wage<br>earners | Percent of total |       | Estab-<br>lish-<br>ments | Average<br>number<br>of wage<br>earners | Percent of total |       |
| Total                  | 209,862                  | 8,821,767                               | 100.0            | 100.0 | 141,769                  | 6,055,736                               | 100.0            | 100.0 |
| None                   | 7,805                    |                                         | 3.5              |       | 4,518                    |                                         | 3.2              |       |
| 1 to 5                 | 95,204                   | 278,391                                 | 45.4             | 3.1   | 57,152                   | 158,275                                 | 40.3             | 2.6   |
| 6 to 20                | 53,212                   | 592,402                                 | 26.3             | 6.7   | 40,176                   | 445,088                                 | 28.3             | 7.4   |
| 21 to 50               | 24,893                   | 810,305                                 | 11.9             | 9.2   | 18,576                   | 600,670                                 | 13.1             | 9.9   |
| 51 to 100              | 12,428                   | 888,802                                 | 5.9              | 10.1  | 9,262                    | 659,347                                 | 6.5              | 10.9  |
| 101 to 500             | 14,016                   | 2,917,345                               | 6.7              | 33.1  | 10,304                   | 2,126,216                               | 7.8              | 35.1  |
| 501 to 2,500           | 2,510                    | 2,319,258                               | 1.2              | 26.3  | 1,661                    | 1,519,974                               | 1.2              | 25.1  |
| 2,501 or more          | 206                      | 1,015,254                               | .1               | 11.5  | 120                      | 546,166                                 | .1               | 9.0   |

# No. 772.—MANUFACTURES: ESTABLISHMENTS, CLASSIFIED BY VALUE OF PRODUCTS<sup>1</sup>

NOTE.—See general note, p. 733. Data by size of establishments not compiled for 1927, 1931, and 1933

| Class of establishments accord-<br>ing to value of products | Establishments |                                   | Wage earners      |                                   | Value of products |                                   |
|-------------------------------------------------------------|----------------|-----------------------------------|-------------------|-----------------------------------|-------------------|-----------------------------------|
|                                                             | Number         | Per-<br>cent<br>distrib-<br>ution | Average<br>number | Per-<br>cent<br>distrib-<br>ution | Amount            | Per-<br>cent<br>distrib-<br>ution |
| Less than \$5,000: <sup>2</sup>                             |                |                                   |                   |                                   |                   |                                   |
| 1921                                                        | 53,999         |                                   | 40,924            | 0.6                               | 138,926,075       | 0.3                               |
| 1919                                                        | 80,215         |                                   | 41,252            | .5                                | 161,631,298       | .2                                |
| 1914                                                        | 95,408         |                                   | 127,405           | 1.8                               | 228,653,956       | .9                                |
| \$5,000 and over:                                           |                |                                   |                   |                                   |                   |                                   |
| 1929                                                        | 210,959        | 100.0                             | 8,838,743         | 100.0                             | 70,434,863,443    | 100.0                             |
| 1925                                                        | 187,390        | 100.0                             | 8,384,261         | 100.0                             | 62,713,713,730    | 100.0                             |
| 1923                                                        | 196,309        | 100.0                             | 8,778,155         | 100.0                             | 60,555,998,200    | 100.0                             |
| 1921                                                        | 196,267        | 100.0                             | 6,946,570         | 99.4                              | 43,653,232,333    | 98.7                              |
| 1919                                                        | 214,353        | 100.0                             | 9,000,059         | 99.5                              | 62,041,795,316    | 99.8                              |
| 1914                                                        | 177,110        | 100.0                             | 6,896,190         | 98.2                              | 23,987,880,617    | 99.1                              |
| \$5,000 to \$20,000:                                        |                |                                   |                   |                                   |                   |                                   |
| 1929                                                        | 69,423         | 32.9                              | 202,958           | 2.3                               | 771,417,436       | 1.1                               |
| 1925                                                        | 55,876         | 29.8                              | 158,373           | 1.9                               | 628,373,403       | 1.0                               |
| 1923                                                        | 61,981         | 31.6                              | 189,738           | 2.2                               | 697,996,736       | 1.1                               |
| 1921                                                        | 71,075         | 36.2                              | 224,862           | 3.2                               | 782,977,433       | 1.8                               |
| 1919                                                        | 76,699         | 37.2                              | 227,977           | 2.5                               | 866,086,290       | 1.4                               |
| 1914                                                        | 86,587         | 48.9                              | 423,829           | 6.0                               | 893,459,166       | 3.7                               |
| \$20,000 to \$100,000:                                      |                |                                   |                   |                                   |                   |                                   |
| 1929                                                        | 75,225         | 35.7                              | 693,155           | 7.8                               | 3,587,697,275     | 5.1                               |
| 1925                                                        | 68,951         | 36.8                              | 660,309           | 7.9                               | 3,272,196,872     | 5.2                               |
| 1923                                                        | 72,870         | 38.9                              | 718,746           | 8.2                               | 3,426,433,520     | 5.7                               |
| 1921                                                        | 72,251         | 36.8                              | 746,024           | 10.7                              | 3,330,350,409     | 7.6                               |
| 1919                                                        | 75,627         | 35.3                              | 773,701           | 8.6                               | 3,487,766,280     | 5.6                               |
| 1914                                                        | 56,557         | 31.9                              | 695,743           | 14.2                              | 2,540,949,405     | 10.5                              |
| \$100,000 to \$500,000:                                     |                |                                   |                   |                                   |                   |                                   |
| 1929                                                        | 44,153         | 20.9                              | 1,672,983         | 18.9                              | 10,023,771,653    | 14.2                              |
| 1925                                                        | 42,209         | 22.5                              | 1,675,911         | 20.0                              | 9,576,090,022     | 15.3                              |
| 1923                                                        | 42,075         | 21.4                              | 1,721,266         | 19.5                              | 9,496,592,898     | 15.7                              |
| 1921                                                        | 38,027         | 19.4                              | 1,629,673         | 23.3                              | 8,405,758,540     | 10.2                              |
| 1919                                                        | 39,447         | 18.4                              | 1,712,564         | 18.9                              | 8,629,364,110     | 14.4                              |
| 1914                                                        | 30,147         | 17.0                              | 3,000,612         | 42.7                              | 8,759,391,117     | 36.2                              |
| \$500,000 to \$1,000,000:                                   |                |                                   |                   |                                   |                   |                                   |
| 1929                                                        | 10,395         | 4.9                               | 1,121,547         | 12.7                              | 7,294,560,945     | 10.4                              |
| 1925                                                        | 9,771          | 5.2                               | 1,131,439         | 13.5                              | 6,370,112,293     | 11.0                              |
| 1923                                                        | 9,558          | 4.9                               | 1,184,897         | 12.9                              | 6,762,818,172     | 11.1                              |
| 1921                                                        | 7,581          | 3.9                               | 966,559           | 13.8                              | 5,299,720,583     | 12.1                              |
| 1919                                                        | 9,197          | 4.2                               | 1,112,815         | 12.3                              | 6,457,485,019     | 10.4                              |
| 1914                                                        | (9)            |                                   | (9)               |                                   | (9)               |                                   |
| \$1,000,000 and over:                                       |                |                                   |                   |                                   |                   |                                   |
| 1929                                                        | 11,763         | 5.6                               | 5,148,100         | 58.3                              | 48,787,116,133    | 69.2                              |
| 1925                                                        | 10,583         | 5.7                               | 4,760,229         | 56.7                              | 42,366,941,140    | 67.5                              |
| 1923                                                        | 10,327         | 5.2                               | 5,013,509         | 57.1                              | 40,182,156,874    | 66.4                              |
| 1921                                                        | 7,333          | 3.7                               | 3,379,662         | 48.4                              | 25,837,475,868    | 59.0                              |
| 1919                                                        | 10,413         | 4.9                               | 5,172,712         | 57.2                              | 42,301,103,617    | 68.0                              |
| 1914                                                        | 3,819          | 2.2                               | 2,476,006         | 35.3                              | 11,794,060,929    | 48.7                              |

<sup>1</sup> To make the percentages for the number of establishments comparable, those for all 8 years have been based on the number of establishments reporting products valued at \$5,000 or more. The percentages for other items, however, have not been similarly adjusted, the comparability of these percentages having been affected very slightly by the omission of small establishments in 1923, 1925, and 1929.

<sup>2</sup> No data for establishments with products under \$5,000 in value have been collected since 1921.

<sup>3</sup> Data for these 53,999 establishments are not included in other tables showing statistics for 1921.

<sup>4</sup> Includes data for the \$500,000 to \$1,000,000 class. <sup>5</sup> Data included with the \$100,000 to \$500,000 class.

Source of tables 771 and 772: Bureau of the Census, Department of Commerce.

# No. 773.—MANUFACTURES: PRIME MOVERS, MOTORS, AND GENERATORS, NUMBER AND RATED CAPACITY

NOTE.—See general note, p. 733. No data for prime movers were collected for 1931 and 1933

| Year, division, and industry group          | Estab-<br>lish-<br>ments<br>report-<br>ing<br>power<br>equip-<br>ment | Prime movers and electric motors driven by purchased energy |                               |                 |                                   |                 |                                       |                 |                                                    | Electric motors<br>driven by energy<br>generated in<br>establishments<br>reporting |             | Electric gen-<br>erators |             |                |
|---------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------|-----------------|-----------------------------------|-----------------|---------------------------------------|-----------------|----------------------------------------------------|------------------------------------------------------------------------------------|-------------|--------------------------|-------------|----------------|
|                                             |                                                                       | Aggregate<br>horse-<br>power                                | Steam engines and<br>turbines |                 | Internal<br>combustion<br>engines |                 | Water wheels<br>and water<br>turbines |                 | Electric motors<br>driven by pur-<br>chased energy |                                                                                    |             |                          |             |                |
|                                             |                                                                       |                                                             | Num-<br>ber                   | Horse-<br>power | Num-<br>ber                       | Horse-<br>power | Num-<br>ber                           | Horse-<br>power | Number                                             | Horse-<br>power                                                                    | Num-<br>ber | Horse-<br>power          | Num-<br>ber | Kilo-<br>watts |
| United States:                              |                                                                       |                                                             |                               |                 |                                   |                 |                                       |                 |                                                    |                                                                                    |             |                          |             |                |
| 1929                                        | 193, 969                                                              | 42, 931, 061                                                | 77, 225                       | 17, 361, 926    | 11, 288                           | 1, 233, 853     | 6, 523                                | 1, 559, 618     | 2, 724, 843                                        | 22, 775, 664                                                                       | 852, 432    | 12, 376, 376             | 17, 270     | 7, 793, 875    |
| 1927                                        | 174, 118                                                              | 38, 825, 681                                                | 73, 382                       | 16, 923, 931    | 12, 664                           | 1, 170, 774     | 7, 594                                | 1, 598, 666     | 2, 161, 675                                        | 19, 132, 810                                                                       | 790, 810    | 11, 219, 979             | 19, 028     | 7, 345, 685    |
| 1926                                        | 167, 649                                                              | 35, 772, 628                                                | 82, 176                       | 16, 916, 856    | 14, 362                           | 1, 186, 116     | 8, 393                                | 1, 800, 828     | 1, 724, 180                                        | 15, 868, 828                                                                       | 772, 445    | 10, 254, 745             | 23, 635     | 6, 837, 045    |
| 1923                                        | 173, 475                                                              | 33, 094, 228                                                | 90, 057                       | 16, 700, 993    | 15, 721                           | 1, 224, 262     | 9, 293                                | 1, 803, 310     | 1, 445, 008                                        | 13, 365, 663                                                                       | 616, 422    | 8, 821, 551              | (1)         | (1)            |
| 1929                                        |                                                                       |                                                             |                               |                 |                                   |                 |                                       |                 |                                                    |                                                                                    |             |                          |             |                |
| New England                                 | 16, 953                                                               | 4, 686, 822                                                 | 5, 828                        | 1, 680, 519     | 800                               | 35, 738         | 2, 546                                | 742, 398        | 299, 089                                           | 2, 228, 167                                                                        | 140, 722    | 1, 336, 725              | 2, 557      | 1, 010, 837    |
| Middle Atlantic                             | 58, 812                                                               | 11, 623, 682                                                | 17, 003                       | 4, 904, 163     | 2, 372                            | 340, 381        | 1, 434                                | 248, 183        | 808, 620                                           | 6, 130, 955                                                                        | 256, 518    | 3, 618, 960              | 4, 719      | 1, 955, 256    |
| East North Central                          | 42, 845                                                               | 12, 602, 451                                                | 16, 694                       | 5, 173, 593     | 2, 132                            | 409, 876        | 1, 008                                | 240, 792        | 812, 193                                           | 6, 778, 190                                                                        | 262, 181    | 4, 314, 421              | 4, 749      | 2, 584, 286    |
| West North Central                          | 16, 614                                                               | 2, 210, 192                                                 | 5, 096                        | 763, 032        | 923                               | 76, 394         | 242                                   | 84, 658         | 163, 371                                           | 1, 286, 108                                                                        | 37, 307     | 512, 188                 | 1, 155      | 387, 545       |
| South Atlantic                              | 19, 011                                                               | 4, 318, 015                                                 | 12, 388                       | 1, 744, 461     | 1, 827                            | 152, 423        | 834                                   | 163, 562        | 255, 163                                           | 2, 267, 569                                                                        | 73, 840     | 1, 050, 273              | 1, 439      | 778, 208       |
| East South Central                          | 9, 395                                                                | 1, 999, 354                                                 | 6, 962                        | 934, 783        | 1, 170                            | 40, 090         | 138                                   | 10, 096         | 95, 196                                            | 1, 014, 385                                                                        | 26, 844     | 338, 963                 | 760         | 294, 894       |
| West South Central                          | 9, 919                                                                | 1, 749, 555                                                 | 6, 438                        | 860, 613        | 1, 227                            | 118, 041        | 17                                    | 820             | 73, 906                                            | 770, 081                                                                           | 16, 118     | 371, 123                 | 928         | 280, 322       |
| Mountain                                    | 3, 074                                                                | 938, 689                                                    | 1, 784                        | 445, 035        | 345                               | 22, 400         | 65                                    | 7, 836          | 33, 927                                            | 463, 868                                                                           | 10, 303     | 248, 163                 | 339         | 181, 273       |
| Pacific                                     | 16, 446                                                               | 2, 802, 301                                                 | 5, 032                        | 855, 727        | 642                               | 38, 510         | 189                                   | 71, 723         | 183, 378                                           | 1, 386, 941                                                                        | 28, 594     | 535, 540                 | 625         | 341, 254       |
| Food and kindred products                   | 53, 457                                                               | 4, 607, 913                                                 | 15, 268                       | 1, 459, 719     | 3, 807                            | 213, 859        | 1, 870                                | 102, 360        | 356, 621                                           | 2, 831, 975                                                                        | 67, 938     | 642, 530                 | 2, 854      | 475, 695       |
| Textiles and their products                 | 25, 706                                                               | 4, 145, 998                                                 | 8, 942                        | 1, 572, 940     | 207                               | 18, 746         | 1, 560                                | 397, 639        | 486, 793                                           | 2, 150, 673                                                                        | 160, 246    | 1, 044, 623              | 2, 546      | 973, 891       |
| Forest products                             | 24, 912                                                               | 3, 674, 204                                                 | 22, 057                       | 2, 308, 514     | 2, 179                            | 64, 396         | 1, 832                                | 48, 051         | 161, 803                                           | 1, 252, 343                                                                        | 75, 085     | 900, 862                 | 2, 038      | 634, 028       |
| Paper and allied products                   | 2, 940                                                                | 3, 166, 804                                                 | 3, 202                        | 1, 316, 808     | 108                               | 19, 136         | 1, 725                                | 871, 408        | 68, 591                                            | 959, 452                                                                           | 53, 177     | 1, 248, 776              | 1, 499      | 968, 021       |
| Printing, publishing, and allied industries | 24, 072                                                               | 649, 441                                                    | 417                           | 40, 088         | 207                               | 3, 150          | 5                                     | 7               | 255, 791                                           | 606, 196                                                                           | 8, 468      | 31, 002                  | 127         | 22, 615        |
| Chemicals and allied products               | 6, 940                                                                | 2, 312, 295                                                 | 4, 619                        | 1, 032, 488     | 500                               | 31, 369         | 84                                    | 20, 289         | 102, 966                                           | 1, 228, 149                                                                        | 53, 939     | 553, 039                 | 1, 180      | 451, 509       |
| Products of petroleum and coal              | 1, 369                                                                | 1, 755, 258                                                 | 10, 104                       | 1, 066, 904     | 651                               | 72, 954         | 9                                     | 2, 800          | 26, 509                                            | 613, 100                                                                           | 22, 031     | 604, 471                 | 463         | 332, 507       |
| Rubber products                             | 509                                                                   | 821, 312                                                    | 370                           | 245, 031        | 10                                | 838             | 20                                    | 3, 080          | 33, 266                                            | 572, 363                                                                           | 11, 882     | 240, 921                 | 134         | 150, 569       |
| Leather and its manufactures                | 4, 014                                                                | 436, 342                                                    | 1, 000                        | 188, 973        | 65                                | 5, 570          | 33                                    | 6, 105          | 59, 127                                            | 235, 694                                                                           | 15, 781     | 119, 994                 | 545         | 110, 021       |
| Stone, clay, and glass products             | 7, 938                                                                | 2, 854, 402                                                 | 2, 965                        | 932, 769        | 1, 520                            | 97, 796         | 77                                    | 25, 080         | 96, 430                                            | 1, 798, 757                                                                        | 29, 615     | 812, 562                 | 1, 019      | 579, 134       |
| Iron, steel, and products, excl. machinery  | 6, 503                                                                | 9, 200, 822                                                 | 6, 092                        | 4, 778, 047     | 566                               | 610, 967        | 159                                   | 10, 062         | 222, 667                                           | 3, 792, 146                                                                        | 130, 512    | 4, 106, 875              | 1, 573      | 1, 761, 940    |
| Nonferrous metals and their products        | 6, 522                                                                | 1, 570, 217                                                 | 834                           | 501, 330        | 154                               | 8, 645          | 55                                    | 7, 194          | 97, 620                                            | 1, 053, 048                                                                        | 23, 635     | 343, 572                 | 446         | 252, 357       |
| Machinery, excl. transportation equipment   | 12, 634                                                               | 3, 647, 343                                                 | 2, 161                        | 753, 381        | 801                               | 59, 674         | 278                                   | 18, 855         | 363, 554                                           | 2, 815, 433                                                                        | 101, 601    | 793, 463                 | 1, 389      | 480, 461       |
| Transportation equipment—air, land, water   | 2, 516                                                                | 2, 271, 192                                                 | 1, 353                        | 621, 417        | 220                               | 11, 596         | 19                                    | 20, 631         | 196, 548                                           | 1, 708, 648                                                                        | 49, 949     | 481, 682                 | 440         | 310, 072       |
| Railroad repair shops                       | 1, 965                                                                | 1, 153, 147                                                 | 1, 892                        | 437, 538        | 102                               | 4, 424          | 5                                     | 150             | 47, 460                                            | 711, 035                                                                           | 19, 768     | 278, 247                 | 562         | 179, 664       |
| Miscellaneous                               | 11, 972                                                               | 664, 371                                                    | 949                           | 205, 979        | 191                               | 10, 733         | 92                                    | 7, 007          | 119, 097                                           | 440, 652                                                                           | 28, 807     | 173, 457                 | 465         | 111, 391       |

1 Not called for on schedule.

Source: Bureau of the Census, Department of Commerce.

## No. 774.—SUMMARY BY 16 GENERAL GROUPS OF INDUSTRIES

NOTE.—See general note, p. 733

| Industry                                        | Census year | Number of establishments | Wage earners (average for the year) | Wages      | Cost of materials, fuel, and purchased electric energy | Value of products | Value added by manufacture | Horse-power |
|-------------------------------------------------|-------------|--------------------------|-------------------------------------|------------|--------------------------------------------------------|-------------------|----------------------------|-------------|
|                                                 |             |                          |                                     |            |                                                        |                   |                            |             |
| All industries....                              | 1933        | 141,769                  | 6,055,736                           | 5,261,576  | 16,820,822                                             | 31,358,840        | 14,538,018                 | (1)         |
|                                                 | 1931        | 174,255                  | 6,506,701                           | 7,173,232  | 21,680,760                                             | 41,038,402        | 19,357,643                 | (1)         |
|                                                 | 1929        | 209,802                  | 8,821,737                           | 11,007,287 | 38,177,900                                             | 69,960,910        | 31,783,010                 | 42,809,403  |
|                                                 | 1927        | 190,938                  | 8,334,184                           | 10,835,978 | 34,802,594                                             | 62,278,116        | 27,475,523                 | 38,769,183  |
|                                                 | 1925        | 187,390                  | 8,334,261                           | 10,720,960 | 35,935,648                                             | 62,713,714        | 26,772,006                 | 35,772,628  |
|                                                 | 1923        | 195,580                  | 8,708,401                           | 10,999,282 | 34,480,854                                             | 60,258,471        | 25,777,616                 | 33,056,870  |
|                                                 | 1921        | 195,565                  | 6,937,688                           | 8,192,952  | 25,154,807                                             | 43,427,224        | 18,272,417                 | (1)         |
| 1. Food and kindred products. <sup>1</sup>      | 1933        | 40,285                   | 666,237                             | 620,558    | 4,210,015                                              | 6,604,036         | 2,394,021                  | (1)         |
|                                                 | 1931        | 47,767                   | 635,359                             | 725,600    | 5,315,248                                              | 7,958,362         | 2,643,113                  | (1)         |
|                                                 | 1929        | 55,277                   | 737,931                             | 890,860    | 8,200,268                                              | 11,606,368        | 3,310,110                  | 4,561,020   |
|                                                 | 1927        | 48,900                   | 665,279                             | 812,445    | 7,803,405                                              | 10,612,293        | 2,808,888                  | 4,086,735   |
|                                                 | 1925        | 48,171                   | 666,420                             | 795,781    | 7,789,007                                              | 10,479,678        | 2,690,671                  | 3,893,719   |
|                                                 | 1923        | 51,186                   | 674,040                             | 787,553    | 6,786,732                                              | 9,265,354         | 2,478,622                  | 3,606,731   |
|                                                 | 1921        | 51,506                   | 610,292                             | 738,938    | 5,980,646                                              | 8,074,617         | 2,093,971                  | (1)         |
| 2. Textiles and their products.                 | 1933        | 19,205                   | 1,474,325                           | 1,017,301  | 2,533,168                                              | 4,811,238         | 2,278,070                  | (1)         |
|                                                 | 1931        | 23,750                   | 1,420,808                           | 1,238,170  | 3,019,986                                              | 5,849,032         | 2,820,046                  | (1)         |
|                                                 | 1929        | 27,404                   | 1,707,798                           | 1,733,031  | 5,103,846                                              | 9,243,303         | 4,139,467                  | 4,145,998   |
|                                                 | 1927        | 20,543                   | 1,694,410                           | 1,750,958  | 4,022,716                                              | 8,950,473         | 4,027,757                  | 4,173,438   |
|                                                 | 1925        | 24,450                   | 1,628,283                           | 1,654,814  | 5,349,925                                              | 9,126,155         | 3,776,230                  | 3,985,522   |
|                                                 | 1923        | 26,763                   | 1,715,203                           | 1,743,798  | 5,394,441                                              | 9,462,282         | 4,067,841                  | 3,783,401   |
|                                                 | 1921        | 25,955                   | 1,509,738                           | 1,472,352  | 3,801,090                                              | 6,956,465         | 3,156,375                  | (1)         |
| 3. Forest products <sup>1</sup> ----            | 1933        | 12,295                   | 454,171                             | 289,097    | 509,182                                                | 1,127,405         | 618,223                    | (1)         |
|                                                 | 1931        | 16,016                   | 509,685                             | 440,170    | 763,631                                                | 1,646,922         | 883,291                    | (1)         |
|                                                 | 1929        | 25,724                   | 866,590                             | 926,201    | 1,659,732                                              | 3,531,282         | 1,971,560                  | 2,645,711   |
|                                                 | 1927        | 20,004                   | 854,957                             | 919,303    | 1,611,552                                              | 3,404,792         | 1,793,210                  | 3,308,241   |
|                                                 | 1925        | 21,759                   | 911,906                             | 965,883    | 1,700,607                                              | 3,631,461         | 1,930,854                  | 3,449,073   |
|                                                 | 1923        | 21,546                   | 923,331                             | 951,862    | 1,644,700                                              | 3,563,309         | 1,938,609                  | 3,319,100   |
|                                                 | 1921        | 21,282                   | 697,559                             | 663,301    | 1,181,314                                              | 2,423,847         | 1,242,532                  | (1)         |
| 4. Paper and allied products.                   | 1933        | 2,667                    | 195,380                             | 172,842    | 654,647                                                | 1,172,743         | 518,095                    | (1)         |
|                                                 | 1931        | 2,883                    | 194,581                             | 214,337    | 753,010                                                | 1,357,582         | 569,572                    | (1)         |
|                                                 | 1929        | 3,126                    | 233,393                             | 287,331    | 1,092,722                                              | 1,892,251         | 799,529                    | 3,166,804   |
|                                                 | 1927        | 2,972                    | 224,437                             | 272,154    | 1,082,303                                              | 1,785,998         | 703,634                    | 2,813,604   |
|                                                 | 1925        | 2,727                    | 221,502                             | 263,097    | 916,857                                                | 1,548,814         | 627,157                    | 2,574,707   |
|                                                 | 1923        | 2,685                    | 219,026                             | 250,144    | 878,794                                                | 1,456,970         | 578,206                    | 2,313,562   |
|                                                 | 1921        | 2,600                    | 184,756                             | 202,703    | 669,070                                                | 1,071,800         | 402,730                    | (1)         |
| 5. Printing, publishing, and allied industries. | 1933        | 10,395                   | 264,106                             | 355,625    | 377,845                                                | 1,733,437         | 1,355,593                  | (1)         |
|                                                 | 1931        | 24,018                   | 316,769                             | 538,011    | 581,021                                                | 2,497,214         | 1,916,194                  | (1)         |
|                                                 | 1929        | 27,622                   | 357,988                             | 636,371    | 766,484                                                | 3,170,140         | 2,403,656                  | 649,441     |
|                                                 | 1927        | 25,433                   | 328,003                             | 586,183    | 755,038                                                | 2,850,800         | 2,104,823                  | 569,528     |
|                                                 | 1925        | 23,826                   | 315,264                             | 542,419    | 694,577                                                | 2,596,871         | 1,902,294                  | 486,087     |
|                                                 | 1923        | 23,114                   | 307,993                             | 492,906    | 665,654                                                | 2,315,318         | 1,649,664                  | 429,967     |
|                                                 | 1921        | 22,777                   | 282,500                             | 434,728    | 663,300                                                | 2,078,764         | 1,415,464                  | (1)         |
| 6. Chemicals and allied products. <sup>1</sup>  | 1933        | 6,527                    | 237,480                             | 220,771    | 968,473                                                | 2,117,513         | 1,149,041                  | (1)         |
|                                                 | 1931        | 7,444                    | 230,370                             | 263,271    | 1,255,459                                              | 2,650,635         | 1,395,176                  | (1)         |
|                                                 | 1929        | 8,224                    | 279,198                             | 351,984    | 1,035,058                                              | 3,702,672         | 1,767,614                  | 2,207,530   |
|                                                 | 1927        | 7,600                    | 252,106                             | 316,027    | 1,782,569                                              | 3,315,228         | 1,532,659                  | 1,840,049   |
|                                                 | 1925        | 7,224                    | 243,152                             | 294,426    | 1,790,263                                              | 3,150,089         | 1,359,828                  | 1,736,714   |
|                                                 | 1923        | 7,129                    | 244,950                             | 286,836    | 1,682,215                                              | 2,894,731         | 1,212,515                  | 1,643,164   |
|                                                 | 1921        | 7,243                    | 198,040                             | 222,289    | 1,328,942                                              | 2,192,371         | 863,429                    | (1)         |
| 7. Products of petroleum and coal.              | 1933        | 1,211                    | 110,453                             | 144,649    | 1,285,561                                              | 1,871,494         | 586,933                    | (1)         |
|                                                 | 1931        | 1,317                    | 120,140                             | 182,398    | 1,551,734                                              | 2,264,817         | 713,083                    | (1)         |
|                                                 | 1929        | 1,497                    | 147,216                             | 220,050    | 2,546,840                                              | 3,647,748         | 1,100,908                  | 1,755,258   |
|                                                 | 1927        | 1,418                    | 141,655                             | 217,485    | 2,262,699                                              | 3,060,226         | 797,527                    | 1,513,314   |
|                                                 | 1925        | 1,582                    | 136,866                             | 210,034    | 2,856,583                                              | 3,230,009         | 873,425                    | 1,241,877   |
|                                                 | 1923        | 1,650                    | 133,330                             | 212,882    | 1,981,370                                              | 2,778,888         | 797,618                    | 1,092,914   |
|                                                 | 1921        | 1,500                    | 115,006                             | 180,452    | 1,760,805                                              | 2,372,639         | 611,235                    | (1)         |
| 8. Rubber products....                          | 1933        | 408                      | 106,283                             | 99,117     | 211,397                                                | 472,744           | 261,347                    | (1)         |
|                                                 | 1931        | 453                      | 99,259                              | 112,596    | 252,867                                                | 614,265           | 361,398                    | (1)         |
|                                                 | 1929        | 525                      | 149,148                             | 207,308    | 578,078                                                | 1,117,460         | 638,783                    | 821,312     |
|                                                 | 1927        | 516                      | 141,697                             | 198,074    | 660,370                                                | 1,225,077         | 564,707                    | 790,622     |
|                                                 | 1925        | 530                      | 141,859                             | 191,285    | 721,730                                                | 1,260,806         | 639,075                    | 669,691     |
|                                                 | 1923        | 529                      | 137,868                             | 182,084    | 501,163                                                | 958,518           | 457,355                    | 605,634     |
|                                                 | 1921        | 496                      | 103,273                             | 123,613    | 377,870                                                | 704,903           | 327,024                    | (1)         |

For footnotes see p. 737.

## No. 774.—SUMMARY BY 16 GENERAL GROUPS OF INDUSTRIES—Continued

| Industry                                                            | Census year | Number of establishments | Wage earners (average for the year) | Wages     | Cost of materials, fuel, and purchased electric energy | Value of products | Value added by manufacture | Horse-power |
|---------------------------------------------------------------------|-------------|--------------------------|-------------------------------------|-----------|--------------------------------------------------------|-------------------|----------------------------|-------------|
|                                                                     |             |                          |                                     |           |                                                        |                   |                            |             |
|                                                                     |             |                          |                                     |           |                                                        |                   |                            |             |
| 9. Leather and its manufactures.                                    | 1933        | 3,265                    | 282,000                             | 222,487   | 544,737                                                | 996,773           | 452,036                    | (1)         |
|                                                                     | 1931        | 3,702                    | 272,757                             | 262,130   | 666,200                                                | 1,189,876         | 523,676                    | (1)         |
|                                                                     | 1929        | 4,285                    | 318,472                             | 350,461   | 1,132,022                                              | 1,906,201         | 774,179                    | 436,424     |
|                                                                     | 1927        | 4,272                    | 310,081                             | 364,537   | 1,088,816                                              | 1,869,615         | 780,769                    | 419,843     |
|                                                                     | 1925        | 4,252                    | 314,128                             | 365,419   | 1,018,013                                              | 1,764,017         | 751,005                    | 413,331     |
|                                                                     | 1923        | 4,880                    | 344,745                             | 388,811   | 1,083,647                                              | 1,880,828         | 797,181                    | 413,332     |
|                                                                     | 1921        | 4,827                    | 280,363                             | 314,562   | 934,825                                                | 1,545,207         | 610,362                    | (1)         |
| 10. Stone, clay, and glass products.                                | 1933        | 4,828                    | 173,000                             | 142,142   | 212,155                                                | 608,699           | 306,545                    | (1)         |
|                                                                     | 1931        | 6,408                    | 222,556                             | 248,860   | 316,468                                                | 925,318           | 608,850                    | (1)         |
|                                                                     | 1929        | 8,514                    | 328,417                             | 432,817   | 520,340                                                | 1,561,415         | 1,035,075                  | 2,354,402   |
|                                                                     | 1927        | 8,073                    | 350,017                             | 464,273   | 594,774                                                | 1,612,549         | 1,017,774                  | 2,709,131   |
|                                                                     | 1925        | 8,478                    | 353,036                             | 467,012   | 603,427                                                | 1,640,652         | 1,037,225                  | 2,348,167   |
|                                                                     | 1923        | 8,317                    | 351,692                             | 453,567   | 573,472                                                | 1,553,121         | 989,648                    | 1,036,064   |
|                                                                     | 1921        | 8,347                    | 262,990                             | 307,065   | 428,269                                                | 1,033,091         | 604,832                    | (1)         |
| 11. Iron and steel and their products, not including machinery.     | 1933        | 5,133                    | 554,108                             | 500,379   | 1,400,830                                              | 2,463,061         | 1,062,171                  | (1)         |
|                                                                     | 1931        | 5,965                    | 597,953                             | 705,125   | 1,806,370                                              | 3,277,496         | 1,471,035                  | (1)         |
|                                                                     | 1929        | 6,640                    | 880,882                             | 1,380,987 | 3,862,873                                              | 7,137,928         | 3,275,055                  | 9,200,822   |
|                                                                     | 1927        | 6,340                    | 834,997                             | 1,263,812 | 3,544,615                                              | 6,197,695         | 2,652,980                  | 8,322,730   |
|                                                                     | 1925        | 6,063                    | 850,783                             | 1,263,841 | 3,734,085                                              | 6,400,222         | 2,726,138                  | 7,518,726   |
|                                                                     | 1923        | 6,553                    | 892,185                             | 1,324,173 | 4,152,741                                              | 6,827,670         | 2,674,928                  | 47,269,698  |
|                                                                     | 1921        | 6,261                    | 571,426                             | 730,875   | 2,140,171                                              | 3,455,641         | 1,315,870                  | (1)         |
| 12. Nonferrous metals and their products.                           | 1933        | 4,919                    | 188,271                             | 166,722   | 641,127                                                | 1,088,753         | 427,627                    | (1)         |
|                                                                     | 1931        | 6,810                    | 208,856                             | 240,177   | 892,187                                                | 1,449,262         | 587,074                    | (1)         |
|                                                                     | 1929        | 7,622                    | 314,741                             | 443,467   | 2,466,444                                              | 3,597,058         | 1,131,614                  | 1,570,217   |
|                                                                     | 1927        | 6,781                    | 272,637                             | 383,186   | 1,783,213                                              | 2,677,107         | 808,894                    | 1,226,411   |
|                                                                     | 1925        | 7,006                    | 276,616                             | 382,652   | 1,948,438                                              | 2,839,660         | 891,112                    | 1,162,140   |
|                                                                     | 1923        | 7,501                    | 297,798                             | 395,079   | 1,767,638                                              | 2,637,160         | 869,522                    | 1,171,192   |
|                                                                     | 1921        | 7,853                    | 212,680                             | 256,893   | 886,265                                                | 1,408,069         | 521,795                    | (1)         |
| 13. Machinery, not including transportation equipment. <sup>1</sup> | 1933        | 9,710                    | 538,593                             | 501,770   | 789,239                                                | 2,069,419         | 1,280,180                  | (1)         |
|                                                                     | 1931        | 11,339                   | 603,834                             | 795,461   | 1,215,246                                              | 3,405,689         | 2,190,442                  | (1)         |
|                                                                     | 1929        | 13,143                   | 1,101,063                           | 1,647,347 | 2,720,831                                              | 7,103,884         | 4,353,033                  | 3,075,836   |
|                                                                     | 1927        | 12,147                   | 893,059                             | 1,296,750 | 2,079,137                                              | 5,406,887         | 3,327,550                  | 3,019,512   |
|                                                                     | 1925        | 11,674                   | 868,203                             | 1,237,948 | 2,010,111                                              | 5,077,947         | 3,067,836                  | 2,737,674   |
|                                                                     | 1923        | 12,279                   | 916,192                             | 1,264,475 | 1,913,219                                              | 4,777,896         | 2,864,676                  | 2,317,579   |
|                                                                     | 1921        | 12,511                   | 668,081                             | 839,943   | 1,377,477                                              | 3,268,085         | 1,890,608                  | (1)         |
| 14. Transportation equipment, air, land, and water.                 | 1933        | 1,551                    | 307,373                             | 319,216   | 1,292,290                                              | 2,068,195         | 765,906                    | (1)         |
|                                                                     | 1931        | 2,058                    | 373,759                             | 468,600   | 1,736,628                                              | 2,898,626         | 1,161,698                  | (1)         |
|                                                                     | 1929        | 2,650                    | 563,355                             | 643,222   | 3,683,148                                              | 6,047,209         | 2,364,061                  | 2,271,192   |
|                                                                     | 1927        | 2,537                    | 494,905                             | 603,208   | 2,907,949                                              | 4,693,972         | 1,766,022                  | 2,027,686   |
|                                                                     | 1925        | 2,778                    | 550,578                             | 608,488   | 3,889,101                                              | 5,451,763         | 2,062,652                  | 1,888,961   |
|                                                                     | 1923        | 3,873                    | 606,328                             | 603,039   | 3,394,505                                              | 5,333,479         | 1,938,975                  | 1,624,468   |
|                                                                     | 1921        | 4,273                    | 405,773                             | 591,354   | 1,803,011                                              | 3,018,154         | 1,215,143                  | (1)         |
| 15. Railroad repair shops.                                          | 1933        | 1,001                    | 241,875                             | 284,460   | 191,845                                                | 506,032           | 314,187                    | (1)         |
|                                                                     | 1931        | 2,107                    | 309,034                             | 435,248   | 208,824                                                | 740,763           | 441,939                    | (1)         |
|                                                                     | 1929        | 2,297                    | 308,156                             | 637,311   | 548,344                                                | 1,260,617         | 721,673                    | 1,153,147   |
|                                                                     | 1927        | 2,309                    | 428,672                             | 648,908   | 545,492                                                | 1,289,695         | 744,203                    | 1,110,821   |
|                                                                     | 1925        | 2,363                    | 457,755                             | 668,192   | 563,646                                                | 1,332,679         | 769,083                    | 942,248     |
|                                                                     | 1923        | 2,348                    | 523,430                             | 772,068   | 631,358                                                | 1,320,933         | 885,784                    | 4796,905    |
|                                                                     | 1921        | 2,326                    | 418,285                             | 671,956   | 500,671                                                | 1,267,343         | 760,771                    | (1)         |
| 16. Miscellaneous industries.                                       | 1933        | 8,679                    | 261,081                             | 204,351   | 6,098,314                                              | 1,677,357         | 679,044                    | (1)         |
|                                                                     | 1931        | 11,758                   | 360,696                             | 303,015   | 6,280,580                                              | 2,312,635         | 1,032,055                  | (1)         |
|                                                                     | 1929        | 14,612                   | 417,410                             | 500,534   | 1,359,280                                              | 3,426,095         | 2,066,815                  | 664,289     |
|                                                                     | 1927        | 14,313                   | 440,366                             | 629,837   | 1,377,985                                              | 3,316,780         | 1,938,795                  | 837,428     |
|                                                                     | 1925        | 14,207                   | 439,400                             | 508,677   | 1,351,478                                              | 3,125,011         | 1,773,533                  | 732,401     |
|                                                                     | 1923        | 15,427                   | 475,281                             | 528,205   | 1,429,234                                              | 3,002,855         | 1,578,621                  | 701,177     |
|                                                                     | 1921        | 15,748                   | 417,929                             | 441,560   | 1,315,180                                              | 2,556,937         | 1,241,757                  | (1)         |

<sup>1</sup> Not called for on schedule.<sup>2</sup> Figures for 1931 and prior years revised; data for alcoholic liquors industries transferred from group 6 to group 1. Group 1 also revised to exclude data for "Coffee and spice roasting and grinding" all years and "Peanuts, walnuts, and other nuts processed or shelled" for 1927 to 1931 (no comparable figures for the latter industry for earlier years); these industries were not canvassed in 1933.<sup>3</sup> Figures for 1931 and earlier years revised; data for "Refrigerators and refrigerator cabinets exclusive of mechanical refrigerating equipment" transferred from group 3 to group 13.<sup>4</sup> Revised; revision not carried into total for all groups.<sup>5</sup> The decrease in the 1927 figures was chiefly due to practical ceasing of operations of a large company for a few months of the year.<sup>6</sup> Includes internal revenue tax paid by tobacco manufacturers. This amounted to \$422,027,000 in 1931, and \$400,843,000 in 1933.<sup>7</sup> The "Cost of materials" does not include internal revenue tax paid by tobacco manufacturers and the "Value added by manufacture" for these years is, therefore, overstated by the amount of this tax.

Source: Bureau of the Census, Department of Commerce.



## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES

NOTE.—The figures given in this table do not represent exactly the numbers of wage earners, values of products, etc., assignable to the classes of commodities from which the industries derive their names, as it is necessary for census purposes to classify each establishment as a whole in some one industry, according to its product of chief value, although in many cases a single establishment manufactures two or more classes of commodities. The figures for cost of materials and value of products for each group and each subgroup include considerable duplication due to the use of the products of one industry as the materials for another, and in some cases similar duplication occurs within an industry. No data for horsepower were collected for 1931 and 1933. For totals for all industries and for 16 great groups see table 774. Five census years have been shown for all industries that reported \$200,000,000 or more in value of products or over 50,000 wage earners in 1929, and three census years for other industries, except as indicated by footnotes

| Industry                                                                                                | Census year | Number of establishments | Wage earners (average for the year) | Wages   | Cost of materials, fuel, and purchased electric energy | Value of products | Value added by manufacture | Horse-power |
|---------------------------------------------------------------------------------------------------------|-------------|--------------------------|-------------------------------------|---------|--------------------------------------------------------|-------------------|----------------------------|-------------|
| In thousands of dollars                                                                                 |             |                          |                                     |         |                                                        |                   |                            |             |
| <b>FOOD AND KINDRED PRODUCTS</b>                                                                        |             |                          |                                     |         |                                                        |                   |                            |             |
| Animal products, total.                                                                                 | 1933        | 10,370                   | 178,791                             | 170,076 | 1,870,028                                              | 2,415,559         | 545,531                    | -----       |
|                                                                                                         | 1931        | 11,922                   | 171,093                             | 208,922 | 2,071,813                                              | 3,353,725         | 681,912                    | -----       |
|                                                                                                         | 1929        | 12,761                   | 201,745                             | 262,186 | 4,263,957                                              | 5,148,496         | 884,539                    | 1,091,228   |
|                                                                                                         | 1927        | 11,774                   | 189,045                             | 249,881 | 3,815,254                                              | 4,563,036         | 747,782                    | 965,363     |
|                                                                                                         | 1925        | 11,863                   | 189,933                             | 245,304 | 3,752,615                                              | 4,498,931         | 746,410                    | 875,878     |
| Butter.....                                                                                             | 1933        | 3,166                    | 10,498                              | 15,062  | 316,843                                                | 385,512           | 68,669                     | -----       |
|                                                                                                         | 1931        | 3,367                    | 15,667                              | 18,023  | 363,223                                                | 463,472           | 70,245                     | -----       |
|                                                                                                         | 1929        | 3,527                    | 19,097                              | 24,193  | 635,874                                                | 746,418           | 110,544                    | 164,413     |
|                                                                                                         | 1927        | 3,519                    | 20,066                              | 25,633  | 637,337                                                | 739,011           | 101,674                    | 145,973     |
|                                                                                                         | 1925        | 3,493                    | 17,763                              | 22,263  | 603,307                                                | 683,593           | 80,192                     | 120,872     |
| Cheese.....                                                                                             | 1933        | 2,157                    | 3,141                               | 2,910   | 46,791                                                 | 67,334            | 10,546                     | -----       |
|                                                                                                         | 1931        | 2,371                    | 2,964                               | 3,664   | 54,081                                                 | 68,072            | 13,991                     | -----       |
|                                                                                                         | 1929        | 2,768                    | 3,401                               | 4,588   | 92,727                                                 | 110,045           | 17,915                     | 24,739      |
| Condensed and evaporated milk.                                                                          | 1933        | 436                      | 6,331                               | 6,100   | 96,098                                                 | 131,086           | 34,388                     | -----       |
|                                                                                                         | 1931        | 485                      | 0,121                               | 7,256   | 109,367                                                | 148,598           | 39,201                     | -----       |
|                                                                                                         | 1929        | 535                      | 7,065                               | 8,796   | 163,787                                                | 209,110           | 45,323                     | 85,288      |
|                                                                                                         | 1927        | 464                      | 7,300                               | 9,191   | 159,680                                                | 200,096           | 40,406                     | 63,909      |
|                                                                                                         | 1925        | 402                      | 7,118                               | 8,301   | 140,041                                                | 171,247           | 31,206                     | 53,937      |
| Ice cream.....                                                                                          | 1933        | 2,118                    | 14,367                              | 10,145  | 66,315                                                 | 158,398           | 92,072                     | -----       |
|                                                                                                         | 1931        | 2,048                    | 17,819                              | 25,416  | 110,504                                                | 208,515           | 158,011                    | -----       |
|                                                                                                         | 1929        | 3,150                    | 22,399                              | 33,803  | 155,964                                                | 328,414           | 172,450                    | 230,832     |
|                                                                                                         | 1927        | 2,961                    | 21,927                              | 33,108  | 150,602                                                | 301,645           | 151,043                    | 206,815     |
|                                                                                                         | 1925        | 2,790                    | 23,043                              | 38,457  | 140,864                                                | 286,176           | 145,312                    | 189,328     |
| Meat packing, wholesale.                                                                                | 1933        | 1,078                    | 113,193                             | 112,266 | 1,202,539                                              | 1,490,085         | 287,546                    | -----       |
|                                                                                                         | 1931        | 1,209                    | 109,707                             | 134,530 | 1,839,260                                              | 2,180,823         | 341,564                    | -----       |
|                                                                                                         | 1929        | 1,277                    | 122,605                             | 165,867 | 2,974,123                                              | 3,434,654         | 460,526                    | 524,989     |
|                                                                                                         | 1927        | 1,250                    | 119,065                             | 161,584 | 2,663,740                                              | 3,057,216         | 393,475                    | 459,576     |
|                                                                                                         | 1925        | 1,269                    | 120,422                             | 159,856 | 2,625,192                                              | 3,060,286         | 425,094                    | 441,619     |
| Poultry killing, dressing, and packing, wholesale.                                                      | 1933        | 437                      | 7,471                               | 4,862   | 51,853                                                 | 68,187            | 14,304                     | -----       |
|                                                                                                         | 1931        | 497                      | 6,982                               | 5,944   | 77,667                                                 | 97,560            | 19,893                     | -----       |
|                                                                                                         | 1929        | 485                      | 7,769                               | 7,285   | 106,866                                                | 130,161           | 23,296                     | 13,500      |
| Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments. | 1933        | 714                      | 7,797                               | 8,259   | 62,741                                                 | 86,438            | 23,098                     | -----       |
|                                                                                                         | 1931        | 741                      | 6,242                               | 8,336   | 59,272                                                 | 84,333            | 25,660                     | -----       |
|                                                                                                         | 1929        | 681                      | 5,897                               | 8,850   | 81,372                                                 | 108,246           | 26,875                     | 26,755      |
| Canned and preserved fish, crabs, shrimps, oysters, and clams.                                          | 1933        | 264                      | 9,993                               | 4,473   | 26,248                                                 | 40,560            | 14,311                     | -----       |
|                                                                                                         | 1931        | 304                      | 8,501                               | 5,222   | 28,404                                                 | 42,352            | 13,948                     | -----       |
|                                                                                                         | 1929        | 348                      | 13,612                              | 8,799   | 53,240                                                 | 80,849            | 27,609                     | 21,692      |
| Vegetable products except beverages, total.                                                             | 1933        | 22,895                   | 423,716                             | 376,508 | 2,161,744                                              | 3,510,035         | 1,348,292                  | -----       |
|                                                                                                         | 1931        | 27,443                   | 414,051                             | 451,559 | 2,518,798                                              | 4,177,353         | 1,658,555                  | -----       |
|                                                                                                         | 1929        | 33,198                   | 474,051                             | 548,837 | 3,863,812                                              | 5,919,863         | 2,066,052                  | 2,228,666   |
|                                                                                                         | 1927        | 29,157                   | 425,212                             | 491,970 | 3,831,390                                              | 5,685,104         | 1,753,714                  | 1,993,075   |
|                                                                                                         | 1925        | 28,963                   | 422,528                             | 477,278 | 3,852,972                                              | 5,494,876         | 1,641,904                  | 1,914,075   |
| Canned and dried fruits and vegetables; preserves, jellies, fruit butters, pickles, and sauces.         | 1933        | 2,072                    | 84,274                              | 45,239  | 268,420                                                | 439,988           | 171,658                    | -----       |
|                                                                                                         | 1931        | 2,535                    | 80,184                              | 54,001  | 322,005                                                | 513,001           | 190,996                    | -----       |
|                                                                                                         | 1929        | 2,997                    | 98,866                              | 74,979  | 492,062                                                | 750,342           | 288,280                    | 224,097     |
|                                                                                                         | 1927        | 2,436                    | 80,924                              | 62,310  | 355,186                                                | 572,346           | 217,180                    | 189,831     |
|                                                                                                         | 1925        | 2,403                    | 85,866                              | 67,427  | 385,573                                                | 616,071           | 230,497                    | 187,490     |
| Chocolate and cocoa products, not including confectionery.                                              | 1933        | 54                       | 6,460                               | 6,115   | 41,572                                                 | 67,754            | 26,182                     | -----       |
|                                                                                                         | 1931        | 55                       | 6,677                               | 6,649   | 50,045                                                 | 87,346            | 37,301                     | -----       |
|                                                                                                         | 1929        | 59                       | 6,249                               | 7,778   | 79,549                                                 | 119,541           | 39,991                     | 63,238      |
| Confectionery.....                                                                                      | 1933        | 1,218                    | 50,609                              | 32,991  | 114,164                                                | 211,833           | 97,669                     | -----       |
|                                                                                                         | 1931        | 1,566                    | 51,292                              | 42,153  | 144,748                                                | 284,157           | 139,409                    | -----       |
|                                                                                                         | 1929        | 2,021                    | 63,501                              | 56,443  | 215,192                                                | 393,270           | 178,077                    | 112,644     |
|                                                                                                         | 1927        | 1,908                    | 63,163                              | 56,981  | 218,373                                                | 391,927           | 173,555                    | 119,595     |
|                                                                                                         | 1925        | 1,931                    | 63,600                              | 55,235  | 205,433                                                | 379,081           | 173,649                    | 100,455     |

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                                        | Census year | Number of establishments | Wage earners (average for the year) | Wages   | Cost of materials, fuel, and purchased electric energy | Value of products | Value added by manufacture | Horse-power |
|---------------------------------------------------------------------------------|-------------|--------------------------|-------------------------------------|---------|--------------------------------------------------------|-------------------|----------------------------|-------------|
|                                                                                 |             |                          |                                     |         |                                                        |                   |                            |             |
| FOOD, ETC.—Contd.                                                               |             |                          |                                     |         |                                                        |                   |                            |             |
| Chewing gum.....                                                                | 1933        | 31                       | 2,445                               | 2,299   | 12,599                                                 | 41,654            | 29,055                     | -----       |
|                                                                                 | 1931        | 35                       | 2,147                               | 2,464   | 10,324                                                 | 51,340            | 34,516                     | -----       |
|                                                                                 | 1929        | 37                       | 2,265                               | 2,733   | 23,231                                                 | 60,160            | 36,929                     | 10,350      |
| Flavoring extracts and<br>flavoring sirups.                                     | 1933        | 383                      | 2,287                               | 2,184   | 20,333                                                 | 54,139            | 33,836                     | -----       |
|                                                                                 | 1931        | 626                      | 5,204                               | 6,877   | 48,575                                                 | 119,233           | 70,663                     | -----       |
|                                                                                 | 1929        | 642                      | 5,041                               | 7,071   | 55,518                                                 | 129,086           | 73,568                     | 33,838      |
| Flour and other grain-<br>mill products.                                        | 1933        | 1,932                    | 23,207                              | 22,591  | 438,671                                                | 574,210           | 135,530                    | -----       |
|                                                                                 | 1931        | 2,412                    | 22,840                              | 27,298  | 461,091                                                | 598,041           | 136,950                    | -----       |
|                                                                                 | 1929        | 4,022                    | 27,028                              | 35,072  | 368,873                                                | 1,080,269         | 191,397                    | 641,456     |
|                                                                                 | 1927        | 4,035                    | 29,982                              | 37,559  | 972,711                                                | 1,148,760         | 176,049                    | 641,608     |
|                                                                                 | 1925        | 4,413                    | 31,988                              | 39,700  | 1,126,379                                              | 1,298,015         | 172,636                    | 699,910     |
| Bread and other bakery<br>products.                                             | 1933        | 14,830                   | 182,382                             | 196,672 | 427,465                                                | 919,778           | 492,313                    | -----       |
|                                                                                 | 1931        | 17,718                   | 183,101                             | 239,331 | 605,477                                                | 1,160,048         | 384,571                    | -----       |
|                                                                                 | 1929        | 20,785                   | 200,841                             | 274,562 | 737,100                                                | 1,526,111         | 789,011                    | 355,523     |
|                                                                                 | 1927        | 18,129                   | 171,996                             | 236,226 | 663,236                                                | 1,394,700         | 701,464                    | 284,244     |
|                                                                                 | 1925        | 17,684                   | 160,411                             | 219,606 | 668,017                                                | 1,268,195         | 600,178                    | 227,286     |
| Feeds, prepared, for<br>animals and fowls. <sup>1</sup>                         | 1933        | 710                      | 8,791                               | 7,866   | 122,070                                                | 161,343           | 39,273                     | -----       |
|                                                                                 | 1931        | 706                      | 8,449                               | 9,402   | 162,734                                                | 209,621           | 47,187                     | -----       |
|                                                                                 | 1929        | 750                      | 10,223                              | 12,821  | 327,920                                                | 402,753           | 74,833                     | 170,482     |
|                                                                                 | 1927        | 447                      | 7,632                               | 9,708   | 244,676                                                | 299,793           | 65,117                     | 115,855     |
| Macaroni, spaghetti,<br>vermicelli, and nood-<br>les.                           | 1933        | 296                      | 5,402                               | 4,265   | 20,385                                                 | 35,892            | 15,507                     | -----       |
|                                                                                 | 1931        | 309                      | 4,764                               | 4,474   | 20,311                                                 | 36,225            | 16,914                     | -----       |
|                                                                                 | 1929        | 353                      | 5,072                               | 5,384   | 27,336                                                 | 47,074            | 19,738                     | 24,448      |
| Oleomargarine (marga-<br>rine) not made in<br>meat-packing estab-<br>lishments. | 1933        | 16                       | 841                                 | 855     | 8,312                                                  | 12,769            | 4,454                      | -----       |
|                                                                                 | 1931        | 32                       | 1,043                               | 1,352   | 15,209                                                 | 22,818            | 7,445                      | -----       |
|                                                                                 | 1929        | 41                       | 1,534                               | 2,264   | 30,890                                                 | 46,522            | 15,632                     | 6,670       |
| Food preparations, not<br>elsewhere classified.                                 | 1933        | 802                      | 10,664                              | 8,992   | 100,609                                                | 152,754           | 52,144                     | -----       |
|                                                                                 | 1931        | 782                      | 8,939                               | 9,120   | 90,171                                                 | 147,546           | 57,375                     | -----       |
|                                                                                 | 1929        | 862                      | 10,616                              | 11,568  | 96,388                                                 | 171,861           | 75,473                     | 36,716      |
| Corn sirup, corn sugar,<br>corn oil, and starch.                                | 1933        | 28                       | 7,591                               | 8,575   | 47,420                                                 | 93,361            | 45,941                     | -----       |
|                                                                                 | 1931        | 43                       | 6,652                               | 7,963   | 54,034                                                 | 98,723            | 44,680                     | -----       |
|                                                                                 | 1929        | 35                       | 6,730                               | 9,873   | 104,285                                                | 165,984           | 61,699                     | 84,686      |
| Rice cleaning and<br>polishing.                                                 | 1933        | 60                       | 1,636                               | 1,022   | 22,607                                                 | 30,683            | 7,987                      | -----       |
|                                                                                 | 1931        | 55                       | 1,503                               | 1,276   | 31,813                                                 | 40,360            | 8,547                      | -----       |
|                                                                                 | 1929        | 60                       | 1,589                               | 1,449   | 38,444                                                 | 48,794            | 10,350                     | 22,901      |
| Shortenings (other than<br>lard), vegetable cook-<br>ing oils, and salad oils.  | 1933        | 49                       | 3,658                               | 3,217   | 68,149                                                 | 85,830            | 17,681                     | -----       |
|                                                                                 | 1931        | 50                       | 3,092                               | 4,011   | 99,841                                                 | 115,302           | 15,461                     | -----       |
|                                                                                 | 1929        | 40                       | 2,996                               | 2,381   | 139,081                                                | 154,553           | 15,522                     | 36,647      |
| Sugar, beet.....                                                                | 1933        | 84                       | 10,706                              | 10,884  | 76,127                                                 | 127,133           | 51,006                     | -----       |
|                                                                                 | 1931        | 67                       | 6,241                               | 7,548   | 62,325                                                 | 85,673            | 23,348                     | -----       |
|                                                                                 | 1929        | 82                       | 7,496                               | 10,021  | 70,961                                                 | 108,553           | 37,592                     | 146,393     |
| Sugar, cane, not in-<br>cluding products of<br>refineries.                      | 1933        | 67                       | 2,371                               | 1,228   | 11,594                                                 | 18,233            | 9,639                      | -----       |
|                                                                                 | 1931        | 68                       | 2,032                               | 1,393   | 10,008                                                 | 13,981            | 3,973                      | -----       |
|                                                                                 | 1929        | 70                       | 2,319                               | 1,642   | 12,223                                                 | 18,326            | 6,108                      | 66,779      |
| Sugar refining, cane.....                                                       | 1933        | 19                       | 11,495                              | 12,237  | 281,536                                                | 337,075           | 55,539                     | -----       |
|                                                                                 | 1931        | 19                       | 11,855                              | 15,547  | 326,933                                                | 395,303           | 59,370                     | -----       |
|                                                                                 | 1929        | 21                       | 13,912                              | 17,850  | 433,399                                                | 507,339           | 68,990                     | 98,637      |
|                                                                                 | 1927        | 21                       | 13,996                              | 17,707  | 551,594                                                | 597,446           | 45,851                     | 86,979      |
|                                                                                 | 1925        | 21                       | 14,502                              | 18,955  | 549,896                                                | 606,633           | 56,737                     | 89,098      |
| Malt.....                                                                       | 1933        | 30                       | 848                                 | 1,283   | 20,852                                                 | 27,923            | 7,261                      | -----       |
|                                                                                 | 1931        | 27                       | 540                                 | 866     | 13,920                                                 | 19,242            | 5,322                      | -----       |
|                                                                                 | 1929        | 28                       | 590                                 | 1,067   | 18,924                                                 | 23,693            | 4,679                      | 13,098      |
| Vinegar and cider.....                                                          | 1933        | 121                      | 844                                 | 724     | 3,943                                                  | 5,631             | 2,637                      | -----       |
|                                                                                 | 1931        | 137                      | 848                                 | 835     | 4,249                                                  | 7,509             | 3,257                      | -----       |
|                                                                                 | 1929        | 172                      | 979                                 | 1,022   | 6,016                                                  | 10,450            | 4,434                      | 8,674       |
| Cereal preparations.....                                                        | 1933        | 103                      | 7,115                               | 7,270   | 55,015                                                 | 111,026           | 56,011                     | -----       |
|                                                                                 | 1931        | 111                      | 7,018                               | 9,005   | 69,427                                                 | 141,583           | 72,157                     | -----       |
|                                                                                 | 1929        | 121                      | 6,438                               | 8,376   | 101,472                                                | 175,228           | 73,752                     | 66,291      |
| Beverages and<br>ice, total.                                                    | 1933        | 7,020                    | 63,732                              | 73,974  | 178,243                                                | 678,442           | 500,199                    | -----       |
|                                                                                 | 1931        | 8,402                    | 50,215                              | 65,188  | 124,637                                                | 427,284           | 302,647                    | 1,241,226   |
|                                                                                 | 1929        | 9,318                    | 62,135                              | 83,123  | 178,489                                                | 538,000           | 359,519                    | 1,127,897   |
|                                                                                 | 1927        | 7,969                    | 50,422                              | 70,594  | 156,792                                                | 464,133           | 307,392                    | 1,103,706   |
|                                                                                 | 1925        | 7,345                    | 53,959                              | 73,199  | 183,520                                                | 485,872           | 302,351                    | 1,103,706   |

<sup>1</sup> Because of a change in classification, no comparable figures can be shown for earlier years.<sup>2</sup> Revised; revision not carried into total.

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                   | Census year | Number of establishments | Wage earners (average for the year) | Wages     | Cost of materials, fuel, and purchased electric energy | Value of products | Value added by manufacture | Horse-power |
|--------------------------------------------|-------------|--------------------------|-------------------------------------|-----------|--------------------------------------------------------|-------------------|----------------------------|-------------|
| In thousands of dollars                    |             |                          |                                     |           |                                                        |                   |                            |             |
| <b>FOOD, ETC.—Contd.</b>                   |             |                          |                                     |           |                                                        |                   |                            |             |
| Beverages, nonalcoholic.                   | 1933        | 2,903                    | 15,123                              | 14,197    | 41,873                                                 | 111,297           | 69,424                     | -----       |
|                                            | 1931        | 4,250                    | 23,905                              | 30,082    | 76,045                                                 | 212,567           | 136,522                    | -----       |
|                                            | 1929        | 5,164                    | 28,281                              | 38,314    | 103,020                                                | 270,324           | 167,208                    | 149,160     |
|                                            | 1927        | 4,700                    | 26,972                              | 30,101    | 95,430                                                 | 242,004           | 147,264                    | 153,731     |
|                                            | 1925        | 4,210                    | 27,384                              | 30,053    | 98,406                                                 | 237,701           | 130,295                    | 108,865     |
| Ice, manufactured-----                     | 1933        | 3,329                    | 21,332                              | 22,840    | 26,959                                                 | 130,263           | 112,304                    | -----       |
|                                            | 1931        | 4,111                    | 25,217                              | 33,658    | 35,078                                                 | 192,027           | 156,940                    | -----       |
|                                            | 1929        | 4,110                    | 32,184                              | 42,399    | 39,808                                                 | 210,952           | 171,144                    | 1,077,295   |
|                                            | 1927        | 3,159                    | 22,120                              | 32,611    | 40,816                                                 | 184,705           | 143,979                    | 965,400     |
|                                            | 1925        | 3,077                    | 24,915                              | 35,046    | 44,725                                                 | 186,909           | 142,244                    | 923,134     |
| Liquors, distilled, and ethyl alcohol.     | 1933        | 51                       | 2,514                               | 2,476     | 23,916                                                 | 60,850            | 36,935                     | -----       |
|                                            | 1931        | 27                       | 987                                 | 1,331     | 13,132                                                 | 21,741            | 8,008                      | -----       |
|                                            | 1929        | 30                       | 1,484                               | 2,131     | 35,040                                                 | 54,285            | 19,239                     | 13,577      |
| Liquors, vinous-----                       | 1933        | 212                      | 1,262                               | 972       | 9,302                                                  | 24,084            | 14,782                     | -----       |
|                                            | 1931        | 14                       | 96                                  | 119       | 381                                                    | 949               | 568                        | -----       |
|                                            | 1929        | 24                       | 186                                 | 278       | 609                                                    | 2,448             | 1,839                      | 1,188       |
| Liquors, malt <sup>2</sup> -----           | 1933        | 525                      | 23,501                              | 33,480    | 76,104                                                 | 342,947           | 206,754                    | -----       |
| <b>TEXTILES AND THEIR PRODUCTS</b>         |             |                          |                                     |           |                                                        |                   |                            |             |
| Textile-mill products, total. <sup>3</sup> | 1933        | 5,047                    | 954,757                             | 951,109   | 1,388,144                                              | 2,073,215         | 1,285,071                  | -----       |
|                                            | 1931        | 9,111                    | 886,979                             | 744,668   | 1,495,233                                              | 2,904,558         | 1,469,275                  | -----       |
|                                            | 1929        | 9,874                    | 1,006,163                           | 1,052,971 | 2,820,993                                              | 5,043,171         | 2,222,178                  | 3,843,398   |
|                                            | 1927        | 7,244                    | 1,119,733                           | 1,099,735 | 2,762,674                                              | 4,933,282         | 2,170,007                  | 3,908,023   |
|                                            | 1925        | 7,470                    | 1,110,209                           | 1,060,262 | 3,234,035                                              | 5,342,617         | 2,108,583                  | 3,748,885   |
| Cotton goods-----                          | 1933        | 1,057                    | 379,445                             | 216,884   | 476,799                                                | 861,170           | 384,401                    | -----       |
|                                            | 1931        | 1,140                    | 329,962                             | 219,680   | 404,855                                                | 805,702           | 400,937                    | -----       |
|                                            | 1929        | 1,281                    | 424,018                             | 324,289   | 898,029                                                | 1,524,177         | 626,148                    | 2,269,346   |
|                                            | 1927        | 1,347                    | 467,596                             | 380,010   | 871,592                                                | 1,567,401         | 695,800                    | 2,328,830   |
|                                            | 1925        | 1,366                    | 445,184                             | 353,833   | 1,077,153                                              | 1,714,368         | 637,215                    | 2,236,363   |
| Cotton small wares-----                    | 1933        | 172                      | 13,237                              | 10,059    | 17,558                                                 | 38,890            | 21,331                     | -----       |
|                                            | 1931        | 174                      | 12,826                              | 11,617    | 19,693                                                 | 41,991            | 22,298                     | -----       |
|                                            | 1929        | 202                      | 15,281                              | 15,449    | 33,036                                                 | 65,170            | 31,634                     | 27,808      |
| Lace goods-----                            | 1933        | 44                       | 5,911                               | 5,582     | 5,426                                                  | 16,929            | 11,503                     | -----       |
|                                            | 1931        | 42                       | 6,048                               | 6,289     | 6,123                                                  | 19,162            | 13,040                     | -----       |
|                                            | 1929        | 42                       | 6,864                               | 7,070     | 10,112                                                 | 20,237            | 10,125                     | 10,466      |
| Knit goods-----                            | 1933        | 1,577                    | 180,698                             | 132,030   | 237,661                                                | 498,350           | 260,680                    | -----       |
|                                            | 1931        | 1,708                    | 179,011                             | 149,589   | 284,053                                                | 585,677           | 301,824                    | -----       |
|                                            | 1929        | 1,888                    | 208,488                             | 210,714   | 456,701                                                | 899,717           | 443,016                    | 181,879     |
|                                            | 1927        | 1,869                    | 190,283                             | 188,108   | 424,096                                                | 816,620           | 392,521                    | 177,210     |
|                                            | 1925        | 1,987                    | 186,668                             | 168,653   | 453,926                                                | 809,960           | 356,034                    | 176,630     |
| Silk and rayon goods-                      | 1933        | 1,087                    | 110,322                             | 74,110    | 143,611                                                | 290,578           | 146,966                    | -----       |
|                                            | 1931        | 1,211                    | 109,225                             | 97,409    | 212,847                                                | 422,772           | 209,925                    | -----       |
|                                            | 1929        | 1,491                    | 130,467                             | 137,547   | 412,181                                                | 731,200           | 319,019                    | 220,225     |
|                                            | 1927        | 1,648                    | 127,643                             | 140,054   | 445,301                                                | 750,124           | 304,793                    | 221,249     |
|                                            | 1925        | 1,650                    | 132,500                             | 142,734   | 484,123                                                | 808,979           | 324,857                    | 212,609     |
| Woolen goods-----                          | 1933        | 344                      | 48,536                              | 38,721    | 79,021                                                 | 150,197           | 71,176                     | -----       |
|                                            | 1931        | 351                      | 42,678                              | 42,969    | 83,050                                                 | 157,350           | 74,805                     | -----       |
|                                            | 1929        | 400                      | 58,474                              | 66,014    | 165,882                                                | 290,939           | 125,057                    | 195,247     |
|                                            | 1927        | 471                      | 61,700                              | 72,150    | 172,700                                                | 301,900           | 128,609                    | 191,763     |
|                                            | 1925        | 503                      | 67,056                              | 82,436    | 210,618                                                | 361,524           | 141,906                    | 193,080     |
| Worsted goods-----                         | 1933        | 227                      | 78,691                              | 63,167    | 180,482                                                | 307,683           | 127,200                    | -----       |
|                                            | 1931        | 240                      | 76,059                              | 74,584    | 195,617                                                | 338,887           | 143,270                    | -----       |
|                                            | 1929        | 264                      | 88,485                              | 98,138    | 336,040                                                | 530,067           | 199,418                    | 372,536     |
|                                            | 1927        | 288                      | 92,571                              | 101,666   | 329,408                                                | 516,670           | 187,262                    | 364,422     |
|                                            | 1925        | 329                      | 98,168                              | 108,835   | 400,784                                                | 596,266           | 195,483                    | 377,215     |
| Felt goods, wool, hair, or jute.           | 1933        | 51                       | 5,048                               | 4,981     | 12,285                                                 | 27,583            | 15,298                     | -----       |
|                                            | 1931        | 53                       | 4,430                               | 5,072     | 12,918                                                 | 28,192            | 15,274                     | -----       |
|                                            | 1929        | 54                       | 5,540                               | 7,531     | 26,224                                                 | 45,466            | 19,242                     | 25,665      |
| Hats, wool-felt-----                       | 1933        | 9                        | 1,631                               | 1,264     | 1,838                                                  | 4,369             | 2,631                      | -----       |
|                                            | 1931        | 9                        | 1,543                               | 1,300     | 2,283                                                  | 5,432             | 3,149                      | -----       |
|                                            | 1929        | 14                       | 2,028                               | 2,315     | 4,078                                                  | 9,056             | 4,577                      | 2,811       |
| Hats, fur-felt-----                        | 1933        | 117                      | 12,540                              | 11,935    | 13,138                                                 | 40,000            | 21,462                     | -----       |
|                                            | 1931        | 138                      | 14,084                              | 16,688    | 29,569                                                 | 59,616            | 30,107                     | -----       |
|                                            | 1929        | 159                      | 16,539                              | 22,503    | 55,298                                                 | 102,004           | 46,706                     | 19,894      |

<sup>2</sup> Revised; revision not carried into total.<sup>3</sup> This classification was abandoned at the census for 1923, and no statistics collected until 1933.<sup>4</sup> Figures for 1920 and prior years include "Flax and hemp, dressed", treated as a quasi-agricultural industry subsequent to the census for 1929.

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                                                            | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>for the<br>year) | Wages   | Cost of<br>materials,<br>fuel, and<br>purchased<br>electric<br>energy | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Horse-<br>power |
|-----------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------|-------------------------------------------------|---------|-----------------------------------------------------------------------|----------------------|---------------------------------------|-----------------|
|                                                                                                     |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
|                                                                                                     |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
| TEXTILES AND THEIR<br>PRODUCTS—Contd.                                                               |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
| Carpets and rugs, wool,<br>other than rug.                                                          | 1933                | 54                                         | 21,296                                          | 18,186  | 30,032                                                                | 71,425               | 41,393                                | -----           |
|                                                                                                     | 1931                | 61                                         | 22,903                                          | 24,109  | 38,876                                                                | 88,204               | 49,828                                | -----           |
|                                                                                                     | 1929                | 67                                         | 32,623                                          | 40,014  | 66,651                                                                | 176,915              | 90,264                                | 65,206          |
| Wool shoddy-----                                                                                    | 1933                | 44                                         | 1,527                                           | 1,233   | 6,291                                                                 | 10,477               | 4,186                                 | -----           |
|                                                                                                     | 1931                | 40                                         | 1,069                                           | 1,122   | 3,332                                                                 | 5,952                | 2,620                                 | -----           |
|                                                                                                     | 1929                | 50                                         | 1,762                                           | 2,109   | 10,127                                                                | 15,345               | 5,218                                 | 15,940          |
| Wool pulling-----                                                                                   | 1933                | 16                                         | 678                                             | 670     | 7,087                                                                 | 10,226               | 3,138                                 | -----           |
|                                                                                                     | 1931                | 14                                         | 640                                             | 915     | 5,359                                                                 | 7,378                | 2,019                                 | -----           |
|                                                                                                     | 1929                | 18                                         | 596                                             | 907     | 10,917                                                                | 13,048               | 2,731                                 | 1,847           |
| Wool scouring-----                                                                                  | 1933                | 20                                         | 1,396                                           | 1,418   | 1,189                                                                 | 4,404                | 3,215                                 | -----           |
|                                                                                                     | 1931                | 21                                         | 1,377                                           | 1,968   | 1,190                                                                 | 4,640                | 3,480                                 | -----           |
|                                                                                                     | 1929                | 21                                         | 1,302                                           | 1,771   | 3,022                                                                 | 6,241                | 3,220                                 | 8,241           |
| Cordage and twine-----                                                                              | 1933                | 110                                        | 11,145                                          | 7,373   | 18,284                                                                | 38,714               | 20,429                                | -----           |
|                                                                                                     | 1931                | 117                                        | 11,087                                          | 8,627   | 24,402                                                                | 47,557               | 23,155                                | -----           |
|                                                                                                     | 1929                | 123                                        | 14,489                                          | 12,834  | 54,573                                                                | 91,455               | 36,882                                | 73,021          |
| Jute goods-----                                                                                     | 1933                | 20                                         | 4,248                                           | 2,563   | 4,813                                                                 | 12,463               | 7,651                                 | -----           |
|                                                                                                     | 1931                | 20                                         | 3,785                                           | 2,881   | 5,824                                                                 | 12,791               | 6,967                                 | -----           |
|                                                                                                     | 1929                | 20                                         | 4,031                                           | 4,276   | 11,968                                                                | 21,870               | 9,902                                 | 35,079          |
| Linen goods-----                                                                                    | 1933                | 12                                         | 1,598                                           | 1,156   | 2,216                                                                 | 4,370                | 2,153                                 | -----           |
|                                                                                                     | 1931                | 14                                         | 1,567                                           | 1,417   | 2,510                                                                 | 5,226                | 2,716                                 | -----           |
|                                                                                                     | 1929                | 16                                         | 2,195                                           | 2,185   | 5,214                                                                 | 9,737                | 4,522                                 | 11,006          |
| Mats and matting,<br>grass and coir.                                                                | 1933                | 7                                          | 221                                             | 186     | 228                                                                   | 609                  | 382                                   | -----           |
|                                                                                                     | 1931                | 6                                          | 311                                             | 258     | 297                                                                   | 875                  | 578                                   | -----           |
|                                                                                                     | 1929                | 7                                          | 467                                             | 440     | 685                                                                   | 1,092                | 1,007                                 | 1,293           |
| Hairecloth-----                                                                                     | 1933                | 9                                          | 603                                             | 481     | 1,326                                                                 | 2,382                | 1,056                                 | -----           |
|                                                                                                     | 1931                | 13                                         | 400                                             | 417     | 1,895                                                                 | 2,425                | 1,090                                 | -----           |
|                                                                                                     | 1929                | 13                                         | 450                                             | 527     | 2,651                                                                 | 3,855                | 1,305                                 | 1,113           |
| Dyeing and finishing<br>textiles.                                                                   | 1933                | 626                                        | 66,309                                          | 58,423  | 142,802                                                               | 278,942              | 136,140                               | -----           |
|                                                                                                     | 1931                | 666                                        | 67,603                                          | 76,577  | 161,099                                                               | 322,187              | 161,088                               | -----           |
|                                                                                                     | 1929                | 732                                        | 79,327                                          | 94,245  | 235,712                                                               | 465,821              | 230,108                               | 804,057         |
|                                                                                                     | 1927                | 743                                        | 73,851                                          | 91,667  | 210,681                                                               | 408,047              | 195,366                               | 287,212         |
|                                                                                                     | 1925                | 697                                        | 70,749                                          | 83,983  | 220,678                                                               | 408,515              | 187,837                               | 252,701         |
| Cloth sponging and<br>refinishing.                                                                  | 1933                | 44                                         | 683                                             | 1,183   | 85                                                                    | 2,855                | 2,770                                 | -----           |
|                                                                                                     | 1931                | 45                                         | 576                                             | 1,197   | 81                                                                    | 2,447                | 2,366                                 | -----           |
|                                                                                                     | 1929                | 46                                         | 902                                             | 1,457   | 88                                                                    | 3,361                | 3,273                                 | 800             |
| Wearing apparel<br>made from pur-<br>chased fabrics,<br>total.                                      | 1933                | 10,642                                     | 462,857                                         | 322,813 | 940,902                                                               | 1,787,548            | 856,046                               | -----           |
|                                                                                                     | 1931                | 13,837                                     | 472,108                                         | 433,473 | 1,299,110                                                             | 2,488,861            | 1,189,751                             | -----           |
|                                                                                                     | 1929                | 16,105                                     | 536,561                                         | 596,659 | 1,867,042                                                             | 3,536,041            | 1,668,999                             | 137,880         |
|                                                                                                     | 1927                | 15,486                                     | 501,656                                         | 578,152 | 1,771,890                                                             | 3,361,881            | 1,619,990                             | 126,723         |
|                                                                                                     | 1925                | 14,883                                     | 466,846                                         | 534,823 | 1,741,618                                                             | 3,243,849            | 1,502,231                             | 119,744         |
| Clothing (except work<br>clothing), men's,<br>youths', and boys',<br>not elsewhere classi-<br>fied. | 1933                | 2,219                                      | 119,253                                         | 92,266  | 214,640                                                               | 445,220              | 230,980                               | -----           |
|                                                                                                     | 1931                | 2,945                                      | 121,964                                         | 115,041 | 263,675                                                               | 551,416              | 287,741                               | -----           |
|                                                                                                     | 1929                | 3,601                                      | 149,868                                         | 179,769 | 440,505                                                               | 901,104              | 460,599                               | 40,325          |
|                                                                                                     | 1927                | 3,532                                      | 146,099                                         | 184,613 | 447,245                                                               | 932,182              | 484,937                               | 34,351          |
|                                                                                                     | 1925                | 3,491                                      | 141,511                                         | 179,045 | 471,501                                                               | 946,274              | 474,773                               | 33,207          |
| Clothing, work (in-<br>cluding work shirts),<br>men's. <sup>a</sup>                                 | 1933                | 558                                        | 55,231                                          | 26,071  | 82,469                                                                | 135,336              | 52,867                                | -----           |
| Clothing, men's, but-<br>tonholes.                                                                  | 1933                | 17                                         | 238                                             | 146     | 27                                                                    | 265                  | 238                                   | -----           |
|                                                                                                     | 1931                | 26                                         | 222                                             | 176     | 34                                                                    | 313                  | 279                                   | -----           |
|                                                                                                     | 1929                | 32                                         | 292                                             | 214     | 61                                                                    | 574                  | 513                                   | 104             |
| Shirts (except work<br>shirts) and night-<br>wear, men's. <sup>b</sup>                              | 1933                | 585                                        | 53,816                                          | 26,113  | 69,657                                                                | 119,717              | 60,060                                | -----           |
| Furnishing goods,<br>men's, not elsewhere<br>classified. <sup>c</sup>                               | 1933                | 363                                        | 16,676                                          | 9,521   | 31,423                                                                | 55,659               | 24,236                                | -----           |
| Collars, men's-----                                                                                 | 1933                | 11                                         | 1,213                                           | 793     | 1,602                                                                 | 3,236                | 1,635                                 | -----           |
|                                                                                                     | 1931                | 16                                         | 2,048                                           | 1,419   | 2,788                                                                 | 6,684                | 3,897                                 | -----           |
|                                                                                                     | 1929                | 15                                         | 2,652                                           | 2,263   | 3,680                                                                 | 8,740                | 5,110                                 | 1,281           |

<sup>a</sup> Revised; revision not carried into total.<sup>b</sup> Because of changes in the schedule used for collecting data for the "Clothing, work (including work shirts), men's", "Furnishing goods, men's, not elsewhere classified", and "Shirts (except work shirts) and nightwear, men's" industries, no comparable statistics for these industries can be shown for earlier years.

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                                              | Census year                          | Number of establishments                  | Wage earners (average for the year)                 | Wages                                               | Cost of materials, fuel, and purchased electric energy | Value of products                                           | Value added by manufacture                          | Horse-power                                     |
|---------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------|
|                                                                                       |                                      |                                           |                                                     |                                                     |                                                        |                                                             |                                                     |                                                 |
| TEXTILES AND THEIR PRODUCTS—Contd.                                                    |                                      |                                           |                                                     |                                                     |                                                        |                                                             |                                                     |                                                 |
| Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics. | 1933<br>1931<br>1929                 | 91<br>106<br>125                          | 8,586<br>7,101<br>9,279                             | 3,547<br>3,319<br>5,914                             | 8,743<br>8,912<br>19,289                               | 16,012<br>14,539<br>29,883                                  | 7,270<br>5,627<br>10,594                            | -----<br>-----<br>3,702                         |
| Suspenders, garters, and other elastic woven goods, made from purchased webbing.      | 1933<br>1931<br>1929                 | 62<br>71<br>91                            | 2,617<br>3,267<br>4,341                             | 1,827<br>2,443<br>3,971                             | 7,906<br>9,995<br>17,906                               | 12,781<br>17,165<br>30,473                                  | 4,785<br>7,170<br>12,567                            | -----<br>-----<br>1,180                         |
| Hats and caps, except felt and straw, men's.                                          | 1933<br>1931<br>1929                 | 299<br>379<br>576                         | 4,063<br>3,469<br>5,826                             | 2,968<br>3,662<br>7,694                             | 6,181<br>8,173<br>16,908                               | 12,659<br>16,897<br>35,901                                  | 6,478<br>8,894<br>18,993                            | -----<br>-----<br>1,796                         |
| Clothing, women's, not elsewhere classified.                                          | 1933<br>1931<br>1929<br>1927<br>1925 | 5,350<br>7,046<br>8,082<br>7,588<br>6,127 | 169,832<br>173,890<br>187,500<br>164,469<br>126,466 | 127,418<br>189,187<br>243,851<br>211,850<br>176,046 | 456,424<br>704,259<br>934,414<br>809,520<br>724,299    | 846,300<br>1,292,253<br>1,709,581<br>1,494,401<br>1,293,705 | 389,876<br>587,904<br>775,167<br>984,881<br>569,406 | -----<br>-----<br>35,291<br>30,287<br>24,316    |
| Corsets and allied garments.                                                          | 1933<br>1931<br>1929                 | 179<br>204<br>213                         | 14,017<br>19,977<br>13,664                          | 9,388<br>11,496<br>12,446                           | 29,035<br>31,694<br>30,035                             | 58,092<br>71,923<br>70,802                                  | 29,058<br>40,229<br>40,767                          | -----<br>-----<br>6,048                         |
| Handkerchiefs.                                                                        | 1933<br>1931<br>1929                 | 74<br>88<br>105                           | 4,701<br>4,761<br>6,014                             | 2,442<br>3,221<br>4,636                             | 8,060<br>10,255<br>16,343                              | 14,924<br>18,798<br>29,554                                  | 6,864<br>8,543<br>13,211                            | -----<br>-----<br>2,409                         |
| Millinery.                                                                            | 1933<br>1931<br>1929                 | 834<br>1,134<br>1,263                     | 22,674<br>20,612<br>32,206                          | 20,313<br>32,565<br>42,715                          | 34,646<br>71,795<br>98,090                             | 77,347<br>144,575<br>195,693                                | 42,701<br>72,780<br>97,604                          | -----<br>-----<br>10,176                        |
| Other articles made from purchased fabrics, total.                                    | 1933<br>1931<br>1929<br>1927<br>1925 | 2,976<br>3,802<br>4,235<br>4,113<br>2,097 | 56,712<br>61,661<br>75,074<br>73,027<br>51,228      | 43,379<br>60,138<br>83,402<br>82,071<br>53,729      | 204,122<br>225,593<br>415,811<br>388,151<br>374,272    | 340,475<br>395,613<br>604,991<br>625,310<br>539,689         | 186,353<br>170,019<br>248,280<br>237,156<br>165,417 | -----<br>-----<br>164,720<br>140,692<br>117,893 |
| Awnings, tents, sails, and canvas covers.                                             | 1933<br>1931<br>1929                 | 751<br>913<br>1,002                       | 4,599<br>5,351<br>7,162                             | 3,973<br>6,397<br>8,569                             | 10,553<br>25,106<br>26,328                             | 21,412<br>31,697<br>49,238                                  | 10,829<br>16,591<br>23,909                          | -----<br>-----<br>4,995                         |
| Bags, other than paper, not made in textile mills.                                    | 1933<br>1931<br>1929                 | 169<br>189<br>202                         | 10,543<br>11,985<br>11,828                          | 6,977<br>9,111<br>9,645                             | 69,537<br>79,173<br>144,275                            | 92,115<br>104,991<br>170,176                                | 22,678<br>25,818<br>25,900                          | -----<br>-----<br>19,169                        |
| Belting, other than leather and rubber, not made in textile mills.                    | 1933<br>1931<br>1929                 | 5<br>8<br>9                               | 171<br>193<br>255                                   | 143<br>180<br>299                                   | 537<br>553<br>1,328                                    | 1,017<br>1,138<br>2,789                                     | 480<br>586<br>1,461                                 | -----<br>-----<br>1,648                         |
| Embroideries.                                                                         | 1933<br>1931<br>1929                 | 547<br>732<br>813                         | 4,652<br>5,561<br>6,622                             | 3,874<br>6,330<br>7,868                             | 3,260<br>4,538<br>6,609                                | 12,194<br>20,224<br>25,287                                  | 8,928<br>15,987<br>18,678                           | -----<br>-----<br>2,279                         |
| Trimmings (not made in textile mills) and stamped art goods for embroidering.         | 1933<br>1931<br>1929                 | 365<br>520<br>639                         | 5,113<br>6,212<br>7,934                             | 4,075<br>6,853<br>9,762                             | 11,922<br>13,824<br>20,783                             | 23,120<br>30,308<br>45,180                                  | 11,198<br>16,485<br>24,397                          | -----<br>-----<br>3,068                         |
| Horse blankets, fly nets, and related products.                                       | 1933<br>1931<br>1929                 | 9<br>9<br>14                              | 539<br>387<br>582                                   | 355<br>228<br>498                                   | 824<br>618<br>1,471                                    | 1,568<br>1,134<br>2,895                                     | 745<br>516<br>1,424                                 | -----<br>-----<br>1,375                         |
| Flags and banners.                                                                    | 1933<br>1931<br>1929                 | 42<br>48<br>54                            | 673<br>782<br>938                                   | 392<br>630<br>794                                   | 954<br>1,329<br>1,771                                  | 2,112<br>2,754<br>3,836                                     | 1,158<br>1,425<br>2,065                             | -----<br>-----<br>577                           |
| Regalia, robes, vestments, and badges.                                                | 1933<br>1931<br>1929                 | 55<br>81<br>77                            | 921<br>1,422<br>1,757                               | 654<br>1,444<br>1,825                               | 1,058<br>2,129<br>3,227                                | 2,836<br>5,689<br>7,927                                     | 1,778<br>3,560<br>4,700                             | -----<br>-----<br>1,105                         |
| Hat and cap materials, men's.                                                         | 1933<br>1931<br>1929                 | 76<br>95<br>112                           | 1,898<br>1,935<br>2,664                             | 1,465<br>2,077<br>2,876                             | 6,199<br>6,554<br>17,305                               | 9,716<br>11,010<br>25,031                                   | 3,617<br>4,456<br>7,726                             | -----<br>-----<br>5,164                         |
| Nets (fish) and seines.                                                               | 1933<br>1931<br>1929                 | 13<br>13<br>19                            | 423<br>672<br>903                                   | 315<br>438<br>769                                   | 1,072<br>1,283<br>3,789                                | 1,895<br>2,682<br>6,164                                     | 824<br>1,399<br>2,375                               | -----<br>-----<br>1,155                         |

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                                                               | Census year | Number of establishments | Wage earners (average for the year) | Wages   | Cost of materials, fuel, and purchased electric energy | Value of products | Value added by manufacture | Horse-power |
|--------------------------------------------------------------------------------------------------------|-------------|--------------------------|-------------------------------------|---------|--------------------------------------------------------|-------------------|----------------------------|-------------|
| In thousands of dollars                                                                                |             |                          |                                     |         |                                                        |                   |                            |             |
| <b>TEXTILES AND THEIR PRODUCTS—Contd.</b>                                                              |             |                          |                                     |         |                                                        |                   |                            |             |
| House-furnishing goods not elsewhere classified and miscellaneous articles made of textiles.           | 1933        | 708                      | 14,677                              | 9,787   | 55,690                                                 | 84,723            | 29,032                     | -----       |
|                                                                                                        | 1931        | 914                      | 14,195                              | 12,047  | 52,022                                                 | 86,821            | 34,799                     | -----       |
|                                                                                                        | 1929        | 964                      | 15,794                              | 16,150  | 76,625                                                 | 127,602           | 50,977                     | 16,866      |
| Carpets and rugs, rag--                                                                                | 1933        | 26                       | 677                                 | 404     | 609                                                    | 1,851             | 1,242                      | -----       |
|                                                                                                        | 1931        | 51                       | 1,003                               | 918     | 1,022                                                  | 3,332             | 2,306                      | -----       |
|                                                                                                        | 1929        | 94                       | 1,529                               | 1,662   | 1,669                                                  | 5,611             | 3,853                      | 2,416       |
| Linoleum-----                                                                                          | 1933        | 5                        | 2,821                               | 2,800   | 6,756                                                  | 19,098            | 12,342                     | -----       |
|                                                                                                        | 1931        | 6                        | 2,895                               | 3,595   | 7,866                                                  | 22,984            | 15,118                     | -----       |
|                                                                                                        | 1929        | 7                        | 5,544                               | 8,560   | 27,459                                                 | 57,250            | 29,761                     | 51,647      |
| Oilcloth-----                                                                                          | 1933        | 8                        | 1,251                               | 1,461   | 6,864                                                  | 12,053            | 5,789                      | -----       |
|                                                                                                        | 1931        | 9                        | 1,229                               | 1,811   | 8,256                                                  | 13,980            | 5,730                      | -----       |
|                                                                                                        | 1929        | 9                        | 1,412                               | 2,144   | 14,925                                                 | 23,107            | 8,183                      | 5,017       |
| Artificial leather-----                                                                                | 1933        | 22                       | 1,952                               | 1,955   | 8,148                                                  | 13,584            | 5,436                      | -----       |
|                                                                                                        | 1931        | 21                       | 1,941                               | 2,477   | 9,083                                                  | 15,195            | 6,112                      | -----       |
|                                                                                                        | 1929        | 17                       | 2,690                               | 3,956   | 22,268                                                 | 32,961            | 10,693                     | 14,660      |
| Asphalted-felt-base floor covering.                                                                    | 1933        | 13                       | 2,271                               | 2,546   | 9,664                                                  | 22,714            | 13,150                     | -----       |
|                                                                                                        | 1931        | 15                       | 1,946                               | 2,734   | 9,151                                                  | 19,993            | 10,842                     | -----       |
|                                                                                                        | 1929        | 14                       | 2,345                               | 3,501   | 14,279                                                 | 31,589            | 17,610                     | 11,092      |
| Upholstering materials, not elsewhere classified.                                                      | 1933        | 37                       | 685                                 | 455     | 1,054                                                  | 3,100             | 1,446                      | -----       |
|                                                                                                        | 1931        | 46                       | 899                                 | 810     | 2,800                                                  | 5,329             | 2,409                      | -----       |
|                                                                                                        | 1929        | 53                       | 1,410                               | 1,317   | 7,046                                                  | 11,234            | 4,188                      | 3,916       |
| Waste, processed-----                                                                                  | 1933        | 124                      | 3,036                               | 1,886   | 8,387                                                  | 14,768            | 5,881                      | -----       |
|                                                                                                        | 1931        | 132                      | 3,153                               | 2,049   | 10,223                                                 | 16,344            | 6,120                      | -----       |
|                                                                                                        | 1929        | 136                      | 3,005                               | 3,316   | 25,633                                                 | 36,014            | 10,381                     | 18,592      |
| <b>FOREST PRODUCTS</b>                                                                                 |             |                          |                                     |         |                                                        |                   |                            |             |
| Basic industries, total.                                                                               | 1933        | 4,676                    | 216,461                             | 110,117 | 130,595                                                | 368,985           | 233,360                    | -----       |
|                                                                                                        | 1931        | 6,010                    | 225,831                             | 103,833 | 167,715                                                | 463,117           | 296,402                    | -----       |
|                                                                                                        | 1929        | 14,164                   | 460,482                             | 437,840 | 432,337                                                | 1,314,763         | 882,426                    | 1,997,908   |
|                                                                                                        | 1927        | 8,723                    | 453,131                             | 431,496 | 505,680                                                | 1,259,370         | 750,060                    | 1,795,875   |
|                                                                                                        | 1925        | 10,286                   | 504,711                             | 473,035 | 593,935                                                | 1,408,427         | 874,492                    | 2,064,631   |
| Excelsior-----                                                                                         | 1933        | 50                       | 806                                 | 432     | 863                                                    | 2,094             | 1,231                      | -----       |
|                                                                                                        | 1931        | 61                       | 927                                 | 683     | 1,412                                                  | 2,983             | 1,571                      | -----       |
|                                                                                                        | 1929        | 66                       | 1,241                               | 1,219   | 2,440                                                  | 5,009             | 2,509                      | 10,067      |
| Lumber and timber products, not elsewhere classified.                                                  | 1933        | 3,783                    | 189,307                             | 113,183 | 123,450                                                | 350,404           | 227,013                    | -----       |
|                                                                                                        | 1931        | 4,996                    | 196,647                             | 155,870 | 160,511                                                | 443,629           | 283,118                    | -----       |
|                                                                                                        | 1929        | 12,015                   | 410,084                             | 421,686 | 419,603                                                | 1,273,472         | 853,869                    | 1,985,301   |
|                                                                                                        | 1927        | 7,510                    | 413,946                             | 413,362 | 493,959                                                | 1,214,646         | 720,687                    | 1,781,734   |
|                                                                                                        | 1925        | 9,207                    | 467,090                             | 456,716 | 579,475                                                | 1,421,162         | 841,087                    | 2,049,500   |
| Turpentine and rosin...                                                                                | 1933        | 843                      | 26,285                              | 5,501   | 6,282                                                  | 16,427            | 10,145                     | -----       |
|                                                                                                        | 1931        | 953                      | 28,257                              | 7,280   | 5,768                                                  | 16,506            | 10,713                     | -----       |
|                                                                                                        | 1929        | 1,183                    | 40,157                              | 15,036  | 10,294                                                 | 35,282            | 25,968                     | 1,996       |
| Wood-reworking industries, total.                                                                      | 1933        | 3,106                    | 53,863                              | 30,175  | 89,844                                                 | 177,116           | 87,272                     | -----       |
|                                                                                                        | 1931        | 4,430                    | 75,574                              | 78,144  | 157,063                                                | 310,678           | 159,615                    | -----       |
|                                                                                                        | 1929        | 6,081                    | 114,640                             | 142,566 | 337,264                                                | 655,345           | 313,050                    | 787,060     |
|                                                                                                        | 1927        | 5,582                    | 117,905                             | 149,783 | 359,316                                                | 672,336           | 313,020                    | 727,274     |
|                                                                                                        | 1925        | 5,727                    | 132,115                             | 169,154 | 440,457                                                | 708,288           | 357,531                    | 680,399     |
| Planing-mill products (including general millwork) made in planing mills not connected with saw-mills. | 1933        | 2,356                    | 35,388                              | 26,117  | 67,890                                                 | 124,236           | 56,355                     | -----       |
|                                                                                                        | 1931        | 3,453                    | 54,493                              | 58,552  | 125,760                                                | 235,681           | 109,020                    | -----       |
|                                                                                                        | 1929        | 4,849                    | 90,134                              | 110,428 | 290,008                                                | 563,583           | 257,675                    | 677,908     |
|                                                                                                        | 1927        | 4,561                    | 96,589                              | 126,140 | 321,443                                                | 581,634           | 290,190                    | 630,674     |
|                                                                                                        | 1925        | 4,761                    | 111,329                             | 146,562 | 403,227                                                | 710,861           | 307,635                    | 607,103     |
| Window and door screens and weather strip.                                                             | 1933        | 123                      | 1,571                               | 1,223   | 2,911                                                  | 6,314             | 3,403                      | -----       |
|                                                                                                        | 1931        | 207                      | 2,504                               | 2,971   | 5,713                                                  | 13,539            | 7,829                      | -----       |
|                                                                                                        | 1929        | 280                      | 4,034                               | 4,958   | 10,513                                                 | 24,452            | 13,939                     | 14,034      |
| Wood turned and shaped and other wooden goods, n. e. c. <sup>a</sup>                                   | 1933        | 580                      | 15,500                              | 10,147  | 17,746                                                 | 41,523            | 23,777                     | -----       |
|                                                                                                        | 1931        | 719                      | 17,020                              | 14,602  | 23,907                                                 | 55,710            | 31,804                     | -----       |
|                                                                                                        | 1929        | 894                      | 18,712                              | 18,617  | 28,426                                                 | 69,620            | 41,191                     | 88,398      |

<sup>a</sup> Revised; revision not carried into total.<sup>b</sup> Owing to a change in classification, data for 1929 are not strictly comparable with data for later years.

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                             | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>for the<br>year) | Wages   | Cost of<br>materials,<br>fuel, and<br>purchased<br>electric<br>energy | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Horse-<br>power |
|----------------------------------------------------------------------|---------------------|--------------------------------------------|-------------------------------------------------|---------|-----------------------------------------------------------------------|----------------------|---------------------------------------|-----------------|
|                                                                      |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
| In thousands of dollars                                              |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
| FOREST PRODUCTS—<br>Continued                                        |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
| Lasts and related prod-<br>ucts.                                     | 1933                | 47                                         | 1,404                                           | 1,687   | 1,308                                                                 | 5,044                | 3,737                                 | -----           |
|                                                                      | 1931                | 51                                         | 1,497                                           | 2,020   | 1,683                                                                 | 5,747                | 4,005                                 | -----           |
|                                                                      | 1929                | 58                                         | 1,700                                           | 2,509   | 2,316                                                                 | 7,090                | 5,375                                 | 7,230           |
|                                                                      |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
| Wooden-container<br>industries, total.                               | 1933                | 1,217                                      | 42,007                                          | 24,183  | 59,078                                                                | 108,952              | 49,874                                | -----           |
|                                                                      | 1931                | 1,490                                      | 43,277                                          | 33,066  | 73,825                                                                | 139,016              | 65,192                                | -----           |
|                                                                      | 1929                | 1,769                                      | 54,972                                          | 51,078  | 129,659                                                               | 235,178              | 105,522                               | 186,844         |
|                                                                      | 1927                | 1,648                                      | 56,124                                          | 52,721  | 134,471                                                               | 235,578              | 101,107                               | 192,429         |
|                                                                      | 1925                | 1,762                                      | 57,961                                          | 55,671  | 142,775                                                               | 249,612              | 106,837                               | 192,281         |
| Boxes, wooden, except<br>cigar boxes.                                | 1933                | 595                                        | 21,753                                          | 12,515  | 29,058                                                                | 54,995               | 25,938                                | -----           |
|                                                                      | 1931                | 675                                        | 22,804                                          | 17,672  | 39,705                                                                | 74,667               | 34,962                                | -----           |
|                                                                      | 1929                | 792                                        | 30,584                                          | 29,194  | 74,082                                                                | 135,026              | 60,944                                | 137,261         |
| Boxes, cigar, wooden...                                              | 1933                | 77                                         | 3,426                                           | 1,782   | 2,209                                                                 | 5,904                | 3,695                                 | -----           |
|                                                                      | 1931                | 92                                         | 3,777                                           | 2,564   | 3,473                                                                 | 8,869                | 5,389                                 | -----           |
|                                                                      | 1929                | 118                                        | 4,374                                           | 3,508   | 5,238                                                                 | 12,469               | 7,221                                 | 5,618           |
| Cooperage.....                                                       | 1933                | 361                                        | 8,457                                           | 6,261   | 22,913                                                                | 35,618               | 12,705                                | -----           |
|                                                                      | 1931                | 500                                        | 8,208                                           | 7,663   | 24,333                                                                | 39,143               | 14,810                                | -----           |
|                                                                      | 1929                | 586                                        | 10,601                                          | 11,706  | 41,516                                                                | 64,842               | 23,320                                | 33,885          |
| Baskets and rattan and<br>willow ware, not in-<br>cluding furniture. | 1933                | 184                                        | 8,371                                           | 3,625   | 4,900                                                                 | 12,435               | 7,536                                 | -----           |
|                                                                      | 1931                | 223                                        | 8,428                                           | 5,257   | 6,314                                                                 | 16,347               | 10,033                                | -----           |
|                                                                      | 1929                | 273                                        | 9,363                                           | 6,671   | 8,820                                                                 | 22,851               | 14,031                                | 20,180          |
| Furniture and re-<br>lated indus-<br>tries, total. <sup>7</sup>      | 1933                | 2,566                                      | 108,298                                         | 78,421  | 145,924                                                               | 305,990              | 160,035                               | -----           |
|                                                                      | 1931                | 3,340                                      | 131,310                                         | 130,077 | 223,071                                                               | 497,197              | 274,125                               | -----           |
|                                                                      | 1929                | 3,986                                      | 199,235                                         | 250,447 | 436,225                                                               | 976,176              | 539,951                               | 518,706         |
|                                                                      | 1927                | 3,428                                      | 193,787                                         | 245,683 | 401,549                                                               | 911,805              | 510,256                               | 464,444         |
|                                                                      | 1925                | 3,434                                      | 186,283                                         | 232,297 | 393,491                                                               | 893,504              | 500,014                               | 410,941         |
| Furniture, including<br>store and office fix-<br>tures. <sup>7</sup> | 1933                | 2,411                                      | 105,488                                         | 76,346  | 142,587                                                               | 297,730              | 155,143                               | -----           |
|                                                                      | 1931                | 3,148                                      | 127,605                                         | 125,972 | 217,899                                                               | 432,280              | 264,393                               | -----           |
|                                                                      | 1929                | 3,778                                      | 193,399                                         | 242,832 | 426,464                                                               | 948,116              | 521,662                               | 503,970         |
|                                                                      | 1927                | 3,228                                      | 188,143                                         | 238,240 | 392,069                                                               | 885,204              | 493,100                               | 456,881         |
|                                                                      | 1925                | 3,239                                      | 181,016                                         | 225,298 | 384,875                                                               | 868,720              | 483,545                               | 402,719         |
| Billiard and pool tables,<br>bowling alleys, and<br>necessaries.     | 1933                | 17                                         | 407                                             | 228     | 514                                                                   | 1,123                | 609                                   | -----           |
|                                                                      | 1931                | 32                                         | 592                                             | 618     | 1,366                                                                 | 3,761                | 2,306                                 | -----           |
|                                                                      | 1929                | 40                                         | 1,390                                           | 1,868   | 3,238                                                                 | 8,821                | 5,583                                 | 6,402           |
| Mirror and picture<br>frames.                                        | 1933                | 138                                        | 2,403                                           | 1,847   | 2,823                                                                 | 7,107                | 4,284                                 | -----           |
|                                                                      | 1931                | 160                                        | 3,113                                           | 3,492   | 3,780                                                                 | 11,146               | 7,367                                 | -----           |
|                                                                      | 1929                | 178                                        | 4,446                                           | 6,752   | 6,533                                                                 | 10,238               | 12,705                                | 8,334           |
| Other allied prod-<br>ucts, total.                                   | 1933                | 730                                        | 33,545                                          | 28,202  | 83,741                                                                | 166,393              | 82,652                                | -----           |
|                                                                      | 1931                | 746                                        | 33,673                                          | 35,065  | 141,967                                                               | 236,913              | 94,957                                | -----           |
|                                                                      | 1929                | 714                                        | 37,270                                          | 44,239  | 224,250                                                               | 349,821              | 125,571                               | 144,538         |
|                                                                      | 1927                | 628                                        | 34,010                                          | 39,620  | 207,537                                                               | 325,673              | 118,136                               | 128,150         |
|                                                                      | 1925                | 550                                        | 30,836                                          | 35,675  | 129,949                                                               | 221,629              | 91,680                                | 101,421         |
| Caskets, coffins, burial<br>cases, and other mor-<br>ticians' goods. | 1933                | 896                                        | 12,155                                          | 11,837  | 25,674                                                                | 58,740               | 33,066                                | -----           |
|                                                                      | 1931                | 399                                        | 11,932                                          | 14,226  | 28,510                                                                | 69,810               | 41,291                                | -----           |
|                                                                      | 1929                | 414                                        | 13,033                                          | 16,411  | 39,350                                                                | 88,282               | 48,932                                | 39,609          |
| Cork products.....                                                   | 1933                | 30                                         | 2,797                                           | 2,168   | 5,277                                                                 | 11,604               | 6,327                                 | -----           |
|                                                                      | 1931                | 31                                         | 3,018                                           | 3,027   | 6,617                                                                 | 14,877               | 8,260                                 | -----           |
|                                                                      | 1929                | 36                                         | 3,842                                           | 4,209   | 12,003                                                                | 23,023               | 10,421                                | 14,829          |
| Matches.....                                                         | 1933                | 18                                         | 4,726                                           | 4,037   | 11,679                                                                | 26,373               | 14,693                                | -----           |
|                                                                      | 1931                | 19                                         | 3,369                                           | 3,493   | 10,875                                                                | 18,473               | 7,597                                 | -----           |
|                                                                      | 1929                | 21                                         | 3,700                                           | 4,118   | 12,626                                                                | 20,351               | 7,825                                 | 17,997          |
| Pulp goods and molded<br>composition prod-<br>ucts. <sup>1</sup>     | 1933                | 101                                        | 6,840                                           | 5,927   | 10,023                                                                | 25,731               | 15,708                                | -----           |
|                                                                      | 1931                | 86                                         | 6,654                                           | 6,105   | 10,805                                                                | 27,239               | 16,435                                | -----           |
| Wood preserving.....                                                 | 1933                | 185                                        | 7,027                                           | 4,233   | 31,037                                                                | 43,945               | 12,858                                | -----           |
|                                                                      | 1931                | 211                                        | 9,700                                           | 8,214   | 85,141                                                                | 106,614              | 21,374                                | -----           |
|                                                                      | 1929                | 199                                        | 13,077                                          | 14,940  | 147,793                                                               | 190,945              | 43,242                                | 57,913          |

<sup>1</sup> Because of a change in classification, no comparable figures can be shown for earlier years.

<sup>2</sup> Includes "Hammocks", formerly treated as a separate industry, for all years, and also includes, for 1927 and later years, sewing-machine cases, formerly a part of the industry "Sewing machines, cases, and attachments." "Furniture and related industries, total" excludes for all years "Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment", which was abandoned as a separate industry classification and included with "Refrigerators and refrigerating and ice-making apparatus" in the machinery group for the census of 1933.

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                             | Census year       | Number of establishments | Wage earners (average for the year) | Wages   | Cost of materials, fuel, and purchased electric energy | Value of products | Value added by manufacture | Horse-power      |
|------------------------------------------------------|-------------------|--------------------------|-------------------------------------|---------|--------------------------------------------------------|-------------------|----------------------------|------------------|
|                                                      |                   |                          |                                     |         |                                                        |                   |                            |                  |
| PAPER AND PAPER PRODUCTS                             |                   |                          |                                     |         |                                                        |                   |                            |                  |
| Paper and pulp, total. <sup>8</sup>                  | 1933              | 781                      | 107,298                             | 99,194  | 398,063                                                | 695,054           | 301,901                    | -----            |
|                                                      | 1931              | <sup>2</sup> 843         | 107,902                             | 126,886 | 495,089                                                | 851,530           | 356,442                    | -----            |
|                                                      | 1929              | 883                      | 128,049                             | 173,078 | 723,361                                                | 1,206,114         | 482,754                    | 2,968,431        |
|                                                      | 1927              | 920                      | 123,360                             | 162,002 | 724,111                                                | 1,138,090         | 413,979                    | 2,642,806        |
|                                                      | 1927              | 764                      | 123,360                             | 162,002 | 816,556                                                | 1,029,535         | 413,979                    | 2,642,806        |
|                                                      | 1925              | 763                      | 123,842                             | 160,146 | 605,860                                                | 971,882           | 366,022                    | 2,427,010        |
| Paper <sup>1</sup> -----                             | 1933              | 600                      | 87,224                              | 81,001  | 311,767                                                | 560,963           | 249,196                    | -----            |
|                                                      | 1931              | 650                      | 87,683                              | 104,042 | 384,420                                                | 684,071           | 300,551                    | -----            |
|                                                      | 1929              | 685                      | 103,320                             | 140,308 | 574,608                                                | 967,186           | 392,678                    | ( <sup>3</sup> ) |
|                                                      | 1927              | 710                      | 98,566                              | 130,476 | 572,788                                                | 919,891           | 347,106                    | ( <sup>3</sup> ) |
| Pulp (wood and other fiber). <sup>1</sup>            | 1933              | 181                      | 20,074                              | 18,103  | 81,896                                                 | 134,692           | 52,796                     | -----            |
|                                                      | 1931              | <sup>2</sup> 193         | 20,219                              | 22,844  | 110,668                                                | 168,559           | 55,891                     | -----            |
|                                                      | 1929              | 198                      | 24,729                              | 32,679  | 148,753                                                | 238,928           | 90,176                     | ( <sup>3</sup> ) |
|                                                      | 1927              | 219                      | 24,794                              | 31,527  | 151,325                                                | 218,198           | 66,873                     | ( <sup>3</sup> ) |
| Converted paper products, total. <sup>10</sup>       | 1933              | 1,916                    | 89,082                              | 73,643  | 260,984                                                | 477,089           | 216,105                    | -----            |
|                                                      | 1931              | 2,039                    | 89,188                              | 89,936  | 271,005                                                | 520,921           | 249,916                    | -----            |
|                                                      | 1929              | 2,243                    | 105,344                             | 114,253 | 369,361                                                | 686,137           | 316,775                    | 198,373          |
|                                                      | 1927              | 2,043                    | 101,077                             | 110,152 | 358,252                                                | 647,908           | 289,066                    | 170,888          |
|                                                      | 1925              | 1,964                    | 97,660                              | 102,951 | 313,797                                                | 574,932           | 261,135                    | 147,697          |
| Bags, paper, exclusive of those made in paper mills. | 1933              | 96                       | 7,665                               | 5,813   | 29,296                                                 | 49,370            | 20,894                     | -----            |
|                                                      | 1931              | 95                       | 6,838                               | 6,423   | 33,427                                                 | 54,291            | 20,864                     | -----            |
|                                                      | 1929              | 95                       | 6,970                               | 6,661   | 43,238                                                 | 64,621            | 21,388                     | 13,416           |
| Boxes, paper, not elsewhere classified.              | 1933              | 1,104                    | 47,220                              | 37,614  | 126,326                                                | 223,004           | 90,679                     | -----            |
|                                                      | 1931              | 1,214                    | 46,722                              | 44,085  | 113,281                                                | 217,872           | 104,621                    | -----            |
|                                                      | 1929              | 1,249                    | 56,654                              | 67,110  | 159,840                                                | 294,253           | 134,414                    | 80,064           |
|                                                      | 1927              | 1,219                    | 56,398                              | 57,701  | 168,464                                                | 306,555           | 138,091                    | 81,300           |
|                                                      | 1925              | 1,229                    | 57,148                              | 67,172  | 151,712                                                | 281,044           | 130,232                    | 76,186           |
| Card cutting and designing.                          | 1933              | 64                       | 1,804                               | 1,535   | 4,029                                                  | 10,138            | 6,108                      | -----            |
|                                                      | 1931              | 72                       | 2,041                               | 2,408   | 6,674                                                  | 15,953            | 9,279                      | -----            |
|                                                      | 1929              | 70                       | 2,338                               | 2,726   | 9,286                                                  | 19,648            | 10,362                     | 3,909            |
| Cardboard, not made in paper mills.                  | 1933              | 12                       | 492                                 | 452     | 1,406                                                  | 2,793             | 1,358                      | -----            |
|                                                      | 1931              | 12                       | 520                                 | 599     | 1,656                                                  | 3,594             | 1,938                      | -----            |
|                                                      | 1929              | 13                       | 609                                 | 819     | 2,066                                                  | 5,629             | 2,904                      | 1,549            |
| Envelops-----                                        | 1933              | 163                      | 7,981                               | 6,755   | 15,918                                                 | 33,806            | 17,978                     | -----            |
|                                                      | 1931              | 162                      | 8,924                               | 9,058   | 22,462                                                 | 46,943            | 24,491                     | -----            |
|                                                      | 1929              | 171                      | 10,307                              | 11,527  | 20,928                                                 | 51,287            | 31,359                     | 13,077           |
| Wall paper-----                                      | 1933              | 30                       | 3,239                               | 3,116   | 6,851                                                  | 15,800            | 8,948                      | -----            |
|                                                      | 1931              | 50                       | 3,734                               | 3,994   | 9,160                                                  | 20,194            | 11,044                     | -----            |
|                                                      | 1929              | 56                       | 4,705                               | 5,782   | 13,480                                                 | 30,008            | 16,527                     | 12,740           |
| Paper goods, not elsewhere classified.               | 1933              | 433                      | 20,681                              | 18,364  | 77,158                                                 | 142,079           | 64,921                     | -----            |
|                                                      | <sup>2</sup> 1931 | 404                      | 20,409                              | 22,769  | 84,395                                                 | 162,074           | 77,679                     | -----            |
|                                                      | 1929              | 436                      | 20,227                              | 23,810  | 100,369                                                | 182,648           | 82,279                     | 67,145           |
| PRINTING, PUBLISHING, AND ALLIED INDUSTRIES          |                   |                          |                                     |         |                                                        |                   |                            |                  |
| Printing and publishing, total.                      | 1933              | 16,857                   | 213,786                             | 292,472 | 325,939                                                | 1,524,980         | 1,199,050                  | -----            |
|                                                      | <sup>2</sup> 1931 | 17,978                   | 255,480                             | 498,630 | 513,208                                                | 2,212,267         | 1,690,059                  | -----            |
|                                                      | 1929              | 24,360                   | 281,119                             | 506,290 | 660,029                                                | 2,760,198         | 2,100,167                  | 544,588          |
|                                                      | 1927              | 22,568                   | 262,740                             | 474,639 | 664,528                                                | 2,521,208         | 1,856,680                  | 482,265          |
|                                                      | 1925              | 21,072                   | 252,615                             | 440,427 | 612,060                                                | 2,283,304         | 1,671,244                  | 409,121          |
| Printing and publishing, book, music, and job.       | 1933              | 9,224                    | 104,099                             | 128,982 | 141,239                                                | 519,990           | 378,751                    | -----            |
|                                                      | <sup>2</sup> 1931 | 11,797                   | 135,977                             | 212,981 | 213,928                                                | 804,019           | 600,091                    | -----            |
|                                                      | 1929              | 12,836                   | 151,459                             | 252,891 | 268,291                                                | 1,021,897         | 753,606                    | 212,404          |
|                                                      | 1927              | 11,585                   | 143,341                             | 243,488 | 254,714                                                | 936,133           | 681,418                    | 196,051          |
|                                                      | 1925              | 10,447                   | 135,514                             | 222,887 | 232,519                                                | 835,642           | 608,123                    | 171,459          |

<sup>1</sup> Because of a change in classification, no comparable figures can be shown for earlier years.<sup>2</sup> Revised; revision not carried into total.<sup>3</sup> The separation of the industry "Paper and pulp" into the "Paper" and "Pulp (wood and other fiber)" Industries for 1927 resulted in counting as 2 establishments each mill which manufactured both paper and pulp and in a duplication in the statistics as combined. The figures for 1927 to 1933 are, therefore, not strictly comparable with those for 1925. Figures in italics have been adjusted for comparison with 1925, counting as a single unit mills manufacturing both pulp and paper.<sup>9</sup> Because of the fact that in many cases a paper mill and a pulp mill are supplied with power from the same power plant, it is impossible to give separate figures for each industry.<sup>10</sup> Owing to a change in classification, data for 1931 and 1933 are not strictly comparable with data for prior years.



## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                                                             | Census year | Number of establishments | Wage earners (average for the year) | Wages   | Cost of materials, fuel, and purchased electric energy | Value of products | Value added by manufacture | Horse-power |
|------------------------------------------------------------------------------------------------------|-------------|--------------------------|-------------------------------------|---------|--------------------------------------------------------|-------------------|----------------------------|-------------|
|                                                                                                      |             |                          |                                     |         |                                                        |                   |                            |             |
| PRINTING, PUBLISHING, AND ALLIED INDUSTRIES—Con.                                                     |             |                          |                                     |         |                                                        |                   |                            |             |
| Printing and publishing, newspaper and periodical.                                                   | 1933        | 7,633                    | 109,087                             | 163,490 | 184,700                                                | 1,004,999         | 820,299                    | -----       |
|                                                                                                      | 1931        | 10,211                   | 119,503                             | 225,699 | 299,280                                                | 1,408,248         | 1,108,968                  | -----       |
|                                                                                                      | 1929        | 11,524                   | 120,600                             | 253,399 | 391,738                                                | 1,738,299         | 1,346,561                  | 332,184     |
|                                                                                                      | 1927        | 10,973                   | 119,399                             | 231,151 | 409,814                                                | 1,585,079         | 1,175,262                  | 286,234     |
|                                                                                                      | 1925        | 10,625                   | 117,001                             | 217,541 | 370,541                                                | 1,447,661         | 1,068,121                  | 237,662     |
| Industries allied to printing and publishing, total.                                                 | 1933        | 2,538                    | 50,320                              | 63,154  | 51,905                                                 | 208,448           | 150,543                    | -----       |
|                                                                                                      | 1931        | 2,948                    | 62,308                              | 100,586 | 69,802                                                 | 280,237           | 220,435                    | -----       |
|                                                                                                      | 1929        | 3,162                    | 70,899                              | 130,081 | 109,454                                                | 409,044           | 303,489                    | 104,863     |
|                                                                                                      | 1927        | 2,875                    | 65,863                              | 111,544 | 90,509                                                 | 338,652           | 248,143                    | 87,233      |
|                                                                                                      | 1925        | 2,764                    | 62,749                              | 101,991 | 82,517                                                 | 313,567           | 231,060                    | 70,966      |
| Bookbinding and blank-book making.                                                                   | 1933        | 803                      | 16,885                              | 10,091  | 15,686                                                 | 56,011            | 40,325                     | -----       |
|                                                                                                      | 1931        | 1,050                    | 21,216                              | 25,356  | 21,392                                                 | 79,780            | 58,388                     | -----       |
|                                                                                                      | 1929        | 1,108                    | 24,764                              | 31,779  | 30,755                                                 | 102,783           | 72,029                     | 21,741      |
| Engravers' materials                                                                                 | 1933        | 16                       | 224                                 | 243     | 808                                                    | 1,685             | 817                        | -----       |
|                                                                                                      | 1931        | 21                       | 275                                 | 444     | 1,166                                                  | 2,319             | 1,163                      | -----       |
|                                                                                                      | 1929        | 19                       | 313                                 | 448     | 1,795                                                  | 3,129             | 1,835                      | 1,493       |
| Engraving, steel, copper plate, and wood, and plate printing.                                        | 1933        | 343                      | 5,033                               | 5,205   | 3,687                                                  | 16,223            | 12,585                     | -----       |
|                                                                                                      | 1931        | 432                      | 6,995                               | 9,503   | 6,425                                                  | 27,425            | 21,001                     | -----       |
|                                                                                                      | 1929        | 483                      | 10,272                              | 14,813  | 11,947                                                 | 47,901            | 35,954                     | 8,560       |
| Engraving (other than steel, copperplate, or wood), chasing, etching, and dieinking.                 | 1933        | 77                       | 1,089                               | 1,094   | 921                                                    | 3,425             | 2,505                      | -----       |
|                                                                                                      | 1931        | 133                      | 1,467                               | 2,048   | 1,440                                                  | 5,607             | 4,168                      | -----       |
|                                                                                                      | 1929        | 189                      | 2,240                               | 3,212   | 2,583                                                  | 10,984            | 8,351                      | 2,965       |
| Photo-engraving, not done in printing establishments.                                                | 1933        | 600                      | 7,907                               | 14,788  | 5,602                                                  | 37,583            | 31,981                     | -----       |
|                                                                                                      | 1931        | 617                      | 10,095                              | 24,990  | 7,408                                                  | 56,020            | 48,611                     | -----       |
|                                                                                                      | 1929        | 654                      | 12,383                              | 31,681  | 11,008                                                 | 77,382            | 66,879                     | 9,349       |
| Lithographing                                                                                        | 1933        | 346                      | 14,579                              | 18,123  | 21,440                                                 | 68,188            | 46,739                     | -----       |
|                                                                                                      | 1931        | 364                      | 16,215                              | 25,723  | 26,607                                                 | 87,433            | 60,826                     | -----       |
|                                                                                                      | 1929        | 376                      | 18,979                              | 32,022  | 38,992                                                 | 121,014           | 82,022                     | 36,471      |
| Stereotyping and electrotyping, not done in printing establishments.                                 | 1933        | 207                      | 3,734                               | 6,488   | 2,600                                                  | 20,006            | 17,397                     | -----       |
|                                                                                                      | 1931        | 223                      | 4,857                               | 10,917  | 3,590                                                  | 24,582            | 20,991                     | -----       |
|                                                                                                      | 1929        | 230                      | 6,487                               | 13,771  | 6,547                                                  | 35,617            | 29,070                     | 21,847      |
| Printers' supplies <sup>11</sup>                                                                     | 1933        | 86                       | 888                                 | 1,002   | 1,134                                                  | 5,327             | 4,193                      | -----       |
|                                                                                                      | 1931        | 108                      | 1,188                               | 1,605   | 1,775                                                  | 7,070             | 5,206                      | -----       |
|                                                                                                      | 1929        | 103                      | 1,471                               | 2,205   | 2,833                                                  | 11,183            | 8,350                      | 3,927       |
| CHEMICALS AND ALLIED PRODUCTS                                                                        |             |                          |                                     |         |                                                        |                   |                            |             |
| Chemicals and allied products, other than animal, vegetable, and compound oils, total. <sup>12</sup> | 1933        | 5,960                    | 220,507                             | 212,610 | 838,522                                                | 1,047,491         | 1,108,989                  | -----       |
|                                                                                                      | 1931        | 6,335                    | 215,176                             | 251,063 | 1,035,312                                              | 2,370,978         | 1,341,667                  | -----       |
|                                                                                                      | 1929        | 7,545                    | 259,169                             | 334,407 | 1,543,770                                              | 3,232,556         | 1,688,780                  | 1,965,380   |
|                                                                                                      | 1927        | 6,719                    | 227,344                             | 292,208 | 1,388,674                                              | 2,819,315         | 1,430,641                  | 1,519,832   |
|                                                                                                      | 1925        | 6,451                    | 220,452                             | 273,479 | 1,334,621                                              | 2,590,233         | 1,255,612                  | 1,452,687   |
| Ammunition and related products.                                                                     | 1933        | 24                       | 5,806                               | 4,848   | 10,473                                                 | 27,861            | 17,388                     | -----       |
|                                                                                                      | 1931        | 20                       | 6,873                               | 4,963   | 11,014                                                 | 28,896            | 17,858                     | -----       |
|                                                                                                      | 1929        | 21                       | 7,228                               | 8,273   | 19,842                                                 | 43,809            | 23,967                     | 17,061      |
| Explosives                                                                                           | 1933        | 66                       | 4,168                               | 4,135   | 12,705                                                 | 35,106            | 22,401                     | -----       |
|                                                                                                      | 1931        | 78                       | 4,733                               | 5,572   | 19,519                                                 | 46,258            | 26,739                     | -----       |
|                                                                                                      | 1929        | 95                       | 5,614                               | 8,488   | 31,784                                                 | 72,540            | 40,775                     | 51,612      |
| Fireworks                                                                                            | 1933        | 30                       | 919                                 | 702     | 970                                                    | 2,520             | 1,550                      | -----       |
|                                                                                                      | 1931        | 37                       | 1,350                               | 1,067   | 1,406                                                  | 3,722             | 2,317                      | -----       |
|                                                                                                      | 1929        | 50                       | 1,811                               | 1,931   | 2,465                                                  | 6,684             | 4,119                      | 1,746       |
| Baking powder, yeast, and other leavening compounds.                                                 | 1933        | 40                       | 2,690                               | 3,654   | 13,112                                                 | 31,975            | 18,893                     | -----       |
|                                                                                                      | 1931        | 45                       | 2,881                               | 4,798   | 20,746                                                 | 47,027            | 26,281                     | -----       |
|                                                                                                      | 1929        | 48                       | 3,006                               | 4,847   | 22,598                                                 | 52,337            | 29,738                     | 42,788      |

<sup>11</sup> At censuses prior to 1933, two separate industries, "Printing materials, not including type or printing ink" and "Type founding."

<sup>12</sup> The figures for 1931 and prior years differ from those previously published because of the transfer of the statistics for "Liquors, distilled" (formerly entitled "Alcohol, ethyl, and distilled liquors") and "Liquors, vinous" to group 1, "Food and kindred products."

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                                  | Census year | Number of establishments | Wage earners (average for the year) | Wages  | Cost of materials, fuel, and purchased electric energy | Value of products | Value added by manufacture | Horse-power |
|---------------------------------------------------------------------------|-------------|--------------------------|-------------------------------------|--------|--------------------------------------------------------|-------------------|----------------------------|-------------|
|                                                                           |             |                          |                                     |        |                                                        |                   |                            |             |
| In thousands of dollars                                                   |             |                          |                                     |        |                                                        |                   |                            |             |
| CHEMICALS AND ALLIED PRODUCTS—Continued                                   |             |                          |                                     |        |                                                        |                   |                            |             |
| Bluing.....                                                               | 1933        | 18                       | 77                                  | 86     | 323                                                    | 1,033             | 710                        | -----       |
|                                                                           | 1931        | 20                       | 95                                  | 94     | 402                                                    | 1,179             | 777                        | -----       |
|                                                                           | 1929        | 20                       | 106                                 | 107    | 460                                                    | 1,365             | 806                        | 169         |
| Bone black, carbon black, and lamp-black.                                 | 1933        | 48                       | 1,449                               | 1,206  | 4,010                                                  | 8,507             | 4,497                      | -----       |
|                                                                           | 1931        | 62                       | 1,039                               | 1,344  | 5,022                                                  | 9,535             | 4,513                      | -----       |
|                                                                           | 1929        | 77                       | 1,915                               | 2,583  | 9,096                                                  | 20,170            | 11,074                     | 11,288      |
| Blackings, stains, and dressings.                                         | 1933        | 164                      | 1,625                               | 1,504  | 6,909                                                  | 19,056            | 12,146                     | -----       |
|                                                                           | 1931        | 156                      | 1,501                               | 1,666  | 6,941                                                  | 20,343            | 13,402                     | -----       |
|                                                                           | 1929        | 170                      | 1,617                               | 1,959  | 8,345                                                  | 24,682            | 16,337                     | 3,317       |
| Candles.....                                                              | 1933        | 19                       | 673                                 | 561    | 1,844                                                  | 4,128             | 2,284                      | -----       |
|                                                                           | 1931        | 23                       | 713                                 | 711    | 2,481                                                  | 5,306             | 2,915                      | -----       |
|                                                                           | 1929        | 20                       | 781                                 | 923    | 3,251                                                  | 6,686             | 3,436                      | 1,971       |
| Chemicals, not elsewhere classified. <sup>13</sup>                        | 1933        | 541                      | 53,190                              | 59,229 | 221,453                                                | 476,503           | 255,049                    | -----       |
|                                                                           | 1931        | 558                      | 48,522                              | 60,360 | 246,068                                                | 533,175           | 287,107                    | -----       |
|                                                                           | 1929        | 561                      | 62,199                              | 94,080 | 363,577                                                | 738,048           | 374,472                    | 854,383     |
|                                                                           | 1927        | 492                      | 52,347                              | 78,275 | 296,677                                                | 572,091           | 275,414                    | 576,285     |
|                                                                           | 1925        | 761                      | 67,890                              | 83,537 | 282,712                                                | 570,310           | 287,598                    | 546,797     |
| Cleaning and polishing preparations.                                      | 1933        | 327                      | 2,755                               | 2,722  | 14,763                                                 | 41,048            | 26,296                     | -----       |
|                                                                           | 1931        | 388                      | 2,449                               | 2,069  | 16,979                                                 | 48,007            | 31,028                     | -----       |
|                                                                           | 1929        | 429                      | 2,713                               | 3,356  | 19,399                                                 | 60,780            | 31,381                     | 10,609      |
| Drug grinding.....                                                        | 1933        | 22                       | 630                                 | 614    | 3,448                                                  | 6,399             | 2,951                      | -----       |
|                                                                           | 1931        | 23                       | 661                                 | 711    | 5,457                                                  | 9,159             | 3,702                      | -----       |
|                                                                           | 1929        | 26                       | 677                                 | 841    | 5,675                                                  | 9,069             | 3,994                      | 5,277       |
| Druggists' preparations. <sup>14</sup>                                    | 1933        | 411                      | 12,920                              | 13,154 | 43,571                                                 | 146,776           | 103,205                    | -----       |
|                                                                           | 1931        | 449                      | 14,037                              | 15,984 | 51,197                                                 | 173,597           | 122,701                    | -----       |
|                                                                           | 1931        | 392                      | 9,476                               | 10,552 | 32,208                                                 | 109,448           | 77,240                     | -----       |
|                                                                           | 1929        | 426                      | 10,688                              | 12,452 | 43,776                                                 | 124,778           | 81,003                     | 19,448      |
| Patent or proprietary medicines and compounds. <sup>14</sup>              | 1933        | 905                      | 8,740                               | 7,600  | 38,233                                                 | 138,145           | 99,912                     | -----       |
|                                                                           | 1931        | 1,248                    | 9,588                               | 10,226 | 51,799                                                 | 164,481           | 142,622                    | -----       |
|                                                                           | 1931        | 1,298                    | 13,476                              | 14,835 | 68,416                                                 | 254,514           | 186,098                    | -----       |
|                                                                           | 1929        | 1,522                    | 16,434                              | 18,781 | 94,770                                                 | 318,907           | 224,137                    | 44,538      |
|                                                                           | 1927        | 1,282                    | 15,071                              | 16,667 | 84,641                                                 | 273,243           | 198,502                    | 34,082      |
|                                                                           | 1925        | 1,279                    | 14,802                              | 15,592 | 84,790                                                 | 247,564           | 162,774                    | 33,840      |
| Perfumes, cosmetics, and other toilet preparations. <sup>14</sup>         | 1933        | 490                      | 8,978                               | 7,470  | 33,175                                                 | 97,049            | 63,874                     | -----       |
|                                                                           | 1931        | 658                      | 10,026                              | 9,674  | 44,184                                                 | 163,813           | 109,624                    | -----       |
|                                                                           | 1931        | 603                      | 10,748                              | 10,446 | 46,556                                                 | 158,175           | 111,618                    | -----       |
|                                                                           | 1929        | 816                      | 13,109                              | 13,763 | 58,299                                                 | 193,441           | 135,142                    | 12,160      |
| Tanning materials, natural dyestuffs, mordants and assistants, and sizes. | 1933        | 124                      | 2,141                               | 2,212  | 13,518                                                 | 23,322            | 9,804                      | -----       |
|                                                                           | 1931        | 116                      | 1,962                               | 2,390  | 15,521                                                 | 26,469            | 10,948                     | -----       |
|                                                                           | 1929        | 126                      | 2,419                               | 3,114  | 25,336                                                 | 39,836            | 14,500                     | 22,575      |
| Fertilizers.....                                                          | 1933        | 522                      | 13,063                              | 7,274  | 69,053                                                 | 94,939            | 25,886                     | -----       |
|                                                                           | 1931        | 599                      | 14,551                              | 12,146 | 106,481                                                | 154,350           | 47,869                     | -----       |
|                                                                           | 1929        | 638                      | 20,926                              | 17,884 | 159,801                                                | 232,511           | 72,710                     | 168,984     |
|                                                                           | 1927        | 621                      | 18,612                              | 17,650 | 138,143                                                | 190,385           | 52,242                     | 156,274     |
|                                                                           | 1925        | 587                      | 19,644                              | 17,743 | 137,808                                                | 206,778           | 68,955                     | 152,193     |
| Compressed and liquefied gases.                                           | 1933        | 320                      | 2,763                               | 3,154  | 8,586                                                  | 32,007            | 23,421                     | -----       |
|                                                                           | 1931        | 349                      | 2,844                               | 3,896  | 10,135                                                 | 41,896            | 31,672                     | -----       |
|                                                                           | 1929        | 354                      | 3,390                               | 5,378  | 14,529                                                 | 52,190            | 37,661                     | 85,263      |
| Glue and gelatin.....                                                     | 1933        | 63                       | 2,013                               | 2,093  | 8,328                                                  | 17,163            | 8,834                      | -----       |
|                                                                           | 1931        | 72                       | 2,559                               | 3,325  | 15,460                                                 | 27,510            | 12,055                     | -----       |
|                                                                           | 1929        | 74                       | 2,693                               | 4,236  | 18,978                                                 | 32,458            | 13,450                     | 23,584      |
| Mucilage, paste, and other adhesives, except glue and rubber cement.      | 1933        | 55                       | 213                                 | 237    | 1,295                                                  | 2,478             | 1,184                      | -----       |
|                                                                           | 1931        | 69                       | 282                                 | 350    | 1,889                                                  | 3,621             | 1,732                      | -----       |
|                                                                           | 1929        | 84                       | 414                                 | 547    | 3,669                                                  | 6,638             | 2,970                      | 2,564       |
| Grease and tallow, not including lubricating greases.                     | 1933        | 201                      | 3,988                               | 4,099  | 14,141                                                 | 26,238            | 12,097                     | -----       |
|                                                                           | 1931        | 236                      | 4,067                               | 5,225  | 17,533                                                 | 29,241            | 11,708                     | -----       |
|                                                                           | 1929        | 297                      | 5,475                               | 7,862  | 40,142                                                 | 61,308            | 21,465                     | 41,586      |

<sup>13</sup> Includes "Compressed and liquefied gases" prior to 1927.

<sup>14</sup> Because of changes in classification, the statistics for 1931 and prior years are not strictly comparable with those for 1933. The figures in italics for 1931 have been adjusted for comparison with 1933.

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                    | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>for the<br>year) | Wages  | Cost of<br>materials,<br>fuel, and<br>purchased<br>electric<br>energy | Value of<br>products | Value<br>added by manufac-<br>ture | Horse-<br>power |
|-------------------------------------------------------------|---------------------|--------------------------------------------|-------------------------------------------------|--------|-----------------------------------------------------------------------|----------------------|------------------------------------|-----------------|
| In thousands of dollars                                     |                     |                                            |                                                 |        |                                                                       |                      |                                    |                 |
| <b>CHEMICALS AND AL-<br/>LIED PRODUCTS—<br/>Continued</b>   |                     |                                            |                                                 |        |                                                                       |                      |                                    |                 |
| Ink, printing.....                                          | 1933                | 160                                        | 2,094                                           | 2,603  | 12,604                                                                | 26,166               | 13,563                             | -----           |
|                                                             | 1931                | 171                                        | 2,247                                           | 3,479  | 14,832                                                                | 32,188               | 17,666                             | -----           |
|                                                             | 1929                | 147                                        | 2,448                                           | 3,957  | 19,205                                                                | 42,760               | 23,545                             | 20,300          |
| Ink, writing.....                                           | 1933                | 22                                         | 356                                             | 321    | 1,220                                                                 | 2,522                | 1,296                              | -----           |
|                                                             | 1931                | 23                                         | 347                                             | 363    | 1,453                                                                 | 3,535                | 2,078                              | -----           |
|                                                             | 1929                | 29                                         | 416                                             | 480    | 1,903                                                                 | 4,505                | 2,602                              | 847             |
| Paints and varnishes.....                                   | 1933                | 961                                        | 22,880                                          | 23,791 | 163,026                                                               | 289,442              | 136,416                            | -----           |
|                                                             | 1931                | 1,039                                      | 22,521                                          | 20,426 | 193,737                                                               | 350,726              | 150,969                            | -----           |
|                                                             | 1929                | 1,063                                      | 29,211                                          | 42,245 | 334,132                                                               | 608,970              | 234,844                            | 180,315         |
|                                                             | 1927                | 1,006                                      | 28,061                                          | 40,185 | 307,724                                                               | 510,010              | 211,285                            | 163,187         |
|                                                             | 1925                | 923                                        | 26,490                                          | 35,420 | 263,943                                                               | 470,730              | 176,793                            | 143,111         |
| Rayon and allied prod-<br>ucts.                             | 1933                | 34                                         | 44,306                                          | 38,613 | 44,061                                                                | 156,032              | 112,900                            | -----           |
|                                                             | 1931                | 32                                         | 38,735                                          | 38,231 | 30,181                                                                | 132,032              | 96,452                             | -----           |
|                                                             | 1929                | 20                                         | 39,106                                          | 44,607 | 33,335                                                                | 140,540              | 110,211                            | 195,544         |
| Salt.....                                                   | 1933                | 50                                         | 5,036                                           | 4,814  | 9,154                                                                 | 29,011               | 10,867                             | -----           |
|                                                             | 1931                | 53                                         | 4,728                                           | 5,549  | 10,804                                                                | 31,430               | 20,606                             | -----           |
|                                                             | 1929                | 58                                         | 5,468                                           | 6,735  | 14,188                                                                | 37,809               | 23,031                             | 57,711          |
| Soap.....                                                   | 1933                | 235                                        | 14,304                                          | 14,140 | 93,507                                                                | 200,128              | 106,021                            | -----           |
|                                                             | 1931                | 248                                        | 14,183                                          | 17,740 | 121,820                                                               | 257,719              | 135,889                            | -----           |
|                                                             | 1929                | 282                                        | 14,363                                          | 18,995 | 180,353                                                               | 310,102              | 129,839                            | 65,856          |
|                                                             | 1927                | 256                                        | 13,432                                          | 19,716 | 173,244                                                               | 287,000              | 114,816                            | 62,025          |
|                                                             | 1925                | 272                                        | 15,406                                          | 18,526 | 184,874                                                               | 278,273              | 93,400                             | 59,697          |
| Wood distillation and<br>charcoal manufac-<br>ture.         | 1933                | 54                                         | 2,731                                           | 1,782  | 5,073                                                                 | 11,036               | 5,993                              | -----           |
|                                                             | 1931                | 63                                         | 2,054                                           | 2,745  | 6,474                                                                 | 11,440               | 4,998                              | -----           |
|                                                             | 1929                | 91                                         | 4,648                                           | 6,293  | 14,701                                                                | 29,594               | 14,803                             | 25,699          |
| Animal, vege-<br>table, and com-<br>pounded oils,<br>total. | 1933                | 567                                        | 10,973                                          | 8,252  | 129,951                                                               | 170,022              | 40,072                             | -----           |
|                                                             | 1931                | 609                                        | 15,194                                          | 12,207 | 220,147                                                               | 273,657              | 53,509                             | -----           |
|                                                             | 1929                | 679                                        | 20,080                                          | 17,677 | 391,282                                                               | 470,116              | 78,834                             | 332,150         |
|                                                             | 1927                | 781                                        | 24,762                                          | 25,818 | 393,895                                                               | 495,913              | 102,018                            | 320,217         |
|                                                             | 1925                | 773                                        | 22,700                                          | 20,946 | 455,642                                                               | 559,866              | 104,214                            | 284,027         |
| Oil, cake, and meal,<br>cottonseed.                         | 1933                | 475                                        | 14,242                                          | 5,376  | 76,229                                                                | 104,212              | 25,982                             | -----           |
|                                                             | 1931                | 604                                        | 12,263                                          | 6,336  | 147,165                                                               | 181,847              | 34,182                             | -----           |
|                                                             | 1929                | 553                                        | 15,825                                          | 11,303 | 249,020                                                               | 298,370              | 40,356                             | 284,306         |
|                                                             | 1927                | 547                                        | 18,434                                          | 14,259 | 220,038                                                               | 270,388              | 56,300                             | 270,600         |
|                                                             | 1925                | 535                                        | 10,215                                          | 11,412 | 244,315                                                               | 295,585              | 51,309                             | 239,006         |
| Oils, essential.....                                        | 1933                | 12                                         | 175                                             | 222    | 2,243                                                                 | 3,094                | 851                                | -----           |
|                                                             | 1931                | 12                                         | 128                                             | 199    | 2,707                                                                 | 3,505                | 798                                | -----           |
|                                                             | 1929                | 22                                         | 265                                             | 326    | 3,804                                                                 | 6,563                | 2,549                              | 1,594           |
| Oil, cake, and meal,<br>linseed.                            | 1933                | 22                                         | 1,625                                           | 1,684  | 33,853                                                                | 40,463               | 6,610                              | -----           |
|                                                             | 1931                | 28                                         | 1,837                                           | 2,278  | 60,306                                                                | 62,883               | 12,676                             | -----           |
|                                                             | 1929                | 29                                         | 2,715                                           | 4,068  | 101,593                                                               | 119,927              | 18,364                             | 31,191          |
| Oils, not elsewhere<br>classified.                          | 1933                | 58                                         | 931                                             | 970    | 15,625                                                                | 22,264               | 6,629                              | -----           |
|                                                             | 1931                | 65                                         | 961                                             | 1,394  | 19,970                                                                | 25,922               | 6,952                              | -----           |
|                                                             | 1929                | 75                                         | 1,234                                           | 1,950  | 36,800                                                                | 45,160               | 8,264                              | 14,670          |
| <b>PRODUCTS OF PE-<br/>TROLEUM AND<br/>COAL</b>             |                     |                                            |                                                 |        |                                                                       |                      |                                    |                 |
| Coke-oven products.....                                     | 1933                | 97                                         | 13,066                                          | 15,627 | 123,275                                                               | 165,731              | 42,456                             | -----           |
|                                                             | 1931                | 112                                        | 14,353                                          | 22,134 | 162,793                                                               | 226,509              | 83,718                             | -----           |
|                                                             | 1929                | 153                                        | 20,552                                          | 33,389 | 281,692                                                               | 419,348              | 134,766                            | 393,211         |
|                                                             | 1927                | 171                                        | 21,032                                          | 34,168 | 286,720                                                               | 352,013              | 95,284                             | 451,874         |
|                                                             | 1925                | 237                                        | 23,191                                          | 36,762 | 277,751                                                               | 378,034              | 100,883                            | 406,552         |
| Fuel briquettes.....                                        | 1933                | 24                                         | 296                                             | 262    | 1,888                                                                 | 2,944                | 1,058                              | -----           |
|                                                             | 1931                | 23                                         | 301                                             | 357    | 3,035                                                                 | 4,568                | 1,633                              | -----           |
|                                                             | 1929                | 28                                         | 426                                             | 584    | 5,919                                                                 | 9,498                | 3,579                              | 14,893          |
| Gas, manufactured, il-<br>luminating and heat-<br>ing.      | 1933                | 543                                        | 20,250                                          | 26,980 | 79,189                                                                | 295,480              | 216,292                            | -----           |
|                                                             | 1931                | 638                                        | 34,523                                          | 49,442 | 152,680                                                               | 467,751              | 315,172                            | -----           |
|                                                             | 1929                | 754                                        | 43,065                                          | 81,322 | 188,416                                                               | 512,653              | 324,236                            | 544,024         |
|                                                             | 1927                | 828                                        | 48,497                                          | 68,356 | 211,736                                                               | 516,705              | 304,920                            | 496,014         |
|                                                             | 1925                | 919                                        | 46,998                                          | 67,436 | 178,423                                                               | 455,400              | 277,037                            | 426,182         |

\* Revised; revision not carried into total.

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                          | Census year | Number of establishments | Wage earners (average for the year) | Wages   | Cost of materials, fuel, and purchased electric energy | Value of products | Value added by manufacture | Horse-power |
|-------------------------------------------------------------------|-------------|--------------------------|-------------------------------------|---------|--------------------------------------------------------|-------------------|----------------------------|-------------|
| In thousands of dollars                                           |             |                          |                                     |         |                                                        |                   |                            |             |
| <b>PRODUCTS OF PETROLEUM AND COAL—Continued</b>                   |             |                          |                                     |         |                                                        |                   |                            |             |
| Lubricating oils and greases, not made in petroleum refineries.   | 1933        | 158                      | 1,794                               | 2,087   | 16,774                                                 | 28,702            | 11,928                     | -----       |
|                                                                   | 1931        | 168                      | 2,115                               | 2,960   | 22,809                                                 | 41,704            | 18,395                     | -----       |
|                                                                   | 1929        | 177                      | 2,577                               | 3,739   | 39,571                                                 | 69,584            | 30,013                     | 13,281      |
| Petroleum refining-----                                           | 1933        | 389                      | 99,047                              | 89,793  | 1,064,437                                              | 1,378,637         | 314,200                    | -----       |
|                                                                   | 1931        | 376                      | 98,824                              | 107,474 | 1,210,517                                              | 1,524,285         | 313,768                    | -----       |
|                                                                   | 1929        | 390                      | 99,696                              | 131,177 | 2,031,341                                              | 2,039,605         | 608,324                    | 789,849     |
|                                                                   | 1927        | 354                      | 71,234                              | 113,717 | 1,752,997                                              | 2,142,649         | 889,651                    | 552,661     |
|                                                                   | 1925        | 369                      | 65,324                              | 104,645 | 1,889,678                                              | 2,376,657         | 489,979                    | 393,753     |
| <b>RUBBER PRODUCTS</b>                                            |             |                          |                                     |         |                                                        |                   |                            |             |
| Boots and shoes, rubber.                                          | 1933        | 13                       | 18,102                              | 14,440  | 14,124                                                 | 42,019            | 27,895                     | -----       |
|                                                                   | 1931        | 15                       | 16,832                              | 13,770  | 12,298                                                 | 47,905            | 35,607                     | -----       |
|                                                                   | 1929        | 22                       | 26,659                              | 29,945  | 34,396                                                 | 102,538           | 68,141                     | 62,603      |
| Rubber tires and inner tubes.                                     | 1933        | 44                       | 52,976                              | 54,737  | 139,392                                                | 299,313           | 159,921                    | -----       |
|                                                                   | 1931        | 48                       | 49,159                              | 68,089  | 173,604                                                | 400,288           | 232,679                    | -----       |
|                                                                   | 1929        | 61                       | 85,263                              | 127,082 | 429,607                                                | 770,177           | 340,570                    | 463,267     |
|                                                                   | 1927        | 109                      | 78,256                              | 120,064 | 499,221                                                | 869,688           | 370,467                    | 451,724     |
|                                                                   | 1925        | 126                      | 81,640                              | 120,614 | 559,040                                                | 925,002           | 365,062                    | 403,227     |
| Rubber goods, other than tires, inner tubes, and boots and shoes. | 1933        | 351                      | 35,205                              | 29,936  | 67,881                                                 | 131,411           | 73,581                     | -----       |
|                                                                   | 1931        | 390                      | 34,218                              | 35,738  | 66,965                                                 | 160,077           | 93,112                     | -----       |
|                                                                   | 1929        | 412                      | 40,226                              | 50,279  | 114,674                                                | 244,746           | 130,071                    | 295,452     |
|                                                                   | 1927        | 385                      | 36,893                              | 45,931  | 117,777                                                | 230,781           | 113,005                    | 270,589     |
|                                                                   | 1925        | 331                      | 35,230                              | 42,613  | 121,224                                                | 219,869           | 98,646                     | 197,051     |
| <b>LEATHER AND ITS MANUFACTURES</b>                               |             |                          |                                     |         |                                                        |                   |                            |             |
| Leather: Tanned, curried, and finished.                           | 1933        | 374                      | 44,191                              | 43,076  | 138,177                                                | 237,202           | 99,025                     | -----       |
|                                                                   | 1931        | 418                      | 42,047                              | 49,542  | 172,786                                                | 271,138           | 98,352                     | -----       |
|                                                                   | 1929        | 471                      | 49,932                              | 63,414  | 337,598                                                | 481,340           | 145,742                    | 229,660     |
|                                                                   | 1927        | 494                      | 52,024                              | 67,887  | 331,985                                                | 494,256           | 162,271                    | 220,530     |
|                                                                   | 1925        | 531                      | 52,263                              | 65,834  | 296,953                                                | 452,186           | 155,293                    | 215,678     |
| Finished products of leather, total.                              | 1933        | 2,891                    | 237,811                             | 179,411 | 406,560                                                | 766,571           | 363,010                    | -----       |
|                                                                   | 1931        | 3,284                    | 230,710                             | 212,588 | 499,415                                                | 918,738           | 425,324                    | -----       |
|                                                                   | 1929        | 3,814                    | 268,540                             | 296,047 | 794,424                                                | 1,424,831         | 630,436                    | 206,764     |
|                                                                   | 1927        | 3,778                    | 233,157                             | 296,650 | 758,832                                                | 1,375,360         | 619,528                    | 199,313     |
|                                                                   | 1925        | 3,721                    | 261,865                             | 289,685 | 716,059                                                | 1,311,831         | 595,772                    | 197,653     |
| Belting and packing, leather.                                     | 1933        | 152                      | 1,684                               | 1,733   | 7,018                                                  | 14,880            | 7,862                      | -----       |
|                                                                   | 1931        | 178                      | 1,640                               | 1,998   | 7,302                                                  | 14,522            | 7,220                      | -----       |
|                                                                   | 1929        | 207                      | 2,602                               | 3,550   | 20,630                                                 | 35,632            | 14,952                     | 6,826       |
| Boots and shoes, other than rubber.                               | 1933        | 1,132                    | 190,914                             | 142,054 | 286,303                                                | 563,425           | 267,122                    | -----       |
|                                                                   | 1931        | 1,156                    | 181,374                             | 163,271 | 337,627                                                | 653,880           | 316,252                    | -----       |
|                                                                   | 1929        | 1,341                    | 206,640                             | 222,408 | 515,055                                                | 965,923           | 460,867                    | 140,329     |
|                                                                   | 1927        | 1,357                    | 203,110                             | 225,080 | 494,553                                                | 944,714           | 450,161                    | 138,706     |
|                                                                   | 1925        | 1,460                    | 205,992                             | 225,788 | 481,632                                                | 925,383           | 443,751                    | 139,560     |
| Boot and shoe cut stock, not made in boot and shoe factories.     | 1933        | 159                      | 6,544                               | 5,808   | 43,618                                                 | 56,280            | 12,692                     | -----       |
|                                                                   | 1931        | 191                      | 5,684                               | 8,148   | 64,132                                                 | 79,734            | 15,602                     | -----       |
|                                                                   | 1929        | 210                      | 9,499                               | 10,320  | 107,546                                                | 133,448           | 25,902                     | 15,828      |
| Boot and shoe findings, not made in boot and shoe factories.      | 1933        | 328                      | 10,254                              | 8,110   | 18,247                                                 | 37,014            | 18,767                     | -----       |
|                                                                   | 1931        | 361                      | 9,088                               | 9,204   | 18,142                                                 | 37,366            | 19,225                     | -----       |
|                                                                   | 1929        | 382                      | 10,376                              | 11,068  | 31,964                                                 | 58,625            | 26,661                     | 20,259      |
| Gloves and mittens, leather.                                      | 1933        | 104                      | 8,129                               | 6,484   | 11,377                                                 | 23,470            | 12,093                     | -----       |
|                                                                   | 1931        | 227                      | 7,884                               | 7,554   | 13,136                                                 | 28,024            | 14,887                     | -----       |
|                                                                   | 1929        | 257                      | 9,203                               | 9,204   | 20,206                                                 | 39,123            | 18,917                     | 8,498       |
| Pocketbooks, purses, and cardcases.                               | 1933        | 218                      | 8,107                               | 5,954   | 15,349                                                 | 28,345            | 12,996                     | -----       |
|                                                                   | 1931        | 260                      | 8,747                               | 9,793   | 22,601                                                 | 43,147            | 20,646                     | -----       |
|                                                                   | 1929        | 290                      | 10,430                              | 15,229  | 35,352                                                 | 68,628            | 33,276                     | 1,828       |
| Saddlery, harness, and whips.                                     | 1933        | 147                      | 2,515                               | 2,054   | 6,146                                                  | 10,364            | 4,218                      | -----       |
|                                                                   | 1931        | 185                      | 1,974                               | 1,926   | 5,268                                                  | 9,339             | 4,071                      | -----       |
|                                                                   | 1929        | 208                      | 3,396                               | 3,761   | 13,914                                                 | 23,563            | 9,648                      | 4,780       |

\* Revised; revision not carried into total.

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                                         | Census year | Number of establishments | Wage earners (average for the year) | Wages   | Cost of materials, fuel, and purchased electric energy | Value of products | Value added by manufacture | Horse-power |
|----------------------------------------------------------------------------------|-------------|--------------------------|-------------------------------------|---------|--------------------------------------------------------|-------------------|----------------------------|-------------|
|                                                                                  |             |                          |                                     |         |                                                        |                   |                            |             |
| In thousands of dollars                                                          |             |                          |                                     |         |                                                        |                   |                            |             |
| LEATHER, ETC.—Continued                                                          |             |                          |                                     |         |                                                        |                   |                            |             |
| Trunks, suitcases, and bags.                                                     | 1933        | 270                      | 5,117                               | 3,749   | 9,328                                                  | 17,308            | 8,040                      | -----       |
|                                                                                  | 1931        | 371                      | 6,198                               | 6,343   | 13,232                                                 | 26,715            | 13,483                     | -----       |
|                                                                                  | 1929        | 467                      | 11,369                              | 13,767  | 31,094                                                 | 63,960            | 32,275                     | 10,220      |
| Leather goods, not elsewhere classified.                                         | 1933        | 291                      | 4,547                               | 3,516   | 9,176                                                  | 18,425            | 9,250                      | -----       |
|                                                                                  | 1931        | 355                      | 5,221                               | 5,321   | 11,074                                                 | 26,012            | 14,038                     | -----       |
|                                                                                  | 1929        | 392                      | 6,035                               | 6,760   | 18,013                                                 | 35,951            | 17,938                     | 3,196       |
| STONE, CLAY, AND GLASS PRODUCTS                                                  |             |                          |                                     |         |                                                        |                   |                            |             |
| Industries using stone as a material, total.                                     | 1933        | 2,516                    | 58,220                              | 51,875  | 91,736                                                 | 261,044           | 160,308                    | -----       |
|                                                                                  | 1931        | 3,762                    | 84,787                              | 107,105 | 166,666                                                | 463,441           | 297,774                    | -----       |
|                                                                                  | 1929        | 5,149                    | 116,411                             | 171,790 | 288,240                                                | 751,210           | 482,955                    | 1,856,952   |
|                                                                                  | 1927        | 5,156                    | 126,569                             | 187,879 | 303,032                                                | 787,843           | 484,211                    | 1,672,639   |
|                                                                                  | 1925        | 4,852                    | 123,609                             | 178,644 | 300,793                                                | 779,031           | 478,238                    | 1,365,906   |
| Concrete products.                                                               | 1933        | 766                      | 4,422                               | 3,592   | 9,289                                                  | 20,538            | 11,249                     | -----       |
|                                                                                  | 1931        | 1,432                    | 9,253                               | 10,728  | 22,373                                                 | 53,192            | 30,819                     | -----       |
|                                                                                  | 1929        | 2,438                    | 16,505                              | 22,688  | 34,065                                                 | 92,901            | 58,866                     | 67,051      |
| Marble, granite, slate, and other stone products.                                | 1933        | 1,120                    | 10,541                              | 10,780  | 17,777                                                 | 55,041            | 37,264                     | -----       |
|                                                                                  | 1931        | 1,588                    | 27,700                              | 41,651  | 34,405                                                 | 119,395           | 84,090                     | -----       |
|                                                                                  | 1929        | 1,881                    | 37,817                              | 63,041  | 57,638                                                 | 192,164           | 134,526                    | 305,915     |
| Lime.                                                                            | 1933        | 167                      | 5,972                               | 4,079   | 6,543                                                  | 16,200            | 9,657                      | -----       |
|                                                                                  | 1931        | 203                      | 6,706                               | 6,012   | 8,896                                                  | 22,200            | 13,304                     | -----       |
|                                                                                  | 1929        | 237                      | 8,554                               | 9,476   | 13,908                                                 | 35,810            | 21,908                     | 90,276      |
| Cement.                                                                          | 1933        | 148                      | 15,829                              | 13,870  | 26,932                                                 | 80,921            | 59,989                     | -----       |
|                                                                                  | 1931        | 164                      | 24,317                              | 29,884  | 56,008                                                 | 148,845           | 92,747                     | -----       |
|                                                                                  | 1929        | 174                      | 33,368                              | 48,840  | 95,242                                                 | 207,500           | 172,267                    | 1,183,980   |
|                                                                                  | 1927        | 161                      | 36,322                              | 53,111  | 120,012                                                | 293,565           | 173,553                    | 1,069,390   |
|                                                                                  | 1925        | 145                      | 38,437                              | 53,912  | 114,166                                                | 300,895           | 186,726                    | 871,650     |
| Wall board, insulating board, gypsum, and other plasters, and floor composition. | 1933        | 161                      | 4,404                               | 3,457   | 8,984                                                  | 26,725            | 17,741                     | -----       |
|                                                                                  | 1931        | 204                      | 5,866                               | 6,482   | 17,869                                                 | 51,720            | 33,852                     | -----       |
|                                                                                  | 1929        | 236                      | 7,462                               | 10,080  | 28,313                                                 | 70,603            | 42,350                     | 142,854     |
| Abrasive wheels, stones, paper, and cloth, and related products. <sup>1</sup>    | 1933        | 77                       | 4,800                               | 4,981   | 11,349                                                 | 30,159            | 18,810                     | -----       |
|                                                                                  | 1931        | 73                       | 4,614                               | 5,540   | 11,727                                                 | 31,647            | 19,919                     | -----       |
| Asbestos products, other than steam packing or pipe and boiler covering.         | 1933        | 58                       | 6,084                               | 5,075   | 10,789                                                 | 25,255            | 14,466                     | -----       |
|                                                                                  | 1931        | 67                       | 6,000                               | 6,452   | 13,837                                                 | 35,174            | 21,337                     | -----       |
|                                                                                  | 1929        | 67                       | 8,092                               | 10,777  | 25,408                                                 | 56,164            | 30,756                     | 40,458      |
| Sand-lime brick.                                                                 | 1933        | 10                       | 84                                  | 61      | 74                                                     | 205               | 131                        | -----       |
|                                                                                  | 1931        | 31                       | 322                                 | 357     | 461                                                    | 1,268             | 806                        | -----       |
|                                                                                  | 1929        | 40                       | 566                                 | 776     | 945                                                    | 2,071             | 2,026                      | 7,346       |
| Industries using clay and other earthen materials, total.                        | 1933        | 1,374                    | 58,456                              | 39,486  | 38,424                                                 | 122,831           | 84,406                     | -----       |
|                                                                                  | 1931        | 1,807                    | 80,969                              | 75,223  | 99,977                                                 | 209,286           | 149,309                    | -----       |
|                                                                                  | 1929        | 2,370                    | 133,668                             | 158,478 | 122,823                                                | 441,270           | 318,447                    | 541,300     |
|                                                                                  | 1927        | 2,598                    | 148,860                             | 182,486 | 156,264                                                | 488,559           | 332,295                    | 707,248     |
|                                                                                  | 1925        | 2,688                    | 150,933                             | 189,012 | 165,937                                                | 602,770           | 346,833                    | 700,775     |
| Clay products (other than pottery) and nonclay refractories.                     | 1933        | 928                      | 31,944                              | 18,967  | 19,994                                                 | 64,603            | 44,609                     | -----       |
|                                                                                  | 1931        | 1,264                    | 61,128                              | 44,368  | 36,969                                                 | 127,336           | 90,367                     | -----       |
|                                                                                  | 1929        | 1,760                    | 93,637                              | 107,348 | 82,734                                                 | 297,879           | 215,145                    | 535,567     |
|                                                                                  | 1927        | 1,857                    | 101,230                             | 122,311 | 100,642                                                | 321,800           | 221,248                    | 531,269     |
|                                                                                  | 1925        | 1,950                    | 103,061                             | 127,508 | 100,768                                                | 335,822           | 235,064                    | 518,680     |
| Pottery, including porcelain ware.                                               | 1933        | 231                      | 23,632                              | 17,891  | 12,179                                                 | 43,718            | 31,639                     | -----       |
|                                                                                  | 1931        | 275                      | 27,023                              | 26,981  | 10,393                                                 | 66,866            | 49,473                     | -----       |
|                                                                                  | 1929        | 313                      | 35,409                              | 43,656  | 27,007                                                 | 110,622           | 83,615                     | 61,868      |
| China firing and decorating, not done in potteries.                              | 1933        | 14                       | 152                                 | 127     | 378                                                    | 762               | 384                        | -----       |
|                                                                                  | 1931        | 21                       | 220                                 | 236     | 551                                                    | 1,128             | 577                        | -----       |
|                                                                                  | 1929        | 27                       | 317                                 | 420     | 640                                                    | 1,554             | 914                        | 53          |
| Graphite, ground and refined.                                                    | 1933        | 10                       | 168                                 | 146     | 763                                                    | 1,490             | 727                        | -----       |
|                                                                                  | 1931        | 9                        | 183                                 | 183     | 970                                                    | 1,982             | 986                        | -----       |
|                                                                                  | 1929        | 11                       | 494                                 | 627     | 1,468                                                  | 3,700             | 2,302                      | 3,156       |
| Minerals and earths, ground or otherwise treated.                                | 1933        | 107                      | 1,874                               | 1,565   | 4,389                                                  | 9,684             | 5,295                      | -----       |
|                                                                                  | 1931        | 88                       | 1,090                               | 1,127   | 3,817                                                  | 7,295             | 3,478                      | -----       |
|                                                                                  | 1929        | 88                       | 1,679                               | 2,188   | 8,938                                                  | 17,400            | 8,471                      | 39,117      |

<sup>1</sup> Because of a change in classification, no comparable figures can be shown for earlier years.

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                                                                                            | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earn-<br>ers<br>(average<br>for the<br>year) | Wages   | Cost of<br>materials,<br>fuel, and<br>purchased<br>electric<br>energy | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Horse-<br>power |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------|------------------------------------------------------|---------|-----------------------------------------------------------------------|----------------------|---------------------------------------|-----------------|
| In thousands of dollars                                                                                                             |                     |                                            |                                                      |         |                                                                       |                      |                                       |                 |
| <b>STONE, CLAY, ETC.—Continued</b>                                                                                                  |                     |                                            |                                                      |         |                                                                       |                      |                                       |                 |
| Statuary and art goods<br>(except concrete), fac-<br>tory production.                                                               | 1933                | 84                                         | 686                                                  | 789     | 721                                                                   | 2,574                | 1,853                                 | -----           |
|                                                                                                                                     | 1931                | 180                                        | 1,325                                                | 2,328   | 1,271                                                                 | 5,700                | 4,429                                 | -----           |
|                                                                                                                                     | 1929                | 171                                        | 2,112                                                | 4,236   | 2,045                                                                 | 10,045               | 8,000                                 | 1,539           |
| Glass and manu-<br>factures of glass,<br>total.                                                                                     | 1933                | 638                                        | 58,317                                               | 50,781  | 81,965                                                                | 224,825              | 142,830                               | -----           |
|                                                                                                                                     | 1931                | 839                                        | 57,100                                               | 60,531  | 90,824                                                                | 252,592              | 161,767                               | -----           |
|                                                                                                                                     | 1929                | 908                                        | 78,338                                               | 102,552 | 135,272                                                               | 368,934              | 233,663                               | 356,150         |
|                                                                                                                                     | 1927                | 919                                        | 74,598                                               | 93,928  | 134,879                                                               | 336,147              | 201,268                               | 829,244         |
|                                                                                                                                     | 1925                | 938                                        | 78,384                                               | 90,866  | 146,467                                                               | 358,851              | 212,154                               | 281,476         |
| Glass-----                                                                                                                          | 1933                | 213                                        | 49,797                                               | 45,222  | 63,410                                                                | 191,943              | 128,588                               | -----           |
|                                                                                                                                     | 1931                | 229                                        | 49,917                                               | 57,882  | 73,575                                                                | 216,265              | 142,690                               | -----           |
|                                                                                                                                     | 1929                | 263                                        | 67,527                                               | 87,796  | 103,294                                                               | 303,819              | 200,525                               | 341,979         |
|                                                                                                                                     | 1927                | 269                                        | 65,825                                               | 81,353  | 109,911                                                               | 282,394              | 172,453                               | 318,298         |
|                                                                                                                                     | 1925                | 310                                        | 69,371                                               | 80,738  | 113,652                                                               | 295,959              | 182,307                               | 271,639         |
| Mirrors and other glass<br>products made of pur-<br>chased glass.                                                                   | 1933                | 425                                        | 6,520                                                | 3,559   | 18,585                                                                | 32,877               | 14,292                                | -----           |
|                                                                                                                                     | 1931                | 610                                        | 7,183                                                | 8,650   | 17,250                                                                | 36,327               | 19,077                                | -----           |
|                                                                                                                                     | 1929                | 735                                        | 10,811                                               | 14,767  | 31,978                                                                | 65,116               | 33,138                                | 14,171          |
| <b>IRON AND STEEL<br/>AND THEIR PROD-<br/>UCTS, NOT IN-<br/>CLUDING MA-<br/>CHINERY</b>                                             |                     |                                            |                                                      |         |                                                                       |                      |                                       |                 |
| Crude iron and<br>steel and rolled<br>products, total.                                                                              | 1933                | 466                                        | 288,945                                              | 270,367 | 876,046                                                               | 1,357,574            | 481,529                               | -----           |
|                                                                                                                                     | 1931                | 526                                        | 278,206                                              | 357,945 | 1,091,015                                                             | 1,714,214            | 623,199                               | -----           |
|                                                                                                                                     | 1929                | 591                                        | 419,534                                              | 730,074 | 2,514,377                                                             | 4,137,214            | 1,622,387                             | 7,632,630       |
|                                                                                                                                     | 1927                | 602                                        | 389,270                                              | 646,534 | 2,269,210                                                             | 3,488,744            | 1,219,534                             | 6,781,058       |
|                                                                                                                                     | 1925                | 595                                        | 399,014                                              | 660,297 | 2,429,378                                                             | 3,711,354            | 1,281,976                             | 6,143,927       |
| Blast-furnace prod-<br>ucts.                                                                                                        | 1933                | 72                                         | 12,098                                               | 11,564  | 183,957                                                               | 213,685              | 29,729                                | -----           |
|                                                                                                                                     | 1931                | 80                                         | 13,572                                               | 16,259  | 259,132                                                               | 311,371              | 52,240                                | -----           |
|                                                                                                                                     | 1929                | 105                                        | 24,960                                               | 41,959  | 610,294                                                               | 771,425              | 161,132                               | (H)             |
|                                                                                                                                     | 1927                | 116                                        | 27,958                                               | 44,258  | 579,555                                                               | 708,904              | 129,349                               | (H)             |
|                                                                                                                                     | 1925                | 122                                        | 29,188                                               | 46,312  | 617,417                                                               | 765,286              | 147,869                               | 1,380,394       |
| Steel works and rolling-<br>mill products (includ-<br>ing all departments<br>such as bolt and nut,<br>wire, tin plate, etc.         | 1933                | 304                                        | 276,847                                              | 258,808 | 692,089                                                               | 1,143,889            | 451,800                               | -----           |
|                                                                                                                                     | 1931                | 446                                        | 294,634                                              | 338,387 | 831,884                                                               | 1,402,843            | 570,959                               | -----           |
|                                                                                                                                     | 1929                | 489                                        | 394,574                                              | 689,016 | 1,904,083                                                             | 3,365,789            | 1,431,706                             | 107,532,630     |
|                                                                                                                                     | 1927                | 486                                        | 361,312                                              | 601,275 | 1,689,655                                                             | 2,779,840            | 1,090,135                             | 106,781,058     |
|                                                                                                                                     | 1925                | 473                                        | 370,726                                              | 614,985 | 1,811,961                                                             | 2,946,068            | 1,134,107                             | 4,763,533       |
| Other iron and<br>steel products,<br>total. <sup>17</sup>                                                                           | 1933                | 4,067                                      | 265,168                                              | 230,012 | 524,784                                                               | 1,105,426            | 580,642                               | -----           |
|                                                                                                                                     | 1931                | 6,439                                      | 319,747                                              | 347,480 | 715,355                                                               | 1,563,191            | 847,837                               | -----           |
|                                                                                                                                     | 1929                | 9,049                                      | 461,343                                              | 650,013 | 1,348,497                                                             | 2,800,714            | 1,652,217                             | 1,668,292       |
|                                                                                                                                     | 1927                | 9,738                                      | 445,697                                              | 618,278 | 1,276,405                                                             | 2,708,850            | 1,433,445                             | 1,541,672       |
|                                                                                                                                     | 1925                | 9,408                                      | 450,869                                              | 623,544 | 1,304,707                                                             | 2,747,327            | 1,442,621                             | 1,374,780       |
| Bolts, nuts, washers,<br>and rivets, not made<br>in rolling mills. <sup>18</sup>                                                    | 1933                | 103                                        | 8,480                                                | 7,155   | 15,350                                                                | 32,874               | 17,523                                | -----           |
|                                                                                                                                     | 1931                | 116                                        | 10,518                                               | 10,177  | 16,872                                                                | 39,493               | 22,611                                | -----           |
|                                                                                                                                     | 1929                | 117                                        | 16,175                                               | 22,116  | 44,212                                                                | 102,392              | 58,180                                | 66,843          |
| Cast-iron pipe and fit-<br>tings.                                                                                                   | 1933                | 71                                         | 9,454                                                | 5,847   | 8,992                                                                 | 20,916               | 11,024                                | -----           |
|                                                                                                                                     | 1931                | 78                                         | 16,066                                               | 14,559  | 20,977                                                                | 47,998               | 26,950                                | -----           |
|                                                                                                                                     | 1929                | 72                                         | 19,741                                               | 22,552  | 34,289                                                                | 80,261               | 45,971                                | 69,757          |
| Doors, shutters, and<br>window sash and<br>frames, molding, and<br>trim, metal.                                                     | 1933                | 125                                        | 3,572                                                | 3,123   | 5,953                                                                 | 13,377               | 7,423                                 | -----           |
|                                                                                                                                     | 1931                | 139                                        | 6,816                                                | 8,898   | 14,572                                                                | 35,608               | 21,036                                | -----           |
|                                                                                                                                     | 1929                | 148                                        | 9,557                                                | 17,065  | 30,178                                                                | 72,160               | 41,982                                | 25,027          |
| Forgings, iron and<br>steel, not made in<br>plants operated in<br>connection with steel<br>works or rolling<br>mills. <sup>18</sup> | 1933                | 181                                        | 7,953                                                | 7,364   | 16,896                                                                | 32,523               | 15,627                                | -----           |
|                                                                                                                                     | 1931                | 202                                        | 9,071                                                | 11,444  | 22,637                                                                | 47,700               | 26,043                                | -----           |
|                                                                                                                                     | 1929                | 218                                        | 20,882                                               | 34,505  | 71,607                                                                | 156,249              | 84,642                                | 147,491         |

<sup>14</sup> Not reported separately; included with "Steel works and rolling-mill products."<sup>15</sup> Combined total for "Blast-furnace products" and "Steel works and rolling-mill products."<sup>17</sup> Figures for 1929 and prior years include "Iron and steel, processed," abandoned as a separate industry classification in 1931 and, beginning with that year, included with "Foundry and machine-shop products, not elsewhere classified," in the machinery group.<sup>18</sup> Similar products are manufactured to a considerable extent by departments of "Steel works and rolling-mill products" industry. The figures here given refer only to establishments engaged primarily in the manufacture of the specified classes of products.

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                                                                                             | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earn-<br>ers<br>(average<br>for the<br>year) | Wages  | Cost of<br>materials,<br>fuel, and<br>purchased<br>electric<br>energy | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Horse-<br>power |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------|------------------------------------------------------|--------|-----------------------------------------------------------------------|----------------------|---------------------------------------|-----------------|
| In thousands of dollars                                                                                                              |                     |                                            |                                                      |        |                                                                       |                      |                                       |                 |
| IRON AND STEEL,<br>ETC.—Continued                                                                                                    |                     |                                            |                                                      |        |                                                                       |                      |                                       |                 |
| Nails, spikes, etc., not<br>made in wire mills or<br>in plants operated in<br>connection with roll-<br>ing mills. <sup>12</sup>      | 1933                | 39                                         | 1,095                                                | 1,590  | 2,704                                                                 | 6,973                | 4,260                                 | -----           |
|                                                                                                                                      | 1931                | 46                                         | 1,570                                                | 1,070  | 2,982                                                                 | 6,828                | 3,846                                 | -----           |
|                                                                                                                                      | 1929                | 55                                         | 2,027                                                | 2,553  | 5,956                                                                 | 12,855               | 6,899                                 | 9,096           |
| Springs, steel, except<br>wire, not made in<br>plants operated in<br>connection with roll-<br>ing mills. <sup>14 15</sup>            | 1933                | 60                                         | 2,112                                                | 1,972  | 5,543                                                                 | 10,413               | 4,869                                 | -----           |
|                                                                                                                                      | 1931                | 77                                         | 2,561                                                | 3,101  | 6,567                                                                 | 18,614               | 6,248                                 | -----           |
|                                                                                                                                      | 1931                | 98                                         | 2,938                                                | 3,634  | 7,541                                                                 | 15,168               | 7,617                                 | -----           |
|                                                                                                                                      | 1929                | 86                                         | 5,842                                                | 9,814  | 25,372                                                                | 46,672               | 21,800                                | 24,318          |
| Steel barrels, kegs, and<br>drums.                                                                                                   | 1933                | 58                                         | 6,517                                                | 6,026  | 18,035                                                                | 30,399               | 12,364                                | -----           |
|                                                                                                                                      | 1931                | 52                                         | 3,263                                                | 3,513  | 12,990                                                                | 21,644               | 8,654                                 | -----           |
|                                                                                                                                      | 1929                | 53                                         | 4,110                                                | 5,769  | 21,947                                                                | 37,825               | 15,878                                | 15,289          |
| Structural and orna-<br>mental metal work,<br>not made in plants<br>operated in connec-<br>tion with rolling<br>mills. <sup>13</sup> | 1933                | 962                                        | 21,377                                               | 18,624 | 63,169                                                                | 107,612              | 44,443                                | -----           |
|                                                                                                                                      | 1931                | 1,302                                      | 37,510                                               | 47,875 | 131,049                                                               | 238,033              | 106,384                               | -----           |
|                                                                                                                                      | 1929                | 1,482                                      | 54,947                                               | 87,786 | 244,666                                                               | 477,037              | 232,341                               | 286,175         |
|                                                                                                                                      | 1927                | 1,284                                      | 62,392                                               | 84,678 | 243,446                                                               | 440,376              | 198,930                               | 251,670         |
|                                                                                                                                      | 1925                | 1,136                                      | 48,341                                               | 77,411 | 237,653                                                               | 420,908              | 183,345                               | 211,732         |
| Wrought pipe, welded<br>and heavy riveted,<br>not made in plants<br>operated in connec-<br>tion with rolling<br>mills. <sup>16</sup> | 1933                | 44                                         | 8,552                                                | 5,580  | 20,821                                                                | 34,057               | 14,135                                | -----           |
|                                                                                                                                      | 1931                | 51                                         | 8,045                                                | 9,890  | 42,291                                                                | 75,041               | 32,749                                | -----           |
|                                                                                                                                      | 1929                | 50                                         | 11,417                                               | 18,762 | 70,121                                                                | 124,650              | 54,638                                | 68,630          |
| Firearms-----                                                                                                                        | 1933                | 22                                         | 3,382                                                | 3,164  | 2,160                                                                 | 8,214                | 7,045                                 | -----           |
|                                                                                                                                      | 1931                | 24                                         | 4,264                                                | 4,711  | 2,501                                                                 | 10,611               | 8,110                                 | -----           |
|                                                                                                                                      | 1929                | 21                                         | 6,838                                                | 9,210  | 4,117                                                                 | 21,970               | 17,853                                | 15,427          |
| Galvanizing and other<br>coating, not done in<br>plants operated in<br>connection with roll-<br>ing mills. <sup>15</sup>             | 1933                | 54                                         | 761                                                  | 661    | 1,184                                                                 | 2,691                | 1,627                                 | -----           |
|                                                                                                                                      | 1931                | 60                                         | 1,011                                                | 1,170  | 1,069                                                                 | 4,060                | 2,391                                 | -----           |
|                                                                                                                                      | 1929                | 65                                         | 1,125                                                | 1,564  | 3,939                                                                 | 7,667                | 3,727                                 | 2,296           |
| Hardware, not else-<br>where classified.                                                                                             | 1933                | 381                                        | 32,550                                               | 28,937 | 30,040                                                                | 85,077               | 55,037                                | -----           |
|                                                                                                                                      | 1931                | 451                                        | 36,118                                               | 37,269 | 38,313                                                                | 115,900              | 77,582                                | -----           |
|                                                                                                                                      | 1929                | 485                                        | 52,306                                               | 67,702 | 70,480                                                                | 229,478              | 152,997                               | 112,705         |
|                                                                                                                                      | 1927                | 485                                        | 47,834                                               | 60,827 | 71,877                                                                | 208,264              | 136,877                               | 99,674          |
|                                                                                                                                      | 1925                | 470                                        | 52,349                                               | 65,562 | 77,503                                                                | 225,063              | 147,550                               | 98,278          |
| Plumbers' supplies, not<br>including pipe or vit-<br>reous-china sanitary<br>ware.                                                   | 1933                | 232                                        | 15,893                                               | 12,922 | 17,561                                                                | 40,886               | 29,325                                | -----           |
|                                                                                                                                      | 1931                | 238                                        | 19,688                                               | 20,440 | 26,003                                                                | 70,036               | 44,933                                | -----           |
|                                                                                                                                      | 1929                | 255                                        | 27,960                                               | 37,067 | 49,033                                                                | 129,674              | 80,641                                | 100,821         |
| Safes and vaults-----                                                                                                                | 1933                | 21                                         | 933                                                  | 643    | 938                                                                   | 2,918                | 1,980                                 | -----           |
|                                                                                                                                      | 1931                | 25                                         | 2,044                                                | 2,176  | 4,073                                                                 | 11,607               | 7,534                                 | -----           |
|                                                                                                                                      | 1929                | 27                                         | 3,033                                                | 4,439  | 6,392                                                                 | 19,362               | 12,970                                | 10,806          |
| Screw-machine prod-<br>ucts and woodscrews.                                                                                          | 1933                | 255                                        | 10,236                                               | 8,050  | 13,485                                                                | 38,449               | 19,964                                | -----           |
|                                                                                                                                      | 1931                | 276                                        | 12,047                                               | 13,478 | 16,142                                                                | 43,698               | 27,556                                | -----           |
|                                                                                                                                      | 1929                | 273                                        | 19,881                                               | 28,987 | 30,463                                                                | 105,975              | 66,512                                | 64,840          |
| Steam and hot-water<br>heating apparatus and<br>steam fittings.                                                                      | 1933                | 227                                        | 22,301                                               | 19,541 | 20,061                                                                | 69,234               | 49,173                                | -----           |
|                                                                                                                                      | 1931                | 238                                        | 28,996                                               | 26,558 | 20,704                                                                | 102,501              | 72,797                                | -----           |
|                                                                                                                                      | 1929                | 240                                        | 39,621                                               | 58,975 | 72,708                                                                | 228,310              | 155,602                               | 137,339         |
|                                                                                                                                      | 1927                | 232                                        | 42,893                                               | 64,851 | 76,835                                                                | 225,158              | 148,323                               | 132,728         |
|                                                                                                                                      | 1925                | 225                                        | 43,260                                               | 63,979 | 77,367                                                                | 228,930              | 151,578                               | 109,313         |
| Stoves and ranges<br>(other than electric),<br>and warm-air fur-<br>naces.                                                           | 1933                | 543                                        | 30,193                                               | 26,969 | 46,284                                                                | 117,737              | 71,453                                | -----           |
|                                                                                                                                      | 1931                | 589                                        | 32,580                                               | 35,275 | 61,838                                                                | 169,105              | 107,273                               | -----           |
|                                                                                                                                      | 1929                | 609                                        | 46,616                                               | 65,147 | 100,747                                                               | 271,747              | 171,000                               | 113,100         |
|                                                                                                                                      | 1927                | 564                                        | 45,180                                               | 64,327 | 93,096                                                                | 258,286              | 165,190                               | 100,009         |
|                                                                                                                                      | 1925                | 564                                        | 45,514                                               | 66,299 | 95,873                                                                | 264,303              | 168,430                               | 94,126          |
| Tin cans and other tin-<br>ware, not elsewhere<br>classified. <sup>19</sup>                                                          | 1933                | 194                                        | 23,343                                               | 22,693 | 137,046                                                               | 207,946              | 70,900                                | -----           |
|                                                                                                                                      | 1931                | 199                                        | 25,271                                               | 27,978 | 149,121                                                               | 223,634              | 74,513                                | -----           |
|                                                                                                                                      | 1929                | 232                                        | 31,497                                               | 38,173 | 194,987                                                               | 296,901              | 101,915                               | 77,332          |
|                                                                                                                                      | 1927                | 236                                        | 29,721                                               | 35,001 | 169,421                                                               | 253,479              | 84,057                                | 64,005          |
|                                                                                                                                      | 1925                | 221                                        | 29,901                                               | 34,392 | 175,770                                                               | 280,360              | 84,581                                | 48,728          |

<sup>14</sup> Because of changes in classification, the statistics for 1931 and prior years are not strictly comparable with those for 1933. The figures in italics for 1931 have been adjusted for comparison with those for 1933.

<sup>15</sup> Similar products are manufactured to a considerable extent by departments of "Steel works and rolling-mill products" industry. The figures here given refer only to establishments engaged primarily in the manufacture of the specified classes of products.

<sup>19</sup> "Tin plate and terneplate" is treated as part of the "Steelworks and rolling-mill products" industry.

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                                                                              | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>for the<br>year) | Wages   | Cost of<br>materials,<br>fuel, and<br>purchased<br>electric<br>energy | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Horse-<br>power |
|-----------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------|-------------------------------------------------|---------|-----------------------------------------------------------------------|----------------------|---------------------------------------|-----------------|
| In thousands of dollars                                                                                               |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
| <b>IRON AND STEEL,<br/>ETC.—Continued</b>                                                                             |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
| Tools and outlery:                                                                                                    |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
| Cutlery (not includ-<br>ing silver and<br>plated cutlery) and<br>edge tools.                                          | 1933                | 200                                        | 10,807                                          | 8,848   | 8,647                                                                 | 38,718               | 30,071                                | -----           |
|                                                                                                                       | 1931                | 221                                        | 12,486                                          | 12,194  | 8,983                                                                 | 52,337               | 43,354                                | -----           |
|                                                                                                                       | 1920                | 230                                        | 14,901                                          | 17,661  | 14,789                                                                | 78,661               | 63,872                                | 49,886          |
| Files.....                                                                                                            | 1933                | 23                                         | 2,684                                           | 2,481   | 1,567                                                                 | 7,391                | 5,824                                 | -----           |
|                                                                                                                       | 1931                | 26                                         | 3,016                                           | 2,719   | 1,221                                                                 | 7,316                | 6,095                                 | -----           |
|                                                                                                                       | 1920                | 38                                         | 3,974                                           | 5,240   | 3,053                                                                 | 14,114               | 11,062                                | 12,091          |
| Saws.....                                                                                                             | 1933                | 71                                         | 2,528                                           | 2,347   | 8,003                                                                 | 9,926                | 6,923                                 | -----           |
|                                                                                                                       | 1931                | 78                                         | 3,006                                           | 3,084   | 4,035                                                                 | 11,572               | 7,537                                 | -----           |
|                                                                                                                       | 1920                | 81                                         | 4,137                                           | 5,727   | 6,884                                                                 | 22,615               | 16,731                                | 11,894          |
| Tools, not including<br>edge tools, machine<br>tools, files, or saws.                                                 | 1933                | 294                                        | 9,698                                           | 8,188   | 10,521                                                                | 34,199               | 23,678                                | -----           |
|                                                                                                                       | 1931                | 355                                        | 10,833                                          | 11,209  | 13,725                                                                | 42,417               | 28,692                                | -----           |
|                                                                                                                       | 1920                | 534                                        | 19,305                                          | 25,808  | 32,111                                                                | 99,462               | 67,352                                | 66,985          |
| Wire drawn from pur-<br>chased rods (covers<br>fabricated wire pro-<br>ducts made in the<br>same establish-<br>ments. | 1933                | 78                                         | 14,656                                          | 14,321  | 39,615                                                                | 75,478               | 35,861                                | -----           |
|                                                                                                                       | 1931                | 82                                         | 14,476                                          | 17,179  | 45,187                                                                | 83,370               | 38,183                                | -----           |
|                                                                                                                       | 1920                | 81                                         | 22,467                                          | 35,110  | 126,182                                                               | 213,997              | 87,815                                | 150,620         |
|                                                                                                                       | 1927                | 78                                         | 19,866                                          | 30,088  | 128,092                                                               | 190,710              | 62,617                                | 152,674         |
|                                                                                                                       | 1925                | 68                                         | 18,544                                          | 26,928  | 127,251                                                               | 184,453              | 57,212                                | 138,115         |
| Wirework, not else-<br>where classified.                                                                              | 1933                | 429                                        | 17,633                                          | 14,155  | 35,220                                                                | 74,520               | 39,800                                | -----           |
|                                                                                                                       | 1931                | 494                                        | 17,226                                          | 17,382  | 40,308                                                                | 68,694               | 46,386                                | -----           |
|                                                                                                                       | 1920                | 647                                        | 22,888                                          | 27,012  | 68,144                                                                | 146,805              | 78,661                                | 48,864          |
| <b>NONFERROUS<br/>METALS AND THEIR<br/>PRODUCTS</b>                                                                   |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
| Smelting and re-<br>fining, total.                                                                                    | 1933                | 214                                        | 18,236                                          | 17,023  | 302,328                                                               | 359,012              | 56,684                                | -----           |
|                                                                                                                       | 1931                | 237                                        | 21,506                                          | 27,064  | 401,151                                                               | 484,682              | 83,530                                | -----           |
|                                                                                                                       | 1920                | 250                                        | 36,046                                          | 50,447  | 1,344,040                                                             | 1,519,642            | 175,601                               | 618,485         |
|                                                                                                                       | 1927                | 228                                        | 34,087                                          | 50,515  | 935,014                                                               | 1,089,153            | 151,138                               | 481,441         |
|                                                                                                                       | 1925                | 238                                        | 37,194                                          | 54,798  | 1,070,193                                                             | 1,244,506            | 174,333                               | 479,412         |
| Primary, total.....                                                                                                   | 1933                | 59                                         | 14,567                                          | 18,640  | 231,886                                                               | 273,286              | 41,401                                | -----           |
|                                                                                                                       | 1931                | 70                                         | 18,477                                          | 22,718  | 335,713                                                               | 408,589              | 72,876                                | -----           |
|                                                                                                                       | 1920                | 75                                         | 30,881                                          | 49,239  | 1,199,026                                                             | 1,345,800            | 146,775                               | 596,081         |
|                                                                                                                       | 1927                | 69                                         | 30,610                                          | 44,800  | 807,242                                                               | 942,735              | 135,498                               | 465,194         |
|                                                                                                                       | 1925                | 71                                         | 32,992                                          | 47,948  | 912,064                                                               | 1,067,125            | 155,061                               | 455,496         |
| Copper.....                                                                                                           | 1933                | 19                                         | 5,596                                           | 5,887   | 142,872                                                               | 158,610              | 15,938                                | -----           |
|                                                                                                                       | 1931                | 27                                         | 8,042                                           | 10,708  | 225,520                                                               | 269,384              | 42,864                                | -----           |
|                                                                                                                       | 1920                | 26                                         | 14,544                                          | 23,952  | 920,351                                                               | 994,784              | 74,432                                | 412,244         |
|                                                                                                                       | 1927                | 20                                         | 13,924                                          | 20,532  | 627,764                                                               | 665,209              | 81,535                                | 323,799         |
|                                                                                                                       | 1925                | 20                                         | 15,588                                          | 22,642  | 573,190                                                               | 665,177              | 91,986                                | 321,909         |
| Lead.....                                                                                                             | 1933                | 14                                         | 2,105                                           | 2,325   | 60,534                                                                | 70,454               | 9,920                                 | -----           |
|                                                                                                                       | 1931                | 16                                         | 2,584                                           | 3,509   | 78,745                                                                | 90,726               | 11,982                                | -----           |
|                                                                                                                       | 1920                | 10                                         | 4,819                                           | 7,577   | 203,914                                                               | 232,115              | 28,201                                | 59,936          |
|                                                                                                                       | 1927                | 18                                         | 5,398                                           | 7,690   | 202,859                                                               | 235,138              | 22,279                                | 48,298          |
|                                                                                                                       | 1925                | 17                                         | 6,115                                           | 9,002   | 254,881                                                               | 283,043              | 28,162                                | 47,219          |
| Zinc.....                                                                                                             | 1933                | 26                                         | 6,866                                           | 5,838   | 28,679                                                                | 44,222               | 15,543                                | -----           |
|                                                                                                                       | 1931                | 33                                         | 7,251                                           | 8,439   | 30,449                                                                | 48,478               | 18,030                                | -----           |
|                                                                                                                       | 1920                | 30                                         | 11,618                                          | 17,710  | 74,760                                                                | 118,901              | 44,141                                | 128,901         |
| Secondary, total.....                                                                                                 | 1933                | 155                                        | 3,609                                           | 3,474   | 70,443                                                                | 85,726               | 15,293                                | -----           |
|                                                                                                                       | 1931                | 161                                        | 3,429                                           | 4,348   | 65,438                                                                | 76,093               | 10,655                                | -----           |
|                                                                                                                       | 1920                | 175                                        | 5,005                                           | 7,208   | 145,015                                                               | 173,842              | 28,827                                | 22,404          |
| Gold, silver, and plat-<br>inum, refining and<br>alloying.                                                            | 1933                | 61                                         | 745                                             | 980     | 39,036                                                                | 44,804               | 5,567                                 | -----           |
|                                                                                                                       | 1931                | 63                                         | 803                                             | 1,180   | 36,898                                                                | 41,398               | 4,505                                 | -----           |
|                                                                                                                       | 1920                | 60                                         | 931                                             | 1,634   | 61,670                                                                | 67,959               | 6,389                                 | 4,230           |
| Nonferrous metals other<br>than gold, silver, and<br>platinum, not from<br>the ore.                                   | 1933                | 94                                         | 2,924                                           | 2,494   | 31,407                                                                | 41,123               | 9,716                                 | -----           |
|                                                                                                                       | 1931                | 98                                         | 2,926                                           | 3,162   | 28,546                                                                | 34,095               | 6,160                                 | -----           |
|                                                                                                                       | 1920                | 106                                        | 4,134                                           | 5,574   | 83,445                                                                | 105,883              | 22,438                                | 18,174          |
| Alloys and man-<br>ufactures of<br>metals and<br>alloys, total.                                                       | 1933                | 4,705                                      | 170,036                                         | 149,699 | 338,799                                                               | 709,741              | 370,943                               | -----           |
|                                                                                                                       | 1931                | 6,073                                      | 188,949                                         | 213,113 | 461,083                                                               | 954,580              | 503,544                               | -----           |
|                                                                                                                       | 1920                | 7,272                                      | 278,895                                         | 387,019 | 1,121,404                                                             | 2,077,416            | 986,012                               | 951,732         |
|                                                                                                                       | 1927                | 6,533                                      | 238,580                                         | 332,670 | 848,199                                                               | 1,590,955            | 742,753                               | 744,970         |
|                                                                                                                       | 1925                | 6,768                                      | 239,422                                         | 327,859 | 878,245                                                               | 1,595,045            | 716,800                               | 678,128         |

\* Revised; revision not carried into total.



## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                                                       | Census year | Number of establishments | Wage earners (average for the year) | Wages   | Cost of materials, fuel, and purchased electric energy | Value of products | Value added by manufacture | Horse-power |
|------------------------------------------------------------------------------------------------|-------------|--------------------------|-------------------------------------|---------|--------------------------------------------------------|-------------------|----------------------------|-------------|
|                                                                                                |             |                          |                                     |         |                                                        |                   |                            |             |
| In thousands of dollars                                                                        |             |                          |                                     |         |                                                        |                   |                            |             |
| NONFERROUS METALS, ETC.—Contd.                                                                 |             |                          |                                     |         |                                                        |                   |                            |             |
| Aluminum products...                                                                           | 1933        | 109                      | 13,634                              | 11,900  | 34,027                                                 | 61,464            | 27,437                     | -----       |
|                                                                                                | 1931        | 138                      | 13,803                              | 10,106  | 41,605                                                 | 76,300            | 34,695                     | -----       |
|                                                                                                | 1929        | 150                      | 21,210                              | 29,693  | 94,036                                                 | 153,467           | 50,421                     | 107,840     |
| Clocks, watches, time-recording devices, and materials and parts. <sup>20</sup>                | 1933        | 53                       | 12,850                              | 10,003  | 9,468                                                  | 31,656            | 22,188                     | -----       |
|                                                                                                | 1931        | 75                       | 16,213                              | 15,086  | 12,880                                                 | 45,503            | 32,683                     | -----       |
|                                                                                                | 1929        | 81                       | 21,460                              | 25,750  | 21,388                                                 | 77,467            | 56,070                     | 22,794      |
| Collapsible tubes.....                                                                         | 1933        | 17                       | 1,750                               | 1,482   | 3,834                                                  | 8,924             | 3,090                      | -----       |
|                                                                                                | 1931        | 17                       | 1,737                               | 1,634   | 4,142                                                  | 7,634             | 3,492                      | -----       |
|                                                                                                | 1929        | 17                       | 1,821                               | 1,782   | 5,386                                                  | 8,913             | 3,527                      | 2,272       |
| Watch cases.....                                                                               | 1933        | 20                       | 1,169                               | 1,000   | 760                                                    | 2,657             | 1,897                      | -----       |
|                                                                                                | 1931        | 31                       | 1,669                               | 1,767   | 1,361                                                  | 4,219             | 2,858                      | -----       |
|                                                                                                | 1929        | 40                       | 3,404                               | 4,626   | 4,631                                                  | 13,491            | 8,860                      | 5,581       |
| Sheet-metal work, not specifically classified.                                                 | 1933        | 1,229                    | 13,050                              | 12,658  | 85,403                                                 | 68,807            | 33,344                     | -----       |
|                                                                                                | 1931        | 1,762                    | 19,365                              | 25,158  | 56,342                                                 | 116,443           | 60,101                     | -----       |
|                                                                                                | 1929        | 2,161                    | 28,583                              | 43,255  | 112,648                                                | 222,485           | 109,837                    | 53,749      |
|                                                                                                | 1927        | 1,981                    | 24,627                              | 38,608  | 98,386                                                 | 181,129           | 92,743                     | 35,880      |
|                                                                                                | 1925        | 2,107                    | 24,966                              | 37,826  | 84,080                                                 | 175,043           | 90,963                     | 35,273      |
| Fire extinguishers, chemical.                                                                  | 1933        | 22                       | 539                                 | 604     | 1,720                                                  | 3,775             | 2,055                      | -----       |
|                                                                                                | 1931        | 25                       | 571                                 | 617     | 1,706                                                  | 4,453             | 2,650                      | -----       |
|                                                                                                | 1929        | 28                       | 740                                 | 959     | 4,188                                                  | 8,560             | 4,379                      | 1,464       |
| Stamped ware, enameled ware, and metal stampings; enameling, japanning, and lacquering.        | 1933        | 552                      | 32,302                              | 26,634  | 54,682                                                 | 117,372           | 62,690                     | -----       |
|                                                                                                | 1931        | 606                      | 28,378                              | 30,662  | 53,613                                                 | 122,096           | 60,078                     | -----       |
|                                                                                                | 1929        | 682                      | 40,000                              | 50,682  | 67,639                                                 | 204,306           | 116,667                    | 98,184      |
|                                                                                                | 1927        | 476                      | 30,853                              | 38,172  | 69,880                                                 | 150,936           | 82,066                     | 73,619      |
|                                                                                                | 1925        | 465                      | 31,254                              | 38,277  | 70,737                                                 | 160,092           | 81,255                     | 68,121      |
| Lighting equipment....                                                                         | 1933        | 357                      | 10,538                              | 9,506   | 19,241                                                 | 46,173            | 20,933                     | -----       |
|                                                                                                | 1931        | 523                      | 14,700                              | 18,150  | 30,812                                                 | 75,050            | 44,738                     | -----       |
|                                                                                                | 1929        | 614                      | 23,580                              | 33,269  | 57,918                                                 | 144,966           | 87,047                     | 40,209      |
| Needles, pins, hooks and eyes, and snap fasteners.                                             | 1933        | 45                       | 6,412                               | 5,708   | 5,818                                                  | 22,758            | 16,940                     | -----       |
|                                                                                                | 1931        | 46                       | 5,354                               | 5,667   | 4,842                                                  | 20,342            | 15,500                     | -----       |
|                                                                                                | 1929        | 43                       | 6,242                               | 6,566   | 6,188                                                  | 22,931            | 15,843                     | 6,694       |
| Nonferrous-metal alloys; nonferrous-metal products, except aluminum, not elsewhere classified. | 1933        | 875                      | 47,784                              | 43,729  | 128,356                                                | 239,156           | 110,800                    | -----       |
|                                                                                                | 1931        | 1,056                    | 48,913                              | 55,109  | 195,338                                                | 331,439           | 136,101                    | -----       |
|                                                                                                | 1929        | 1,225                    | 79,183                              | 116,944 | 600,411                                                | 909,804           | 300,393                    | 506,273     |
|                                                                                                | 1927        | 1,197                    | 65,923                              | 95,351  | 378,190                                                | 581,569           | 203,370                    | 411,925     |
|                                                                                                | 1925        | 1,140                    | 65,135                              | 93,820  | 401,316                                                | 593,556           | 192,240                    | 369,239     |
| Gold leaf and foil.....                                                                        | 1933        | 31                       | 608                                 | 348     | 684                                                    | 1,402             | 718                        | -----       |
|                                                                                                | 1931        | 48                       | 866                                 | 631     | 1,016                                                  | 2,217             | 1,202                      | -----       |
|                                                                                                | 1929        | 75                       | 1,177                               | 1,134   | 1,933                                                  | 3,978             | 2,045                      | 388         |
| Tin and other foils, not including gold foil.                                                  | 1933        | 7                        | 1,337                               | 1,189   | 7,680                                                  | 11,331            | 3,651                      | -----       |
|                                                                                                | 1931        | 8                        | 1,218                               | 998     | 7,383                                                  | 12,226            | 4,843                      | -----       |
|                                                                                                | 1929        | 7                        | 1,710                               | 1,856   | 13,548                                                 | 20,955            | 7,406                      | 18,642      |
| Jewelry <sup>21</sup> .....                                                                    | 1933        | 779                      | 13,060                              | 11,323  | 16,783                                                 | 42,652            | 25,869                     | -----       |
|                                                                                                | 1931        | 1,052                    | 10,724                              | 20,231  | 28,684                                                 | 75,123            | 46,438                     | -----       |
|                                                                                                | 1929        | 1,459                    | 25,287                              | 56,465  | 66,506                                                 | 166,544           | 89,087                     | -----       |
|                                                                                                | 1925        | 1,536                    | 27,922                              | 37,980  | 79,805                                                 | 177,387           | 97,582                     | 27,402      |
| Jewelers' findings and materials. <sup>21</sup>                                                | 1933        | 60                       | 1,811                               | 1,604   | 5,503                                                  | 9,250             | 3,747                      | -----       |
|                                                                                                | 1931        | 99                       | 1,899                               | 2,843   | 7,121                                                  | 11,976            | 4,855                      | -----       |
| Silverware and plated ware.                                                                    | 1933        | 126                      | 9,177                               | 8,229   | 12,425                                                 | 34,333            | 21,607                     | -----       |
|                                                                                                | 1931        | 163                      | 11,077                              | 12,713  | 11,792                                                 | 45,815            | 34,022                     | -----       |
|                                                                                                | 1929        | 179                      | 15,735                              | 22,678  | 26,886                                                 | 85,882            | 58,997                     | 36,224      |
| Electroplating.....                                                                            | 1933        | 423                      | 3,955                               | 3,715   | 2,352                                                  | 10,032            | 7,680                      | -----       |
|                                                                                                | 1931        | 464                      | 4,107                               | 5,642   | 2,802                                                  | 13,084            | 10,282                     | -----       |
|                                                                                                | 1929        | 534                      | 5,928                               | 9,537   | 4,799                                                  | 23,728            | 18,929                     | 24,015      |
| MACHINERY, EXCEPT TRANSPORTATION EQUIPMENT                                                     |             |                          |                                     |         |                                                        |                   |                            |             |
| Agricultural implements.                                                                       | 1933        | 170                      | 11,140                              | 9,830   | 11,978                                                 | 30,539            | 18,561                     | -----       |
|                                                                                                | 1931        | 219                      | 17,529                              | 19,106  | 32,244                                                 | 84,288            | 52,044                     | -----       |
|                                                                                                | 1929        | 293                      | 41,663                              | 58,042  | 113,969                                                | 277,864           | 163,885                    | 128,499     |
|                                                                                                | 1927        | 277                      | 33,346                              | 46,415  | 85,686                                                 | 202,732           | 117,086                    | 117,966     |
|                                                                                                | 1925        | 303                      | 28,696                              | 37,388  | 73,850                                                 | 169,468           | 95,618                     | 115,325     |

<sup>1</sup> Because of a change in classification, no comparable figures can be shown for earlier years.<sup>2</sup> Revised; revision not carried into total.<sup>20</sup> Not including watch cases.<sup>21</sup> Establishments classified in the "Jewelers' findings and materials" industry for 1931 were, for the most part, classified in the "Jewelry" industry in prior years; figures for the latter industry for 1931 are, therefore, not strictly comparable with those for prior years. Figures shown in italics have been adjusted for comparison with those for 1931.

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                                   | Census year | Number of establishments | Wage earners (average for the year) | Wages   | Cost of materials, fuel, and purchased electric energy | Value of products | Value added by manufacture | Horse-power |
|----------------------------------------------------------------------------|-------------|--------------------------|-------------------------------------|---------|--------------------------------------------------------|-------------------|----------------------------|-------------|
|                                                                            |             |                          |                                     |         |                                                        |                   |                            |             |
| In thousands of dollars                                                    |             |                          |                                     |         |                                                        |                   |                            |             |
| <b>MACHINERY, ETC.—Continued.</b>                                          |             |                          |                                     |         |                                                        |                   |                            |             |
| Cash registers, and adding, calculating, and card tabulating machines.     | 1933        | 40                       | 10,908                              | 13,026  | 5,869                                                  | 42,023            | 36,154                     | -----       |
|                                                                            | 1931        | 41                       | 12,176                              | 14,982  | 5,269                                                  | 56,474            | 51,205                     | -----       |
|                                                                            | 1929        | 46                       | 10,840                              | 29,746  | 10,766                                                 | 110,001           | 99,236                     | 28,257      |
| Electrical machinery, apparatus, and supplies. <sup>21</sup>               | 1933        | 1,209                    | 130,857                             | 116,750 | 212,514                                                | 553,431           | 340,918                    | -----       |
|                                                                            | 1931        | 1,379                    | 180,106                             | 204,488 | 337,125                                                | 995,010           | 657,886                    | -----       |
|                                                                            | 1931        | 1,567                    | 214,784                             | 237,753 | 423,511                                                | 1,179,408         | 755,897                    | -----       |
|                                                                            | 1929        | 1,802                    | 328,722                             | 456,378 | 971,018                                                | 2,300,916         | 1,329,898                  | 893,519     |
|                                                                            | 1927        | 1,777                    | 241,686                             | 336,239 | 645,762                                                | 1,637,307         | 991,545                    | 661,168     |
|                                                                            | 1925        | 1,739                    | 239,921                             | 323,836 | 638,692                                                | 1,640,002         | 903,810                    | 586,398     |
| Elevators and elevator equipment. <sup>22</sup>                            | 1933        | 90                       | 8,078                               | 3,044   | 5,069                                                  | 11,380            | 5,711                      | -----       |
|                                                                            | 1931        | 94                       | 4,616                               | 4,180   | 13,119                                                 | 26,317            | 13,168                     | -----       |
| Engines, turbines, tractors, water wheels, and windmills.                  | 1933        | 177                      | 23,535                              | 23,584  | 40,464                                                 | 91,031            | 50,567                     | -----       |
|                                                                            | 1931        | 204                      | 34,130                              | 39,232  | 52,515                                                 | 193,963           | 111,448                    | -----       |
|                                                                            | 1929        | 214                      | 62,702                              | 100,850 | 206,472                                                | 465,858           | 259,386                    | 291,570     |
|                                                                            | 1927        | 231                      | 65,696                              | 88,672  | 168,436                                                | 375,393           | 206,556                    | 246,396     |
|                                                                            | 1925        | 235                      | 52,490                              | 75,415  | 149,159                                                | 321,672           | 172,413                    | 227,572     |
| Foundry and machine-shop products, not elsewhere classified. <sup>24</sup> | 1933        | 6,081                    | 216,439                             | 201,940 | 287,608                                                | 788,195           | 600,587                    | -----       |
|                                                                            | 1931        | 7,091                    | 277,089                             | 320,601 | 438,621                                                | 1,225,851         | 798,237                    | -----       |
|                                                                            | 1931        | 7,221                    | 284,909                             | 328,469 | 452,551                                                | 1,266,619         | 814,068                    | -----       |
|                                                                            | 1929        | 8,005                    | 454,441                             | 697,500 | 1,038,066                                              | 2,791,492         | 1,783,396                  | 1,804,886   |
|                                                                            | 1927        | 8,095                    | 398,672                             | 590,924 | 878,771                                                | 2,268,653         | 1,589,882                  | 1,560,240   |
|                                                                            | 1927        | 8,380                    | 403,939                             | 601,023 | 883,652                                                | 2,291,543         | 1,407,891                  | 1,561,934   |
|                                                                            | 1925        | 8,203                    | 408,832                             | 600,022 | 894,406                                                | 2,264,376         | 1,369,970                  | 1,446,458   |
| Machine-tool accessories and machinists' precision tools and instruments.  | 1933        | 587                      | 12,757                              | 14,169  | 10,882                                                 | 44,884            | 33,501                     | -----       |
|                                                                            | 1931        | 718                      | 17,638                              | 26,569  | 16,323                                                 | 69,033            | 52,713                     | -----       |
|                                                                            | 1929        | 722                      | 20,682                              | 51,085  | 26,993                                                 | 144,411           | 117,418                    | 64,398      |
| Machine tools. <sup>25</sup>                                               | 1933        | 232                      | 12,714                              | 12,696  | 10,844                                                 | 41,434            | 30,589                     | -----       |
|                                                                            | 1931        | 279                      | 21,232                              | 25,130  | 21,901                                                 | 81,287            | 59,386                     | -----       |
|                                                                            | 1929        | 280                      | 47,391                              | 76,410  | 64,284                                                 | 244,578           | 180,294                    | 141,778     |
|                                                                            | 1927        | 288                      | 52,335                              | 47,403  | 43,151                                                 | 145,865           | 102,705                    | 125,429     |
|                                                                            | 1927        | 355                      | 35,269                              | 52,366  | 46,115                                                 | 159,513           | 113,398                    | 131,070     |
|                                                                            | 1925        | 329                      | 30,831                              | 46,711  | 43,826                                                 | 144,202           | 100,876                    | 118,819     |
| Meters (gas, water, etc. and gas generators.)                              | 1933        | 63                       | 3,156                               | 2,948   | 4,012                                                  | 12,848            | 8,836                      | -----       |
|                                                                            | 1931        | 70                       | 4,954                               | 5,756   | 7,217                                                  | 23,050            | 15,833                     | -----       |
|                                                                            | 1929        | 72                       | 6,101                               | 8,932   | 16,187                                                 | 40,628            | 25,436                     | 11,029      |
| Pumps (hand and power) and pumping equipment.                              | 1933        | 267                      | 11,110                              | 10,379  | 20,267                                                 | 49,002            | 28,745                     | -----       |
|                                                                            | 1931        | 303                      | 15,156                              | 17,107  | 33,736                                                 | 84,553            | 50,619                     | -----       |
|                                                                            | 1929        | 322                      | 23,106                              | 34,920  | 66,802                                                 | 164,009           | 97,207                     | 82,493      |
| Refrigerators, and refrigerating and ice-making apparatus. <sup>26</sup>   | 1933        | 204                      | 26,398                              | 24,335  | 69,601                                                 | 140,762           | 71,161                     | -----       |
|                                                                            | 1931        | 227                      | 26,116                              | 32,350  | 88,562                                                 | 199,427           | 110,865                    | -----       |
|                                                                            | 1929        | 222                      | 26,667                              | 39,378  | 98,864                                                 | 222,049           | 123,185                    | 73,446      |
|                                                                            | 1927        | 187                      | 20,836                              | 30,329  | 67,746                                                 | 154,677           | 86,931                     | 56,767      |
| Radio apparatus and phonographs. <sup>27</sup>                             | 1933        | 156                      | 32,879                              | 29,654  | 58,521                                                 | 131,802           | 63,281                     | -----       |
|                                                                            | 1931        | 217                      | 30,400                              | 35,146  | 88,403                                                 | 193,143           | 104,740                    | -----       |

<sup>2</sup> Revised; revision not carried into total.<sup>22</sup> Prior to 1931 this industry covered radio apparatus and tubes included for 1931 in a new classification, "Radio apparatus and phonographs." Figures for 1931 are, therefore, not comparable with those for prior years; figures shown in italics were adjusted for comparison with those for prior years.<sup>23</sup> A new classification at the census for 1933, formerly a part of "Foundry and machine-shop products, n. e. c." The figures for 1931 were compiled for comparison with 1933.<sup>24</sup> At the census for 1933 certain establishments formerly classified in this industry, were classified in the "Elevators and elevator equipment" and "Refrigerators and refrigerating and ice-making apparatus" industries, and the figures in italics for 1931 have been adjusted for comparison with 1933. At the census for 1929 certain establishments which had been formerly classified in this industry were classified as "Machine-tool accessories and machinists' precision tools and instruments." The figures in italics for 1927 were adjusted for comparison with 1929. This industry includes for 1931 and 1933 "Iron and steel processed", formerly treated as separate industry in the "Iron and steel" group. Figures for prior years have not been revised to include such data.<sup>25</sup> For 1929 and 1931 certain establishments, formerly classified in this industry, were included in a new industry classification "Machine-tool accessories and machinists' precision tools and instruments." Figures for 1929 and 1931 are, therefore, not strictly comparable with those for prior years. Figures in italics have been adjusted for comparison with those for later years.<sup>26</sup> This classification covers "Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment" and "Refrigerators, mechanical", formerly separate classifications in groups 3 and 13, respectively, and also includes, beginning 1931, statistics for a small number of establishments producing industrial ice-making and refrigerating machinery, formerly included in "Foundry and machine-shop products." As figures for 1927 and 1929 do not include the establishments producing industrial ice-making and refrigerating machinery, they are not comparable with those for later years.<sup>27</sup> No comparable data for prior years. Radio apparatus was formerly included in "Electrical machinery, apparatus, and supplies" and "Phonographs", was a separate industry in the "Miscellaneous industries" group.

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                                     | Census year | Number of establishments | Wage earners (average for the year) | Wages   | Cost of materials, fuel, and purchased electric energy | Value of products | Value added by manufacture | Horse-power |
|------------------------------------------------------------------------------|-------------|--------------------------|-------------------------------------|---------|--------------------------------------------------------|-------------------|----------------------------|-------------|
|                                                                              |             |                          |                                     |         |                                                        |                   |                            |             |
| In thousands of dollars                                                      |             |                          |                                     |         |                                                        |                   |                            |             |
| MACHINERY, ETC.—Continued                                                    |             |                          |                                     |         |                                                        |                   |                            |             |
| Scales and balances.....                                                     | 1933        | 45                       | 2,187                               | 1,825   | 2,162                                                  | 8,333             | 6,171                      | -----       |
|                                                                              | 1931        | 54                       | 2,814                               | 3,233   | 3,644                                                  | 14,561            | 10,917                     | -----       |
|                                                                              | 1929        | 59                       | 4,118                               | 5,995   | 7,438                                                  | 30,381            | 22,943                     | 9,738       |
| Sewing machines and attachments.                                             | 1933        | 30                       | 6,313                               | 6,034   | 2,862                                                  | 12,026            | 10,064                     | -----       |
|                                                                              | 1931        | 34                       | 8,090                               | 8,792   | 6,091                                                  | 20,148            | 14,057                     | -----       |
|                                                                              | 1929        | 39                       | 10,467                              | 14,976  | 16,458                                                 | 45,095            | 28,636                     | 29,659      |
| Textile machinery and parts.                                                 | 1933        | 314                      | 18,576                              | 18,737  | 18,378                                                 | 60,323            | 41,945                     | -----       |
|                                                                              | 1931        | 330                      | 18,808                              | 21,238  | 18,175                                                 | 65,798            | 47,023                     | -----       |
|                                                                              | 1929        | 376                      | 27,019                              | 37,836  | 30,550                                                 | 122,439           | 85,882                     | 66,539      |
| Typewriters and parts <sup>6</sup> .                                         | 1933        | 14                       | 9,591                               | 7,565   | 3,256                                                  | 16,465            | 13,208                     | -----       |
|                                                                              | 1931        | 20                       | 10,924                              | 10,328  | 3,785                                                  | 22,067            | 18,271                     | -----       |
|                                                                              | 1929        | 26                       | 16,945                              | 22,319  | 7,249                                                  | 61,858            | 54,009                     | 23,383      |
| Washing machines, wringers, driers, and ironing machines, for household use. | 1933        | 41                       | 6,956                               | 6,363   | 24,361                                                 | 44,542            | 20,181                     | -----       |
|                                                                              | 1931        | 59                       | 6,201                               | 7,212   | 24,521                                                 | 50,929            | 26,408                     | -----       |
|                                                                              | 1929        | 65                       | 8,189                               | 12,072  | 40,707                                                 | 82,330            | 41,623                     | 26,732      |
| TRANSPORTATION EQUIPMENT                                                     |             |                          |                                     |         |                                                        |                   |                            |             |
| Motor vehicles, not including motorcycles. <sup>28</sup>                     | 1933        | 122                      | 97,869                              | 103,785 | 767,768                                                | 1,096,946         | 329,178                    | -----       |
|                                                                              | 1931        | 178                      | 134,806                             | 156,756 | 1,044,406                                              | 1,507,526         | 523,120                    | -----       |
|                                                                              | 1929        | 210                      | 224,688                             | 364,457 | 2,394,661                                              | 3,709,516         | 1,314,954                  | 707,842     |
|                                                                              | 1929        | 244                      | 226,116                             | 366,679 | 2,401,612                                              | 3,722,793         | 1,321,282                  | 713,912     |
|                                                                              | 1927        | 264                      | 187,910                             | 321,664 | 1,889,426                                              | 2,848,443         | 959,017                    | 725,674     |
|                                                                              | 1925        | 297                      | 197,728                             | 341,210 | 2,108,192                                              | 3,198,123         | 1,089,931                  | 509,768     |
| Motor-vehicle bodies and motor-vehicle parts. <sup>28</sup>                  | 1933        | 701                      | 145,746                             | 148,322 | 439,633                                                | 761,225           | 321,592                    | -----       |
|                                                                              | 1931        | 940                      | 150,649                             | 193,770 | 516,945                                                | 945,407           | 428,461                    | -----       |
|                                                                              | 1929        | 1,188                    | 222,780                             | 368,625 | 868,837                                                | 1,551,208         | 687,871                    | 850,776     |
|                                                                              | 1929        | 1,154                    | 221,332                             | 366,503 | 856,980                                                | 1,537,930         | 680,944                    | 824,705     |
|                                                                              | 1927        | 1,213                    | 181,489                             | 291,291 | 641,307                                                | 1,151,426         | 510,120                    | 551,639     |
|                                                                              | 1925        | 1,358                    | 226,382                             | 372,721 | 862,721                                                | 1,523,280         | 660,558                    | 662,255     |
| Motorcycles, bicycles, and parts.                                            | 1933        | 19                       | 3,038                               | 2,639   | 6,162                                                  | 12,055            | 5,394                      | -----       |
|                                                                              | 1931        | 19                       | 3,294                               | 3,563   | 5,520                                                  | 13,697            | 8,177                      | -----       |
|                                                                              | 1929        | 21                       | 4,392                               | 6,264   | 11,281                                                 | 23,895            | 12,013                     | 11,124      |
| Carriages, wagons, sleighs, and sleds. <sup>14</sup>                         | 1933        | 53                       | 1,409                               | 922     | 2,350                                                  | 4,753             | 2,402                      | -----       |
|                                                                              | 1931        | 70                       | 1,381                               | 1,199   | 2,494                                                  | 5,161             | 2,066                      | -----       |
|                                                                              | 1931        | 75                       | 1,431                               | 1,389   | 2,615                                                  | 6,179             | 3,261                      | -----       |
|                                                                              | 1929        | 88                       | 2,873                               | 3,418   | 8,458                                                  | 16,450            | 7,992                      | 14,899      |
| Carriages, and sleds, children's.                                            | 1933        | 46                       | 3,971                               | 2,877   | 5,671                                                  | 10,985            | 5,314                      | -----       |
|                                                                              | 1931        | 59                       | 4,159                               | 4,479   | 7,091                                                  | 16,769            | 9,679                      | -----       |
|                                                                              | 1929        | 79                       | 7,102                               | 8,313   | 13,515                                                 | 28,818            | 15,303                     | 10,895      |
| Aircraft and parts.....                                                      | 1933        | 64                       | 7,816                               | 10,308  | 7,957                                                  | 26,460            | 18,503                     | -----       |
|                                                                              | 1931        | 101                      | 9,870                               | 15,481  | 13,101                                                 | 40,278            | 27,177                     | -----       |
|                                                                              | 1929        | 132                      | 14,710                              | 21,624  | 27,368                                                 | 71,153            | 43,785                     | 16,505      |
| Locomotives, other than electric, not made in railroad repair shops.         | 1933        | 13                       | 2,374                               | 1,863   | 4,206                                                  | 6,027             | 2,661                      | -----       |
|                                                                              | 1931        | 16                       | 5,443                               | 5,590   | 14,871                                                 | 22,119            | 7,248                      | -----       |
|                                                                              | 1929        | 16                       | 11,046                              | 17,094  | 52,808                                                 | 83,858            | 31,060                     | 98,482      |
| Cars, electric and steam railroad, not built in railroad repair shops.       | 1933        | 138                      | 14,266                              | 14,710  | 27,311                                                 | 46,148            | 18,837                     | -----       |
|                                                                              | 1931        | 152                      | 18,785                              | 25,553  | 59,754                                                 | 99,657            | 39,903                     | -----       |
|                                                                              | 1929        | 147                      | 40,015                              | 63,387  | 223,889                                                | 328,220           | 104,331                    | 238,455     |
|                                                                              | 1927        | 135                      | 38,031                              | 60,625  | 209,113                                                | 312,509           | 103,396                    | 236,415     |
|                                                                              | 1925        | 141                      | 50,393                              | 77,247  | 260,054                                                | 360,771           | 124,718                    | 243,984     |
| Ship and boat building, steel and wooden, including repair work.             | 1933        | 395                      | 30,835                              | 33,890  | 31,172                                                 | 92,696            | 61,524                     | -----       |
|                                                                              | 1931        | 518                      | 45,262                              | 62,028  | 72,322                                                 | 186,993           | 114,671                    | -----       |
|                                                                              | 1929        | 624                      | 55,089                              | 88,274  | 85,849                                                 | 231,300           | 145,451                    | 337,455     |
|                                                                              | 1927        | 559                      | 55,014                              | 87,081  | 78,628                                                 | 211,127           | 132,501                    | 314,474     |
|                                                                              | 1925        | 565                      | 50,224                              | 74,275  | 66,299                                                 | 177,182           | 110,883                    | 303,470     |

<sup>6</sup> Owing to a change in classification, data for 1929 are not strictly comparable with data for later years.

<sup>14</sup> Because of changes in classification, the statistics for 1931 and prior years are not strictly comparable with those for 1933. The figures in italics for 1931 have been revised for comparison with 1933.

<sup>28</sup> At the census for 1931 trailers were included for the first time in the classification "Motor-vehicle bodies and motor-vehicle parts"; formerly these were included in "Motor vehicles, not including motor cycles." The statistics for 1929 in italics have been revised for statistics comparison with 1931 and 1933.

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                                            | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>for the<br>year) | Wages   | Cost of<br>materials,<br>fuel, and<br>purchased<br>electric<br>energy | Value of<br>products    | Value<br>added by<br>manufac-<br>ture | Horse-<br>power       |
|-------------------------------------------------------------------------------------|---------------------|--------------------------------------------|-------------------------------------------------|---------|-----------------------------------------------------------------------|-------------------------|---------------------------------------|-----------------------|
| In thousands of dollars                                                             |                     |                                            |                                                 |         |                                                                       |                         |                                       |                       |
| <b>RAILROAD REPAIR SHOPS</b>                                                        |                     |                                            |                                                 |         |                                                                       |                         |                                       |                       |
| Railroad repair shops,<br>steam.                                                    | 1933                | 1,580                                      | 220,780                                         | 257,787 | 176,757                                                               | 461,801                 | 285,045                               | -----                 |
|                                                                                     | 1931                | 1,783                                      | 282,405                                         | 306,394 | 276,705                                                               | 678,922                 | 402,217                               | -----                 |
|                                                                                     | 1929                | 1,851                                      | 305,681                                         | 500,203 | 515,562                                                               | 1,134,435               | 668,878                               | 1,076,723             |
|                                                                                     | 1927                | 1,794                                      | 307,088                                         | 600,517 | 515,070                                                               | 1,205,191               | 690,120                               | 1,037,464             |
|                                                                                     | 1925                | 1,842                                      | 425,234                                         | 619,834 | 538,908                                                               | 1,248,887               | 714,959                               | 934,839               |
| Railroad repair shops,<br>electric.                                                 | 1933                | 315                                        | 21,116                                          | 20,683  | 15,089                                                                | 44,231                  | 29,142                                | -----                 |
|                                                                                     | 1931                | 384                                        | 26,629                                          | 38,854  | 22,119                                                                | 61,841                  | 39,722                                | -----                 |
|                                                                                     | 1929                | 446                                        | 29,476                                          | 47,100  | 32,781                                                                | 85,482                  | 52,700                                | 76,424                |
| <b>MISCELLANEOUS INDUSTRIES</b>                                                     |                     |                                            |                                                 |         |                                                                       |                         |                                       |                       |
| Musical instru-<br>ments, total.                                                    | 1933                | 170                                        | 6,106                                           | 5,097   | 5,424                                                                 | 15,715                  | 10,292                                | -----                 |
|                                                                                     | 1931                | 230                                        | 10,093                                          | 11,152  | 10,792                                                                | 32,207                  | 21,444                                | -----                 |
|                                                                                     | 1929                | 316                                        | 18,025                                          | 25,782  | 30,080                                                                | 79,981                  | 49,951                                | 49,062                |
| Musical instruments<br>and parts and ma-<br>terials, not else-<br>where classified. | 1933                | 72                                         | 2,064                                           | 1,678   | 1,824                                                                 | 5,114                   | 3,490                                 | -----                 |
|                                                                                     | 1931                | 88                                         | 2,593                                           | 3,053   | 2,238                                                                 | 8,114                   | 5,875                                 | -----                 |
|                                                                                     | 1929                | 106                                        | 3,176                                           | 4,581   | 3,826                                                                 | 14,274                  | 10,449                                | 6,060                 |
| Organs.....                                                                         | 1933                | 20                                         | 674                                             | 510     | 387                                                                   | 1,627                   | 1,240                                 | -----                 |
|                                                                                     | 1931                | 42                                         | 1,460                                           | 1,763   | 1,637                                                                 | 5,710                   | 4,083                                 | -----                 |
|                                                                                     | 1929                | 62                                         | 2,389                                           | 3,004   | 3,091                                                                 | 11,323                  | 8,232                                 | 4,740                 |
| Pianos.....                                                                         | 1933                | 36                                         | 2,700                                           | 2,382   | 2,828                                                                 | 7,243                   | 4,415                                 | -----                 |
|                                                                                     | 1931                | 50                                         | 4,737                                           | 5,157   | 5,892                                                                 | 15,203                  | 9,401                                 | -----                 |
|                                                                                     | 1929                | 81                                         | 9,070                                           | 14,001  | 18,806                                                                | 42,501                  | 23,636                                | 27,193                |
| Piano and organ ma-<br>terials.                                                     | 1933                | 33                                         | 768                                             | 527     | 584                                                                   | 1,732                   | 1,148                                 | -----                 |
|                                                                                     | 1931                | 50                                         | 1,213                                           | 1,178   | 1,005                                                                 | 3,090                   | 2,086                                 | -----                 |
|                                                                                     | 1929                | 67                                         | 3,000                                           | 3,597   | 4,248                                                                 | 11,883                  | 7,635                                 | 11,099                |
| Tobacco manufac-<br>tures, total.                                                   | 1933                | 804                                        | 87,325                                          | 80,933  | <sup>29</sup> 650,005                                                 | 906,082                 | 240,987                               | -----                 |
|                                                                                     | 1931                | 1,228                                      | 99,739                                          | 69,411  | <sup>29</sup> 785,502                                                 | <sup>29</sup> 1,155,851 | 370,349                               | -----                 |
|                                                                                     | 1929                | 1,788                                      | 116,119                                         | 94,570  | <sup>29</sup> 363,476                                                 | <sup>29</sup> 429,272   | <sup>29</sup> 1,246,242               | 64,984                |
|                                                                                     | 1927                | 2,156                                      | 129,209                                         | 105,251 | <sup>29</sup> 420,667                                                 | <sup>29</sup> 1,163,708 | <sup>29</sup> 3,401                   | 52,386                |
|                                                                                     | 1925                | 2,023                                      | 132,132                                         | 111,558 | <sup>29</sup> 426,769                                                 | <sup>29</sup> 1,091,001 | <sup>29</sup> 2,086                   | 42,076                |
| Tobacco: Chewing<br>and smoking, and<br>snuff.                                      | 1933                | 112                                        | 10,223                                          | 7,037   | <sup>29</sup> 82,046                                                  | 131,935                 | 48,988                                | -----                 |
|                                                                                     | 1931                | 125                                        | 11,441                                          | 8,073   | <sup>29</sup> 111,158                                                 | 169,113                 | 57,955                                | -----                 |
|                                                                                     | 1929                | 152                                        | 10,811                                          | 8,956   | <sup>29</sup> 66,873                                                  | 179,333                 | <sup>29</sup> 750,359                 | 16,467                |
| Cigarettes <sup>31</sup> .....                                                      | 1933                | 27                                         | 22,544                                          | 13,835  | <sup>29</sup> 503,590                                                 | 637,776                 | 134,216                               | -----                 |
|                                                                                     | 1931                | 40                                         | 20,146                                          | 14,064  | <sup>29</sup> 550,049                                                 | 756,359                 | 204,340                               | -----                 |
|                                                                                     | 1929                | 40                                         | 21,142                                          | 18,401  | <sup>29</sup> 198,342                                                 | 755,245                 | <sup>29</sup> 1,163,708               | 34,420                |
|                                                                                     | 1927                | 37                                         | 21,618                                          | 18,119  | <sup>29</sup> 187,342                                                 | 626,557                 | <sup>29</sup> 1,163,708               | <sup>29</sup> 34,420  |
| Cigars <sup>31</sup> .....                                                          | 1933                | 605                                        | 54,558                                          | 30,061  | <sup>29</sup> 72,589                                                  | 136,372                 | 66,788                                | -----                 |
|                                                                                     | 1931                | 1,003                                      | 68,182                                          | 46,074  | <sup>29</sup> 119,295                                                 | 227,349                 | 108,054                               | -----                 |
|                                                                                     | 1929                | 1,587                                      | 84,105                                          | 67,222  | <sup>29</sup> 102,761                                                 | 311,664                 | <sup>29</sup> 1,199,894               | 15,097                |
|                                                                                     | 1927                | 1,900                                      | 94,550                                          | 76,470  | <sup>29</sup> 138,354                                                 | 338,067                 | <sup>29</sup> 1,117,318               | <sup>29</sup> 731,445 |
| Cigarettes and cigars <sup>31</sup> .....                                           | 1925                | 2,445                                      | 117,108                                         | 99,373  | <sup>29</sup> 148,014                                                 | 874,815                 | <sup>29</sup> 1,011,685               | 24,534                |
| Other industries,<br>total.                                                         | 1933                | 7,705                                      | 167,652                                         | 148,321 | 333,795                                                               | 752,560                 | 418,765                               | -----                 |
|                                                                                     | 1931                | 10,300                                     | 190,924                                         | 222,452 | 484,815                                                               | 1,124,577               | 640,262                               | -----                 |
|                                                                                     | 1929                | 12,508                                     | 282,066                                         | 380,173 | 899,978                                                               | 2,069,872               | 1,199,894                             | 550,213               |
|                                                                                     | 1927                | 11,786                                     | 282,208                                         | 383,751 | 904,627                                                               | 2,021,945               | 1,117,318                             | 731,445               |
|                                                                                     | 1925                | 11,191                                     | 271,555                                         | 348,762 | 851,795                                                               | 1,883,381               | 1,011,685                             | 638,790               |

<sup>29</sup> Figures include internal-revenue tax; figures in italics for 1931 exclude internal-revenue tax and are comparable with those for earlier years.

<sup>30</sup> No comparable figure because of the fact that the amount of internal-revenue tax is included in the "Cost of materials" for 1931 and 1933, but not for prior years, while this tax is included in the figures for "Value of products" for all years. ("Value added by manufacture" equals "value of products" less "cost of materials, etc.")

<sup>31</sup> Separate data for cigarettes and cigars for 1925 are not available; combined data are shown below.

<sup>32</sup> Combined figure for cigarettes and cigars for 1927 is 35,810; separate figures are not available.

<sup>33</sup> Separate statistics for cigarettes and cigars for later years are shown above.

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                                         | Census year | Number of establishments | Wage earners (average for the year) | Wages  | Cost of materials, fuel, and purchased electric energy | Value of products | Value added by manufacture | Horse-power |
|----------------------------------------------------------------------------------|-------------|--------------------------|-------------------------------------|--------|--------------------------------------------------------|-------------------|----------------------------|-------------|
|                                                                                  |             |                          |                                     |        |                                                        |                   |                            |             |
| MISCELLANEOUS INDUSTRIES—Contd.                                                  |             |                          |                                     |        |                                                        |                   |                            |             |
| Artificial and preserved flowers and plants.                                     | 1933        | 131                      | 2,338                               | 1,567  | 2,481                                                  | 6,445             | 3,964                      | -----       |
|                                                                                  | 1931        | 158                      | 2,348                               | 2,140  | 3,415                                                  | 9,035             | 5,620                      | -----       |
|                                                                                  | 1929        | 191                      | 3,216                               | 3,218  | 5,627                                                  | 14,425            | 8,898                      | 625         |
| Artists' materials.                                                              | 1933        | 50                       | 844                                 | 727    | 2,014                                                  | 4,961             | 2,947                      | -----       |
|                                                                                  | 1931        | 65                       | 838                                 | 891    | 2,137                                                  | 5,823             | 3,689                      | -----       |
|                                                                                  | 1929        | 68                       | 1,167                               | 1,429  | 4,155                                                  | 9,460             | 5,304                      | 3,397       |
| Brooms.                                                                          | 1933        | 260                      | 3,757                               | 2,111  | 4,601                                                  | 9,073             | 4,472                      | -----       |
|                                                                                  | 1931        | 334                      | 4,086                               | 3,326  | 6,264                                                  | 13,135            | 6,871                      | -----       |
|                                                                                  | 1929        | 407                      | 4,542                               | 4,169  | 9,648                                                  | 19,166            | 9,519                      | 4,672       |
| Brushes, other than rubber.                                                      | 1933        | 221                      | 5,809                               | 4,821  | 12,200                                                 | 24,576            | 12,376                     | -----       |
|                                                                                  | 1931        | 264                      | 5,891                               | 5,092  | 14,228                                                 | 30,827            | 16,600                     | -----       |
|                                                                                  | 1929        | 303                      | 7,261                               | 7,963  | 21,688                                                 | 45,549            | 23,861                     | 11,915      |
| Buttons.                                                                         | 1933        | 200                      | 9,888                               | 6,706  | 8,614                                                  | 22,412            | 13,798                     | -----       |
|                                                                                  | 1931        | 212                      | 8,224                               | 6,661  | 8,303                                                  | 21,525            | 13,221                     | -----       |
|                                                                                  | 1929        | 242                      | 9,034                               | 8,814  | 11,501                                                 | 28,978            | 17,477                     | 14,615      |
| Carbon paper and inked ribbons.                                                  | 1933        | 47                       | 1,171                               | 1,243  | 5,157                                                  | 11,225            | 6,069                      | -----       |
|                                                                                  | 1931        | 54                       | 1,198                               | 1,463  | 6,034                                                  | 13,476            | 7,442                      | -----       |
|                                                                                  | 1929        | 57                       | 1,251                               | 1,702  | 7,991                                                  | 17,295            | 9,304                      | 3,642       |
| Combs and hairpins, not made from metal or rubber.                               | 1933        | 17                       | 411                                 | 279    | 471                                                    | 911               | 441                        | -----       |
|                                                                                  | 1931        | 23                       | 653                                 | 571    | 837                                                    | 1,917             | 1,080                      | -----       |
|                                                                                  | 1929        | 24                       | 666                                 | 641    | 1,007                                                  | 2,483             | 1,476                      | 1,015       |
| Dentists' supplies and equipment, except instruments.                            | 1933        | 79                       | 3,120                               | 2,452  | 6,945                                                  | 16,437            | 9,492                      | -----       |
|                                                                                  | 1931        | 84                       | 3,574                               | 3,949  | 9,362                                                  | 24,005            | 14,643                     | -----       |
|                                                                                  | 1929        | 87                       | 4,559                               | 5,359  | 17,327                                                 | 35,180            | 17,853                     | 6,216       |
| Feathers, plumes, and manufactures thereof.                                      | 1933        | 40                       | 322                                 | 265    | 227                                                    | 835               | 608                        | -----       |
|                                                                                  | 1931        | 53                       | 527                                 | 559    | 588                                                    | 1,898             | 1,310                      | -----       |
|                                                                                  | 1929        | 39                       | 267                                 | 310    | 386                                                    | 1,141             | 755                        | 100         |
| Foundry supplies.                                                                | 1933        | 40                       | 334                                 | 315    | 1,326                                                  | 2,788             | 1,462                      | -----       |
|                                                                                  | 1931        | 52                       | 428                                 | 492    | 2,080                                                  | 3,998             | 1,918                      | -----       |
|                                                                                  | 1929        | 50                       | 853                                 | 1,256  | 5,535                                                  | 10,459            | 4,924                      | 9,396       |
| Fur goods.                                                                       | 1933        | 1,463                    | 8,210                               | 11,500 | 50,061                                                 | 80,524            | 30,464                     | -----       |
|                                                                                  | 1931        | 2,354                    | 12,358                              | 24,793 | 102,634                                                | 164,749           | 62,115                     | -----       |
|                                                                                  | 1929        | 2,856                    | 15,762                              | 33,330 | 170,107                                                | 277,593           | 101,486                    | 5,511       |
|                                                                                  | 1927        | 2,756                    | 10,640                              | 37,671 | 195,323                                                | 299,615           | 104,292                    | 5,655       |
|                                                                                  | 1925        | 2,000                    | 10,556                              | 35,104 | 159,310                                                | 254,206           | 94,950                     | 4,985       |
| Furs, dressed and dyed.                                                          | 1933        | 181                      | 5,364                               | 6,246  | 9,540                                                  | 24,948            | 15,408                     | -----       |
|                                                                                  | 1931        | 243                      | 5,160                               | 7,968  | 16,221                                                 | 37,873            | 21,652                     | -----       |
|                                                                                  | 1929        | 248                      | 5,167                               | 8,596  | 18,649                                                 | 40,237            | 21,588                     | 10,769      |
| Hair work.                                                                       | 1933        | 37                       | 228                                 | 188    | 306                                                    | 986               | 679                        | -----       |
|                                                                                  | 1931        | 52                       | 267                                 | 288    | 511                                                    | 1,184             | 874                        | -----       |
|                                                                                  | 1929        | 59                       | 369                                 | 432    | 538                                                    | 1,694             | 1,155                      | 44          |
| Hand stamps and stencils, and brands.                                            | 1933        | 256                      | 2,196                               | 2,062  | 1,855                                                  | 7,637             | 5,782                      | -----       |
|                                                                                  | 1931        | 288                      | 2,496                               | 3,371  | 2,395                                                  | 10,045            | 7,651                      | -----       |
|                                                                                  | 1929        | 332                      | 2,971                               | 4,081  | 3,811                                                  | 15,036            | 11,225                     | 3,596       |
| Hats, straw, men's.                                                              | 1933        | 46                       | 3,147                               | 2,056  | 5,217                                                  | 9,947             | 4,730                      | -----       |
|                                                                                  | 1931        | 50                       | 2,823                               | 2,784  | 7,253                                                  | 13,892            | 6,639                      | -----       |
|                                                                                  | 1929        | 50                       | 3,380                               | 3,688  | 8,705                                                  | 18,739            | 10,034                     | 1,836       |
| Instruments, professional and scientific, and gauges, except machinists' gauges. | 1933        | 210                      | 6,211                               | 6,712  | 6,300                                                  | 25,287            | 18,987                     | -----       |
|                                                                                  | 1931        | 270                      | 9,136                               | 11,115 | 10,141                                                 | 40,734            | 30,593                     | -----       |
|                                                                                  | 1929        | 276                      | 16,876                              | 22,682 | 28,411                                                 | 89,746            | 61,335                     | 22,816      |
| Jewelry and instrument cases.                                                    | 1933        | 62                       | 1,095                               | 841    | 1,135                                                  | 3,096             | 1,961                      | -----       |
|                                                                                  | 1931        | 92                       | 1,398                               | 1,414  | 1,941                                                  | 4,916             | 2,978                      | -----       |
|                                                                                  | 1929        | 113                      | 2,269                               | 2,473  | 3,524                                                  | 8,827             | 5,502                      | 1,503       |
| Lapidary work.                                                                   | 1933        | 34                       | 107                                 | 124    | 483                                                    | 823               | 340                        | -----       |
|                                                                                  | 1931        | 53                       | 205                                 | 340    | 1,378                                                  | 2,475             | 1,097                      | -----       |
|                                                                                  | 1929        | 100                      | 506                                 | 1,002  | 8,235                                                  | 11,942            | 3,708                      | 474         |
| Mattresses and bed springs, not elsewhere classified.                            | 1933        | 645                      | 13,280                              | 10,694 | 32,491                                                 | 59,724            | 27,233                     | -----       |
|                                                                                  | 1931        | 781                      | 13,622                              | 14,702 | 37,509                                                 | 77,608            | 39,999                     | -----       |
|                                                                                  | 1929        | 951                      | 17,187                              | 22,584 | 61,527                                                 | 123,280           | 61,753                     | 50,564      |

\* Revised; revision not carried into total.

## No. 775.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

| Industry                                                                                                  | Cen-<br>sus<br>year  | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earn-<br>ers<br>(average<br>for the<br>year) | Wages                      | Cost of<br>materials,<br>fuel, and<br>purchased<br>electric<br>energy | Value of<br>products        | Value<br>added by<br>manufac-<br>ture | Horse-<br>power          |
|-----------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------|------------------------------------------------------|----------------------------|-----------------------------------------------------------------------|-----------------------------|---------------------------------------|--------------------------|
|                                                                                                           |                      |                                            |                                                      |                            |                                                                       |                             |                                       |                          |
| MISCELLANEOUS IN-<br>DUSTRIES—Contd.                                                                      |                      |                                            |                                                      |                            |                                                                       |                             |                                       |                          |
| Miscellaneous articles,<br>not elsewhere classi-<br>fied. <sup>1</sup>                                    | 1933<br>1931<br>1929 | 557<br>709<br>835                          | 13,024<br>13,892<br>19,113                           | 9,615<br>13,119<br>19,466  | 16,174<br>22,880<br>35,667                                            | 40,900<br>55,133<br>86,649  | 24,726<br>32,764<br>50,992            | -----<br>-----<br>11,713 |
| Models and patterns,<br>not including paper<br>patterns.                                                  | 1933<br>1931<br>1929 | 422<br>649<br>804                          | 2,795<br>4,332<br>6,778                              | 3,525<br>7,378<br>13,234   | 1,483<br>2,787<br>5,314                                               | 8,627<br>16,192<br>30,621   | 7,145<br>13,405<br>25,307             | -----<br>-----<br>12,378 |
| Optical goods.-----                                                                                       | 1933<br>1931<br>1929 | 103<br>102<br>117                          | 7,598<br>7,446<br>9,701                              | 7,300<br>8,756<br>12,634   | 8,155<br>7,524<br>11,859                                              | 26,214<br>27,887<br>40,562  | 18,050<br>20,384<br>28,703            | -----<br>-----<br>15,038 |
| Paving materials:<br>Blocks (except brick<br>and stone), and mix-<br>tures.                               | 1933<br>1931<br>1929 | 98<br>97<br>77                             | 1,151<br>1,081<br>1,376                              | 1,215<br>1,556<br>2,187    | 6,287<br>8,587<br>11,998                                              | 10,960<br>16,003<br>22,060  | 4,603<br>7,418<br>10,062              | -----<br>-----<br>11,100 |
| Pencils, lead (including<br>mechanical).                                                                  | 1933<br>1931<br>1929 | 25<br>26<br>38                             | 3,469<br>3,459<br>5,703                              | 2,699<br>3,177<br>6,292    | 4,109<br>6,202<br>10,756                                              | 11,569<br>13,959<br>27,773  | 7,460<br>8,757<br>17,017              | -----<br>-----<br>9,921  |
| Pens, fountain and sty-<br>lographic; pen points,<br>gold, steel, and brass.                              | 1933<br>1931<br>1929 | 54<br>68<br>76                             | 3,099<br>3,945<br>4,600                              | 2,341<br>4,364<br>5,304    | 4,124<br>7,219<br>11,459                                              | 11,598<br>23,799<br>34,211  | 7,473<br>16,579<br>22,752             | -----<br>-----<br>4,235  |
| Photographic apparat-<br>us and materials and<br>projection apparatus.                                    | 1933<br>1931<br>1929 | 84<br>110<br>115                           | 8,975<br>10,809<br>12,967                            | 10,155<br>13,082<br>20,507 | 11,985<br>20,868<br>30,393                                            | 53,860<br>79,506<br>102,827 | 41,875<br>56,639<br>72,435            | -----<br>-----<br>31,904 |
| Pipes (tobacco)-----                                                                                      | 1933<br>1931<br>1929 | 22<br>24<br>24                             | 1,362<br>1,677<br>1,680                              | 1,145<br>1,781<br>1,961    | 900<br>1,778<br>1,749                                                 | 3,274<br>5,522<br>5,558     | 2,314<br>3,747<br>3,809               | -----<br>-----<br>2,276  |
| Roofing, built-up and<br>roll; asphalt shingles;<br>roof coatings, other<br>than paint.                   | 1933<br>1931<br>1929 | 74<br>83<br>102                            | 4,418<br>4,123<br>6,027                              | 4,436<br>5,331<br>8,952    | 23,593<br>32,706<br>61,392                                            | 44,833<br>58,963<br>103,506 | 20,940<br>26,257<br>42,115            | -----<br>-----<br>33,791 |
| Signs and advertising<br>novelties.                                                                       | 1933<br>1931<br>1929 | 848<br>1,078<br>1,239                      | 12,044<br>14,463<br>20,000                           | 11,577<br>18,485<br>27,901 | 15,312<br>21,297<br>35,701                                            | 47,144<br>74,681<br>113,044 | 31,832<br>63,384<br>82,343            | -----<br>-----<br>19,627 |
| Soda fountains and ac-<br>cessories.                                                                      | 1933<br>1931<br>1929 | 40<br>47<br>54                             | 816<br>1,563<br>2,764                                | 948<br>2,190<br>3,922      | 2,649<br>5,236<br>10,400                                              | 6,035<br>14,606<br>24,510   | 3,386<br>8,370<br>14,020              | -----<br>-----<br>5,271  |
| Sporting and athletic<br>goods, not including<br>firearms or ammuni-<br>tion.                             | 1933<br>1931<br>1929 | 176<br>217<br>242                          | 8,215<br>10,176<br>10,793                            | 6,523<br>11,219<br>13,135  | 10,570<br>20,099<br>24,482                                            | 25,267<br>40,257<br>58,289  | 14,698<br>29,159<br>33,806            | -----<br>-----<br>18,039 |
| Stationery goods, not<br>elsewhere classified. <sup>1</sup>                                               | 1933<br>1931         | 86<br>128                                  | 3,467<br>5,088                                       | 2,738<br>5,345             | 6,818<br>12,211                                                       | 14,241<br>27,196            | 7,423<br>14,985                       | -----<br>-----           |
| Steam and other pack-<br>ing, pipe and boiler<br>covering, and gaskets,<br>not elsewhere classi-<br>fied. | 1933<br>1931<br>1929 | 129<br>141<br>171                          | 4,575<br>4,705<br>7,266                              | 4,006<br>5,174<br>9,660    | 9,183<br>11,267<br>21,596                                             | 20,275<br>25,401<br>45,433  | 11,062<br>14,103<br>23,837            | -----<br>-----<br>30,881 |
| Surgical and orthopedic<br>appliances and related<br>products.                                            | 1933<br>1931<br>1929 | 250<br>325<br>363                          | 0,958<br>6,740<br>7,910                              | 6,119<br>7,271<br>8,922    | 28,846<br>22,954<br>36,005                                            | 51,442<br>51,012<br>71,607  | 22,596<br>28,068<br>35,602            | -----<br>-----<br>13,407 |
| Theatrical scenery and<br>stage equipment.                                                                | 1933<br>1931<br>1929 | 40<br>45<br>55                             | 312<br>365<br>547                                    | 397<br>649<br>992          | 617<br>1,218<br>2,098                                                 | 2,044<br>3,003<br>5,508     | 1,427<br>1,784<br>3,409               | -----<br>-----<br>618    |
| Toys, games, and play-<br>ground equipment. <sup>14</sup>                                                 | 1933<br>1931<br>1929 | 285<br>380<br>470                          | 12,484<br>13,231<br>16,660                           | 8,877<br>12,380<br>17,661  | 17,119<br>21,515<br>29,982                                            | 37,222<br>53,601<br>74,829  | 20,103<br>32,086<br>44,847            | -----<br>-----<br>25,642 |
| Umbrellas, parasols,<br>and canes.                                                                        | 1933<br>1931<br>1929 | 80<br>93<br>141                            | 2,155<br>1,852<br>2,855                              | 1,531<br>1,611<br>2,768    | 4,972<br>5,136<br>10,907                                              | 8,259<br>9,115<br>17,994    | 3,287<br>3,979<br>7,087               | -----<br>-----<br>3,069  |
| Window shades and<br>fixtures.                                                                            | 1933<br>1931<br>1929 | 312<br>448<br>482                          | 2,903<br>3,119<br>4,708                              | 2,264<br>3,313<br>5,624    | 9,115<br>11,193<br>19,785                                             | 18,170<br>20,562<br>36,965  | 7,055<br>9,364<br>17,170              | -----<br>-----<br>8,389  |

<sup>1</sup> Because of a change in classification, no comparable figures can be shown for earlier years.

<sup>2</sup> Revised; revision not carried into total.

<sup>3</sup> Owing to a change in classification, data for 1929 are not strictly comparable with data for later years.

<sup>4</sup> Not including children's wheel goods or sleds.

Source: Bureau of the Census, Department of Commerce.

# No. 776.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED: By GEOGRAPHIC DIVISIONS AND STATES

NOTE.—The United States totals for 1927 to 1931 have been revised to exclude statistics for "Coffee and spices, roasting and grinding" and "Peanuts, walnuts, and other nuts, processed or shelled", no data having been collected for these industries at the 1933 census. No data for "Coffee and spices, roasting and grinding" were collected for the United States as a whole at the 1925 census, and there are no comparable figures for "Peanuts, walnuts, and other nuts, processed or shelled" for years prior to 1927. These revisions have been made for divisions and States for the years 1929 and 1931 only. Data for "Poultry killing and dressing" are included for all years except 1927, for which year this industry was not canvassed. Statistics for horsepower were not collected for 1931 and 1933

| Division and State         | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>for the<br>year) | Wages      | Cost of<br>materials,<br>fuel, and<br>purchased<br>electric<br>energy | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Horse-<br>power |
|----------------------------|---------------------|--------------------------------------------|-------------------------------------------------|------------|-----------------------------------------------------------------------|----------------------|---------------------------------------|-----------------|
|                            |                     |                                            |                                                 |            |                                                                       |                      |                                       |                 |
|                            |                     |                                            |                                                 |            |                                                                       |                      |                                       |                 |
| United States.....         | 1933                | 141,769                                    | 6,056,736                                       | 5,261,576  | 16,820,822                                                            | 31,858,840           | 14,538,018                            | -----           |
|                            | 1931                | 174,255                                    | 6,506,701                                       | 7,173,232  | 21,680,760                                                            | 41,038,402           | 19,357,043                            | -----           |
|                            | 1929                | 209,862                                    | 8,821,767                                       | 11,007,287 | 38,177,900                                                            | 69,900,910           | 31,783,010                            | 42,869,403      |
|                            | 1927                | 190,938                                    | 8,334,184                                       | 10,855,978 | 34,802,694                                                            | 63,878,116           | 27,475,525                            | 58,769,183      |
|                            | 1925                | 191,860                                    | 8,349,755                                       | 10,848,803 | 35,133,137                                                            | 62,718,347           | 27,585,210                            | 38,825,681      |
|                            | 1926                | 187,390                                    | 8,384,261                                       | 10,729,909 | 35,935,648                                                            | 62,713,714           | 26,778,066                            | 35,772,628      |
| New England.....           | 1933                | 14,012                                     | 798,282                                         | 685,362    | 1,460,804                                                             | 3,073,140            | 1,603,336                             | -----           |
|                            | 1931                | 16,338                                     | 849,618                                         | 898,949    | 1,823,182                                                             | 3,901,628            | 2,078,444                             | -----           |
|                            | 1929                | 18,230                                     | 1,007,989                                       | 1,345,721  | 3,142,745                                                             | 6,377,943            | 3,235,199                             | 4,684,540       |
|                            | 1927                | 17,745                                     | 1,008,748                                       | 1,328,650  | 3,048,863                                                             | 6,028,475            | 2,970,612                             | 4,566,155       |
|                            | 1925                | 18,173                                     | 1,122,216                                       | 1,339,810  | 3,203,911                                                             | 6,140,063            | 2,936,153                             | 4,840,191       |
| Middle Atlantic.....       | 1933                | 43,831                                     | 1,745,024                                       | 1,637,201  | 4,672,407                                                             | 9,393,966            | 4,661,558                             | -----           |
|                            | 1931                | 56,356                                     | 1,959,556                                       | 2,350,610  | 6,372,204                                                             | 12,890,827           | 6,518,623                             | -----           |
|                            | 1929                | 64,528                                     | 2,560,069                                       | 3,037,674  | 11,085,616                                                            | 21,235,221           | 10,149,605                            | 11,612,902      |
|                            | 1927                | 82,276                                     | 2,467,791                                       | 3,491,680  | 10,488,832                                                            | 19,533,075           | 9,044,243                             | 10,968,754      |
|                            | 1925                | 68,895                                     | 2,491,039                                       | 3,434,610  | 10,682,358                                                            | 19,409,491           | 8,727,133                             | 10,106,890      |
| East North Central.....    | 1933                | 32,256                                     | 1,000,069                                       | 1,494,447  | 4,722,617                                                             | 8,845,121            | 4,122,504                             | -----           |
|                            | 1931                | 39,113                                     | 1,755,362                                       | 2,055,248  | 6,084,469                                                             | 11,781,372           | 5,696,903                             | -----           |
|                            | 1929                | 46,233                                     | 2,539,925                                       | 3,736,127  | 11,614,800                                                            | 21,568,789           | 9,953,989                             | 12,591,913      |
|                            | 1927                | 43,671                                     | 2,309,860                                       | 3,340,601  | 10,525,393                                                            | 18,988,400           | 8,463,007                             | 11,056,846      |
|                            | 1925                | 42,888                                     | 2,342,799                                       | 3,345,894  | 10,764,884                                                            | 19,026,814           | 8,261,929                             | 10,047,780      |
| West North Central.....    | 1933                | 12,222                                     | 322,871                                         | 287,531    | 1,480,750                                                             | 2,381,800            | 901,050                               | -----           |
|                            | 1931                | 15,026                                     | 362,128                                         | 404,701    | 1,995,888                                                             | 3,164,079            | 1,168,191                             | -----           |
|                            | 1929                | 17,684                                     | 470,919                                         | 587,222    | 3,496,220                                                             | 5,324,138            | 1,857,918                             | 2,202,727       |
|                            | 1927                | 16,192                                     | 448,192                                         | 550,698    | 3,170,989                                                             | 4,733,112            | 1,562,123                             | 2,033,074       |
|                            | 1925                | 16,280                                     | 452,820                                         | 552,702    | 3,216,616                                                             | 4,724,411            | 1,507,795                             | 1,855,278       |
| South Atlantic.....        | 1933                | 12,610                                     | 770,805                                         | 698,670    | 1,731,746                                                             | 3,059,763            | 1,328,098                             | -----           |
|                            | 1931                | 15,100                                     | 734,609                                         | 882,748    | 2,002,853                                                             | 3,576,987            | 1,674,134                             | -----           |
|                            | 1929                | 20,699                                     | 909,114                                         | 1,244,422  | 2,772,948                                                             | 5,221,614            | 2,448,667                             | 4,806,447       |
|                            | 1927                | 17,026                                     | 879,060                                         | 794,205    | 2,487,871                                                             | 4,631,952            | 2,144,081                             | 3,805,038       |
|                            | 1925                | 16,576                                     | 838,834                                         | 767,051    | 2,549,391                                                             | 4,532,146            | 1,982,755                             | 3,384,080       |
| East South Central.....    | 1933                | 4,939                                      | 263,783                                         | 167,217    | 635,560                                                               | 980,595              | 445,035                               | -----           |
|                            | 1931                | 6,053                                      | 261,676                                         | 208,622    | 627,706                                                               | 1,160,836            | 533,130                               | -----           |
|                            | 1929                | 9,784                                      | 377,032                                         | 348,186    | 1,073,602                                                             | 1,993,334            | 919,731                               | 1,995,206       |
|                            | 1927                | 7,637                                      | 369,542                                         | 331,280    | 1,025,122                                                             | 1,808,818            | 783,696                               | 1,787,386       |
|                            | 1925                | 8,080                                      | 355,995                                         | 322,675    | 1,042,478                                                             | 1,806,702            | 766,224                               | 1,616,183       |
| West South Central.....    | 1933                | 6,936                                      | 192,885                                         | 143,856    | 813,184                                                               | 1,271,447            | 458,263                               | -----           |
|                            | 1931                | 8,130                                      | 197,843                                         | 191,172    | 1,015,467                                                             | 1,525,389            | 509,932                               | -----           |
|                            | 1929                | 10,420                                     | 294,806                                         | 315,007    | 1,822,358                                                             | 2,762,462            | 940,104                               | 1,744,071       |
|                            | 1927                | 8,208                                      | 267,142                                         | 281,156    | 1,644,155                                                             | 2,899,410            | 755,255                               | 1,419,568       |
|                            | 1925                | 7,887                                      | 265,160                                         | 267,875    | 1,722,382                                                             | 2,546,506            | 824,124                               | 1,310,629       |
| Mountain.....              | 1933                | 2,869                                      | 59,853                                          | 58,494     | 257,770                                                               | 419,489              | 161,719                               | -----           |
|                            | 1931                | 3,627                                      | 69,929                                          | 87,959     | 365,222                                                               | 576,488              | 211,266                               | -----           |
|                            | 1929                | 4,293                                      | 102,331                                         | 144,315    | 869,490                                                               | 1,235,443            | 363,954                               | 937,978         |
|                            | 1927                | 3,619                                      | 94,957                                          | 130,304    | 659,600                                                               | 981,091              | 322,490                               | 823,256         |
|                            | 1925                | 3,849                                      | 100,374                                         | 134,583    | 688,350                                                               | 1,046,818            | 367,968                               | 757,974         |
| Pacific.....               | 1933                | 12,094                                     | 300,665                                         | 288,782    | 1,136,984                                                             | 1,993,630            | 856,546                               | -----           |
|                            | 1931                | 14,512                                     | 316,520                                         | 395,324    | 1,393,779                                                             | 2,460,799            | 1,067,020                             | -----           |
|                            | 1929                | 17,991                                     | 660,575                                         | 663,613    | 2,333,123                                                             | 4,241,965            | 1,908,842                             | 2,794,559       |
|                            | 1927                | 15,189                                     | 424,463                                         | 599,969    | 2,082,311                                                             | 3,614,013            | 1,531,702                             | 2,350,614       |
|                            | 1925                | 14,782                                     | 415,024                                         | 575,269    | 2,041,255                                                             | 3,455,241            | 1,413,986                             | 2,299,109       |
| New England:<br>Maine..... | 1933                | 996                                        | 59,518                                          | 45,867     | 115,205                                                               | 219,110              | 103,913                               | -----           |
|                            | 1931                | 1,282                                      | 55,300                                          | 55,179     | 142,204                                                               | 259,357              | 117,152                               | -----           |
|                            | 1929                | 1,565                                      | 70,149                                          | 74,189     | 217,212                                                               | 391,658              | 174,340                               | 679,114         |
|                            | 1927                | 1,426                                      | 68,142                                          | 74,212     | 208,866                                                               | 372,093              | 163,228                               | 628,941         |
|                            | 1925                | 1,500                                      | 73,849                                          | 79,777     | 205,709                                                               | 371,849              | 166,141                               | 600,787         |

<sup>1</sup> The 1927 figures in italics are revised totals comparable with figures for later years; figures not in italics are as previously published and are comparable with State figures for that year and with figures for 1925, which have not been revised (see headnote).

No. 776.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED:  
By GEOGRAPHIC DIVISIONS AND STATES—Continued

| Division and State      | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>for the<br>year) | Wages     | Cost of<br>materials,<br>fuel, and<br>purchased<br>electric<br>energy | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Horse-<br>power |
|-------------------------|---------------------|--------------------------------------------|-------------------------------------------------|-----------|-----------------------------------------------------------------------|----------------------|---------------------------------------|-----------------|
|                         |                     |                                            |                                                 |           |                                                                       |                      |                                       |                 |
| In thousands of dollars |                     |                                            |                                                 |           |                                                                       |                      |                                       |                 |
| New England—Contd.      |                     |                                            |                                                 |           |                                                                       |                      |                                       |                 |
| New Hampshire           | 1933                | 678                                        | 49,255                                          | 38,784    | 86,519                                                                | 162,913              | 76,394                                |                 |
|                         | 1931                | 848                                        | 53,044                                          | 51,807    | 112,739                                                               | 210,074              | 97,335                                |                 |
|                         | 1929                | 1,072                                      | 65,507                                          | 70,510    | 185,510                                                               | 332,396              | 147,086                               | 402,110         |
|                         | 1927                | 1,028                                      | 65,482                                          | 72,803    | 182,106                                                               | 327,528              | 145,422                               | 376,373         |
|                         | 1925                | 1,038                                      | 66,658                                          | 71,725    | 192,253                                                               | 327,401              | 135,147                               | 370,740         |
| Vermont                 | 1933                | 530                                        | 15,083                                          | 12,456    | 26,489                                                                | 56,624               | 30,135                                |                 |
|                         | 1931                | 701                                        | 18,725                                          | 20,921    | 37,411                                                                | 80,594               | 43,183                                |                 |
|                         | 1929                | 926                                        | 27,420                                          | 33,809    | 66,227                                                                | 143,481              | 77,254                                | 163,935         |
|                         | 1927                | 880                                        | 26,241                                          | 32,305    | 69,957                                                                | 134,030              | 64,073                                | 172,762         |
|                         | 1925                | 951                                        | 27,563                                          | 32,326    | 74,687                                                                | 138,270              | 63,882                                | 178,806         |
| Massachusetts           | 1933                | 8,145                                      | 398,592                                         | 354,524   | 800,611                                                               | 1,668,793            | 868,122                               |                 |
|                         | 1931                | 9,274                                      | 433,974                                         | 473,649   | 1,005,402                                                             | 2,144,593            | 1,139,191                             |                 |
|                         | 1929                | 9,845                                      | 557,023                                         | 694,202   | 1,607,406                                                             | 3,373,941            | 1,706,635                             | 2,066,523       |
|                         | 1927                | 10,037                                     | 578,068                                         | 705,930   | 1,678,812                                                             | 3,317,852            | 1,639,039                             | 2,130,503       |
|                         | 1925                | 10,027                                     | 591,438                                         | 716,156   | 1,773,698                                                             | 3,405,672            | 1,631,974                             | 2,013,017       |
| Rhode Island            | 1933                | 1,254                                      | 92,512                                          | 76,124    | 163,734                                                               | 331,046              | 167,312                               |                 |
|                         | 1931                | 1,472                                      | 95,424                                          | 96,023    | 198,265                                                               | 409,524              | 211,258                               |                 |
|                         | 1929                | 1,700                                      | 126,048                                         | 144,172   | 341,615                                                               | 665,534              | 323,919                               | 463,742         |
|                         | 1927                | 1,497                                      | 120,000                                         | 138,896   | 313,107                                                               | 592,233              | 279,126                               | 410,181         |
|                         | 1925                | 1,595                                      | 120,346                                         | 138,126   | 345,221                                                               | 621,920              | 276,699                               | 395,764         |
| Connecticut             | 1933                | 2,410                                      | 183,322                                         | 157,608   | 277,246                                                               | 634,705              | 357,450                               |                 |
|                         | 1931                | 2,811                                      | 192,151                                         | 199,370   | 327,160                                                               | 797,484              | 470,324                               |                 |
|                         | 1929                | 3,122                                      | 251,839                                         | 328,839   | 664,975                                                               | 1,471,034            | 806,059                               | 909,116         |
|                         | 1927                | 2,877                                      | 240,806                                         | 304,504   | 596,014                                                               | 1,284,739            | 688,724                               | 847,395         |
|                         | 1925                | 3,002                                      | 242,362                                         | 301,200   | 612,942                                                               | 1,274,952            | 662,309                               | 790,087         |
| Middle Atlantic:        |                     |                                            |                                                 |           |                                                                       |                      |                                       |                 |
| New York                | 1933                | 25,979                                     | 733,452                                         | 754,367   | 2,190,385                                                             | 4,596,258            | 2,399,873                             |                 |
|                         | 1931                | 34,482                                     | 846,804                                         | 1,103,604 | 3,102,818                                                             | 6,500,401            | 3,397,583                             |                 |
|                         | 1929                | 39,273                                     | 1,104,335                                       | 1,648,379 | 4,935,505                                                             | 9,892,763            | 4,957,268                             | 3,979,228       |
|                         | 1927                | 36,650                                     | 1,072,284                                       | 1,605,378 | 4,804,173                                                             | 9,400,061            | 4,595,889                             | 3,671,185       |
|                         | 1925                | 33,398                                     | 1,066,202                                       | 1,533,893 | 4,704,989                                                             | 8,998,548            | 4,203,558                             | 3,343,184       |
| New Jersey              | 1933                | 5,759                                      | 295,574                                         | 283,242   | 878,933                                                               | 1,686,129            | 807,196                               |                 |
|                         | 1931                | 7,163                                      | 334,525                                         | 401,811   | 1,161,259                                                             | 2,299,879            | 1,138,620                             |                 |
|                         | 1929                | 8,374                                      | 442,177                                         | 610,404   | 2,157,268                                                             | 3,923,282            | 1,765,993                             | 1,644,687       |
|                         | 1927                | 8,312                                      | 408,093                                         | 570,309   | 1,956,597                                                             | 3,417,450            | 1,460,853                             | 1,496,935       |
|                         | 1925                | 8,204                                      | 425,377                                         | 576,236   | 2,086,855                                                             | 3,539,181            | 1,452,326                             | 1,384,234       |
| Pennsylvania            | 1933                | 12,093                                     | 716,598                                         | 599,591   | 1,597,090                                                             | 3,051,579            | 1,454,489                             |                 |
|                         | 1931                | 14,711                                     | 778,227                                         | 845,045   | 2,108,128                                                             | 4,090,548            | 1,982,419                             |                 |
|                         | 1929                | 16,881                                     | 1,013,557                                       | 1,378,890 | 3,992,843                                                             | 7,419,197            | 3,426,354                             | 5,989,007       |
|                         | 1927                | 17,314                                     | 987,414                                         | 1,315,993 | 3,728,062                                                             | 6,715,563            | 2,987,502                             | 5,800,634       |
|                         | 1925                | 17,298                                     | 999,480                                         | 1,324,481 | 3,890,514                                                             | 6,901,762            | 3,011,248                             | 5,373,972       |
| East North Central:     |                     |                                            |                                                 |           |                                                                       |                      |                                       |                 |
| Ohio                    | 1933                | 8,101                                      | 472,699                                         | 439,753   | 1,234,187                                                             | 2,374,653            | 1,140,467                             |                 |
|                         | 1931                | 9,826                                      | 509,109                                         | 592,135   | 1,586,876                                                             | 3,147,997            | 1,561,121                             |                 |
|                         | 1929                | 11,800                                     | 740,240                                         | 1,101,168 | 3,112,721                                                             | 5,995,007            | 2,882,285                             | 4,336,685       |
|                         | 1927                | 10,961                                     | 669,097                                         | 998,181   | 2,877,126                                                             | 5,230,323            | 2,363,197                             | 3,734,761       |
|                         | 1925                | 11,137                                     | 676,742                                         | 976,812   | 3,029,686                                                             | 5,347,522            | 2,317,836                             | 3,482,618       |
| Indiana                 | 1933                | 3,373                                      | 198,940                                         | 172,055   | 569,878                                                               | 1,040,148            | 470,270                               |                 |
|                         | 1931                | 4,082                                      | 212,538                                         | 232,236   | 756,164                                                               | 1,392,493            | 636,329                               |                 |
|                         | 1929                | 5,072                                      | 314,623                                         | 418,693   | 1,401,543                                                             | 2,537,363            | 1,135,820                             | 1,858,328       |
|                         | 1927                | 4,726                                      | 280,717                                         | 375,218   | 1,227,109                                                             | 2,153,479            | 926,311                               | 1,002,113       |
|                         | 1925                | 4,772                                      | 280,854                                         | 365,003   | 1,257,061                                                             | 2,125,023            | 867,062                               | 1,420,989       |
| Illinois                | 1933                | 10,740                                     | 420,334                                         | 403,682   | 1,301,391                                                             | 2,502,175            | 1,200,784                             |                 |
|                         | 1931                | 13,120                                     | 482,875                                         | 588,555   | 1,771,208                                                             | 3,492,656            | 1,721,448                             |                 |
|                         | 1929                | 15,278                                     | 690,511                                         | 1,023,568 | 3,311,708                                                             | 6,232,863            | 2,921,155                             | 2,802,070       |
|                         | 1927                | 14,711                                     | 623,468                                         | 914,103   | 2,921,092                                                             | 5,386,003            | 2,464,911                             | 2,456,997       |
|                         | 1925                | 14,117                                     | 622,368                                         | 897,970   | 2,926,064                                                             | 5,321,838            | 2,395,774                             | 2,247,408       |
| Michigan                | 1933                | 4,933                                      | 350,266                                         | 346,111   | 1,163,158                                                             | 2,104,105            | 940,046                               |                 |
|                         | 1931                | 5,766                                      | 370,017                                         | 453,313   | 1,302,656                                                             | 2,551,258            | 1,248,601                             |                 |
|                         | 1929                | 6,668                                      | 529,905                                         | 840,326   | 2,585,227                                                             | 4,651,174            | 2,065,947                             | 2,356,067       |
|                         | 1927                | 5,800                                      | 488,856                                         | 760,602   | 2,346,678                                                             | 4,244,941            | 1,898,263                             | 2,214,747       |
|                         | 1925                | 5,600                                      | 516,494                                         | 792,225   | 2,466,426                                                             | 4,373,186            | 1,900,760                             | 1,887,750       |



**No. 776.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED:  
By GEOGRAPHIC DIVISIONS AND STATES—Continued**

| Division and State                | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>for the<br>year) | Wages    | Cost of<br>materials,<br>fuel, and<br>purchased<br>electric<br>energy | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Horse-<br>power |
|-----------------------------------|---------------------|--------------------------------------------|-------------------------------------------------|----------|-----------------------------------------------------------------------|----------------------|---------------------------------------|-----------------|
|                                   |                     |                                            |                                                 |          |                                                                       |                      |                                       |                 |
| In thousands of dollars           |                     |                                            |                                                 |          |                                                                       |                      |                                       |                 |
| East North Central—<br>Continued. |                     |                                            |                                                 |          |                                                                       |                      |                                       |                 |
| Wisconsin.....                    | 1933                | 5, 409                                     | 158, 730                                        | 132, 846 | 454, 003                                                              | 824, 040             | 379, 037                              | -----           |
|                                   | 1931                | 6, 319                                     | 183, 823                                        | 189, 010 | 667, 555                                                              | 1, 196, 967          | 529, 402                              | -----           |
|                                   | 1929                | 7, 416                                     | 284, 646                                        | 352, 383 | 1, 203, 600                                                           | 2, 152, 382          | 948, 782                              | 1, 238, 763     |
|                                   | 1927                | 7, 473                                     | 247, 722                                        | 322, 697 | 1, 153, 328                                                           | 1, 973, 653          | 820, 325                              | 1, 048, 228     |
|                                   | 1925                | 7, 262                                     | 247, 341                                        | 314, 883 | 1, 084, 747                                                           | 1, 859, 244          | 774, 406                              | 1, 009, 016     |
| West North Central:               |                     |                                            |                                                 |          |                                                                       |                      |                                       |                 |
| Minnesota.....                    | 1933                | 3, 312                                     | 69, 633                                         | 64, 024  | 328, 193                                                              | 529, 733             | 201, 540                              | -----           |
|                                   | 1931                | 3, 843                                     | 80, 542                                         | 92, 722  | 462, 627                                                              | 712, 196             | 259, 569                              | -----           |
|                                   | 1929                | 4, 295                                     | 103, 215                                        | 132, 194 | 781, 387                                                              | 1, 104, 458          | 403, 071                              | 605, 685        |
|                                   | 1927                | 3, 886                                     | 98, 833                                         | 123, 619 | 726, 391                                                              | 1, 066, 727          | 340, 336                              | 584, 328        |
|                                   | 1925                | 3, 888                                     | 100, 614                                        | 123, 767 | 770, 724                                                              | 1, 101, 856          | 331, 132                              | 508, 021        |
| Iowa.....                         | 1933                | 2, 217                                     | 52, 137                                         | 45, 228  | 241, 067                                                              | 381, 668             | 140, 601                              | -----           |
|                                   | 1931                | 2, 703                                     | 60, 826                                         | 68, 274  | 354, 532                                                              | 558, 524             | 203, 902                              | -----           |
|                                   | 1929                | 3, 304                                     | 81, 534                                         | 102, 164 | 571, 141                                                              | 893, 946             | 322, 806                              | 366, 012        |
|                                   | 1927                | 3, 061                                     | 73, 992                                         | 91, 247  | 496, 940                                                              | 769, 341             | 272, 401                              | 330, 702        |
|                                   | 1925                | 3, 270                                     | 74, 976                                         | 92, 233  | 496, 589                                                              | 757, 771             | 258, 185                              | 308, 010        |
| Missouri.....                     | 1933                | 3, 813                                     | 141, 176                                        | 120, 467 | 498, 162                                                              | 881, 184             | 383, 022                              | -----           |
|                                   | 1931                | 4, 776                                     | 162, 796                                        | 100, 897 | 624, 696                                                              | 1, 096, 736          | 472, 040                              | -----           |
|                                   | 1929                | 5, 720                                     | 200, 411                                        | 239, 156 | 1, 115, 393                                                           | 1, 885, 470          | 770, 077                              | 713, 705        |
|                                   | 1927                | 5, 422                                     | 195, 378                                        | 230, 017 | 1, 064, 709                                                           | 1, 666, 173          | 660, 464                              | 656, 269        |
|                                   | 1925                | 5, 114                                     | 194, 069                                        | 230, 691 | 980, 459                                                              | 1, 607, 161          | 626, 702                              | 500, 485        |
| North Dakota.....                 | 1933                | 288                                        | 3, 103                                          | 3, 290   | 21, 701                                                               | 31, 541              | 9, 840                                | -----           |
|                                   | 1931                | 325                                        | 3, 306                                          | 4, 600   | 28, 155                                                               | 40, 076              | 11, 921                               | -----           |
|                                   | 1929                | 372                                        | 3, 990                                          | 5, 657   | 39, 001                                                               | 54, 407              | 15, 407                               | 19, 335         |
|                                   | 1927                | 307                                        | 3, 260                                          | 4, 808   | 34, 271                                                               | 47, 003              | 12, 732                               | 16, 167         |
|                                   | 1925                | 320                                        | 3, 261                                          | 4, 575   | 32, 307                                                               | 44, 632              | 12, 325                               | 16, 711         |
| South Dakota.....                 | 1933                | 348                                        | 4, 731                                          | 4, 508   | 32, 506                                                               | 46, 266              | 13, 760                               | -----           |
|                                   | 1931                | 486                                        | 5, 369                                          | 6, 372   | 50, 849                                                               | 89, 072              | 18, 223                               | -----           |
|                                   | 1929                | 611                                        | 6, 525                                          | 8, 124   | 74, 838                                                               | 97, 458              | 22, 620                               | 31, 257         |
|                                   | 1927                | 472                                        | 5, 551                                          | 6, 786   | 63, 620                                                               | 83, 001              | 19, 381                               | 24, 676         |
|                                   | 1925                | 504                                        | 5, 151                                          | 6, 208   | 46, 042                                                               | 63, 433              | 16, 491                               | 21, 463         |
| Nebraska.....                     | 1933                | 992                                        | 19, 483                                         | 18, 872  | 138, 873                                                              | 194, 310             | 55, 438                               | -----           |
|                                   | 1931                | 1, 270                                     | 23, 289                                         | 28, 249  | 212, 063                                                              | 290, 642             | 78, 579                               | -----           |
|                                   | 1929                | 1, 483                                     | 27, 933                                         | 36, 648  | 350, 378                                                              | 478, 330             | 118, 952                              | 168, 542        |
|                                   | 1927                | 1, 277                                     | 26, 110                                         | 34, 206  | 326, 917                                                              | 420, 296             | 93, 379                               | 141, 506        |
|                                   | 1925                | 1, 306                                     | 27, 200                                         | 36, 021  | 348, 397                                                              | 443, 309             | 94, 912                               | 133, 708        |
| Kansas.....                       | 1933                | 1, 272                                     | 32, 608                                         | 31, 143  | 220, 248                                                              | 317, 098             | 96, 850                               | -----           |
|                                   | 1931                | 1, 563                                     | 36, 000                                         | 43, 676  | 272, 965                                                              | 399, 832             | 123, 866                              | -----           |
|                                   | 1929                | 1, 899                                     | 47, 311                                         | 63, 277  | 545, 082                                                              | 750, 067             | 204, 985                              | 298, 191        |
|                                   | 1927                | 1, 767                                     | 45, 368                                         | 69, 925  | 518, 141                                                              | 681, 570             | 163, 420                              | 279, 426        |
|                                   | 1925                | 1, 878                                     | 46, 659                                         | 59, 207  | 538, 202                                                              | 706, 250             | 168, 048                              | 276, 874        |
| South Atlantic:                   |                     |                                            |                                                 |          |                                                                       |                      |                                       |                 |
| Delaware.....                     | 1933                | 328                                        | 15, 825                                         | 13, 935  | 34, 424                                                               | 70, 411              | 35, 986                               | -----           |
|                                   | 1931                | 382                                        | 17, 201                                         | 18, 829  | 46, 662                                                               | 91, 128              | 44, 466                               | -----           |
|                                   | 1929                | 459                                        | 23, 551                                         | 29, 061  | 80, 460                                                               | 149, 606             | 69, 140                               | 114, 957        |
|                                   | 1927                | 446                                        | 21, 324                                         | 25, 222  | 69, 033                                                               | 129, 900             | 60, 867                               | 103, 166        |
|                                   | 1925                | 419                                        | 20, 704                                         | 26, 072  | 70, 622                                                               | 125, 406             | 54, 784                               | 107, 391        |
| Maryland.....                     | 1933                | 2, 476                                     | 100, 236                                        | 82, 563  | 278, 374                                                              | 518, 707             | 240, 333                              | -----           |
|                                   | 1931                | 2, 830                                     | 107, 770                                        | 107, 813 | 361, 791                                                              | 663, 728             | 301, 937                              | -----           |
|                                   | 1929                | 3, 210                                     | 130, 896                                        | 148, 598 | 680, 249                                                              | 1, 108, 721          | 419, 472                              | 658, 478        |
|                                   | 1927                | 3, 205                                     | 126, 700                                        | 141, 903 | 664, 120                                                              | 943, 411             | 379, 290                              | 579, 713        |
|                                   | 1925                | 3, 184                                     | 125, 787                                        | 138, 591 | 568, 591                                                              | 928, 252             | 357, 960                              | 544, 558        |
| District of Colum-<br>bia.        | 1933                | 386                                        | 7, 969                                          | 11, 185  | 20, 860                                                               | 61, 284              | 40, 424                               | -----           |
|                                   | 1931                | 485                                        | 8, 612                                          | 13, 988  | 27, 621                                                               | 76, 929              | 49, 307                               | -----           |
|                                   | 1929                | 540                                        | 9, 989                                          | 15, 451  | 33, 923                                                               | 86, 076              | 52, 152                               | 44, 684         |
|                                   | 1927                | 503                                        | 9, 519                                          | 15, 699  | 36, 090                                                               | 90, 390              | 54, 291                               | 39, 471         |
|                                   | 1925                | 538                                        | 9, 753                                          | 15, 320  | 33, 504                                                               | 83, 577              | 50, 073                               | 37, 508         |
| Virginia.....                     | 1933                | 1, 864                                     | 100, 673                                        | 70, 444  | 302, 640                                                              | 509, 196             | 268, 556                              | -----           |
|                                   | 1931                | 2, 242                                     | 101, 582                                        | 89, 845  | 338, 977                                                              | 598, 738             | 259, 761                              | -----           |
|                                   | 1929                | 3, 252                                     | 119, 110                                        | 117, 576 | 353, 031                                                              | 730, 470             | 377, 439                              | 642, 196        |
|                                   | 1927                | 2, 432                                     | 114, 918                                        | 110, 378 | 346, 166                                                              | 671, 347             | 325, 181                              | 503, 726        |
|                                   | 1925                | 2, 553                                     | 112, 135                                        | 105, 887 | 314, 711                                                              | 589, 511             | 274, 800                              | 441, 807        |

No. 776.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED:  
By GEOGRAPHIC DIVISIONS AND STATES—Continued

| Division and State                          | Cen-<br>sus<br>year | Num-<br>ber of<br>estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>for the<br>year) | Wages   | Cost of<br>materials,<br>fuel, and<br>purchased<br>electric<br>energy | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Horse-<br>power |
|---------------------------------------------|---------------------|--------------------------------------------|-------------------------------------------------|---------|-----------------------------------------------------------------------|----------------------|---------------------------------------|-----------------|
|                                             |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
|                                             |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
| South Atlantic—Contd.<br>West Virginia..... | 1933                | 887                                        | 67,950                                          | 60,400  | 128,092                                                               | 262,467              | 134,375                               | -----           |
|                                             | 1931                | 1,120                                      | 64,665                                          | 73,880  | 149,137                                                               | 309,840              | 160,703                               | -----           |
|                                             | 1929                | 1,488                                      | 85,289                                          | 115,259 | 290,694                                                               | 512,011              | 251,316                               | 650,129         |
|                                             | 1927                | 1,313                                      | 77,630                                          | 103,431 | 252,884                                                               | 455,217              | 202,332                               | 546,440         |
|                                             | 1925                | 1,395                                      | 80,700                                          | 105,892 | 230,880                                                               | 470,822              | 209,941                               | 495,051         |
| North Carolina.....                         | 1933                | 2,084                                      | 200,202                                         | 113,523 | 558,713                                                               | 877,863              | 319,140                               | -----           |
|                                             | 1931                | 2,543                                      | 178,908                                         | 118,563 | 642,669                                                               | 1,024,178            | 381,509                               | -----           |
|                                             | 1929                | 3,778                                      | 209,343                                         | 160,719 | 615,832                                                               | 1,308,085            | 692,402                               | 838,415         |
|                                             | 1927                | 2,984                                      | 204,590                                         | 168,894 | 690,819                                                               | 1,154,047            | 593,827                               | 810,798         |
|                                             | 1925                | 2,614                                      | 182,234                                         | 134,237 | 650,707                                                               | 1,050,434            | 490,727                               | 666,861         |
| South Carolina.....                         | 1933                | 888                                        | 104,836                                         | 54,761  | 140,822                                                               | 257,344              | 116,522                               | -----           |
|                                             | 1931                | 1,035                                      | 86,947                                          | 50,904  | 115,927                                                               | 225,026              | 109,099                               | -----           |
|                                             | 1929                | 1,651                                      | 108,706                                         | 73,197  | 226,039                                                               | 385,144              | 159,105                               | 527,111         |
|                                             | 1927                | 1,059                                      | 108,992                                         | 74,478  | 206,772                                                               | 358,334              | 151,562                               | 478,245         |
|                                             | 1925                | 1,134                                      | 100,144                                         | 67,062  | 237,227                                                               | 370,253              | 133,056                               | 423,350         |
| Georgia.....                                | 1933                | 2,223                                      | 128,736                                         | 87,415  | 216,877                                                               | 386,211              | 169,534                               | -----           |
|                                             | 1931                | 2,812                                      | 118,466                                         | 74,616  | 252,288                                                               | 453,027              | 181,844                               | -----           |
|                                             | 1929                | 4,143                                      | 157,853                                         | 110,136 | 421,614                                                               | 715,188              | 293,678                               | 637,703         |
|                                             | 1927                | 3,176                                      | 154,168                                         | 108,118 | 360,262                                                               | 609,918              | 249,650                               | 565,899         |
|                                             | 1925                | 2,870                                      | 141,173                                         | 99,210  | 399,351                                                               | 648,862              | 249,601                               | 523,394         |
| Florida.....                                | 1933                | 1,474                                      | 44,878                                          | 24,480  | 50,943                                                                | 116,280              | 65,337                                | -----           |
|                                             | 1931                | 1,651                                      | 49,918                                          | 34,309  | 67,786                                                                | 153,795              | 80,009                                | -----           |
|                                             | 1929                | 2,183                                      | 64,677                                          | 54,424  | 92,297                                                                | 226,364              | 134,057                               | 191,774         |
|                                             | 1927                | 1,912                                      | 61,219                                          | 58,672  | 91,716                                                                | 218,790              | 127,075                               | 177,580         |
|                                             | 1925                | 1,863                                      | 66,204                                          | 65,780  | 113,796                                                               | 267,009              | 153,213                               | 144,161         |
| East South Central:<br>Kentucky.....        | 1933                | 1,274                                      | 56,086                                          | 44,292  | 174,568                                                               | 297,808              | 123,240                               | -----           |
|                                             | 1931                | 1,606                                      | 56,156                                          | 54,850  | 167,520                                                               | 290,869              | 129,539                               | -----           |
|                                             | 1929                | 2,227                                      | 77,720                                          | 88,537  | 284,275                                                               | 499,747              | 235,472                               | 354,258         |
|                                             | 1927                | 1,851                                      | 74,912                                          | 83,859  | 250,638                                                               | 447,705              | 197,132                               | 318,755         |
|                                             | 1925                | 1,864                                      | 76,680                                          | 84,946  | 255,108                                                               | 453,937              | 198,828                               | 267,965         |
| Tennessee.....                              | 1933                | 1,561                                      | 94,909                                          | 60,871  | 184,090                                                               | 357,028              | 172,939                               | -----           |
|                                             | 1931                | 1,922                                      | 82,306                                          | 73,829  | 233,205                                                               | 440,387              | 207,182                               | -----           |
|                                             | 1929                | 2,852                                      | 128,067                                         | 115,006 | 397,382                                                               | 717,070              | 319,688                               | 608,123         |
|                                             | 1927                | 2,098                                      | 114,908                                         | 101,198 | 351,436                                                               | 614,041              | 262,694                               | 476,243         |
|                                             | 1925                | 2,162                                      | 107,645                                         | 95,255  | 358,097                                                               | 601,498              | 243,391                               | 447,529         |
| Alabama.....                                | 1933                | 1,358                                      | 84,966                                          | 48,417  | 139,741                                                               | 253,211              | 113,470                               | -----           |
|                                             | 1931                | 1,621                                      | 84,340                                          | 61,451  | 170,337                                                               | 320,938              | 160,502                               | -----           |
|                                             | 1929                | 2,826                                      | 119,208                                         | 101,670 | 209,027                                                               | 556,542              | 267,514                               | 783,449         |
|                                             | 1927                | 2,355                                      | 119,093                                         | 105,489 | 317,498                                                               | 550,372              | 232,879                               | 779,156         |
|                                             | 1925                | 2,346                                      | 116,599                                         | 101,243 | 325,684                                                               | 552,824              | 227,140                               | 697,998         |
| Mississippi.....                            | 1933                | 746                                        | 27,823                                          | 13,636  | 37,161                                                                | 72,547               | 35,389                                | -----           |
|                                             | 1931                | 904                                        | 28,875                                          | 18,892  | 56,844                                                                | 102,751              | 45,607                                | -----           |
|                                             | 1929                | 1,899                                      | 62,049                                          | 42,173  | 112,918                                                               | 219,975              | 107,057                               | 252,439         |
|                                             | 1927                | 1,333                                      | 50,599                                          | 40,734  | 105,559                                                               | 196,041              | 91,081                                | 214,232         |
|                                             | 1925                | 1,705                                      | 55,171                                          | 41,231  | 103,588                                                               | 200,453              | 96,865                                | 211,601         |
| West South Central:<br>Arkansas.....        | 1933                | 819                                        | 25,955                                          | 14,039  | 44,263                                                                | 81,105               | 36,842                                | -----           |
|                                             | 1931                | 1,005                                      | 26,105                                          | 18,977  | 53,286                                                                | 97,552               | 44,257                                | -----           |
|                                             | 1929                | 1,718                                      | 44,121                                          | 39,442  | 116,324                                                               | 209,270              | 98,947                                | 222,721         |
|                                             | 1927                | 1,140                                      | 40,032                                          | 35,288  | 103,615                                                               | 182,761              | 78,936                                | 183,041         |
|                                             | 1925                | 1,257                                      | 43,977                                          | 37,638  | 110,965                                                               | 195,208              | 84,543                                | 177,011         |
| Louisiana.....                              | 1933                | 1,314                                      | 53,052                                          | 35,643  | 194,051                                                               | 312,175              | 118,125                               | -----           |
|                                             | 1931                | 1,570                                      | 56,564                                          | 47,647  | 249,696                                                               | 378,573              | 128,876                               | -----           |
|                                             | 1929                | 1,950                                      | 86,843                                          | 83,506  | 430,455                                                               | 674,259              | 243,804                               | 479,449         |
|                                             | 1927                | 1,624                                      | 82,415                                          | 78,673  | 427,994                                                               | 638,361              | 210,367                               | 415,582         |
|                                             | 1925                | 1,742                                      | 88,058                                          | 79,763  | 465,428                                                               | 710,050              | 244,624                               | 410,293         |
| Oklahoma.....                               | 1933                | 1,155                                      | 22,504                                          | 20,747  | 125,425                                                               | 191,414              | 65,988                                | -----           |
|                                             | 1931                | 1,304                                      | 22,479                                          | 26,177  | 148,857                                                               | 216,581              | 67,724                                | -----           |
|                                             | 1929                | 1,640                                      | 31,549                                          | 41,152  | 303,483                                                               | 451,011              | 148,428                               | 222,355         |
|                                             | 1927                | 1,373                                      | 27,932                                          | 35,785  | 269,418                                                               | 371,718              | 102,900                               | 186,480         |
|                                             | 1925                | 1,282                                      | 26,333                                          | 34,211  | 301,147                                                               | 403,296              | 102,148                               | 156,826         |

<sup>1</sup> Includes internal-revenue tax paid by tobacco manufacturers amounting to \$239,125,000 for 1931 and \$205,689,000 for 1933.

<sup>2</sup> The "Cost of materials" does not include internal-revenue tax paid by tobacco manufacturers and the "Value added by manufacture" for these years is, therefore, overstated by the amount of such tax.

**No. 776.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED:  
BY GEOGRAPHIC DIVISIONS AND STATES—Continued**

| Division and State                | Cen-<br>sus<br>year | Num-<br>ber<br>of estab-<br>lish-<br>ments | Wage<br>earners<br>(average<br>for the<br>year) | Wages   | Cost of<br>materials,<br>fuel, and<br>purchased<br>electric<br>energy | Value of<br>products | Value<br>added by<br>manufac-<br>ture | Horse-<br>power |
|-----------------------------------|---------------------|--------------------------------------------|-------------------------------------------------|---------|-----------------------------------------------------------------------|----------------------|---------------------------------------|-----------------|
|                                   |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
| In thousands of dollars           |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
| West South Central—<br>Continued. |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
| Texas.....                        | 1933                | 3,048                                      | 91,374                                          | 73,427  | 449,445                                                               | 686,752              | 237,307                               | -----           |
|                                   | 1931                | 4,251                                      | 93,605                                          | 98,372  | 563,618                                                               | 832,683              | 269,066                               | -----           |
|                                   | 1929                | 5,112                                      | 132,293                                         | 150,907 | 973,097                                                               | 1,427,022            | 453,025                               | 819,546         |
|                                   | 1927                | 4,065                                      | 116,763                                         | 130,409 | 842,927                                                               | 1,208,580            | 363,053                               | 635,456         |
|                                   | 1925                | 3,606                                      | 106,702                                         | 116,353 | 845,144                                                               | 1,237,952            | 392,809                               | 572,708         |
| Mountain:                         |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
| Montana.....                      | 1933                | 386                                        | 8,244                                           | 8,800   | 54,314                                                                | 75,058               | 20,744                                | -----           |
|                                   | 1931                | 471                                        | 9,582                                           | 12,668  | 73,669                                                                | 103,573              | 29,909                                | -----           |
|                                   | 1929                | 585                                        | 14,800                                          | 24,202  | 209,645                                                               | 270,826              | 61,181                                | 197,731         |
|                                   | 1927                | 565                                        | 14,242                                          | 20,616  | 151,702                                                               | 203,503              | 51,712                                | 183,390         |
|                                   | 1925                | 606                                        | 14,777                                          | 21,078  | 146,361                                                               | 205,474              | 50,123                                | 160,528         |
| Idaho.....                        | 1933                | 347                                        | 7,682                                           | 7,082   | 27,093                                                                | 45,065               | 17,971                                | -----           |
|                                   | 1931                | 436                                        | 9,300                                           | 11,272  | 32,788                                                                | 55,722               | 22,934                                | -----           |
|                                   | 1929                | 550                                        | 15,644                                          | 22,446  | 51,751                                                                | 96,198               | 44,448                                | 105,702         |
|                                   | 1927                | 470                                        | 13,513                                          | 18,971  | 47,927                                                                | 86,256               | 38,329                                | 89,630          |
|                                   | 1925                | 490                                        | 15,704                                          | 20,709  | 53,162                                                                | 96,900               | 43,838                                | 82,552          |
| Wyoming.....                      | 1933                | 160                                        | 3,833                                           | 5,005   | 26,484                                                                | 35,205               | 8,720                                 | -----           |
|                                   | 1931                | 205                                        | 4,808                                           | 7,879   | 37,256                                                                | 52,744               | 15,488                                | -----           |
|                                   | 1929                | 248                                        | 6,258                                           | 10,255  | 62,720                                                                | 90,348               | 33,628                                | 46,677          |
|                                   | 1927                | 229                                        | 5,577                                           | 9,066   | 63,741                                                                | 85,368               | 21,627                                | 40,191          |
|                                   | 1925                | 224                                        | 6,338                                           | 10,520  | 76,073                                                                | 107,985              | 31,911                                | 28,721          |
| Colorado.....                     | 1933                | 1,097                                      | 21,287                                          | 20,090  | 74,332                                                                | 135,868              | 01,537                                | -----           |
|                                   | 1931                | 1,346                                      | 24,703                                          | 29,540  | 105,849                                                               | 181,427              | 75,578                                | -----           |
|                                   | 1929                | 1,534                                      | 32,767                                          | 43,603  | 180,967                                                               | 302,389              | 121,422                               | 233,162         |
|                                   | 1927                | 1,483                                      | 32,001                                          | 43,194  | 173,277                                                               | 278,221              | 104,944                               | 264,630         |
|                                   | 1925                | 1,416                                      | 31,967                                          | 43,008  | 171,102                                                               | 278,778              | 107,686                               | 219,665         |
| New Mexico.....                   | 1933                | 160                                        | 2,996                                           | 2,333   | 4,843                                                                 | 9,530                | 4,737                                 | -----           |
|                                   | 1931                | 196                                        | 2,842                                           | 3,575   | 6,971                                                                 | 13,269               | 6,298                                 | -----           |
|                                   | 1929                | 250                                        | 4,476                                           | 5,605   | 10,419                                                                | 21,697               | 11,275                                | 23,147          |
|                                   | 1927                | 200                                        | 4,663                                           | 5,421   | 10,060                                                                | 20,183               | 10,127                                | 21,467          |
|                                   | 1925                | 200                                        | 4,620                                           | 5,083   | 9,084                                                                 | 19,460               | 9,774                                 | 18,842          |
| Arizona.....                      | 1933                | 223                                        | 4,181                                           | 4,153   | 16,087                                                                | 28,574               | 12,487                                | -----           |
|                                   | 1931                | 292                                        | 6,295                                           | 8,011   | 37,064                                                                | 63,075               | 25,121                                | -----           |
|                                   | 1929                | 346                                        | 10,550                                          | 15,075  | 167,714                                                               | 200,002              | 32,289                                | 180,637         |
|                                   | 1927                | 300                                        | 8,967                                           | 12,133  | 77,709                                                                | 117,624              | 39,826                                | 100,641         |
|                                   | 1925                | 294                                        | 9,127                                           | 11,606  | 92,271                                                                | 138,781              | 46,511                                | 102,127         |
| Utah.....                         | 1933                | 440                                        | 10,213                                          | 9,299   | 49,363                                                                | 80,908               | 31,005                                | -----           |
|                                   | 1931                | 573                                        | 10,747                                          | 12,498  | 63,078                                                                | 95,781               | 32,103                                | -----           |
|                                   | 1929                | 648                                        | 15,589                                          | 19,683  | 167,622                                                               | 214,266              | 56,644                                | 123,695         |
|                                   | 1927                | 580                                        | 13,586                                          | 16,689  | 120,567                                                               | 163,118              | 42,551                                | 112,233         |
|                                   | 1925                | 517                                        | 15,077                                          | 18,200  | 127,543                                                               | 177,225              | 49,081                                | 124,785         |
| Nevada.....                       | 1933                | 86                                         | 1,417                                           | 1,703   | 5,254                                                                 | 9,172                | 3,918                                 | -----           |
|                                   | 1931                | 108                                        | 1,562                                           | 2,516   | 7,057                                                                 | 10,891               | 3,835                                 | -----           |
|                                   | 1929                | 123                                        | 2,200                                           | 3,585   | 25,652                                                                | 33,717               | 8,005                                 | 27,197          |
|                                   | 1927                | 116                                        | 2,419                                           | 3,915   | 19,440                                                                | 26,816               | 12,375                                | 21,974          |
|                                   | 1925                | 102                                        | 2,670                                           | 4,474   | 12,084                                                                | 21,627               | 9,542                                 | 14,094          |
| Pacific:                          |                     |                                            |                                                 |         |                                                                       |                      |                                       |                 |
| Washington.....                   | 1933                | 2,307                                      | 67,752                                          | 62,117  | 170,613                                                               | 331,225              | 160,612                               | -----           |
|                                   | 1931                | 2,877                                      | 70,840                                          | 83,691  | 221,273                                                               | 414,742              | 193,469                               | -----           |
|                                   | 1929                | 3,648                                      | 114,635                                         | 140,415 | 424,161                                                               | 789,503              | 365,348                               | 814,341         |
|                                   | 1927                | 3,344                                      | 104,468                                         | 145,931 | 389,885                                                               | 677,014              | 288,029                               | 680,408         |
|                                   | 1925                | 3,216                                      | 105,893                                         | 146,225 | 372,759                                                               | 659,540              | 286,581                               | 748,110         |
| Oregon.....                       | 1933                | 1,358                                      | 41,052                                          | 34,787  | 87,570                                                                | 174,124              | 86,553                                | -----           |
|                                   | 1931                | 1,609                                      | 42,180                                          | 47,411  | 118,881                                                               | 229,097              | 110,216                               | -----           |
|                                   | 1929                | 2,450                                      | 65,390                                          | 86,728  | 202,483                                                               | 408,160              | 205,676                               | 417,737         |
|                                   | 1927                | 1,779                                      | 57,179                                          | 75,717  | 187,771                                                               | 342,852              | 155,081                               | 339,511         |
|                                   | 1925                | 1,908                                      | 50,579                                          | 78,209  | 193,609                                                               | 352,040              | 159,340                               | 387,749         |
| California <sup>4</sup> .....     | 1933                | 8,420                                      | 191,861                                         | 191,888 | 878,800                                                               | 1,488,181            | 609,381                               | -----           |
|                                   | 1931                | 9,036                                      | 203,491                                         | 264,222 | 1,053,625                                                             | 1,816,990            | 763,385                               | -----           |
|                                   | 1929                | 11,893                                     | 289,550                                         | 421,470 | 1,709,479                                                             | 3,044,297            | 1,337,818                             | 1,562,481       |
|                                   | 1927                | 10,066                                     | 262,816                                         | 378,321 | 1,504,655                                                             | 2,593,247            | 1,088,592                             | 1,330,995       |
|                                   | 1925                | 9,638                                      | 249,552                                         | 350,835 | 1,474,887                                                             | 2,442,952            | 998,065                               | 1,333,110       |

<sup>4</sup> Data for the motion-picture industry, removed from the manufactures-census classification beginning 1931, are included for the earlier years as follows: Establishments, 1925, 72; 1927, 78; 1929, 58; wage earners, 1925, 3,722; 1927, 4,614; 1929, 8,052; wages, 1925, \$3,784,000; 1927, \$15,514,000; 1929, \$19,553,000; cost of materials, etc., 1925, \$16,477,000; 1927, \$21,620,000; 1929, \$25,499,000; value of products (cost of production), 1925, \$62,821,000; 1927, \$101,045,000; 1929, \$129,391,000; value added by manufacture, 1925, \$46,344,000; 1927, \$79,424,000; 1929, \$103,892,000; horsepower, 1925, 21,372; 1927, 27,906; 1929, 45,059. California is the only State in which this industry contributed more than a fraction of 1 percent of the total value of products. For complete statistics for the motion picture production industry, see table 806, p. 748.

<sup>5</sup> Source: Bureau of the Census, Department of Commerce.

## No. 777.—MANUFACTURES FOR INDUSTRIAL AREAS

NOTE.—The term industrial area signifies an area having as its nucleus an important manufacturing city and comprising the county in which the city is located, together with any adjoining county or counties in which there is great concentration of manufacturing industry. The industrial areas by constituent counties are as follows: Akron area—Summit County; Albany-Schenectady-Troy area—Albany, Rensselaer, and Schenectady Counties; Allentown-Bethlehem area—Lehigh and Northampton Counties; Baltimore area—Baltimore County; Boston area—Essex, Middlesex, Norfolk, and Suffolk Counties; Bridgeport-New Haven-Waterbury area—Fairfield and New Haven Counties; Buffalo area—Erie and Niagara Counties; Chicago area—Cook, Du Page, Kane, Lake, and Will Counties, Ill., and Lake County, Ind.; Cincinnati area—Butler and Hamilton Counties, Ohio, and Campbell and Kenton Counties, Ky.; Cleveland area—Cuyahoga and Lorain Counties; Dayton area—Montgomery County; Detroit area—Oakland and Wayne Counties; Hartford area—Hartford County, Indianapolis area—Marion County; Kansas City area—Clay and Jackson Counties, Mo., and Wyandotte County, Kans.; Los Angeles area—Los Angeles County; Milwaukee area—Kenosha, Milwaukee, and Racine Counties; Minneapolis-St. Paul area—Dakota, Hennepin, and Ramsey Counties; New York City area—Bronx, Kings, New York, Queens, Richmond, and Westchester Counties, N. Y., and Bergen, Essex, Hudson, Middlesex, Passaic, and Union Counties, N. J.; Philadelphia area—Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pa., and Burlington, Camden, and Gloucester Counties, N. J.; Pittsburgh area—Allegheny, Beaver, Washington, and Westmoreland Counties; Providence-Fall River-New Bedford area—Providence County, R. I., and Bristol County, Mass.; Reading area—Berks County; Rochester area—Monroe County; St. Louis area—St. Louis City and St. Louis County, Mo.; and Madison and St. Clair Counties, Ill.; San Francisco-Oakland area—Alameda, Contra Costa, Marin, San Francisco, and San Mateo Counties; Scranton-Wilkes-Barre area—Lackawanna and Luzerne Counties; Seattle-Tacoma area—King and Pierce Counties; Springfield-Holyoke area—Hamden County; Toledo area—Lucas County; Wheeling area—Brooke, Hancock, and Ohio Counties, W. Va., and Belmont, Columbiana, and Jefferson Counties, Ohio; Worcester area—Worcester County; Youngstown area—Mahoning and Trumbull Counties, Ohio, and Lawrence and Mercer Counties, Pa.

[All figures except number of wage earners in thousands of dollars]

| Area                                        | Wage earners<br>(average for the<br>year) |           | Wages     |           | Value of<br>products |            | Value added by<br>manufacture |            |
|---------------------------------------------|-------------------------------------------|-----------|-----------|-----------|----------------------|------------|-------------------------------|------------|
|                                             | 1931                                      | 1933      | 1931      | 1933      | 1931                 | 1933       | 1931                          | 1933       |
| United States.....                          | 6,506,701                                 | 6,055,736 | 7,173,232 | 5,261,576 | 41,038,402           | 31,358,540 | 19,357,648                    | 14,538,018 |
| Total for areas.....                        | 3,680,873                                 | 3,296,268 | 4,456,065 | 3,190,810 | 26,338,031           | 18,437,586 | 12,405,051                    | 8,993,189  |
| Akron area.....                             | 42,987                                    | 43,921    | 55,083    | 46,962    | 325,052              | 236,627    | 190,282                       | 135,867    |
| Albany-Schenectady-Troy area.....           | 45,023                                    | 34,000    | 52,474    | 31,961    | 199,062              | 144,619    | 113,391                       | 78,827     |
| Allentown-Bethlehem area.....               | 44,802                                    | 42,230    | 45,579    | 29,914    | 209,587              | 140,419    | 102,002                       | 71,563     |
| Baltimore area.....                         | 81,400                                    | 72,634    | 86,558    | 63,024    | 553,545              | 419,870    | 244,690                       | 187,782    |
| Boston area.....                            | 227,636                                   | 203,064   | 263,581   | 190,852   | 1,297,639            | 993,233    | 674,154                       | 511,487    |
| Bridgeport-New Haven-Waterbury area.....    | 102,024                                   | 97,748    | 108,452   | 85,376    | 463,237              | 366,600    | 269,171                       | 201,594    |
| Buffalo area.....                           | 78,551                                    | 69,744    | 99,800    | 71,281    | 678,470              | 510,055    | 301,045                       | 228,674    |
| Chicago area.....                           | 381,588                                   | 332,862   | 499,134   | 341,564   | 3,062,728            | 2,186,230  | 1,471,613                     | 1,014,555  |
| Cincinnati area.....                        | 79,937                                    | 68,257    | 93,425    | 64,608    | 538,783              | 396,242    | 245,475                       | 176,489    |
| Cleveland area.....                         | 121,770                                   | 113,611   | 146,116   | 107,798   | 758,574              | 563,767    | 374,649                       | 272,254    |
| Dayton area.....                            | 31,708                                    | 29,739    | 38,504    | 29,445    | 211,960              | 142,554    | 137,713                       | 94,955     |
| Detroit area.....                           | 209,075                                   | 202,950   | 276,207   | 218,715   | 1,553,995            | 1,344,856  | 766,205                       | 580,645    |
| Hartford area.....                          | 48,498                                    | 43,879    | 50,974    | 37,984    | 183,330              | 138,210    | 117,932                       | 88,830     |
| Indianapolis area.....                      | 35,266                                    | 31,286    | 38,878    | 28,466    | 242,081              | 168,140    | 117,391                       | 87,737     |
| Kansas City (Missouri and Kansas) area..... | 37,261                                    | 33,048    | 44,673    | 32,679    | 369,031              | 323,350    | 132,041                       | 103,265    |
| Los Angeles area.....                       | 78,410                                    | 70,631    | 102,778   | 70,847    | 700,177              | 538,171    | 308,985                       | 220,656    |
| Milwaukee area.....                         | 95,952                                    | 80,041    | 103,046   | 72,086    | 577,401              | 383,687    | 283,960                       | 195,416    |
| Minneapolis-St. Paul area.....              | 52,186                                    | 42,991    | 61,123    | 40,481    | 437,713              | 309,974    | 183,554                       | 138,488    |
| New York City area.....                     | 713,660                                   | 620,814   | 978,973   | 665,160   | 6,113,584            | 4,284,826  | 3,126,505                     | 2,168,049  |
| Philadelphia area.....                      | 293,080                                   | 261,699   | 339,844   | 248,138   | 1,865,832            | 1,307,414  | 934,165                       | 689,237    |
| Pittsburgh area.....                        | 168,968                                   | 143,421   | 192,235   | 126,944   | 926,745              | 654,017    | 403,198                       | 270,031    |
| Providence-Fall River-New Bedford area..... | 142,004                                   | 136,048   | 135,937   | 108,500   | 536,322              | 446,069    | 280,229                       | 227,020    |
| Reading area.....                           | 38,724                                    | 35,745    | 38,285    | 27,848    | 128,564              | 94,142     | 70,330                        | 52,206     |
| Rochester area.....                         | 47,081                                    | 37,864    | 54,501    | 36,384    | 268,344              | 176,322    | 173,899                       | 114,389    |
| St. Louis area.....                         | 116,073                                   | 102,354   | 126,888   | 82,398    | 881,096              | 664,584    | 374,866                       | 294,473    |
| San Francisco-Oakland area.....             | 60,923                                    | 66,313    | 95,058    | 71,109    | 734,475              | 598,291    | 290,643                       | 232,029    |
| Scranton-Wilkes-Barre area.....             | 35,816                                    | 35,030    | 30,778    | 24,821    | 119,690              | 96,879     | 65,723                        | 53,537     |
| Seattle-Tacoma area.....                    | 30,661                                    | 28,386    | 37,768    | 26,836    | 200,307              | 148,079    | 87,428                        | 68,959     |
| Springfield-Holyoke area.....               | 39,042                                    | 34,824    | 44,205    | 31,782    | 199,160              | 141,170    | 118,526                       | 77,828     |
| Toledo area.....                            | 31,779                                    | 29,667    | 35,933    | 26,252    | 207,791              | 161,721    | 92,338                        | 69,619     |
| Wheeling area.....                          | 34,339                                    | 38,132    | 44,501    | 36,794    | 199,267              | 169,898    | 86,557                        | 67,242     |
| Worcester area.....                         | 65,100                                    | 63,623    | 69,157    | 55,800    | 278,892              | 228,961    | 149,707                       | 122,282    |
| Youngstown area.....                        | 50,329                                    | 54,322    | 65,535    | 48,042    | 341,666              | 278,519    | 128,865                       | 97,812     |

Source: Bureau of the Census, Department of Commerce.

## No. 778.—INDEXES OF INDUSTRIAL PRODUCTION

NOTE.—Monthly average, 1923-25=100. The manufactures index covers 49 industries and the minerals index 8, prior to 1932. Indexes for 1932 to 1936 exclude copper (mined and smelted) and for 1935 and 1936 also lumber cut, data for which are not available for those years, and are, therefore, not strictly comparable with figures for earlier years. The monthly indexes in this table and those in table 779 have been adjusted for seasonal variations and for the number of working days in the month

| Year | Total | Manufactures | Minerals | Year and month | Total | Manufactures | Minerals | Year and month | Total | Manufactures | Minerals |
|------|-------|--------------|----------|----------------|-------|--------------|----------|----------------|-------|--------------|----------|
| 1919 | 83    | 84           | 77       | 1934:          |       |              |          | 1935—Contd.    |       |              |          |
| 1920 | 87    | 87           | 89       | January        | 78    | 76           | 88       | April          | 86    | 86           | 87       |
| 1921 | 87    | 87           | 70       | February       | 81    | 80           | 102      | May            | 85    | 84           | 89       |
| 1922 | 85    | 80           | 74       | March          | 84    | 82           | 100      | June           | 86    | 84           | 98       |
| 1923 | 101   | 101          | 105      | April          | 86    | 85           | 90       | July           | 86    | 80           | 84       |
| 1924 | 95    | 94           | 96       | May            | 86    | 86           | 87       | August         | 87    | 85           | 81       |
| 1925 | 104   | 105          | 89       | June           | 84    | 83           | 87       | September      | 90    | 91           | 87       |
| 1926 | 108   | 108          | 108      | July           | 76    | 74           | 84       | October        | 95    | 95           | 93       |
| 1927 | 106   | 106          | 107      | August         | 73    | 69           | 82       | November       | 87    | 93           | 92       |
| 1928 | 111   | 112          | 106      | September      | 74    | 72           | 81       | December       | 104   | 104          | 101      |
| 1929 | 119   | 119          | 115      | October        | 74    | 72           | 81       | 1936:          |       |              |          |
| 1930 | 96    | 95           | 89       | November       | 75    | 74           | 81       | January        | 98    | 97           | 103      |
| 1931 | 81    | 80           | 84       | December       | 80    | 85           | 90       | February       | 94    | 91           | 110      |
| 1932 | 64    | 63           | 81       | 1935:          |       |              |          | March          | 93    | 83           | 85       |
| 1933 | 76    | 75           | 82       | January        | 91    | 90           | 94       | April          | 100   | 99           | 105      |
| 1934 | 79    | 78           | 86       | February       | 89    | 88           | 96       | May            | 101   | 100          | 101      |
| 1935 | 90    | 90           | 91       | March          | 88    | 86           | 97       | June           | 103   | 104          | 99       |

## No. 779.—MANUFACTURING PRODUCTION: INDEXES FOR SELECTED GROUPS OF INDUSTRIES

NOTE.—Monthly average, 1923-25=100. See headnote, table 778. In computing the indexes, the individual products and industries have been weighted in accordance with their relative importance

| Year and month | Total | Iron and steel | Textiles | Food products | News-print production | Lumber cut | Automobiles | Leather products | Cement | Plate glass | Petroleum refining | Rubber tires and tubes | Tobacco products |
|----------------|-------|----------------|----------|---------------|-----------------------|------------|-------------|------------------|--------|-------------|--------------------|------------------------|------------------|
| 1919           | 84    | 82             | 92       | 94            | 92                    | 84         | 50          | 104              | 54     | (?)         | 54                 | (?)                    | 82               |
| 1920           | 87    | 90             | 84       | 84            | 101                   | 86         | 58          | 87               | 67     | (?)         | 84                 | (?)                    | 87               |
| 1921           | 87    | 46             | 87       | 83            | 82                    | 72         | 41          | 60               | 66     | (?)         | 84                 | 55                     | 85               |
| 1922           | 89    | 82             | 99       | 94            | 97                    | 87         | 66          | 102              | 70     | (?)         | 74                 | 77                     | 89               |
| 1923           | 161   | 105            | 105      | 99            | 99                    | 101        | 102         | 108              | 92     | 90          | 80                 | 86                     | 96               |
| 1924           | 94    | 89             | 91       | 103           | 98                    | 98         | 91          | 86               | 100    | 92          | 99                 | 98                     | 90               |
| 1925           | 105   | 106            | 104      | 98            | 103                   | 101        | 107         | 87               | 108    | 118         | 115                | 116                    | 105              |
| 1926           | 108   | 113            | 104      | 97            | 112                   | 98         | 108         | 99               | 110    | 130         | 127                | 116                    | 112              |
| 1927           | 106   | 104            | 113      | 96            | 99                    | 92         | 86          | 103              | 115    | 112         | 130                | 120                    | 113              |
| 1928           | 112   | 119            | 107      | 98            | 94                    | 91         | 110         | 102              | 113    | 132         | 152                | 144                    | 124              |
| 1929           | 119   | 130            | 115      | 97            | 93                    | 91         | 135         | 104              | 114    | 152         | 168                | 135                    | 134              |
| 1930           | 95    | 94             | 91       | 93            | 86                    | 94         | 85          | 82               | 108    | 107         | 101                | 100                    | 131              |
| 1931           | 80    | 90             | 94       | 90            | 78                    | 41         | 90          | 90               | 84     | 88          | 155                | 96                     | 123              |
| 1932           | 93    | 31             | 83       | 87            | 68                    | 26         | 35          | 85               | 51     | 53          | 140                | 78                     | 111              |
| 1933           | 75    | 53             | 97       | 82            | 63                    | 32         | 48          | 97               | 43     | 91          | 145                | 88                     | 116              |
| 1934           | 73    | 60             | 85       | 99            | 64                    | 32         | 69          | 100              | 52     | 94          | 151                | 92                     | 128              |
| 1935           | 90    | 79             | 104      | 79            | 61                    | (?)        | 99          | 100              | 51     | 181         | 164                | 97                     | 136              |
| 1935           |       |                |          |               |                       |            |             |                  |        |             |                    |                        |                  |
| January        | 90    | 80             | 103      | 92            | 61                    | 33         | 103         | 108              | 42     | 174         | 151                | 115                    | 136              |
| February       | 88    | 80             | 100      | 81            | 61                    | 30         | 102         | 110              | 45     | 166         | 165                | 101                    | 135              |
| March          | 86    | 72             | 99       | 77            | 59                    | (?)        | 105         | 110              | 47     | 183         | 153                | 93                     | 130              |
| April          | 86    | 67             | 98       | 80            | 59                    | (?)        | 104         | 115              | 51     | 185         | 153                | 88                     | 135              |
| May            | 84    | 66             | 102      | 78            | 64                    | (?)        | 85          | 114              | 55     | 155         | 100                | 75                     | 134              |
| June           | 84    | 66             | 100      | 74            | 63                    | (?)        | 99          | 104              | 58     | 162         | 106                | 79                     | 138              |
| July           | 86    | 69             | 106      | 74            | 60                    | (?)        | 94          | 109              | 52     | 169         | 168                | 83                     | 140              |
| August         | 88    | 81             | 104      | 74            | 58                    | (?)        | 77          | 105              | 44     | 167         | 169                | 82                     | 130              |
| September      | 91    | 83             | 106      | 78            | 62                    | (?)        | 69          | 104              | 47     | 179         | 172                | 102                    | 129              |
| October        | 95    | 88             | 113      | 83            | 61                    | (?)        | 63          | 105              | 52     | 193         | 176                | 104                    | 138              |
| November       | 98    | 96             | 106      | 82            | 64                    | (?)        | 14          | 109              | 59     | 200         | 176                | 133                    | 137              |
| December       | 104   | 103            | 111      | 83            | 63                    | (?)        | 125         | 124              | 69     | 209         | 173                | 142                    | 147              |
| 1936           |       |                |          |               |                       |            |             |                  |        |             |                    |                        |                  |
| January        | 97    | 86             | 105      | 92            | 60                    | (?)        | 110         | 118              | 47     | 225         | 169                | 116                    | 148              |
| February       | 91    | 82             | 102      | 84            | 60                    | (?)        | 90          | 111              | 49     | 161         | 172                | 82                     | 148              |
| March          | 93    | 83             | 100      | 87            | 62                    | (?)        | 109         | 107              | 58     | 178         | 168                | 77                     | 140              |
| April          | 99    | 100            | 100      | 90            | 60                    | (?)        | 124         | 110              | 71     | 211         | 178                | 96                     | 152              |
| May            | 100   | 105            | 100      | 84            | 59                    | (?)        | 118         | 112              | 74     | 212         | 180                | 96                     | 145              |
| June           | 104   | 113            | 107      | 85            | 62                    | (?)        | 118         | 102              | 74     | 192         | 181                | 107                    | 147              |

\* Includes industries not shown separately in this table. See also headnote, table 778.

† Comparable data not available.

Source of tables 778 and 779: Board of Governors of the Federal Reserve System.

## No. 780.—TEXTILE MANUFACTURES: PRODUCTION

NOTE.—In general, most of the articles listed are finished products, but large quantities of partly finished products, especially yarn, made for sale to other establishments of the same or other branches of the textile industry are included. This involves considerable duplication in total value of products and in cost of materials

| Product                                                  | Unit           | Quantity (thousands of unit specified) |             |             | Value (thousands of dollars) |          |          |
|----------------------------------------------------------|----------------|----------------------------------------|-------------|-------------|------------------------------|----------|----------|
|                                                          |                | 1920                                   | 1921        | 1922        | 1920                         | 1921     | 1922     |
| COTTON GOODS AND SMALL WARES                             |                |                                        |             |             |                              |          |          |
| Total value.....                                         |                |                                        |             |             | 1, 579, 792                  | 852, 811 | 908, 018 |
| Sheetings.....                                           | Sq. yard       | 1, 693, 167                            | 1, 359, 886 | 1, 680, 323 | 146, 181                     | 76, 906  | 98, 875  |
| Print cloth.....                                         | do             | 1, 703, 025                            | 1, 686, 339 | 1, 709, 960 | 121, 423                     | 74, 505  | 79, 996  |
| Voiles.....                                              | do             | 157, 449                               | 124, 364    | 77, 901     | 13, 407                      | 8, 201   | 4, 989   |
| Lawns, nainsooks, cambrics, and similar muslins.....     | do             | 220, 554                               | 181, 897    | 295, 441    | 25, 419                      | 15, 080  | 19, 058  |
| Reps, poplins, and broadcloths.....                      | do             | 808, 620                               | 357, 465    | 450, 328    | 40, 555                      | 31, 815  | 35, 942  |
| Pajama checks, dimities, and similar fabrics.....        | do             | 122, 109                               | 37, 803     | 55, 389     | 13, 085                      | 2, 362   | 3, 809   |
| Tobacco, cheese, butter, bunting and bandage cloths..... | do             | 617, 411                               | 587, 147    | 634, 499    | 18, 100                      | 9, 776   | 11, 000  |
| Ginghams.....                                            | do             | 147, 120                               | 56, 313     | 69, 569     | 17, 717                      | 4, 611   | 6, 263   |
| Shirtings.....                                           | do             | 817, 046                               | 273, 178    | 278, 349    | 45, 771                      | 24, 350  | 25, 236  |
| Drills.....                                              | do             | 324, 041                               | 184, 646    | 191, 987    | 39, 701                      | 15, 132  | 15, 262  |
| Twills and sateens.....                                  | do             | 284, 117                               | 201, 434    | 274, 153    | 37, 441                      | 16, 774  | 23, 168  |
| Denims.....                                              | do             | 249, 891                               | 202, 111    | 268, 788    | 49, 256                      | 25, 277  | 33, 970  |
| Tickings.....                                            | do             | 42, 411                                | 32, 416     | 47, 285     | 9, 280                       | 3, 908   | 6, 358   |
| Osnaburgs.....                                           | do             | 145, 745                               | 109, 081    | 130, 887    | 18, 210                      | 8, 059   | 9, 209   |
| Napped fabrics.....                                      | do             | 323, 140                               | 288, 078    | 377, 791    | 48, 320                      | 27, 017  | 34, 072  |
| Cottonades and cotton worsteds.....                      | do             | 34, 838                                | 44, 968     | 57, 892     | 8, 357                       | 8, 843   | 9, 296   |
| Tire duck.....                                           | do             | 22, 277                                | 15, 915     | 12, 273     | 6, 846                       | 3, 279   | 2, 498   |
| Ducks (except tire).....                                 | do             | 223, 926                               | 186, 677    | 162, 249    | 64, 184                      | 24, 756  | 28, 281  |
| Tire fabrics (except tire duck).....                     | Pound          | 233, 129                               | 123, 561    | 107, 327    | 104, 875                     | 37, 971  | 29, 256  |
| Tapestries.....                                          | Sq. yard       | 9, 810                                 | 6, 188      | 8, 975      | 12, 995                      | 7, 242   | 4, 791   |
| Plushes, velvets, velveteens.....                        | do             | 52, 898                                | 23, 794     | 18, 196     | 40, 946                      | 15, 898  | 10, 200  |
| Corduroys.....                                           | do             | 27, 184                                | 15, 702     | 24, 625     | 9, 501                       | 3, 982   | 6, 484   |
| Towels, towelings, and washcloths.....                   | do             | 169, 694                               | 158, 378    | 149, 933    | 33, 037                      | 24, 108  | 22, 487  |
| Cotton table damask.....                                 | do             | 35, 868                                | 20, 524     | 15, 818     | 8, 383                       | 3, 651   | 2, 837   |
| Blankets.....                                            | do             | 94, 061                                | 71, 989     | 103, 165    | 25, 392                      | 12, 721  | 16, 099  |
| Bedspreads and quilts.....                               | do             | 52, 902                                | 55, 927     | 50, 472     | 16, 396                      | 8, 643   | 6, 360   |
| Bags made from fabric woven by establishment.....        | do             | 10, 486                                | 8, 400      | (1)         | 2, 032                       | 712      | (1)      |
| Small wares.....                                         |                |                                        |             |             | 65, 494                      | 40, 303  | 38, 109  |
| Yarns for sale.....                                      | Pound          | 647, 725                               | 414, 463    | 498, 496    | 263, 349                     | 111, 873 | 130, 854 |
| Thread.....                                              | do             | 25, 250                                | 19, 579     | 27, 755     | 37, 100                      | 29, 153  | 30, 372  |
| Batting, wadding, and mattress felts.....                | do             | 149, 481                               | 114, 324    | 93, 898     | 19, 407                      | 12, 241  | 8, 866   |
| Cotton waste for sale.....                               | do             | 443, 916                               | 316, 808    | 361, 031    | 32, 670                      | 10, 641  | 12, 770  |
| Other cotton products.....                               |                |                                        |             |             | 195, 052                     | 153, 021 | 142, 250 |
| LACE GOODS                                               |                |                                        |             |             |                              |          |          |
| Total value.....                                         |                |                                        |             |             | 27, 931                      | 17, 086  | (2)      |
| Nottingham lace curtains.....                            | Pair.....      | 6, 113                                 | 4, 518      | (2)         | 11, 250                      | 6, 808   | (2)      |
| Nottingham lace curtain nets.....                        | Lin. yard..... | 14, 313                                | 6, 282      | (2)         | 4, 675                       | 1, 831   | (2)      |
| Levers laces.....                                        |                |                                        |             |             | 8, 756                       | 7, 805   | (2)      |
| Other lace products.....                                 |                |                                        |             |             | 3, 250                       | 1, 083   | (2)      |
| KNIT GOODS                                               |                |                                        |             |             |                              |          |          |
| Total value.....                                         |                |                                        |             |             | 881, 176                     | 573, 630 | 487, 403 |
| Hosiery, except infants'.....                            | Doz. pair      | 111, 191                               | 96, 204     | 98, 596     | 500, 382                     | 313, 922 | 251, 147 |
| Infants' hose.....                                       | do             | 6, 175                                 | 5, 529      | 6, 143      | 11, 244                      | 7, 689   | 8, 076   |
| Shirts and drawers.....                                  | Dozen          | 8, 802                                 | 7, 959      | 10, 414     | 37, 670                      | 26, 258  | 25, 780  |
| Union suits.....                                         | do             | 8, 891                                 | 6, 888      | 8, 168      | 70, 837                      | 40, 452  | 39, 336  |
| Bathing suits.....                                       | do             | 1, 021                                 | 963         | 833         | 22, 084                      | 12, 856  | 11, 349  |
| Sweaters, sweater coats, jerseys, etc.....               | do             | 4, 807                                 | 4, 032      | 4, 999      | 89, 429                      | 56, 077  | 47, 962  |
| Headwear, except infants'.....                           | do             | 738                                    | 1, 078      | 1, 147      | 3, 788                       | 3, 279   | 3, 477   |
| Neckties.....                                            | do             | 628                                    | 181         | 56          | 1, 717                       | 327      | 219      |
| Dresses and suits.....                                   | Number         | 1, 023                                 | 2, 906      | 2, 998      | 11, 160                      | 20, 689  | 15, 406  |
| Jersey cloth and tricollette.....                        | Sq. yard       | 75, 621                                | 108, 340    | 31, 204     | 45, 375                      | 31, 523  | 23, 370  |
| Glove and shoe linings.....                              |                |                                        |             |             | 4, 555                       | 1, 053   | 1, 223   |
| Other knit products.....                                 |                |                                        |             |             | 82, 840                      | 60, 600  | 61, 060  |

For footnotes, see p. 760.

## No. 780.—TEXTILE MANUFACTURES: PRODUCTION—Continued

| Product                                                      | Unit          | Quantity (thousands of unit specified) |          |          | Value (thousands of dollars) |          |          |
|--------------------------------------------------------------|---------------|----------------------------------------|----------|----------|------------------------------|----------|----------|
|                                                              |               | 1929                                   | 1931     | 1933     | 1929                         | 1931     | 1933     |
| <b>SILK AND RAYON GOODS</b>                                  |               |                                        |          |          |                              |          |          |
| Total value.....                                             |               |                                        |          |          | 737, 759                     | 422, 457 | 258, 089 |
| Broad goods.....                                             | Sq. yard..... | 597, 114                               | 566, 864 | 558, 881 | 488, 208                     | 281, 617 | 184, 503 |
| All silk.....                                                | do.....       | 424, 607                               | 386, 294 | 201, 438 | 385, 773                     | 209, 838 | 77, 112  |
| All rayon.....                                               | do.....       | 66, 024                                | 109, 390 | 272, 822 | 34, 738                      | 38, 401  | 78, 799  |
| Rayon and cotton mixed.....                                  | do.....       | 37, 241                                | 41, 077  | 46, 955  | 16, 616                      | 12, 219  | 11, 574  |
| Other.....                                                   | do.....       | 69, 242                                | 30, 108  | 37, 666  | 51, 080                      | 21, 159  | 17, 078  |
| Velvets.....                                                 | do.....       | 9, 651                                 | 7, 346   | 7, 857   | 25, 112                      | 12, 233  | 8, 684   |
| Plushes.....                                                 | do.....       | 1, 957                                 | 1, 879   | 1, 061   | 3, 830                       | 2, 091   | 764      |
| Upholstery and tapestry.....                                 | do.....       | 3, 403                                 | 3, 834   | 2, 866   | 6, 122                       | 2, 586   | 1, 064   |
| Organzine, tram, and crepe twist for sale.....               | Pound.....    | 12, 121                                | 9, 763   | 7, 544   | 69, 740                      | 32, 177  | 10, 998  |
| Spun silk for sale.....                                      | do.....       | 3, 769                                 | 1, 914   | 1, 080   | 12, 916                      | 5, 269   | 2, 505   |
| Machine twist.....                                           | do.....       | 515                                    | 300      | 271      | 4, 822                       | 1, 551   | 1, 350   |
| Sewing, embroidery, and other floss silks.....               | do.....       | 335                                    | 298      | 193      | 2, 864                       | 2, 141   | 1, 449   |
| Ribbons.....                                                 |               |                                        |          |          | 25, 008                      | 15, 388  | 10, 847  |
| Fringes and gimps.....                                       |               |                                        |          |          | 7, 839                       | 4, 075   | 1, 207   |
| Braids.....                                                  |               |                                        |          |          | 4, 388                       | 1, 909   | 408      |
| Other silk and rayon products.....                           |               |                                        |          |          | 147, 135                     | 117, 152 | 149, 740 |
| <b>WOOLEN AND WORSTED GOODS</b>                              |               |                                        |          |          |                              |          |          |
| Total value.....                                             |               |                                        |          |          | 802, 876                     | 479, 632 | 444, 822 |
| Suitings, dress goods, overcoatings, and cloakings.....      | Sq. yard..... | 354, 296                               | 295, 005 | 332, 382 | 432, 268                     | 268, 659 | 247, 840 |
| All-wool woolen.....                                         | do.....       | 135, 354                               | 116, 352 | 145, 612 | 155, 938                     | 94, 858  | 90, 829  |
| All-wool worsted.....                                        | do.....       | 166, 211                               | 146, 742 | 134, 091 | 238, 669                     | 155, 044 | 124, 686 |
| Woolen or worsted made with cotton or manipulated warps..... | do.....       | 52, 730                                | 31, 911  | 52, 679  | 37, 651                      | 18, 757  | 26, 325  |
| Domest flannels and shirtings.....                           | do.....       | 14, 899                                | 7, 051   | (?)      | 5, 778                       | 1, 960   | (?)      |
| Blankets, all-wool.....                                      | do.....       | 18, 065                                | 15, 565  | 13, 043  | 15, 831                      | 10, 542  | 9, 440   |
| Yarns for sale.....                                          | Pound.....    | 159, 473                               | 141, 763 | 135, 440 | 199, 768                     | 129, 144 | 111, 977 |
| Noils and wool waste for sale.....                           | do.....       | 48, 368                                | 35, 504  | 41, 517  | 15, 597                      | 7, 242   | 9, 468   |
| Other woolen and worsted goods.....                          |               |                                        |          |          | 138, 064                     | 62, 085  | 66, 097  |
| <b>FELT GOODS</b>                                            |               |                                        |          |          |                              |          |          |
| Total value.....                                             |               |                                        |          |          | 42, 294                      | 26, 580  | 25, 698  |
| Felt cloths.....                                             | Pound.....    | 7, 075                                 | 5, 022   | 5, 544   | 17, 113                      | 11, 657  | 11, 961  |
| Trimming and lining felts.....                               | do.....       | 6, 147                                 | 4, 493   | 4, 039   | 3, 889                       | 2, 497   | 1, 969   |
| Shoe and slipper felts.....                                  | do.....       | 5, 148                                 | 3, 923   | (?)      | 2, 982                       | 931      | (?)      |
| Boot and shoe linings.....                                   | do.....       | 1, 607                                 | 1, 121   | (?)      | 1, 183                       | 901      | (?)      |
| All other felts.....                                         | do.....       | 65, 106                                | 50, 215  | 69, 871  | 17, 127                      | 10, 594  | 11, 608  |
| <b>HATS, WOOL-FELT</b>                                       |               |                                        |          |          |                              |          |          |
| Total value.....                                             |               |                                        |          |          | 8, 031                       | 4, 888   | (?)      |
| Hats.....                                                    | Dozen.....    | 400                                    | 177      | (?)      | 4, 410                       | 1, 905   | (?)      |
| Hat bodies and hats in the rough.....                        | do.....       | 501                                    | 745      | (?)      | 3, 621                       | 2, 983   | (?)      |
| <b>CARPETS AND RUGS, WOOL</b>                                |               |                                        |          |          |                              |          |          |
| Total value.....                                             |               |                                        |          |          | 174, 286                     | 86, 942  | 70, 104  |
| Carpets.....                                                 | Sq. yard..... | 27, 385                                | 13, 395  | 14, 053  | 61, 788                      | 25, 732  | 21, 815  |
| Rugs, made of sewed strips.....                              | do.....       | 3, 720                                 | 1, 338   | 2, 143   | 14, 410                      | 4, 007   | 4, 385   |
| Rugs, woven whole.....                                       | do.....       | 42, 806                                | 29, 448  | 27, 797  | 98, 089                      | 57, 203  | 43, 904  |
| <b>WOOL SHODDY</b>                                           |               |                                        |          |          |                              |          |          |
| Total value.....                                             |               |                                        |          |          | 13, 354                      | 5, 197   | 8, 203   |
| Recovered wool fiber.....                                    | Pound.....    | 60, 108                                | 34, 514  | 45, 049  | 13, 354                      | 5, 197   | 8, 203   |
| <b>HATS, FUR-FELT</b>                                        |               |                                        |          |          |                              |          |          |
| Total value.....                                             |               |                                        |          |          | 95, 273                      | 55, 586  | (?)      |
| Hats.....                                                    | Dozen.....    | 1, 770                                 | 1, 306   | (?)      | 70, 809                      | 39, 399  | (?)      |
| Hat bodies and hats in the rough.....                        | do.....       | 1, 534                                 | 1, 474   | (?)      | 24, 469                      | 15, 688  | (?)      |

For footnotes, see p. 769.

## No. 780.—TEXTILE MANUFACTURES: PRODUCTION—Continued

| Product                                    | Unit          | Quantity (thousands of unit specified) |         |         | Value (thousands of dollars) |        |        |
|--------------------------------------------|---------------|----------------------------------------|---------|---------|------------------------------|--------|--------|
|                                            |               | 1929                                   | 1931    | 1933    | 1929                         | 1931   | 1933   |
| CORDAGE AND TWINE AND JUTE AND LINEN GOODS |               |                                        |         |         |                              |        |        |
| Total value.....                           |               |                                        |         |         | 135,989                      | 67,121 | 61,373 |
| Rope, cable, and cordage:                  |               |                                        |         |         |                              |        |        |
| Manila hemp.....                           | Pound.....    | 114,476                                | 62,550  | 63,204  | 22,171                       | 9,425  | 7,655  |
| Sisal.....                                 | do.....       | 27,381                                 | 22,380  | 13,669  | 3,972                        | 2,269  | 1,240  |
| Henequin.....                              | do.....       | 16,120                                 | 7,616   | 6,500   | 2,447                        | 798    | 555    |
| Cotton.....                                | do.....       | 28,096                                 | 20,951  | 27,147  | 8,269                        | 4,152  | 5,598  |
| Other.....                                 | do.....       | 13,031                                 | 3,201   | 1,064   | 2,670                        | 450    | 180    |
| Twine, binder.....                         | do.....       | 178,605                                | 134,256 | 142,614 | 18,396                       | 11,458 | 6,901  |
| Twine, cotton.....                         | do.....       | 85,988                                 | 47,083  | 59,076  | 28,991                       | 9,848  | 12,038 |
| Twine, other.....                          | do.....       | 114,674                                | 86,358  | 90,083  | 18,316                       | 10,949 | 9,107  |
| Yarns for sale.....                        | do.....       | 97,935                                 | 56,448  | 65,080  | 15,467                       | 7,402  | 7,358  |
| Linon thread.....                          | do.....       | 3,103                                  | 2,114   | 2,574   | 4,510                        | 2,388  | 2,375  |
| Linon and part linon woven goods.....      | Sq. yard..... | 9,430                                  | 10,100  | 10,686  | 3,365                        | 2,885  | 2,359  |
| Jute bagging.....                          | do.....       | 27,863                                 | 31,463  | 64,893  | 3,129                        | 1,906  | 3,374  |
| Other products.....                        |               |                                        |         |         | 4,267                        | 3,003  | 2,474  |
| FLOOR COVERING AND OIL-CLOTH               |               |                                        |         |         |                              |        |        |
| Total value.....                           |               |                                        |         |         | 109,327                      | 54,543 | (?)    |
| Oilcloth (cotton back).....                | Sq. yard..... | 125,677                                | 92,703  | (?)     | 23,640                       | 13,506 | (?)    |
| Linoleum (jute back).....                  | do.....       | 43,272                                 | 20,372  | (?)     | 45,744                       | 19,408 | (?)    |
| Floor covering (felt back).....            | do.....       | 117,970                                | 87,576  | (?)     | 36,943                       | 21,629 | (?)    |
| ARTIFICIAL LEATHER                         |               |                                        |         |         |                              |        |        |
| Total value.....                           |               |                                        |         |         | 31,346                       | 15,025 | (?)    |
| Pyroxylin coated.....                      | Sq. yard..... | 65,029                                 | 36,993  | (?)     | 30,441                       | 13,344 | (?)    |
| Other than pyroxylin coated.....           | do.....       | 862                                    | 1,968   | (?)     | 891                          | 1,153  | (?)    |
| Kind not specified.....                    |               |                                        |         |         | 14                           | 528    | (?)    |

<sup>1</sup> Included with "Other cotton products".

<sup>2</sup> Data are not available.

<sup>3</sup> Excludes athletic and golf hose which are included with "Other knit products."

<sup>4</sup> Not including production in cotton mills.

<sup>5</sup> Data for other suitings such as mohair, mohair and cotton mixed, woolen-worsted, etc., are included in the figures for "Other woolen and worsted goods."

<sup>6</sup> Included with "All other felts" to avoid disclosing data for individual establishments.

<sup>7</sup> Not including binder twine made in penal institutions as follows: For 1929, 47,322,550 pounds; 1931, 52,161,200 pounds; 1933, 87,135,737 pounds.

## No. 781.—BOOTS AND SHOES (OTHER THAN RUBBER): PRODUCTION

NOTE.—In thousands of pairs. Detailed value data were not collected at the censuses. For total value of products of the industry see table 775, p. 749. Data for 1923 to 1935 compiled from monthly reports of manufacturers representing approximately 95 per cent of the total production in the United States for 1922 to 1929, 98 percent from 1930 to 1933, and 99 percent for 1934 and 1935.

| Year      | Total   | Men's <sup>1</sup> | Boys' and youths' | Women's | Misses' and children's | Infants' | Athletic <sup>2</sup> | All fabric <sup>3</sup> | Part leather and part fabric | Slippers <sup>4</sup> | All other |
|-----------|---------|--------------------|-------------------|---------|------------------------|----------|-----------------------|-------------------------|------------------------------|-----------------------|-----------|
| 1914..... | 292,666 | 98,031             | 22,896            | 80,916  | 48,322                 | 15,477   | ( <sup>5</sup> )      | ( <sup>6</sup> )        | ( <sup>7</sup> )             | ( <sup>8</sup> )      | 27,024    |
| 1919..... | 331,225 | 95,017             | 26,504            | 104,813 | 48,538                 | 18,669   | 586                   | 11,058                  | ( <sup>9</sup> )             | ( <sup>10</sup> )     | 28,042    |
| 1923..... | 351,114 | 100,283            | 22,239            | 109,676 | 40,136                 | 27,015   | 5,434                 | 8,347                   | ( <sup>11</sup> )            | ( <sup>12</sup> )     | 36,964    |
| 1925..... | 325,553 | 86,546             | 21,021            | 104,782 | 38,661                 | 24,587   | 5,914                 | 8,564                   | ( <sup>13</sup> )            | 23,899                | 9,549     |
| 1928..... | 344,351 | 90,970             | 23,032            | 123,753 | 37,135                 | 23,835   | 1,547                 | 3,760                   | ( <sup>14</sup> )            | 32,736                | 7,583     |
| 1929..... | 361,402 | 94,770             | 22,993            | 131,303 | 39,927                 | 23,750   | 1,768                 | 3,121                   | ( <sup>15</sup> )            | 38,614                | 7,156     |
| 1930..... | 304,170 | 77,147             | 18,530            | 112,629 | 32,037                 | 18,558   | 1,728                 | 2,693                   | ( <sup>16</sup> )            | 34,904                | 5,954     |
| 1931..... | 316,240 | 77,420             | 20,047            | 112,603 | 34,308                 | 18,546   | 1,708                 | 4,750                   | 2,955                        | 35,717                | 8,186     |
| 1932..... | 313,290 | 74,493             | 18,100            | 113,944 | 33,600                 | 15,653   | 1,111                 | 6,132                   | 1,874                        | 38,212                | 10,170    |
| 1933..... | 350,382 | 88,821             | 19,444            | 130,742 | 33,180                 | 18,578   | 1,316                 | 4,637                   | 1,485                        | 40,848                | 11,030    |
| 1934..... | 357,119 | 91,387             | 17,348            | 133,045 | 34,521                 | 19,451   | 1,333                 | 3,930                   | 1,374                        | 43,713                | 11,018    |
| 1935..... | 383,761 | 99,525             | 17,847            | 145,231 | 37,278                 | 21,167   | 1,961                 | 3,671                   | 2,891                        | 42,055                | 12,138    |

<sup>1</sup> Figures beginning 1927 are not strictly comparable with earlier years owing to the fact that large quantities of heavy footwear now included with men's shoes were included with "Athletic," prior to 1927.

<sup>2</sup> Includes satin, canvas, etc., but excludes footwear with fabric uppers and rubber soles. Figures for the latter for certain census years are shown in table 787, page 775.

<sup>3</sup> Includes slippers and moccasins (all leather and part leather, felt, etc.) for house wear.

<sup>4</sup> Not reported separately; included with "all other".

<sup>5</sup> Not reported separately; included with other classes.

Source of tables 780 and 781: Bureau of the Census, Department of Commerce.



## No. 782.—LEATHER: PRODUCTION BY PRINCIPAL TYPES OF RAW STOCK

[Cattle hide in thousands of hides, other figures in thousands of skins]

| Year      | Cattle hide | Calf and kip | Goat and kid | Sheep and lamb | Year      | Cattle hide | Calf and kip | Goat and kid | Sheep and lamb |
|-----------|-------------|--------------|--------------|----------------|-----------|-------------|--------------|--------------|----------------|
| 1925..... | 22,297      | 13,877       | 42,485       | 33,087         | 1931..... | 16,234      | 12,438       | 48,637       | 32,443         |
| 1926..... | 21,500      | 15,744       | 49,777       | 31,668         | 1932..... | 14,583      | 11,580       | 37,014       | 28,841         |
| 1927..... | 21,820      | 16,984       | 50,736       | 35,850         | 1933..... | 17,115      | 13,049       | 44,312       | 33,881         |
| 1928..... | 20,237      | 15,617       | 54,852       | 38,706         | 1934..... | 19,771      | 12,442       | 44,982       | 34,255         |
| 1929..... | 19,149      | 15,364       | 55,686       | 38,985         | 1935..... | 21,932      | 14,140       | 48,250       | 38,465         |
| 1930..... | 17,675      | 14,171       | 55,445       | 30,393         |           |             |              |              |                |

## No. 783.—LEATHER: PRODUCTION BY PRINCIPAL KINDS

| Product and unit of quantity                                                         | Quantity |                                         |                                        |                                                 | Value (thousands of dollars)           |                                                 |
|--------------------------------------------------------------------------------------|----------|-----------------------------------------|----------------------------------------|-------------------------------------------------|----------------------------------------|-------------------------------------------------|
|                                                                                      | 1929     | 1931 As published; comparable with 1929 | 1931 Comparable with 1933 <sup>1</sup> | 1933 Reported on standard schedule <sup>1</sup> | 1931 Comparable with 1933 <sup>1</sup> | 1933 Reported on standard schedule <sup>1</sup> |
| Total value.....                                                                     |          |                                         |                                        |                                                 | 246,289                                | 216,114                                         |
| Sole and belting leather.....                                                        |          |                                         |                                        |                                                 | 74,579                                 | 60,551                                          |
| Oak and union sole, 1,000 backs, bends, sides.....                                   | 13,750   | 11,746                                  | 11,570                                 | 11,289                                          | 54,293                                 | 38,484                                          |
| Chrome and combination sole.....do.....                                              | 596      | 447                                     | 414                                    | 559                                             | 1,996                                  | 1,688                                           |
| Belting butts, rough and curried.....do.....                                         |          |                                         |                                        |                                                 |                                        |                                                 |
| 1,000 butts and butt bends.....                                                      | 1,375    | 636                                     | 621                                    | 674                                             | 5,542                                  | 5,165                                           |
| Offal (heads, bellies, shoulders, etc.).....do.....                                  |          |                                         |                                        |                                                 |                                        |                                                 |
| 1,000 pounds.....                                                                    | 94,643   | 86,161                                  | 85,025                                 | 79,212                                          | 12,748                                 | 14,914                                          |
| Harness leather.....                                                                 |          |                                         |                                        |                                                 | 1,846                                  | 1,951                                           |
| Union black.....do.....                                                              | 284      | 98                                      | 68                                     | 119                                             | 364                                    | 504                                             |
| Oak black and russet.....do.....                                                     | 461      | 279                                     | 256                                    | 289                                             | 1,432                                  | 1,446                                           |
| Bag, case, and strap leather.....do.....                                             | 1,055    | 787                                     | 725                                    | 537                                             | 3,307                                  | 2,504                                           |
| Skirting and lace leather.....do.....                                                | 208      | 158                                     | 68                                     | 94                                              | 351                                    | 385                                             |
| Collar leather.....do.....                                                           | 363      | 180                                     | 147                                    | 207                                             | 499                                    | 786                                             |
| Welting leather.....do.....                                                          | (2)      | 2,077                                   | 1,667                                  | 1,819                                           | 626                                    | 672                                             |
| Upholstering leather <sup>2</sup> (automobile, furniture, and carriage):.....do..... |          |                                         |                                        |                                                 |                                        |                                                 |
| Whole-hide grains and machine-buffed.....do.....                                     |          |                                         |                                        |                                                 |                                        |                                                 |
| 1,000 hides.....                                                                     | 622      | 318                                     | 284                                    | 134                                             | 2,549                                  | 1,101                                           |
| Splits (main and second).....do.....                                                 | 724      | 410                                     | 362                                    | 279                                             | 1,590                                  | 608                                             |
| Upper leather (other than patent).....                                               |          |                                         |                                        |                                                 | 107,168                                | 102,485                                         |
| Cattle (including kip side).....do.....                                              | 12,304   | 12,514                                  | 12,483                                 | 15,879                                          | 32,428                                 | 39,791                                          |
| Kip (except kip side).....do.....                                                    | 1,317    | 268                                     | 268                                    | 178                                             | 1,103                                  | 474                                             |
| Calf.....do.....                                                                     | 12,933   | 10,276                                  | 10,105                                 | 12,102                                          | 25,791                                 | 23,935                                          |
| Goat and kid.....do.....                                                             | 50,149   | 34,978                                  | 34,978                                 | 38,114                                          | 37,285                                 | 30,875                                          |
| Sheep and lamb (shoe stock) and cabretta.....do.....                                 |          |                                         |                                        |                                                 |                                        |                                                 |
| 1,000 skins.....                                                                     | 14,324   | 9,991                                   | 9,890                                  | 8,719                                           | 7,564                                  | 4,856                                           |
| Horse, colt, ass, and mule:.....                                                     |          |                                         |                                        |                                                 |                                        |                                                 |
| Half and whole fronts.....do.....                                                    |          |                                         |                                        |                                                 |                                        |                                                 |
| 1,000 equivalent half fronts.....                                                    | 116      | 90                                      | 84                                     | 35                                              | 240                                    | 64                                              |
| Butts.....do.....                                                                    |          |                                         |                                        | 271                                             | 625                                    | 360                                             |
| Shanks.....do.....                                                                   |          |                                         |                                        | 160                                             | 81                                     | 81                                              |
| Other.....do.....                                                                    |          |                                         |                                        |                                                 | 2,131                                  | 2,109                                           |
| Patent leather (other than upholstery).....                                          |          |                                         |                                        |                                                 | 11,289                                 | 7,400                                           |
| Cattle (including kip side).....do.....                                              | 5,375    | 3,606                                   | 3,555                                  | 2,811                                           | 10,659                                 | 7,261                                           |
| Other.....do.....                                                                    |          |                                         |                                        |                                                 | 630                                    | 139                                             |
| Glove and garment leather.....                                                       |          |                                         |                                        |                                                 | 15,303                                 | 17,609                                          |
| Cattle grains (including foreign-tanned kip).....do.....                             |          |                                         |                                        |                                                 |                                        |                                                 |
| 1,000 sides.....                                                                     | (2)      | 96                                      | 96                                     | 365                                             | 270                                    | 996                                             |
| Horse, colt, ass, and mule:.....                                                     |          |                                         |                                        |                                                 |                                        |                                                 |
| Half and whole fronts.....do.....                                                    |          |                                         |                                        |                                                 |                                        |                                                 |
| 1,000 equivalent half fronts.....                                                    | 1,856    | 1,500                                   | 1,503                                  | 1,269                                           | 3,253                                  | 2,206                                           |
| Butts and shanks.....do.....                                                         |          |                                         |                                        |                                                 | 421                                    | 404                                             |
| Sheep and lamb (exc. shearlings).....do.....                                         | 5,618    | 9,039                                   | 8,214                                  | 12,190                                          | 6,407                                  | 7,586                                           |
| Shearlings.....do.....                                                               | 3,027    | 2,000                                   | 1,371                                  | 1,562                                           | 1,322                                  | 1,414                                           |
| Other.....do.....                                                                    |          |                                         |                                        |                                                 | 3,628                                  | 5,004                                           |
| Fancy and bookbinders' leather.....                                                  |          |                                         |                                        |                                                 | 9,935                                  | 5,170                                           |
| Sheep and lamb and cabretta.....do.....                                              | 3,972    | 2,814                                   | 2,507                                  | 2,114                                           | 2,987                                  | 2,043                                           |
| Calf and kip.....do.....                                                             | 490      | 249                                     | 249                                    | 308                                             | 743                                    | 890                                             |
| Other.....do.....                                                                    |          |                                         |                                        |                                                 | 6,205                                  | 2,267                                           |
| Side splits (other than upholstery) finished.....                                    |          |                                         |                                        |                                                 |                                        |                                                 |
| 1,000 side splits.....                                                               | 21,210   | 14,772                                  | 14,499                                 | 17,795                                          | 9,762                                  | 9,965                                           |
| Other leather.....                                                                   |          |                                         |                                        |                                                 | 7,376                                  | 4,835                                           |

<sup>1</sup> For reason of adjustment see the last paragraph, general note, p. 733. <sup>2</sup> No data.<sup>3</sup> Excluding russet buffings included with "Other leather" at end of table to avoid disclosures.

Sources: Table 782, Tanners' Council of America; table 783, Bureau of the Census, Dept. of Commerce.

## No. 784.—CHEMICALS: PRODUCTS MADE FOR SALE

NOTE.—In addition to quantities shown in the table, made for sale, large quantities of certain chemicals, especially acids, are made and consumed in further processes in the same establishments. There is considerable duplication in the total value of products due to the use of products sold by one establishment as materials for other establishments manufacturing chemicals. Tons are of 2,000 pounds, except as noted

| Product                                                                    | Unit        | Quantity (thousands of unit specified) |                                                     |                                         |                                                         | Value (thousands of dollars)            |                                                         |
|----------------------------------------------------------------------------|-------------|----------------------------------------|-----------------------------------------------------|-----------------------------------------|---------------------------------------------------------|-----------------------------------------|---------------------------------------------------------|
|                                                                            |             | 1929                                   | 1931<br>As published;<br>comparable<br>with<br>1929 | 1931<br>Com-<br>parable<br>with<br>1931 | 1933<br>Re-<br>ported<br>on stand-<br>ard sched-<br>ule | 1931<br>Com-<br>parable<br>with<br>1931 | 1933<br>Re-<br>ported<br>on stand-<br>ard sched-<br>ule |
| Total value.....                                                           |             |                                        |                                                     |                                         |                                                         | 538, 162                                | 474, 706                                                |
| <b>Acids:</b>                                                              |             |                                        |                                                     |                                         |                                                         |                                         |                                                         |
| Acetic (basis 100 percent).....                                            | Pound.....  | 66,364                                 | 62,586                                              | 62,586                                  | 65,150                                                  | 3,537                                   | 4,303                                                   |
| Boric (boracic).....                                                       | do.....     | 26,055                                 | 18,128                                              | 18,128                                  | 21,613                                                  | 970                                     | 845                                                     |
| Carbonic (carbon dioxide CO <sub>2</sub> ).....                            | do.....     | 136,930                                | 163,576                                             | 153,675                                 | 117,382                                                 | 6,226                                   | 4,466                                                   |
| Citric.....                                                                | do.....     | 10,766                                 | 8,381                                               | 8,381                                   | 5,696                                                   | 3,060                                   | 1,795                                                   |
| Hydrochloric (muriatic) (basis 100 percent).....                           | Ton.....    | 63                                     | 41                                                  | 41                                      | 45                                                      | 2,422                                   | 2,387                                                   |
| Mixed (sulphuric-nitric).....                                              | do.....     | 64                                     | 38                                                  | 38                                      | 42                                                      | 1,800                                   | 1,833                                                   |
| Nitric.....                                                                | do.....     | 33                                     | 31                                                  | 31                                      | 33                                                      | 3,382                                   | 2,969                                                   |
| Oleic.....                                                                 | Pound.....  | 56,948                                 | 29,947                                              | 25,707                                  | 27,890                                                  | 1,603                                   | 1,394                                                   |
| Phosphoric.....                                                            | do.....     | 34,674                                 | 19,096                                              | 19,096                                  | 24,653                                                  | 761                                     | 892                                                     |
| Stearic.....                                                               | do.....     | 39,154                                 | 24,898                                              | 23,432                                  | 23,874                                                  | 1,918                                   | 1,878                                                   |
| Sulphuric (basis 50° Baume).....                                           | Ton.....    | 5,816                                  | 4,230                                               | 4,020                                   | 3,848                                                   | 32,138                                  | 26,482                                                  |
| Tannic.....                                                                | Pound.....  | 1,449                                  | 667                                                 | 667                                     | 682                                                     | 261                                     | 236                                                     |
| Tartaric.....                                                              | do.....     | 4,906                                  | 5,181                                               | 5,181                                   | 6,799                                                   | 1,463                                   | 1,493                                                   |
| Other.....                                                                 |             |                                        |                                                     |                                         |                                                         | 5,565                                   | 4,404                                                   |
| <b>Aluminum compounds and alums:</b>                                       |             |                                        |                                                     |                                         |                                                         |                                         |                                                         |
| Aluminum sulphate.....                                                     | Ton.....    | 345                                    | 309                                                 | 309                                     | 322                                                     | 6,672                                   | 6,600                                                   |
| Aluminous abrasives.....                                                   | do.....     | 33                                     | 7                                                   | 7                                       | 8                                                       | 1,152                                   | 1,525                                                   |
| Other.....                                                                 |             |                                        |                                                     |                                         |                                                         | 2,707                                   | 3,376                                                   |
| <b>Coal-tar products:</b>                                                  |             |                                        |                                                     |                                         |                                                         |                                         |                                                         |
| Crudes.....                                                                |             |                                        |                                                     |                                         |                                                         | 20,492                                  | 16,985                                                  |
| Intermediates.....                                                         |             |                                        |                                                     |                                         |                                                         | 18,618                                  | 21,443                                                  |
| Finished products.....                                                     |             |                                        |                                                     |                                         |                                                         | 61,422                                  | 68,846                                                  |
| <b>Nitrogen and fixed-nitrogen compounds:</b>                              |             |                                        |                                                     |                                         |                                                         |                                         |                                                         |
| Ammonia, aqua and liquor.....                                              | Pound.....  | 30,200                                 | 18,831                                              | 18,831                                  | 18,895                                                  | 1,032                                   | 923                                                     |
| Ammonia, anhydrous.....                                                    | do.....     | 173,349                                | 127,099                                             | 127,099                                 | 160,269                                                 | 8,044                                   | 7,525                                                   |
| Other ammonium compounds.....                                              |             |                                        |                                                     |                                         |                                                         | 3,384                                   | 3,571                                                   |
| Nitrous oxide (laughing gas).....                                          | Gallon..... | 109,812                                | 94,607                                              | 94,607                                  | 82,220                                                  | 923                                     | 811                                                     |
| Other.....                                                                 |             |                                        |                                                     |                                         |                                                         | 19,881                                  | 17,926                                                  |
| From coke-oven operations, not included in total value (Bureau of Mines) — |             |                                        |                                                     |                                         |                                                         |                                         |                                                         |
| Ammonium sulphate.....                                                     | Pound.....  | 1,350,154                              | 905,245                                             | 905,245                                 | 589,763                                                 | 11,469                                  | 5,357                                                   |
| Ammonia liquor (NH <sub>3</sub> ) content.....                             | do.....     | 51,762                                 | 33,982                                              | 33,982                                  | 36,210                                                  | 1,800                                   | 1,088                                                   |
| From the manufactured-gas industry not included in total value:            |             |                                        |                                                     |                                         |                                                         |                                         |                                                         |
| Ammonia (NH <sub>3</sub> ) equivalent.....                                 | do.....     | 36,216                                 | 37,853                                              | 37,853                                  | 39,016                                                  | 1,721                                   | 852                                                     |
| <b>Plastics:</b>                                                           |             |                                        |                                                     |                                         |                                                         |                                         |                                                         |
| Pyroxylin in form for further manufacture.....                             | do.....     | 16,991                                 | 12,008                                              | 12,008                                  | 10,096                                                  | 11,114                                  | 7,799                                                   |
| Finished articles of pyroxylin.....                                        |             |                                        |                                                     |                                         |                                                         | 6,545                                   | 4,304                                                   |
| Phenolic resins.....                                                       | Pound.....  | (*)                                    | 33,818                                              | 33,651                                  | 41,657                                                  | 7,282                                   | 7,606                                                   |
| Other.....                                                                 |             |                                        |                                                     |                                         |                                                         | 2,405                                   | 6,770                                                   |
| <b>Potassium compounds:<sup>10</sup></b>                                   |             |                                        |                                                     |                                         |                                                         |                                         |                                                         |
| Bitartrate (cream of tartar).....                                          | Pound.....  | 7,853                                  | 6,881                                               | 6,881                                   | 5,789                                                   | 1,572                                   | 891                                                     |
| Iodide.....                                                                | do.....     | 444                                    | 380                                                 | 380                                     | 479                                                     | 1,291                                   | 1,108                                                   |
| Other.....                                                                 |             |                                        |                                                     |                                         |                                                         | 5,250                                   | 5,434                                                   |
| <b>Sodium compounds:</b>                                                   |             |                                        |                                                     |                                         |                                                         |                                         |                                                         |
| Bichromate and chromate.....                                               | Ton.....    | 39                                     | 25                                                  | 25                                      | 29                                                      | 3,162                                   | 3,281                                                   |
| Borate (borax).....                                                        | do.....     | 92                                     | 80                                                  | 80                                      | 94                                                      | 2,432                                   | 3,163                                                   |
| Carbonates:                                                                |             |                                        |                                                     |                                         |                                                         |                                         |                                                         |
| Bicarbonate, refined.....                                                  | do.....     | 140                                    | 128                                                 | 128                                     | 129                                                     | 3,696                                   | 3,586                                                   |
| Soda ash.....                                                              | do.....     | 1,814                                  | 1,509                                               | 1,509                                   | 1,654                                                   | 22,493                                  | 24,183                                                  |
| Caustic (hydroxide).....                                                   | do.....     | 725                                    | 634                                                 | 634                                     | 645                                                     | 26,565                                  | 24,478                                                  |
| Hypochlorite.....                                                          | do.....     | 27                                     | 32                                                  | 27                                      | 32                                                      | 2,275                                   | 2,073                                                   |
| Phosphates.....                                                            | do.....     | 146                                    | 146                                                 | 145                                     | 120                                                     | 8,070                                   | 5,620                                                   |
| Silicate (basis 40°).....                                                  | do.....     | 590                                    | 664                                                 | 638                                     | 630                                                     | 7,405                                   | 6,583                                                   |

For footnotes see p. 772.

## No. 784.—CHEMICALS: PRODUCTS MADE FOR SALE—Continued

| Product                                         | Unit              | Quantity (thousands of unit specified) |                                                     |                                         |                                                         | Value (thousands of dollars)            |                                                         |
|-------------------------------------------------|-------------------|----------------------------------------|-----------------------------------------------------|-----------------------------------------|---------------------------------------------------------|-----------------------------------------|---------------------------------------------------------|
|                                                 |                   | 1929                                   | 1931<br>As published;<br>comparable<br>with<br>1929 | 1931<br>Com-<br>parable<br>with<br>1933 | 1933<br>Re-<br>ported<br>on stand-<br>ard sched-<br>ule | 1931<br>Com-<br>parable<br>with<br>1933 | 1933<br>Re-<br>ported<br>on stand-<br>ard sched-<br>ule |
| <b>Sodium compounds—Continued.</b>              |                   |                                        |                                                     |                                         |                                                         |                                         |                                                         |
| Sulphates:                                      |                   |                                        |                                                     |                                         |                                                         |                                         |                                                         |
| Glauber's salt                                  | Ton               | 62                                     | 49                                                  | 46                                      | 40                                                      | 774                                     | 536                                                     |
| Hyposulphite (thiosulphate)                     | do                | 25                                     | 24                                                  | 23                                      | 18                                                      | 931                                     | 763                                                     |
| Niter cake                                      | do                | 83                                     | 31                                                  | 31                                      | 17                                                      | 564                                     | 353                                                     |
| Salt cake                                       | do                | 170                                    | 99                                                  | 99                                      | 115                                                     | 1,528                                   | 1,471                                                   |
| Sulphide                                        | do                | 33                                     | 23                                                  | 23                                      | 31                                                      | 1,033                                   | 1,354                                                   |
| Other                                           |                   |                                        |                                                     |                                         |                                                         | 23,092                                  | 17,612                                                  |
| <b>Miscellaneous:</b>                           |                   |                                        |                                                     |                                         |                                                         |                                         |                                                         |
| Alcohols:                                       |                   |                                        |                                                     |                                         |                                                         |                                         |                                                         |
| Methanol, synthetic                             | Gallon            | (*)                                    | 7,007                                               | 7,007                                   | 8,793                                                   | 1,462                                   | 1,680                                                   |
| Other alcohol <sup>11</sup>                     |                   |                                        |                                                     |                                         |                                                         | 4,887                                   | 3,789                                                   |
| Arsenic:                                        |                   |                                        |                                                     |                                         |                                                         |                                         |                                                         |
| Arsenate of calcium                             | Pound             | 33,064                                 | 26,120                                              | 21,983                                  | 15,487                                                  | 1,005                                   | 699                                                     |
| Arsenate of lead                                | do                | 30,682                                 | 37,974                                              | 37,974                                  | 29,816                                                  | 3,674                                   | 2,368                                                   |
| Other salts and compounds                       |                   |                                        |                                                     |                                         |                                                         | 1,162                                   | 728                                                     |
| Barium salts and compounds                      |                   |                                        |                                                     |                                         |                                                         | 1,368                                   | 888                                                     |
| Bismuth salts and compounds                     |                   |                                        |                                                     |                                         |                                                         | 882                                     | 838                                                     |
| Butyl-acetate                                   | Gallon            | 4,524                                  | 4,664                                               | 4,644                                   | 3,768                                                   | 3,333                                   | 2,578                                                   |
| Calcium:                                        |                   |                                        |                                                     |                                         |                                                         |                                         |                                                         |
| Acetate                                         | Ton               | 58                                     | 26                                                  | 26                                      | 26                                                      | 870                                     | 1,166                                                   |
| Carbide                                         | do                | (*)                                    | 128                                                 | 128                                     | 101                                                     | 8,024                                   | 6,059                                                   |
| Chloride (basis 73 to 79 percent)               | do                | 277                                    | 232                                                 | 232                                     | 158                                                     | 4,725                                   | 2,716                                                   |
| Hypochlorite                                    | do                | 93                                     | 64                                                  | 64                                      | 30                                                      | 2,074                                   | 1,302                                                   |
| Phosphate                                       | do                | 38                                     | 41                                                  | 41                                      | 42                                                      | 5,591                                   | 5,832                                                   |
| Other salts and compounds                       |                   |                                        |                                                     |                                         |                                                         | 2,174                                   | 2,050                                                   |
| Carbon bisulphide                               | Pound             | 71,009                                 | 83,045                                              | 83,045                                  | 90,179                                                  | 3,200                                   | 3,283                                                   |
| Carbon tetrachloride                            | do                | 32,713                                 | 34,096                                              | 34,096                                  | 30,344                                                  | 1,720                                   | 1,354                                                   |
| Copper sulphate (blue vitriol)                  | do                | 78,669                                 | 60,981                                              | 60,817                                  | 59,070                                                  | 2,177                                   | 1,408                                                   |
| Ether                                           | do                | 6,464                                  | 6,982                                               | 6,982                                   | 7,421                                                   | 1,472                                   | 1,385                                                   |
| Ethyl acetate                                   | Gallon            | 10,932                                 | 5,457                                               | 4,500                                   | 5,082                                                   | 2,063                                   | 2,690                                                   |
| Glycerine, refined                              | Pound             | 113,140                                | 102,510                                             | 101,615                                 | 107,853                                                 | 10,223                                  | 7,915                                                   |
| Hydrogen peroxide (basis 100 volumes)           | do                | 8,509                                  | 12,854                                              | 8,784                                   | 12,119                                                  | 2,061                                   | 2,388                                                   |
| Iron sulphate (copperas)                        | Ton               | 56                                     | 31                                                  | 31                                      | 28                                                      | 268                                     | 263                                                     |
| Ferro-alloys, electric-furnace                  | do. <sup>12</sup> | 220                                    | 130                                                 | 130                                     | 121                                                     | 13,200                                  | 11,868                                                  |
| Magnesium sulphate (Epsom salt)                 | do                | 37                                     | 34                                                  | 34                                      | 37                                                      | 1,524                                   | 1,234                                                   |
| Nitrocellulose, for sale as such                | Pound             | (*)                                    | (*)                                                 | 23,408                                  | 25,415                                                  | 5,155                                   | 5,008                                                   |
| Silver nitrate                                  | Ounce             | 5,647                                  | 5,597                                               | 4,833                                   | 4,146                                                   | 1,024                                   | 1,072                                                   |
| Sulphur, refined                                | Ton               | 78                                     | 67                                                  | 67                                      | 49                                                      | 2,060                                   | 1,736                                                   |
| Tin (chloride, stannic and stannous, and oxide) | Pound             | (*)                                    | 38,396                                              | 38,338                                  | 21,933                                                  | 6,098                                   | 4,444                                                   |
| Vanillin                                        | do                | 317                                    | 172                                                 | 128                                     | 196                                                     | 590                                     | 777                                                     |
| Vitreous enamels ("frit")                       | do                | (*)                                    | 42,823                                              | 42,424                                  | 39,853                                                  | 3,409                                   | 2,587                                                   |
| All other chemicals                             |                   |                                        |                                                     |                                         |                                                         | 115,106                                 | 81,639                                                  |
| Intergroup duplication                          |                   |                                        |                                                     |                                         |                                                         | <sup>13</sup> 27,023                    | <sup>13</sup> 21,478                                    |

<sup>1</sup> For reason of adjustment see last paragraph, general note, p. 733. No adjustment was necessary for the Bureau of Mines data.

<sup>2</sup> Includes for 1931 approximately 80,000,000 pounds of carbon dioxide piped to plants making dry ice; for 1933, approximately 64,500,000.

<sup>3</sup> Basis 50 percent.

<sup>4</sup> Production in "Chemicals not elsewhere classified", "Fertilizers", "Explosives", and "Smelting and refining, zinc" industries only. Data for production from "Smelting and refining, copper and lead" industry in 1933 are not available; figures in the columns "1931 comparable with 1933" have been adjusted accordingly.

<sup>5</sup> Not including byproduct crudes made in coke plants and gas works.

<sup>6</sup> Ammonia (N H<sub>3</sub>) content.

<sup>7</sup> Articles made in the producing establishments in the "Chemicals not elsewhere classified" industry.

<sup>8</sup> In addition fabricated articles valued at \$716,591 were made by pyroxylin-producing establishments in other industries.

<sup>9</sup> No comparable data.

<sup>10</sup> Production of crude potassium salt from original sources in 1933, as reported by 4 plants to the Bureau of Mines, Department of the Interior, amounted to 333,110 tons; content of K<sub>2</sub>O 63,880 tons.

<sup>11</sup> Not including ethyl, glycerol (see Glycerine), nor methanol produced by the distillation of wood.

<sup>12</sup> Tons of 2,240 pounds.

<sup>13</sup> Because of intergroup duplication the sum of the various products exceeds the total value of all products by this amount. For example, nitric acid is shown under "Acids" and is also included with "Other nitrogen compounds", likewise phenolic resins are included with "Coal-tar products" and also shown under "Plastics."

Source: Bureau of the Census, Department of Commerce.

## No. 785.—MISCELLANEOUS PRODUCTS INVOLVING CHEMICAL PROCESSES

NOTE.—Semifinished products made for consumption in the same establishment are not included, but there is some duplication in total value of products in certain branches, due to the use of such products as materials by other establishments in the same industry. Tons are of 2,000 pounds.

| Product                                                           | Quantity (thousands of unit specified) |                  |                                                  |                                                      |                                                          | Value (thousands of dollars)                         |                                                              |
|-------------------------------------------------------------------|----------------------------------------|------------------|--------------------------------------------------|------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------|
|                                                                   | Unit                                   | 1929             | 1931<br>As published;<br>comparable with<br>1929 | 1931<br>Com-<br>parable<br>with<br>1933 <sup>1</sup> | 1933<br>Reported on<br>standard<br>schedule <sup>1</sup> | 1931<br>Com-<br>parable<br>with<br>1933 <sup>1</sup> | 1933<br>Reported on stand-<br>ard sched-<br>ule <sup>1</sup> |
| <b>BONE BLACK, CARBON BLACK, ETC.</b>                             |                                        |                  |                                                  |                                                      |                                                          |                                                      |                                                              |
| Total value.....                                                  |                                        |                  |                                                  |                                                      |                                                          | 10,230                                               | 8,488                                                        |
| Bone black.....                                                   | Pound.....                             | 54,277           | 33,214                                           | 33,214                                               | 23,122                                                   | 1,288                                                | 829                                                          |
| Carbon black (Bureau of Mines).....                               | do.....                                | 283,806          | 280,907                                          | 280,907                                              | 269,325                                                  | 8,621                                                | 7,449                                                        |
| Lampblack.....                                                    | do.....                                | 10,765           | 3,424                                            | 3,424                                                | 3,012                                                    | 321                                                  | 210                                                          |
| <b>COMPRESSED AND LIQUEFIED GASES</b>                             |                                        |                  |                                                  |                                                      |                                                          |                                                      |                                                              |
| Total value.....                                                  |                                        |                  |                                                  |                                                      |                                                          | 62,484                                               | 49,781                                                       |
| Acetylene.....                                                    | Cu. ft.....                            | 969,534          | 742,898                                          | 742,898                                              | 754,089                                                  | 12,912                                               | 11,039                                                       |
| Carbon dioxide (not solid).....                                   | Pound.....                             | 136,930          | 153,575                                          | 153,575                                              | 117,382                                                  | 6,226                                                | 4,466                                                        |
| Chlorine, for sale.....                                           | do.....                                | 289,855          | 255,511                                          | 255,511                                              | 249,126                                                  | 5,248                                                | 4,486                                                        |
| Hydrogen.....                                                     | Cu. ft.....                            | 207,843          | 493,518                                          | 493,518                                              | 589,290                                                  | 957                                                  | 915                                                          |
| Oxygen.....                                                       | do.....                                | 3,140,095        | 2,050,377                                        | 2,050,377                                            | 1,821,880                                                | 16,411                                               | 12,997                                                       |
| Nitrous oxide (laughing gas).....                                 | Gallon.....                            | 109,812          | 94,607                                           | 94,607                                               | 82,220                                                   | 923                                                  | 811                                                          |
| Dry ice (solid carbon dioxide).....                               | Pound.....                             | ( <sup>2</sup> ) | 84,954                                           | 84,954                                               | 59,053                                                   | 2,900                                                | 1,970                                                        |
| Other gases.....                                                  |                                        |                  |                                                  |                                                      |                                                          | 16,908                                               | 13,097                                                       |
| <b>FERTILIZERS</b>                                                |                                        |                  |                                                  |                                                      |                                                          |                                                      |                                                              |
| Total value.....                                                  |                                        |                  |                                                  |                                                      |                                                          | 137,169                                              | 82,611                                                       |
| Complete fertilizers.....                                         | Ton.....                               | 5,982            | 4,545                                            | 4,461                                                | 3,274                                                    | 107,982                                              | 61,180                                                       |
| Superphosphates, including concentrated phosphates, for sale..... | do.....                                | 2,531            | 1,968                                            | 1,964                                                | 1,646                                                    | 20,639                                               | 12,882                                                       |
| Other fertilizers.....                                            | do.....                                | 797              | 455                                              | 389                                                  | 377                                                      | 8,539                                                | 8,749                                                        |
| <b>PAINT AND VARNISH</b>                                          |                                        |                  |                                                  |                                                      |                                                          |                                                      |                                                              |
| Total value.....                                                  |                                        |                  |                                                  |                                                      |                                                          | 350,726                                              | 287,339                                                      |
| Pigments, colors, for sale.....                                   | Pound.....                             | 1,918,459        | 1,298,006                                        | 1,279,519                                            | 1,210,528                                                | 68,992                                               | 62,177                                                       |
| Paints in paste form.....                                         | do.....                                | 461,549          | 242,528                                          | 236,076                                              | 184,424                                                  | 25,402                                               | 18,946                                                       |
| Ready mixed paints.....                                           | Gallon.....                            | 106,185          | 78,249                                           | 74,612                                               | 63,826                                                   | 115,783                                              | 90,289                                                       |
| Water paints and kalsomine, dry or in paste.....                  | Pound.....                             | 155,811          | 122,823                                          | 117,390                                              | 100,443                                                  | 5,015                                                | 3,947                                                        |
| Plastic paints.....                                               | do.....                                | ( <sup>3</sup> ) | 14,661                                           | 14,185                                               | 10,268                                                   | 1,866                                                | 616                                                          |
| Varnishes, japans, lacquers, enamels, and allied products.....    |                                        |                  |                                                  |                                                      |                                                          | 121,584                                              | 106,439                                                      |
| Quantity reported.....                                            | Gallon.....                            | 109,008          | 75,508                                           | 72,822                                               | 71,101                                                   | 107,205                                              | 96,548                                                       |
| Quantity not reported.....                                        |                                        |                  |                                                  |                                                      |                                                          | 14,378                                               | 9,893                                                        |
| Fillers (liquid, paste, and dry).....                             |                                        |                  |                                                  |                                                      |                                                          | 1,123                                                | 852                                                          |
| Putty.....                                                        | Pound.....                             | 99,163           | 69,907                                           | 56,323                                               | 47,369                                                   | 2,434                                                | 1,738                                                        |
| Bleached shellac.....                                             | do.....                                | 11,140           | 10,731                                           | 10,731                                               | 11,156                                                   | 2,619                                                | 1,878                                                        |
| Stains, varnish.....                                              | Gallon.....                            | 2,160            | 1,726                                            | 1,658                                                | 1,648                                                    | 2,461                                                | 2,439                                                        |
| Stains, other.....                                                | do.....                                |                  |                                                  |                                                      |                                                          | 8,987                                                |                                                              |
| <b>SOAP</b>                                                       |                                        |                  |                                                  |                                                      |                                                          |                                                      |                                                              |
| Total value.....                                                  |                                        |                  |                                                  |                                                      |                                                          | 224,575                                              | 173,311                                                      |
| Hard soaps, total.....                                            | Pound.....                             | 2,537,955        | 2,572,895                                        | 2,464,249                                            | 2,362,690                                                | 189,473                                              | 146,001                                                      |
| Toilet soap.....                                                  | do.....                                | 324,384          | 305,638                                          | 298,964                                              | 315,373                                                  | 52,164                                               | 44,087                                                       |
| Foots soap.....                                                   | do.....                                | 21,829           | 20,015                                           | 4,103                                                | 3,017                                                    | 227                                                  | 172                                                          |
| Soap chips and flakes.....                                        | do.....                                | 387,925          | 351,077                                          | 327,198                                              | 399,266                                                  | 28,710                                               | 24,925                                                       |
| Laundry soap (in bar form).....                                   | do.....                                | 1,435,183        | 1,431,104                                        | 1,404,274                                            | 1,267,689                                                | 66,939                                               | 44,495                                                       |
| Granulated and powdered soap.....                                 | do.....                                | 337,291          | 421,804                                          | 404,453                                              | 369,915                                                  | 39,622                                               | 31,428                                                       |
| Other hard soaps.....                                             | do.....                                | 51,343           | 43,267                                           | 25,237                                               | 17,441                                                   | 1,911                                                | 894                                                          |
| Soap powder or washing powder.....                                | do.....                                |                  | 262,711                                          | 237,387                                              | 200,175                                                  | 10,875                                               | 6,427                                                        |
| Cleaners and scouring powders containing soap.....                | do.....                                | 505,529          | 164,067                                          | 158,344                                              | 165,774                                                  | 6,022                                                | 5,878                                                        |
| Paste soap.....                                                   | do.....                                | 40,529           | 31,623                                           | 10,952                                               | 6,489                                                    | 645                                                  | 315                                                          |
| Shaving soap, cream, and powder.....                              |                                        |                  |                                                  |                                                      |                                                          | 11,128                                               | 9,298                                                        |
| Quantity reported.....                                            | Pound.....                             | 11,094           | 10,453                                           | 9,715                                                | 10,805                                                   | 6,600                                                | 5,393                                                        |
| Quantity not reported.....                                        |                                        |                  |                                                  |                                                      |                                                          | 4,528                                                | 3,929                                                        |
| Soap stock or soap base, for sale.....                            | Pound.....                             | 4,106            | 8,978                                            | 7,685                                                | 24,267                                                   | 451                                                  | 685                                                          |
| Other and not reported by kind.....                               | do.....                                | 167,362          | 118,269                                          | 82,077                                               | 60,834                                                   | 6,081                                                | 4,712                                                        |

<sup>1</sup> For reason of adjustment, see last paragraph of general note, p. 733. No adjustment was necessary for the "Bone black, carbon black, and lampblack", and "Compressed and liquefied gases" industries.

<sup>2</sup> Includes approximately 80,000,000 pounds piped to plants making dry ice in 1931 and 64,500,000 pounds in 1933.

<sup>3</sup> Data withheld to avoid disclosing approximations of production by individual establishments.

<sup>4</sup> Basis 16 percent available phosphoric acid.

<sup>5</sup> Production in the soap industry only.

## No. 785.—MISCELLANEOUS PRODUCTS INVOLVING CHEMICAL PROCESSES—Cont.

| Product                                                                                        | Value (thousands of dollars) |                                                  |                                              |                                                          |
|------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------|----------------------------------------------|----------------------------------------------------------|
|                                                                                                | 1929                         | 1931<br>As published;<br>comparable<br>with 1929 | 1931<br>Comparable<br>with 1933 <sup>1</sup> | 1933<br>Reported<br>on standard<br>schedule <sup>1</sup> |
| <b>DRUGGISTS' PREPARATIONS</b>                                                                 |                              |                                                  |                                              |                                                          |
| Total value.....                                                                               | 181,930                      | 159,720                                          | 152,908                                      | 128,765                                                  |
| Alkaloids and derivatives.....                                                                 | 3,030                        | 7,677                                            | 7,636                                        | 7,691                                                    |
| Biological products.....                                                                       | 23,872                       | 25,830                                           | 24,474                                       | 19,597                                                   |
| For human use:                                                                                 |                              |                                                  |                                              |                                                          |
| Antitoxins.....                                                                                | 2,917                        | 2,430                                            | 2,430                                        | 1,663                                                    |
| Bacterins.....                                                                                 | 809                          | 1,020                                            | 1,004                                        | 811                                                      |
| Serums.....                                                                                    | 673                          | 1,103                                            | 1,103                                        | 915                                                      |
| Vaccines.....                                                                                  | 1,092                        | 1,140                                            | 1,142                                        | 1,119                                                    |
| Viruses.....                                                                                   | 341                          | 193                                              | 193                                          | 390                                                      |
| For animal use:                                                                                |                              |                                                  |                                              |                                                          |
| Antitoxins.....                                                                                | 635                          | 255                                              | 248                                          | 243                                                      |
| Bacterins.....                                                                                 | 777                          | 543                                              | 408                                          | 370                                                      |
| Serums.....                                                                                    | 6,803                        | 5,436                                            | 4,582                                        | 2,996                                                    |
| Vaccines.....                                                                                  | 562                          | 516                                              | 482                                          | 279                                                      |
| Viruses.....                                                                                   | 909                          | 889                                              | 754                                          | 405                                                      |
| Organo-therapeutics (for human and animal use).....                                            | 7,021                        | 11,009                                           | 10,950                                       | 10,327                                                   |
| Undistributed (not reported by kind).....                                                      | 1,334                        | 1,287                                            | 1,177                                        | —                                                        |
| Medicinal (pharmaceutical) chemicals and their salts.....                                      | 12,373                       | 15,165                                           | 14,605                                       | 8,273                                                    |
| Pharmaceutical and galenical preparations.....                                                 | 137,050                      | 111,048                                          | 106,191                                      | 93,294                                                   |
| Tinctures, fluid extracts, elixirs, sirups, etc.....                                           | ( <sup>2</sup> )             | ( <sup>2</sup> )                                 | ( <sup>2</sup> )                             | 14,729                                                   |
| Ointments, cerates, suppositories, etc.....                                                    | ( <sup>2</sup> )             | ( <sup>2</sup> )                                 | ( <sup>2</sup> )                             | 5,063                                                    |
| Pills, tablets, filled capsules, lozenges, etc.....                                            | ( <sup>2</sup> )             | ( <sup>2</sup> )                                 | ( <sup>2</sup> )                             | 24,795                                                   |
| Pharmaceutical specialties (dispensed on physicians' prescriptions or through physicians)..... | ( <sup>2</sup> )             | ( <sup>2</sup> )                                 | ( <sup>2</sup> )                             | 32,759                                                   |
| Other.....                                                                                     | ( <sup>2</sup> )             | ( <sup>2</sup> )                                 | ( <sup>2</sup> )                             | 15,948                                                   |
| <b>PATENT OR PROPRIETARY MEDICINES AND COMPOUNDS</b>                                           |                              |                                                  |                                              |                                                          |
| Total value.....                                                                               | 266,812                      | 201,489                                          | 192,504                                      | 143,129                                                  |
| Patent and proprietary packaged medicines <sup>3</sup> .....                                   | \$ 176,098                   | \$ 145,825                                       | \$ 140,805                                   | 108,871                                                  |
| Antiseptics, oral and other.....                                                               | ( <sup>2</sup> )             | ( <sup>2</sup> )                                 | ( <sup>2</sup> )                             | 13,277                                                   |
| Cough sirups and cold tablets.....                                                             | ( <sup>2</sup> )             | ( <sup>2</sup> )                                 | ( <sup>2</sup> )                             | 9,031                                                    |
| Headache remedies.....                                                                         | ( <sup>2</sup> )             | ( <sup>2</sup> )                                 | ( <sup>2</sup> )                             | 6,035                                                    |
| Inhalants, liniments, chest rubs, etc., for colds.....                                         | ( <sup>2</sup> )             | ( <sup>2</sup> )                                 | ( <sup>2</sup> )                             | 14,759                                                   |
| Laxatives.....                                                                                 | ( <sup>2</sup> )             | ( <sup>2</sup> )                                 | ( <sup>2</sup> )                             | 20,461                                                   |
| Other.....                                                                                     | ( <sup>2</sup> )             | ( <sup>2</sup> )                                 | ( <sup>2</sup> )                             | 44,408                                                   |
| Patent or proprietary compounds.....                                                           | ( <sup>2</sup> )             | ( <sup>2</sup> )                                 | ( <sup>2</sup> )                             | 34,258                                                   |
| Antiseptics.....                                                                               | ( <sup>2</sup> )             | ( <sup>2</sup> )                                 | ( <sup>2</sup> )                             | 1,198                                                    |
| Deodorants, other than for human use.....                                                      | ( <sup>2</sup> )             | 1,501                                            | 1,343                                        | 894                                                      |
| Disinfectants.....                                                                             | 7,332                        | 5,412                                            | 5,053                                        | 3,333                                                    |
| Germicides.....                                                                                | 2,433                        | 1,469                                            | 1,412                                        | 921                                                      |
| Household insecticides.....                                                                    | 15,077                       | 14,773                                           | 13,811                                       | 7,461                                                    |
| Agricultural insecticides and fungicides: <sup>4</sup>                                         |                              |                                                  |                                              |                                                          |
| Lime-sulphur solution.....                                                                     |                              |                                                  |                                              | 361                                                      |
| All other.....                                                                                 | 10,340                       | 6,095                                            | 6,391                                        | 3,075                                                    |
| Disinfectants and insecticides not reported by kind.....                                       | 3,345                        | 942                                              | 942                                          | —                                                        |
| Household ammonia.....                                                                         | 1,253                        | 1,272                                            | 1,187                                        | 709                                                      |
| Boiler compounds.....                                                                          | 5,084                        | 3,387                                            | 3,067                                        | 3,170                                                    |
| Other industrial compounds.....                                                                | <sup>11</sup> 36,200         | 19,925                                           | 18,714                                       | 13,137                                                   |
| <b>PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS</b>                                      |                              |                                                  |                                              |                                                          |
| Total value.....                                                                               | 201,889                      | 166,267                                          | 168,345                                      | 108,686                                                  |
| Perfumes and toilet waters.....                                                                | 27,462                       | 15,004                                           | 13,888                                       | 8,403                                                    |
| Creams, other than shaving cream.....                                                          | 33,347                       | 25,125                                           | 23,710                                       | 15,536                                                   |
| Lip sticks and lip rouges.....                                                                 | ( <sup>2</sup> )             | 5,100                                            | 4,939                                        | 4,055                                                    |
| Other rouges.....                                                                              | 12,309                       | 6,630                                            | 5,418                                        | 2,925                                                    |
| Dentifrices.....                                                                               | 32,464                       | 35,699                                           | 35,477                                       | 25,967                                                   |
| Deodorants for human use.....                                                                  | ( <sup>2</sup> )             | 2,802                                            | 2,820                                        | 1,841                                                    |
| Shampoos.....                                                                                  | 5,797                        | 4,087                                            | 3,940                                        | 2,693                                                    |
| Face powders.....                                                                              | 24,038                       | 18,872                                           | 18,289                                       | 12,023                                                   |
| Talcum powders.....                                                                            | 8,344                        | 8,418                                            | 8,204                                        | 4,380                                                    |
| Other toilet powders.....                                                                      | 2,340                        | 2,543                                            | 2,378                                        | 2,109                                                    |
| Hair dyes, tonics, and dressings.....                                                          | ( <sup>2</sup> )             | 15,889                                           | 18,836                                       | 8,972                                                    |
| Face lotions.....                                                                              | 56,589                       | 5,817                                            | 5,447                                        | 4,241                                                    |
| Other toilet preparations.....                                                                 | ( <sup>2</sup> )             | 21,272                                           | 20,203                                       | 15,450                                                   |

<sup>1</sup> For reasons of adjustment see last paragraph of general note, p. 733.<sup>2</sup> No comparable figures available because of changes in classification of products at the 1933 census.<sup>3</sup> Not including pharmaceutical specialties dispensed on physicians' prescriptions or through physicians. Patent and proprietary packaged medicines includes \$21,799,000 for 1929 and \$22,432,000 for 1931 for antiseptics reported as "Proprietary compounds." Schedules for these years did not provide for reporting antiseptics under the head of "Patent and proprietary packaged medicines."<sup>4</sup> No comparable figures available. The value published for 1929 (\$5,093,000) included that of deodorants for human use which are now included with "Other industrial compounds."<sup>11</sup> Not including production in the "Chemicals not elsewhere classified" industry.

Not strictly comparable with figures for 1931 and 1933. See footnote 9.

<sup>12</sup> Data incomplete.

## No. 786.—TANNING MATERIALS, NATURAL DYESTUFFS, MORDANTS AND ASSISTANTS, AND SIZES: PRODUCTION

|                                                             | Quantity (thousands of pounds) |                                                  |                                              |                                                         | Value (thousands of dollars)                 |                                                         |
|-------------------------------------------------------------|--------------------------------|--------------------------------------------------|----------------------------------------------|---------------------------------------------------------|----------------------------------------------|---------------------------------------------------------|
|                                                             | 1929                           | 1931<br>As published;<br>comparable<br>with 1929 | 1931<br>Comparable<br>with 1933 <sup>1</sup> | 1933<br>Reported on stand-<br>ard schedule <sup>1</sup> | 1931<br>Comparable<br>with 1933 <sup>1</sup> | 1933<br>Reported on stand-<br>ard schedule <sup>1</sup> |
| Total value.....                                            |                                |                                                  |                                              |                                                         | 22,994                                       | 21,058                                                  |
| Tanning extracts: <sup>2</sup>                              |                                |                                                  |                                              |                                                         |                                              |                                                         |
| Oak and chestnut.....                                       | 277, 449                       | 234, 399                                         | 233, 781                                     | 241, 015                                                | 3, 782                                       | 3, 641                                                  |
| Sumac.....                                                  | 5, 279                         | 5, 809                                           | 5, 809                                       | 6, 452                                                  | 370                                          | 301                                                     |
| Quebracho.....                                              | 100, 067                       | 70, 469                                          | 75, 747                                      | 33, 709                                                 | 1, 834                                       | 793                                                     |
| Other.....                                                  |                                |                                                  |                                              |                                                         | 349                                          | 529                                                     |
| Other tanning materials <sup>2</sup> .....                  |                                |                                                  |                                              |                                                         | 1, 761                                       | 1, 783                                                  |
| Natural dyestuffs:                                          |                                |                                                  |                                              |                                                         |                                              |                                                         |
| Extracts (logwood and quercitron).....                      | 21, 758                        | 18, 469                                          | 18, 467                                      | 12, 280                                                 | 1, 313                                       | 939                                                     |
| Other extracts, and ground, chipped<br>and dry product..... |                                |                                                  |                                              |                                                         | 302                                          | 195                                                     |
| Mordants.....                                               |                                |                                                  |                                              |                                                         | 449                                          | 459                                                     |
| Assistants, total value.....                                |                                |                                                  |                                              |                                                         | 5, 187                                       | 6, 216                                                  |
| Softeners, total value.....                                 |                                |                                                  |                                              |                                                         | 1, 639                                       | 1, 509                                                  |
| Quantity reported.....                                      | 31, 613                        | 33, 111                                          | 26, 526                                      | 22, 958                                                 | 1, 639                                       | 1, 273                                                  |
| Quantity not reported.....                                  |                                |                                                  |                                              |                                                         |                                              | 236                                                     |
| Turkey red oil, total value.....                            |                                |                                                  |                                              |                                                         | 1, 238                                       | 1, 859                                                  |
| Quantity reported.....                                      | 24, 261                        | 13, 550                                          | 12, 999                                      | 17, 573                                                 | 1, 238                                       | 1, 726                                                  |
| Quantity not reported.....                                  |                                |                                                  |                                              |                                                         |                                              | 113                                                     |
| Other.....                                                  |                                |                                                  |                                              |                                                         | 2, 310                                       | 2, 868                                                  |
| Sizes, total value.....                                     |                                |                                                  |                                              |                                                         | 7, 650                                       | 6, 233                                                  |
| Dextrin.....                                                | 33, 507                        | 25, 164                                          | 25, 106                                      | 24, 174                                                 | 1, 444                                       | 1, 448                                                  |
| Other, total value.....                                     |                                |                                                  |                                              |                                                         | 6, 206                                       | 4, 785                                                  |
| Quantity reported.....                                      | 268, 788                       | 195, 814                                         | 190, 772                                     | 162, 776                                                | 6, 206                                       | 4, 600                                                  |
| Quantity not reported.....                                  |                                |                                                  |                                              |                                                         |                                              | 185                                                     |

<sup>1</sup> For reason of adjustment see last paragraph of general note, p. 733.<sup>2</sup> Not including tanning materials made and consumed in the same establishments.

## No. 787.—RUBBER PRODUCTS

|                                              | Unit        | Quantity (thousands of unit specified) |                                                  |                                                   |                                                         | Value (thousands of dollars)                      |                                                         |
|----------------------------------------------|-------------|----------------------------------------|--------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|
|                                              |             | 1929                                   | 1931<br>As published;<br>comparable<br>with 1929 | 1931<br>Com-<br>parable<br>with 1933 <sup>1</sup> | 1933<br>Reported on stand-<br>ard schedule <sup>1</sup> | 1931<br>Com-<br>parable<br>with 1933 <sup>1</sup> | 1933<br>Reported on stand-<br>ard schedule <sup>1</sup> |
| Total value.....                             |             |                                        |                                                  |                                                   |                                                         | 808, 700                                          | 468, 615                                                |
| Tires and inner tubes:                       |             |                                        |                                                  |                                                   |                                                         |                                                   |                                                         |
| Pneumatic:                                   |             |                                        |                                                  |                                                   |                                                         |                                                   |                                                         |
| Motor-vehicle.....                           | Number..... | 143, 808                               | 98, 309                                          | 98, 309                                           | 88, 279                                                 | 358, 997                                          | 250, 494                                                |
| Motor cycle and bicycle.....                 | do.....     | 3, 737                                 | 2, 835                                           | 2, 835                                            | 3, 908                                                  | 2, 411                                            | 2, 302                                                  |
| Solid and cushion:                           |             |                                        |                                                  |                                                   |                                                         |                                                   |                                                         |
| Truck.....                                   | do.....     | 424                                    | 112                                              | 112                                               | 85                                                      | 4, 055                                            | 2, 226                                                  |
| All other.....                               | do.....     |                                        |                                                  |                                                   |                                                         | 1, 403                                            | 1, 521                                                  |
| Boots, rubber.....                           | Pair.....   | 5, 454                                 | 1, 971                                           | 1, 971                                            | 2, 622                                                  | 4, 775                                            | 4, 659                                                  |
| Shoes and overshoes, rubber.....             | do.....     | 51, 357                                | 27, 145                                          | 27, 145                                           | 32, 984                                                 | 26, 378                                           | 23, 042                                                 |
| Shoes, canvas, with rubber soles.....        | do.....     | 43, 954                                | 28, 082                                          | 28, 082                                           | 29, 689                                                 | 17, 155                                           | 13, 813                                                 |
| Heels, for sale as such.....                 | do.....     | 262, 719                               | 248, 257                                         | 246, 956                                          | 272, 604                                                | 11, 582                                           | 11, 119                                                 |
| Soles, incl. composition or fiber.....       | do.....     | 46, 189                                | 59, 606                                          | 59, 584                                           | 91, 995                                                 | 8, 383                                            | 8, 316                                                  |
| Rubberized fabrics, sold as such or on hand: |             |                                        |                                                  |                                                   |                                                         |                                                   |                                                         |
| Automobile and carriage.....                 | Yard.....   | 22, 407                                | 10, 425                                          | 10, 425                                           | 8, 620                                                  | 5, 308                                            | 3, 362                                                  |
| All other.....                               | do.....     | 70, 560                                | 53, 574                                          | 53, 245                                           | 62, 631                                                 | 12, 186                                           | 14, 836                                                 |
| Belting.....                                 | Pound.....  | 45, 024                                | 30, 806                                          | 30, 605                                           | 30, 628                                                 | 13, 608                                           | 12, 928                                                 |
| Hose and tubing.....                         | do.....     |                                        |                                                  |                                                   |                                                         | 21, 993                                           | 18, 074                                                 |
| Packing.....                                 | Pound.....  | 17, 923                                | 9, 286                                           | 9, 235                                            | 9, 328                                                  | 2, 197                                            | 1, 872                                                  |
| Druggists' and stationers' sundries.....     | do.....     |                                        |                                                  |                                                   |                                                         | 11, 024                                           | 8, 876                                                  |
| Hard-rubber goods.....                       | do.....     |                                        |                                                  |                                                   |                                                         | 11, 370                                           | 9, 927                                                  |
| All other manufactures of rubber.....        | do.....     |                                        |                                                  |                                                   |                                                         | 84, 921                                           | 75, 312                                                 |
| Reclaimed rubber.....                        | Pound.....  | 363, 696                               | 216, 509                                         | 216, 158                                          | 158, 503                                                | 9, 964                                            | 5, 965                                                  |

<sup>1</sup> For reason of adjustment see last paragraph of general note, p. 733.

Source of tables 786 and 787: Bureau of the Census, Department of Commerce.

## No. 788.—PRINTING AND PUBLISHING: CENSUS STATISTICS

| Publications                                                                                        | 1925                         | 1927        | 1929        | 1931        | 1933        |
|-----------------------------------------------------------------------------------------------------|------------------------------|-------------|-------------|-------------|-------------|
|                                                                                                     | Value (thousands of dollars) |             |             |             |             |
| <b>Total</b> .....                                                                                  | 2,241,095                    | 2,473,902   | 2,711,607   | 2,184,813   | 1,505,484   |
| Newspapers and periodicals, printed and published or published only.....                            | 1,321,611                    | 1,459,688   | 1,580,565   | 1,293,777   | 937,114     |
| Newspapers.....                                                                                     | 892,094                      | 977,648     | 1,073,119   | 885,523     | 667,820     |
| Periodicals, other than newspapers.....                                                             | 429,517                      | 482,040     | 507,445     | 407,254     | 269,294     |
| Subscriptions and sales.....                                                                        | 398,338                      | 429,467     | 460,326     | 425,267     | 367,440     |
| Advertising.....                                                                                    | 923,273                      | 1,030,221   | 1,120,238   | 868,510     | 560,674     |
| Books and pamphlets, printed and published or published only.....                                   | 154,991                      | 178,163     | 199,015     | 149,438     | 95,312      |
| Newspapers, periodicals, books, and pamphlets, printed for publication by others <sup>1</sup> ..... | 103,205                      | 109,732     | 120,518     | 156,737     | 101,372     |
| Sheet music and books of music.....                                                                 | 14,133                       | 17,147      | 16,538      | 12,204      | 593         |
| General job printing, composition sold to the trade, ready prints, and paper patterns.....          | 647,155                      | 709,173     | 785,971     | 2 575,657   | 3 371,093   |
| Aggregate circulation per issue (average for the year)                                              |                              |             |             |             |             |
| Newspapers and periodicals:                                                                         |                              |             |             |             |             |
| Daily.....                                                                                          | 38,039,682                   | 42,343,210  | 42,947,824  | 42,124,651  | 38,424,281  |
| Sunday.....                                                                                         | 25,630,056                   | 27,095,859  | 29,011,648  | 27,453,465  | 25,453,894  |
| Triweekly.....                                                                                      | 400,730                      | 468,534     | 311,777     | 215,694     | 165,703     |
| Semiweekly.....                                                                                     | 1,934,095                    | 2,026,760   | 2,982,184   | 2,637,126   | 2,836,089   |
| Weekly.....                                                                                         | 50,815,443                   | 55,985,413  | 53,378,350  | 46,964,782  | 51,413,509  |
| Monthly.....                                                                                        | 111,875,957                  | 120,693,490 | 133,048,488 | 122,670,528 | 103,192,794 |
| Quarterly.....                                                                                      | 22,840,186                   | 21,247,360  | 20,605,002  | 19,575,617  | 23,237,557  |
| All other classes.....                                                                              | 8,450,308                    | 8,156,399   | 11,514,355  | 8,353,000   | 6,334,236   |

<sup>1</sup> The inclusion of this item results in duplication in the total value of products since it represents amounts paid by publishers for work done for them, and consequently enters into the production cost and the "Value of products" (receipts for subscriptions and sales and advertising), reported by the publishers.

<sup>2</sup> In addition, lithographed or engraved labels, tags, and greeting cards valued at \$28,681,000 in 1931 and \$23,745,000 in 1933 were reported by establishments in other industries.

## No. 789.—ENGINES, TURBINES, TRACTORS, WATER WHEELS, WINDMILLS, AND LOCOMOTIVES

[Value in thousands of dollars]

| Class                                                       | 1925    | 1927    | 1929    | 1931    | 1933   |
|-------------------------------------------------------------|---------|---------|---------|---------|--------|
|                                                             |         |         |         |         |        |
| <b>Total</b> .....                                          | 314,609 | 368,181 | 468,617 | 161,161 | 58,573 |
| Steam engines and turbines.....                             | 24,411  | 22,573  | 32,415  | 14,893  | 8,443  |
| Reciprocating marine.....                                   | 636     | 1,703   |         | 493     | 161    |
| Reciprocating stationary and portable.....                  | 7,962   | 5,406   | 5,180   | 1,634   | 435    |
| Stationary turbines.....                                    | 14,055  | 14,499  |         | 8,427   | 5,670  |
| Marine turbines.....                                        | (1)     | 965     | 27,278  | 4,339   | 1,605  |
| Not reported as to type.....                                | 1,768   |         |         |         | 672    |
| Internal-combustion engines (not including tractors).....   | 117,894 | 141,161 | 166,634 | 68,279  | 29,624 |
| Diesel and semi-Diesel type—                                |         |         |         |         |        |
| Marine (Diesel).....                                        | 7,353   | 7,062   | 11,430  | 4,876   | 1,828  |
| Other.....                                                  | 15,875  | 13,347  | 15,369  | 6,978   | 3,326  |
| Other internal-combustion engines—                          |         |         |         |         |        |
| Marine—                                                     |         |         |         |         |        |
| Stationary.....                                             | 8,833   | 7,370   | 7,111   | 5,528   | 949    |
| Detachable.....                                             | 2,561   | 5,553   | 7,852   | 2,352   | 1,249  |
| Motor vehicle <sup>1</sup> .....                            | 55,624  | 63,636  | 50,654  | 15,424  | 4,147  |
| Other stationary and portable.....                          | 27,648  | 34,699  | 49,251  | 19,341  | 9,406  |
| Aircraft engines <sup>2</sup> .....                         |         | 9,494   | 24,966  | 13,780  | 8,719  |
| Tractors and traction engines.....                          | 102,905 | 136,950 | 166,997 |         |        |
| Tractors, internal-combustion.....                          | 102,647 | 139,536 | 190,953 | 57,527  | 18,004 |
| Traction engines, steam.....                                | 258     | 113     | 44      |         |        |
| Windmills.....                                              | 4,053   | 3,327   | 4,063   | 1,214   | 1,400  |
| Water turbines.....                                         | 5,338   | 5,441   | 5,028   | 6,889   | 483    |
| Engines and turbines not specified as to kind of power..... | 13,707  | 414     | 675     |         | 191    |
| Locomotives, steam.....                                     | 46,301  | 58,315  | 62,805  | 12,349  | 429    |

<sup>1</sup> No data.

<sup>2</sup> Excluding engines built for installation in motor vehicles manufactured in the same establishments.

<sup>3</sup> Includes some aviation engines for 1925.

<sup>4</sup> Excluding engines built for installation in aircraft manufactured in the same establishment. Data prior to 1927 included with motor vehicle and other stationary and portable engines (see footnote 3).

<sup>5</sup> Reported as secondary products by establishments in other industries; tractor trucks also included.

Source of tables 788 and 789: Bureau of the Census, Department of Commerce.

## No. 790.—MACHINERY: VALUE OF THE PRINCIPAL CLASSES MANUFACTURED

NOTE.—Values in thousands of dollars. The various classes of machinery listed are products of a number of industries, such as "foundry and machine-shop products," "agricultural implements," "aircraft," "electrical machinery, apparatus, and supplies," etc. This table is not an industry presentation, but a special presentation giving value of products for groups designated. The values are in part duplicated in other tables in this abstract, such as tables 791 to 795.

| Class                                                                                   | 1925        | 1927        | 1929        | 1931        | 1933     |
|-----------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|----------|
| Agricultural machinery.....                                                             | 93, 222     | 129, 595    | 167, 673    | 49, 954     | 17, 109  |
| Aircraft.....                                                                           | 8, 102      | 14, 505     | 51, 508     | 21, 790     | 15, 670  |
| Bakers' machinery and equipment.....                                                    | 17, 212     | 20, 015     | 21, 730     | 10, 876     | 7, 332   |
| Blowers and fans.....                                                                   | 18, 210     | 20, 433     | 25, 243     | 15, 323     | 6, 955   |
| Bottling machinery.....                                                                 | 10, 139     | 11, 564     | 11, 082     | 5, 663      | 9, 157   |
| Clay-working machinery (brick, pottery, etc.).....                                      | 5, 298      | 4, 308      | 4, 402      | 1, 671      | 591      |
| Canning machinery.....                                                                  | 9, 766      | 7, 339      | 8, 535      | 4, 065      | 3, 130   |
| Cars and trucks, motorized.....                                                         | (1)         | (1)         | (1)         | 2, 817      | 2, 120   |
| Cash registers, adding, calculating, and card-tabulating machines, and typewriters..... | (1)         | 143, 913    | 151, 583    | 62, 279     | 46, 577  |
| Cement and concrete machinery:                                                          |             |             |             |             |          |
| Cement-making machinery.....                                                            | 4, 146      | 4, 619      | 4, 387      | 1, 579      | 545      |
| Concrete mixers.....                                                                    | 12, 620     | 12, 674     | 11, 405     | 4, 357      | 963      |
| Other cement and concrete machinery.....                                                | 7, 640      | 3, 240      | 4, 132      | 1, 457      | 224      |
| Condensers.....                                                                         | 4, 938      | 6, 899      | 4, 386      | 2, 590      | 990      |
| Confectionery and ice-cream machinery.....                                              | 5, 143      | 6, 682      | 3, 674      | 3, 809      | 2, 667   |
| Conveying machinery:                                                                    |             |             |             |             |          |
| Bucket type.....                                                                        | (1)         | 10, 726     | 9, 387      | 2, 605      | 2, 107   |
| Belt type.....                                                                          | (1)         | 10, 520     | 14, 206     | 7, 153      | 3, 463   |
| Other.....                                                                              | (1)         | 12, 282     | 24, 944     | 12, 261     | 5, 844   |
| Cotton-ginning machinery.....                                                           | 12, 808     | 9, 543      | 11, 760     | 2, 630      | 2, 155   |
| Cranes (including hoists and derricks).....                                             | 43, 936     | 44, 454     | 57, 840     | 18, 448     | 5, 607   |
| Dairy, cheese-factory, and butter-factory machinery.....                                | 15, 177     | 16, 536     | 16, 593     | 11, 388     | 8, 327   |
| Dredging and excavating machinery:                                                      |             |             |             |             |          |
| Power shovels.....                                                                      | 26, 609     | 32, 106     | 43, 348     | 18, 609     | 4, 519   |
| Other.....                                                                              | 19, 232     | 19, 776     | 17, 397     | 11, 578     | 2, 975   |
| Electrical machinery.....                                                               | 202, 146    | 203, 995    | 253, 504    | 138, 425    | 74, 933  |
| Elevators and elevator machinery.....                                                   | 47, 430     | 43, 152     | 44, 044     | 20, 035     | 8, 322   |
| Engines (steam or internal-combustion), tractors, and water wheels.....                 | 284, 255    | 306, 539    | 401, 748    | 147, 589    | 56, 744  |
| Flour-mill and grain-mill machinery.....                                                | 7, 046      | 7, 067      | 8, 286      | 4, 342      | 2, 354   |
| Gas machines and apparatus.....                                                         | 6, 242      | 5, 082      | 5, 408      | 1, 704      | (1)      |
| Glass-making machinery.....                                                             | 2, 866      | 3, 085      | 3, 658      | 2, 545      | 1, 895   |
| Hydraulic machinery (other than for dredging).....                                      | 4, 938      | 2, 906      | 10, 082     | 4, 540      | 1, 549   |
| Laundry machinery.....                                                                  | 24, 198     | 27, 204     | 28, 893     | 14, 637     | 5, 980   |
| Lawn mowers.....                                                                        | 8, 047      | 9, 269      | 10, 953     | 6, 141      | 3, 467   |
| Leather-working machinery, other than shoe.....                                         | 2, 222      | 2, 000      | 1, 240      | 816         | 747      |
| Locomotives (steam and internal-combustion).....                                        | 48, 028     | 30, 850     | 65, 203     | 13, 073     | 787      |
| Machine tools.....                                                                      | 91, 459     | 105, 555    | 186, 374    | 58, 712     | 23, 528  |
| Metal-working machinery, other than machine tools.....                                  | 47, 353     | 39, 201     | 60, 336     | 36, 294     | 13, 530  |
| Meters, gas, water, and other liquids.....                                              | 24, 502     | 24, 978     | 25, 604     | 14, 393     | 7, 980   |
| Mining machinery (other than oil-well), including ore crushers.....                     | 38, 079     | 38, 152     | 40, 325     | 12, 570     | 8, 776   |
| Motorcycles and bicycles.....                                                           | 15, 906     | 13, 804     | 13, 727     | 10, 508     | (1)      |
| Motor vehicles, except motor cycles.....                                                | 2, 946, 821 | 2, 640, 714 | 3, 412, 056 | 1, 387, 173 | 928, 650 |
| Oil-mill machinery, cottonseed, and other.....                                          | 4, 132      | 4, 697      | 2, 533      | 1, 286      | 2, 110   |
| Oil-well machinery.....                                                                 | 47, 299     | 62, 126     | 89, 067     | 23, 105     | 20, 706  |
| Packing-house machinery.....                                                            | 5, 370      | 5, 577      | 6, 863      | 4, 622      | 2, 756   |
| Paper-mill and pulp-mill machinery.....                                                 | 21, 209     | 27, 098     | 30, 455     | 15, 793     | 8, 696   |
| Pneumatic machinery (other than pneumatic tools):                                       |             |             |             |             |          |
| Air compressors.....                                                                    | 29, 473     | 29, 319     | 39, 683     | 15, 210     | 7, 214   |
| Other pneumatic machinery.....                                                          | (1)         | (1)         | 1, 091      | 1, 657      | 397      |
| Printing machinery.....                                                                 | 68, 055     | 33, 240     | 64, 860     | 32, 324     | 13, 598  |
| Pumps (hand and power) and pumping equipment.....                                       | 121, 299    | 129, 127    | 144, 947    | 71, 555     | 35, 846  |
| Refrigerators, mechanical.....                                                          | 62, 593     | 112, 141    | 167, 149    | 128, 093    | 69, 694  |
| Refrigerating and ice-making machinery.....                                             |             |             |             | 16, 642     | 4, 115   |
| Road-making machinery.....                                                              | 26, 297     | 27, 728     | 30, 664     | 27, 006     | 11, 127  |
| Rubber-working machinery.....                                                           | 10, 184     | 9, 951      | 13, 552     | 4, 425      | 3, 347   |
| Scales and balances.....                                                                | 23, 691     | 22, 166     | 25, 385     | 12, 072     | 6, 805   |
| Sewing machines.....                                                                    | (1)         | 32, 934     | 37, 378     | 15, 252     | 10, 274  |
| Shoe machinery.....                                                                     | 11, 769     | 12, 334     | 12, 317     | 9, 755      | 8, 130   |
| Slot-vending machines.....                                                              | 4, 202      | 7, 059      | 8, 821      | 5, 861      | 5, 472   |
| Stokers, mechanical.....                                                                | 9, 420      | 10, 213     | 14, 054     | 8, 310      | 5, 029   |
| Sugar-mill machinery.....                                                               | 8, 643      | 6, 601      | 5, 046      | 1, 840      | 704      |
| Textile machinery and parts.....                                                        | 109, 354    | 102, 200    | 115, 525    | 61, 223     | 57, 862  |
| Transmission machinery.....                                                             | 15, 350     | 18, 246     | 26, 787     | 15, 326     | 9, 693   |
| Vacuum cleaners (electric).....                                                         | 40, 285     | 36, 972     | 35, 108     | 24, 847     | 14, 411  |
| Washing machines, clothes wringers, driers, and ironing machines for domestic use.....  | 70, 761     | 69, 140     | 79, 011     | 48, 281     | 42, 421  |
| Well-drilling machinery, other than oil-well.....                                       | 1, 843      | 1, 545      | 1, 463      | 1, 530      | 777      |
| Windmills.....                                                                          | 4, 053      | 8, 327      | 4, 053      | 1, 214      | 1, 490   |
| Woodworking machinery.....                                                              | 39, 620     | 29, 569     | 35, 151     | 11, 057     | 6, 100   |

<sup>1</sup>No comparable data.

<sup>2</sup>Includes motor parts.

<sup>3</sup>Excluding steam boilers made for sale as separate units.

<sup>4</sup>Includes motor-cycle side cars and parts.

<sup>5</sup>Figures include both electric and other vacuum cleaners.

Source: Bureau of the Census, Department of Commerce.



# No. 791.—ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES: VALUE OF PRODUCTS, BY CLASSES

[All figures except number and kilovolt-amperes in thousands of dollars]

| Product                                                                             | 1925             | 1927             | 1929             | 1931           | 1933           |
|-------------------------------------------------------------------------------------|------------------|------------------|------------------|----------------|----------------|
| <b>Total value</b> .....                                                            | <b>1,397,709</b> | <b>1,515,230</b> | <b>1,918,733</b> | <b>987,848</b> | <b>533,072</b> |
| <b>Generators (not specified elsewhere):</b>                                        |                  |                  |                  |                |                |
| Direct current—                                                                     |                  |                  |                  |                |                |
| Value.....                                                                          | 5,817            | 4,503            | 2,500            | 1,092          | 825            |
| Alternating current—                                                                |                  |                  |                  |                |                |
| Number.....                                                                         |                  |                  | 2,360            | 1,053          | 787            |
| Kilovolt-amperes (thousands).....                                                   |                  |                  | 3,869            | 1,310          | (1)            |
| Value.....                                                                          | 2,098            | 2,856            | 19,325           | 8,825          | 3,050          |
| <b>Synchronous condensers and frequency changers—</b>                               |                  |                  |                  |                |                |
| Number.....                                                                         | 3,074            | 3,032            |                  |                |                |
| Kilovolt-amperes (thousands).....                                                   | 17,809           | 18,335           | 203              | 85             | 37             |
| Value.....                                                                          |                  |                  | 752              | 432            | (1)            |
| <b>Automotive generators for battery charging—</b>                                  |                  |                  |                  |                |                |
| Automotive starter motors.....                                                      | 56,221           | 58,128           | 4,241            | 2,547          | 195            |
| Self-contained power and lighting outfits.....                                      |                  |                  | 28,210           | 10,584         | 7,779          |
| Transformers, induction-voltage regulators, and current-limiting reactors.....      | 11,143           | 8,239            | 32,849           | 13,044         | 9,032          |
| Motor-generator sets and dynamotors.....                                            | 62,153           | 66,804           | 84,032           | 42,742         | 13,094         |
| Control apparatus, railway, vehicle, motor, and other.....                          | 8,264            | 6,784            | 13,397           | 6,007          | 2,201          |
| Electric locomotives (mining, industrial, and railway).....                         | 31,303           | 34,181           | 44,289           | 22,186         | 15,165         |
| Stationary motors (not fan), total.....                                             | 10,331           | 9,858            | 17,706           | (2)            | (2)            |
| Fractional horsepower.....                                                          | 92,648           | 97,073           | 130,035          | 68,430         | 41,173         |
| One horsepower and over—                                                            | 28,249           | 33,903           | 51,252           | 33,648         | 23,747         |
| Direct current.....                                                                 | 15,797           | 15,628           | 22,619           | 9,060          | 3,622          |
| Alternating current.....                                                            | 48,602           | 48,142           | 62,164           | 25,723         | 13,574         |
| Not reported by kind or rating.....                                                 |                  |                  |                  |                | 230            |
| <b>Electric fans.....</b>                                                           | <b>10,654</b>    | <b>10,352</b>    | <b>10,190</b>    | <b>8,984</b>   | <b>2,437</b>   |
| <b>Storage batteries, parts and supplies.....</b>                                   | <b>110,212</b>   | <b>97,808</b>    | <b>109,001</b>   | <b>65,736</b>  | <b>52,129</b>  |
| <b>Primary batteries.....</b>                                                       | <b>40,982</b>    | <b>46,283</b>    | <b>40,334</b>    | <b>20,200</b>  | <b>15,315</b>  |
| <b>Primary battery parts and supplies.....</b>                                      | <b>4,054</b>     | <b>6,298</b>     |                  |                |                |
| <b>Carbons: Electrodes for lighting and furnaces, brushes, and specialties.....</b> | <b>13,955</b>    | <b>14,364</b>    | <b>17,049</b>    | <b>9,512</b>   | <b>8,997</b>   |
| <b>Incandescent lamps and X-ray tubes.....</b>                                      | <b>73,558</b>    | <b>87,933</b>    | <b>85,320</b>    | <b>70,502</b>  | <b>49,849</b>  |
| <b>Telegraph apparatus.....</b>                                                     | <b>2,922</b>     | <b>6,881</b>     | <b>166,293</b>   | <b>113,170</b> | <b>21,180</b>  |
| <b>Telephone apparatus.....</b>                                                     | <b>81,510</b>    | <b>115,452</b>   |                  |                |                |
| <b>Household apparatus and appliances:</b>                                          |                  |                  |                  |                |                |
| Vacuum cleaners, portable.....                                                      | 39,971           | 36,222           | 35,108           | 24,847         | 14,410         |
| Flatirons.....                                                                      | 7,998            | 7,917            | 8,018            | 5,070          | 4,639          |
| Cooking utensils.....                                                               | 7,921            | 11,668           | 13,377           | 8,250          | 5,311          |
| Ranges, disk stoves, and hot plates.....                                            | 7,901            | 12,119           | 16,933           | 9,643          | 4,189          |
| Air heaters, radiant and convector type.....                                        | 2,028            | 1,439            | 1,833            | 1,012          | 362            |
| <b>Electric-measuring instruments, meters, etc.....</b>                             | <b>31,650</b>    | <b>34,133</b>    | <b>38,523</b>    | <b>22,715</b>  | <b>9,328</b>   |
| <b>Switchboards, panel boards, cabinets, circuit breakers, and switches.....</b>    | <b>69,759</b>    | <b>71,924</b>    | <b>81,201</b>    | <b>44,832</b>  | <b>16,243</b>  |
| <b>Magnetos.....</b>                                                                | <b>9,930</b>     | <b>9,016</b>     | <b>14,461</b>    | <b>3,300</b>   | <b>(2)</b>     |
| <b>Spark plugs.....</b>                                                             | <b>13,878</b>    | <b>13,372</b>    | <b>20,244</b>    | <b>15,800</b>  | <b>12,896</b>  |
| <b>Coils (ignition).....</b>                                                        | <b>7,837</b>     | <b>8,467</b>     | <b>9,502</b>     | <b>3,734</b>   | <b>(2)</b>     |
| <b>Insulated wires and cables.....</b>                                              | <b>210,617</b>   | <b>210,048</b>   | <b>312,592</b>   | <b>120,197</b> | <b>61,226</b>  |
| <b>Railway signals and attachments.....</b>                                         | <b>14,030</b>    | <b>22,340</b>    | <b>22,572</b>    | <b>10,583</b>  | <b>(2)</b>     |
| <b>Fuses and fuse blocks.....</b>                                                   | <b>10,369</b>    | <b>10,891</b>    | <b>14,036</b>    | <b>7,761</b>   | <b>4,825</b>   |
| <b>Wiring devices.....</b>                                                          | <b>34,806</b>    | <b>32,703</b>    | <b>38,395</b>    | <b>21,778</b>  | <b>17,796</b>  |
| <b>Lightning arresters and choke coils.....</b>                                     | <b>5,961</b>     | <b>6,327</b>     | <b>8,515</b>     | <b>3,257</b>   | <b>1,592</b>   |
| <b>Electric-railway line materials.....</b>                                         | <b>4,240</b>     | <b>5,446</b>     | <b>3,261</b>     | <b>1,718</b>   | <b>1,213</b>   |
| <b>Conduits, fittings, and armored cable.....</b>                                   | <b>48,785</b>    | <b>41,717</b>    | <b>58,158</b>    | <b>33,427</b>  | <b>19,102</b>  |
| <b>Electric signaling apparatus (other than railway).....</b>                       | <b>8,571</b>     | <b>9,976</b>     | <b>12,248</b>    | <b>6,881</b>   | <b>(4)</b>     |
| <b>All other.....</b>                                                               | <b>231,307</b>   | <b>280,969</b>   | <b>393,575</b>   | <b>177,034</b> | <b>116,672</b> |

<sup>1</sup> No comparable data.

<sup>2</sup> Withheld to avoid disclosing approximations of data for individual establishments.

<sup>3</sup> No data.

<sup>4</sup> Included with "All other".

Source: Bureau of the Census, Department of Commerce.

## No. 792.—FARM EQUIPMENT: PRODUCTION

NOTE.—Data are from a series of special reports compiled annually since 1920, except for the years 1932, 1933, and 1934. Similar data are published in the 1934 and earlier issues of the Statistical Abstract

| Class                                                                   | Number   |          |                  |          | Value (thousands of dollars) |          |                  |          |
|-------------------------------------------------------------------------|----------|----------|------------------|----------|------------------------------|----------|------------------|----------|
|                                                                         | 1929     | 1930     | 1931             | 1935     | 1929                         | 1930     | 1931             | 1935     |
| All products, total value.....                                          |          |          |                  |          | 808, 822                     | 507, 002 | 214, 391         | 333, 332 |
| Plows and listers.....                                                  |          |          |                  |          | 42, 365                      | 37, 830  | 12, 084          | 19, 932  |
| Moldboard plows <sup>1</sup> .....                                      | 622, 948 | 480, 138 | 182, 506         | 339, 047 | 19, 100                      | 15, 132  | 3, 429           | 7, 887   |
| Disk plows.....                                                         | 46, 504  | 38, 106  | 9, 406           | 12, 649  | 7, 145                       | 6, 263   | 1, 673           | 1, 876   |
| Listers, 1-row.....                                                     | 37, 255  | 36, 082  | 5, 859           | 15, 039  | 913                          | 750      | 130              | 415      |
| Other plows and listers.....                                            |          |          |                  |          | 3, 555                       | 3, 159   | 947              | 978      |
| Attachments and parts, including plow stocks and steel plow shapes..... |          |          |                  |          | 11, 653                      | 12, 526  | 6, 005           | 8, 476   |
| Harrows, rollers, pulverizers, and stalk cutters.....                   |          |          |                  |          | 16, 813                      | 13, 815  | 5, 808           | 8, 098   |
| Disk harrows.....                                                       | 133, 849 | 113, 764 | 46, 853          | 82, 756  | 8, 712                       | 7, 377   | 3, 059           | 5, 195   |
| Spike-tooth and spring-tooth harrow sections.....                       | 496, 383 | 407, 752 | 163, 734         | 276, 272 | 3, 914                       | 3, 278   | 1, 287           | 2, 250   |
| Stalk cutters.....                                                      | 11, 696  | 11, 487  | 2, 297           | 5, 161   | 439                          | 415      | 86               | 166      |
| Other, including attachments and parts.....                             |          |          |                  |          | 3, 748                       | 2, 745   | 1, 425           | 1, 428   |
| Planting and fertilizing machinery.....                                 |          |          |                  |          | 31, 145                      | 28, 087  | 10, 862          | 15, 019  |
| Corn planters <sup>2</sup> .....                                        | 74, 778  | 64, 595  | 35, 926          | 34, 445  | 3, 425                       | 3, 214   | 1, 727           | 1, 365   |
| Combined corn and cotton planters <sup>2</sup> .....                    | 93, 959  | 95, 438  | 15, 393          | 49, 479  | 2, 569                       | 2, 671   | 508              | 1, 254   |
| Combined listers and drills <sup>2</sup> .....                          | 7, 004   | 15, 323  | 2, 031           | 3, 822   | 601                          | 951      | 140              | 359      |
| Grain drills.....                                                       | 70, 406  | 46, 796  | 11, 380          | 32, 410  | 10, 035                      | 6, 480   | 1, 419           | 4, 130   |
| Broadcast seeders <sup>2</sup> .....                                    | 14, 681  | 24, 990  | 10, 468          | 5, 282   | 350                          | 467      | 231              | 125      |
| Manure spreaders.....                                                   | 61, 000  | 47, 722  | 19, 707          | 31, 492  | 7, 190                       | 5, 526   | 2, 101           | 3, 015   |
| Other, including attachments and parts.....                             |          |          |                  |          | 6, 977                       | 6, 779   | 4, 734           | 4, 171   |
| Cultivators and weedeers.....                                           |          |          |                  |          | 22, 857                      | 21, 892  | 8, 695           | 11, 973  |
| 1-row, horse-drawn cultivators.....                                     | 369, 703 | 295, 942 | 107, 323         | 179, 846 | 6, 885                       | 5, 875   | 2, 011           | 2, 595   |
| 2-row, horse-drawn cultivators.....                                     | 54, 505  | 44, 659  | 10, 405          | 5, 845   | 4, 487                       | 3, 684   | 874              | 451      |
| Tractor-drawn cultivators.....                                          | 34, 634  | 56, 250  | 15, 631          | 54, 519  | 2, 903                       | 5, 154   | 1, 794           | 4, 474   |
| Hand cultivators.....                                                   | 163, 434 | 171, 213 | 160, 360         | 241, 312 | 459                          | 500      | 429              | 438      |
| Other, including attachments and parts.....                             |          |          |                  |          | 8, 123                       | 0, 879   | 3, 487           | 4, 045   |
| Harvesting machinery.....                                               |          |          |                  |          | 87, 713                      | 62, 146  | 19, 955          | 23, 667  |
| Grain binders (including rice binders).....                             | 665, 069 | 46, 166  | 15, 356          | 47, 680  | 10, 661                      | 7, 787   | 2, 451           | 7, 630   |
| Combines (harvester-threshers).....                                     | 36, 957  | 24, 409  | 5, 907           | 3, 872   | 60, 684                      | 32, 739  | 9, 195           | 3, 904   |
| Corn binders (row binders).....                                         | 15, 246  | 13, 566  | ( <sup>3</sup> ) | 19, 290  | 2, 142                       | 1, 022   | ( <sup>4</sup> ) | 2, 947   |
| Potato diggers.....                                                     | 12, 767  | 10, 055  | 4, 700           | 5, 159   | 790                          | 723      | 335              | 377      |
| Other harvesting machinery.....                                         |          |          |                  |          | 5, 398                       | 6, 651   | 2, 904           | 1, 495   |
| Attachments and parts.....                                              |          |          |                  |          | 18, 039                      | 12, 323  | 5, 071           | 7, 253   |
| Haying machinery.....                                                   |          |          |                  |          | 18, 712                      | 17, 186  | 7, 089           | 14, 763  |
| Mowers.....                                                             | 126, 360 | 117, 601 | 43, 312          | 118, 898 | 7, 050                       | 6, 406   | 2, 378           | 0, 893   |
| Rakes, sulky (dump) and sweep.....                                      | 76, 407  | 63, 070  | 24, 904          | 45, 974  | 2, 450                       | 2, 089   | 776              | 1, 504   |
| Loaders.....                                                            | 24, 920  | 28, 222  | 10, 042          | 8, 813   | 1, 901                       | 2, 278   | 828              | 655      |
| Other haying machinery.....                                             |          |          |                  |          | 2, 242                       | 2, 693   | 790              | 1, 262   |
| Attachments and parts.....                                              |          |          |                  |          | 4, 937                       | 3, 750   | 2, 310           | 4, 439   |
| Machines for preparing crops for market or use.....                     |          |          |                  |          | 30, 103                      | 20, 763  | 12, 048          | 15, 477  |
| Threshers, except peanut.....                                           | 14, 073  | 8, 886   | 4, 089           | 4, 725   | 12, 559                      | 7, 343   | 3, 212           | 3, 699   |
| Ensilage and feed cutters.....                                          | 11, 530  | 9, 811   | 5, 123           | 9, 314   | 1, 763                       | 1, 454   | 637              | 1, 604   |
| Corn shellers.....                                                      | 40, 378  | 32, 617  | 16, 853          | 61, 968  | 1, 573                       | 897      | 540              | 385      |
| Corn-huskers and shredders.....                                         | 972      | 599      | 631              | 1, 304   | 490                          | 266      | 294              | 648      |
| Hay presses.....                                                        | 3, 460   | 3, 068   | 1, 627           | 4, 724   | 1, 106                       | 1, 065   | 583              | 1, 482   |
| Feed grinders and crushers.....                                         | 101, 592 | 69, 564  | 44, 638          | 64, 966  | 3, 215                       | 2, 896   | 2, 867           | 2, 827   |
| Other, including attachments and parts.....                             |          |          |                  |          | 9, 421                       | 6, 838   | 3, 930           | 4, 831   |
| Tractors.....                                                           |          |          |                  |          | 237, 633                     | 205, 657 | 75, 572          | 147, 896 |
| Wheeled type.....                                                       | 195, 980 | 176, 075 | 61, 940          | 138, 054 | 141, 553                     | 123, 291 | 42, 601          | 83, 428  |
| Track-laying type.....                                                  | 27, 101  | 20, 222  | 7, 089           | 18, 774  | 53, 062                      | 48, 242  | 13, 316          | 37, 057  |
| Garden tractors.....                                                    | 5, 895   | 6, 161   | 2, 675           | 4, 273   | 908                          | 1, 102   | 580              | 816      |
| Attachments and parts.....                                              |          |          |                  |          | 31, 470                      | 33, 022  | 19, 065          | 26, 525  |
| Farm wagons and trucks.....                                             |          |          |                  |          | 8, 340                       | 4, 693   | 1, 894           | 5, 899   |
| Farm wagons.....                                                        | 40, 687  | 24, 243  | 10, 318          | 45, 708  | 3, 789                       | 2, 073   | 755              | 2, 948   |
| Farm trucks.....                                                        | 60, 969  | 39, 746  | 13, 043          | 49, 640  | 2, 518                       | 1, 585   | 623              | 1, 532   |
| Attachments and parts.....                                              |          |          |                  |          | 2, 032                       | 1, 035   | 506              | 1, 408   |
| Miscellaneous equipment.....                                            |          |          |                  |          | 120, 941                     | 96, 986  | 60, 433          | 70, 058  |
| Stalls, stanchions, and stock pens.....                                 |          |          |                  |          | 3, 125                       | 2, 532   | 1, 400           | 1, 087   |
| Stock tanks and waterers.....                                           | 351, 026 | 317, 797 | 204, 406         | 202, 991 | 2, 087                       | 1, 989   | 1, 174           | 1, 065   |
| Windmills and windmill towers.....                                      | 132, 166 | 94, 051  | 46, 663          | 69, 944  | 5, 411                       | 3, 554   | 1, 652           | 2, 408   |
| Other, including attachments and parts.....                             |          |          |                  |          | 110, 318                     | 88, 812  | 56, 207          | 65, 458  |

<sup>1</sup> Excludes 3-bottom and larger horse-drawn moldboard plows, and 2-way moldboard plows, included with "Other plows and listers."

<sup>2</sup> Figures include 1- and 2-row only; other corn planters, combined corn and cotton planters, and combined listers and drills, are included with "Other, including attachments and parts."

<sup>3</sup> Wheel, horse-drawn, and end-gate; wheelbarrows and other hand broadcast seeders included with "Other, etc."

<sup>4</sup> Excludes rice binders, included with "Other harvesting machinery."

<sup>5</sup> Included with "Other harvesting machinery" to avoid disclosing operations of individual establishments.

Source: Bureau of the Census, Department of Commerce.

## No. 793.—MACHINE TOOLS: NUMBER AND VALUE, BY KINDS

| Kind                                                                                    | Number  |        |        | Value (thousands of dollars) |        |        |
|-----------------------------------------------------------------------------------------|---------|--------|--------|------------------------------|--------|--------|
|                                                                                         | 1929    | 1931   | 1933   | 1929                         | 1931   | 1933   |
| Machine tools, total value.....                                                         |         |        |        | 188,374                      | 58,712 | 23,828 |
| Boring machines:                                                                        |         |        |        |                              |        |        |
| Horizontal and vertical.....                                                            | 416     | 84     | 118    | 2,296                        | 795    | 519    |
| Special types and combinations.....                                                     | (1)     | (1)    | (1)    | 3,917                        | 1,124  | 374    |
| Drilling machines:                                                                      |         |        |        |                              |        |        |
| Horizontal, vertical, and radial.....                                                   | 11,290  | 2,376  | (1)    | 14,945                       | 3,340  | 967    |
| Combination vertical and horizontal, automatic, bench, and vertical universal head..... | (1)     | (1)    | (1)    | 2,350                        | 2,065  | 669    |
| Gear-cutting machines.....                                                              | (1)     | (1)    | (1)    | 8,980                        | 3,669  | 1,030  |
| Grinding machines.....                                                                  | (1)     | (1)    | (1)    | 22,102                       | 8,662  | 3,627  |
| Lathes:                                                                                 |         |        |        |                              |        |        |
| Engine, except gap lathes.....                                                          | 8,693   | 2,807  | 2,054  | 11,759                       | 2,768  | 1,137  |
| Automatic and hand-operated horizontal turret.....                                      | 8,260   | (1)    | 443    | 31,334                       | 6,026  | 1,702  |
| Other.....                                                                              | (1)     | (1)    | (1)    | 5,461                        | 1,323  | 1,041  |
| Milling machines.....                                                                   | (1)     | (1)    | (1)    | 10,857                       | 3,845  | 1,341  |
| Presses (except forging presses).....                                                   | (1)     | (1)    | (1)    | 9,792                        | 2,460  | 1,686  |
| Portable tools (electric and pneumatic):                                                |         |        |        |                              |        |        |
| Drills:                                                                                 |         |        |        |                              |        |        |
| Number reported.....                                                                    | 133,369 | 61,399 | 24,115 | 7,033                        | 3,683  | 1,409  |
| Number not reported.....                                                                | (1)     | (1)    | (1)    |                              | 318    | 94     |
| Grinders.....                                                                           | 58,844  | 14,986 | (1)    | 8,647                        | 1,032  | 466    |
| Hammers.....                                                                            | 55,130  | 13,085 | 11,252 | 3,649                        | 1,232  | 629    |
| Other, including portable motor-driven garage equipment, etc.....                       | (1)     | (1)    | (1)    | 5,639                        | 5,779  | 2,303  |
| Threading machines (except for pipe).....                                               | (1)     | 595    | 134    | 2,792                        | 1,010  | 132    |
| Shapers.....                                                                            | (1)     | (1)    | 35     | 39,023                       | 9,682  | 58     |
| All other machine tools.....                                                            | (1)     | (1)    | (1)    |                              |        | 4,444  |

<sup>1</sup> Data incomplete.<sup>2</sup> Not strictly comparable with figures for 1931; includes data for rock drills, tampers, etc.

Source: Bureau of the Census, Department of Commerce.

## No. 794.—MACHINE-TOOL ACCESSORIES AND MACHINISTS' PRECISION TOOLS AND INSTRUMENTS: VALUE, BY KINDS

| Product                                                               | Value (thousands of dollars) |        |        | Product                                                              | Value (thousands of dollars) |       |       |
|-----------------------------------------------------------------------|------------------------------|--------|--------|----------------------------------------------------------------------|------------------------------|-------|-------|
|                                                                       | 1929                         | 1931   | 1933   |                                                                      | 1929                         | 1931  | 1933  |
| Total value.....                                                      | 133,139                      | 74,561 | 48,378 | Small tools and tool holders—Continued:                              |                              |       |       |
| Attachments and fixtures.....                                         | 98,144                       | 47,863 | 25,894 | Milling cutters (all types), end mills, slotting cutters, etc.:..... |                              |       |       |
| General equipment:                                                    |                              |        |        | Solid.....                                                           | 10,705                       | 3,326 | 2,447 |
| Chucks.....                                                           | 4,398                        | 1,000  | 714    | Inserted-teeth.....                                                  |                              | 806   | 1,212 |
| Vises (machine).....                                                  | 182                          | 30     | 81     | Reamers.....                                                         | 8,157                        | 2,145 | 1,220 |
| Attachments for machine tools:                                        |                              |        |        | Threading tools:                                                     |                              |       |       |
| Lathe.....                                                            |                              | 200    | 104    | Taps and dies (not pipe-threading):                                  |                              |       |       |
| Boring, drilling, and milling machine.....                            | 6,358                        | 1,430  | 805    | Taps.....                                                            | 6,596                        | 2,383 | 1,848 |
| Other attachments.....                                                |                              |        | 99     | Dies.....                                                            | 2,700                        | 856   | 652   |
| Other attachments and fixtures.....                                   |                              | 2,095  | 1,592  | Chasers.....                                                         | 3,251                        | 1,349 | 1,018 |
| Special equipment.....                                                | 87,206                       | 43,108 | 22,501 | Pipe-threading:                                                      |                              |       |       |
| Small tools and tool holders..                                        | (1)                          | 23,404 | 17,506 | Taps.....                                                            | 300                          | 261   | 405   |
| Arbors, collars, and collets (lathe, milling-machine, and drill)..... | 710                          | 192    | 164    | Dies.....                                                            | 1,347                        | 532   | 456   |
| Counterbores.....                                                     | 1,117                        | 323    | 56     | Pipe stocks, complete with dies.....                                 | 2,339                        | 1,084 | 650   |
| Countersinks and combination countersinks and drills.....             | 65                           | 193    | 104    | All other, and those not reported by kind.....                       |                              | 3,954 | 2,235 |
| Drills.....                                                           | 14,007                       | 4,897  | 4,608  | Precision measuring tools (micrometer and vernier).....              | 31,622                       | 2,075 | 136   |
| Hobbing cutters.....                                                  | 2,079                        | 1,106  | 484    | Gages (plug, ring, snap, thread, etc.).....                          |                              |       | 761   |
|                                                                       |                              |        |        | Other measuring tools.....                                           |                              | 1,209 | 618   |
|                                                                       |                              |        |        | Machine-tool accessories, etc., not reported by kind.....            |                              |       | 1,910 |

<sup>1</sup> Total cannot be given as value of "All other small tools and tool holders", etc., is not segregated.<sup>2</sup> Countersinks only; not comparable with figures for later years.

Source: Bureau of the Census, Department of Commerce.

## No. 795.—REFRIGERATING AND ICE-MAKING APPARATUS: PRODUCTION

| Product                                                                                                                                                                                                   | Number           |                  | Value (thousands of dollars) |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|------------------------------|---------|
|                                                                                                                                                                                                           | 1931             | 1933             | 1931                         | 1933    |
| Total value.....                                                                                                                                                                                          |                  |                  | 199,377                      | 136,194 |
| Mechanical refrigerators and refrigerating systems, compression-type (electric):                                                                                                                          |                  |                  |                              |         |
| Domestic (household):                                                                                                                                                                                     |                  |                  |                              |         |
| Self-contained, total.....                                                                                                                                                                                | 708,894          | 956,356          | 190,447                      | 175,460 |
| Capacity under 6 cu. ft.....                                                                                                                                                                              | 431,934          | 433,434          | 48,061                       | 27,347  |
| 6 cu. ft. or more but under 10 cu. ft.....                                                                                                                                                                | 260,866          | 416,310          | 38,349                       | 39,105  |
| 10 cu. ft. and over.....                                                                                                                                                                                  | 16,064           | 10,062           | 4,038                        | 1,935   |
| Not reported by size.....                                                                                                                                                                                 |                  | 96,560           |                              | 7,073   |
| Systems <sup>1</sup> complete without cabinets, all sizes.....                                                                                                                                            | 117,166          | 37,748           | 9,241                        | 1,659   |
| Commercial.....                                                                                                                                                                                           |                  |                  | 115,520                      | 17,986  |
| Water coolers, self-contained.....                                                                                                                                                                        | 20,341           | ( <sup>2</sup> ) | 2,231                        | 976     |
| Ice-cream cabinets, self-contained:                                                                                                                                                                       |                  |                  |                              |         |
| Number reported.....                                                                                                                                                                                      | 52,500           | 3,490            | 10,696                       | 614     |
| Number not reported.....                                                                                                                                                                                  |                  |                  |                              | 1,102   |
| Other commercial refrigerators and display cases, self-contained.....                                                                                                                                     | 34,465           | ( <sup>2</sup> ) | 2,564                        | 4,778   |
| Compressors and miscellaneous commercial equipment, not reported separately.....                                                                                                                          |                  |                  |                              | 517     |
| Compressors made for sale separately.....                                                                                                                                                                 |                  | 29,961           |                              | 3,484   |
| Evaporators made for sale separately:                                                                                                                                                                     |                  |                  |                              |         |
| Number reported.....                                                                                                                                                                                      | ( <sup>3</sup> ) | 16,953           | 12,824                       | 622     |
| Number not reported.....                                                                                                                                                                                  |                  | 22,292           |                              | 745     |
| High sides and low sides made for sale separately.....                                                                                                                                                    |                  |                  |                              | 739     |
| Cabinets, <sup>2</sup> display cases, etc., for mechanical refrigerators, made for sale separately:                                                                                                       |                  |                  |                              |         |
| Domestic (household), all sizes.....                                                                                                                                                                      | 318,835          | 441,278          | 10,610                       | 12,321  |
| Commercial:                                                                                                                                                                                               |                  |                  |                              |         |
| Refrigerator cabinets:                                                                                                                                                                                    |                  |                  |                              |         |
| Number reported.....                                                                                                                                                                                      |                  | 17,697           |                              | 1,129   |
| Number not reported.....                                                                                                                                                                                  |                  |                  |                              | 339     |
| Display, storage, etc., cases:                                                                                                                                                                            |                  |                  |                              |         |
| Number reported.....                                                                                                                                                                                      | ( <sup>3</sup> ) | 8,425            | 8,871                        | 3,576   |
| Number not reported.....                                                                                                                                                                                  |                  |                  |                              | 1,630   |
| Remote fountain or water coolers, with low sides.....                                                                                                                                                     |                  |                  |                              | 281     |
| Ice refrigerators and ice boxes:                                                                                                                                                                          |                  |                  |                              |         |
| Domestic (household):                                                                                                                                                                                     |                  |                  |                              |         |
| Number reported.....                                                                                                                                                                                      | 373,855          | 223,252          | 6,399                        | 3,306   |
| Number not reported.....                                                                                                                                                                                  |                  |                  | 2,229                        | 744     |
| Commercial ice refrigerators, water coolers, milk coolers, food-display cases, etc.:                                                                                                                      |                  |                  |                              |         |
| Number reported.....                                                                                                                                                                                      | 73,767           | 37,446           | 5,405                        | 1,559   |
| Number not reported.....                                                                                                                                                                                  |                  |                  | 2,148                        | 1,835   |
| Custom-built refrigerators, cabinets cooled by replaceable chemical refrigerant ("Kold-Kans", etc.) and cooling equipment therefor, and cabinets and display cases not reported by method of cooling..... |                  |                  | 3,091                        | 268     |
| Ice-making and refrigerating machines, industrial (rated ice-making capacity in tons per 24 hours).....                                                                                                   |                  |                  | 16,642                       | 4,115   |
| Less than 10 tons:                                                                                                                                                                                        |                  |                  |                              |         |
| Number reported.....                                                                                                                                                                                      |                  | 2,274            |                              | 921     |
| Number not reported.....                                                                                                                                                                                  |                  |                  |                              | 299     |
| 10 tons or more but under 100 tons:                                                                                                                                                                       |                  |                  |                              |         |
| Number reported.....                                                                                                                                                                                      | ( <sup>4</sup> ) | 1,257            | ( <sup>4</sup> )             | 921     |
| Number not reported.....                                                                                                                                                                                  |                  |                  |                              | 179     |
| 100 tons and over.....                                                                                                                                                                                    |                  | ( <sup>5</sup> ) |                              | 737     |
| Not reported separately by size.....                                                                                                                                                                      |                  |                  |                              | 1,058   |
| Absorption-type refrigerators and parts for all types <sup>6</sup> .....                                                                                                                                  |                  |                  | 15,973                       | 14,327  |

<sup>1</sup> The values of "Systems complete without cabinets" (see footnotes 2) and "Cabinets, display cases, etc." are duplicated in the totals to which this footnote is indexed, to the extent to which these products were sold to manufacturers in the industry, or were transferred from one plant to another under the same ownership for assembly and sale as complete refrigerators.

<sup>2</sup> The term "System", as used here, refers to a complete assembly, consisting of "High sides" and "Low sides" with motor, control, and expansion valve or its equivalent. The cabinet is not a part of the system.

<sup>3</sup> Data incomplete.

<sup>4</sup> No data.

<sup>5</sup> Figures combined to avoid disclosing output of an individual manufacturer of absorption-type refrigerators.

Source: Bureau of the Census, Department of Commerce.

## No. 796.—RADIO APPARATUS AND PHONOGRAPHS: PRODUCTION

| Product                                                                                                                                                                                             | Number       |                   | Value (thousands of dollars) |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|------------------------------|------------|
|                                                                                                                                                                                                     | 1931         | 1933              | 1931                         | 1933       |
| Radios, phonographs, and apparatus, total value.....                                                                                                                                                |              |                   | 1165, 382                    | 1 119, 527 |
| Receiving sets, complete (cabinets, chassis, speakers, and tubes).....                                                                                                                              |              |                   | 117, 372                     | 70, 553    |
| Number reported.....                                                                                                                                                                                | 3, 745, 682  | 3, 598, 522       | 116, 706                     | 69, 309    |
| Number not reported.....                                                                                                                                                                            |              |                   | 667                          | 1, 244     |
| For the home.....                                                                                                                                                                                   |              |                   | 113, 396                     | 56, 240    |
| Number reported.....                                                                                                                                                                                | 3, 648, 383  | 2, 896, 954       | 113, 396                     | 55, 157    |
| Number not reported.....                                                                                                                                                                            |              |                   |                              | 1, 073     |
| Covering standard broadcast band:                                                                                                                                                                   |              |                   |                              |            |
| Socket-power-operated:                                                                                                                                                                              |              |                   |                              |            |
| Factory price not over \$11.....                                                                                                                                                                    | 55, 931      | 415, 198          | 577                          | 3, 439     |
| Over \$11, but not over \$30.....                                                                                                                                                                   | 1, 981, 154  | 1, 961, 759       | 44, 291                      | 32, 256    |
| Over \$30.....                                                                                                                                                                                      | 1, 437, 450  | 311, 870          | 62, 868                      | 12, 469    |
| Battery-operated (excluding batteries).....                                                                                                                                                         | 49, 198      | 92 <sup>212</sup> | 1, 790                       | 1, 932     |
| Extending beyond standard broadcast band—all-wave receiving sets, both socket-power and battery-operated (excluding batteries).....                                                                 | 113, 572     | 115, 519          | 603                          | 5, 071     |
| Home receiving sets, not reported by kind or by price.....                                                                                                                                          | 113, 572     | (?)               | 3, 267                       | 1, 073     |
| Automobile sets.....                                                                                                                                                                                | 96, 145      | 709, 018          | 3, 076                       | 13, 598    |
| Power-operated, except police sets:                                                                                                                                                                 |              |                   |                              |            |
| Factory price not over \$22.....                                                                                                                                                                    |              |                   |                              |            |
| Over \$22.....                                                                                                                                                                                      | 3, 325       | 468, 584          | 112                          | 7, 547     |
| Police sets, both battery-operated and power-operated.....                                                                                                                                          |              | 230, 158          |                              | 5, 704     |
| Battery-operated, except police sets.....                                                                                                                                                           | 92, 320      | 1, 276            | 2, 964                       | 47         |
| Aircraft and television sets or kits, receiving sets for commercial use, and other sets not specified above.....                                                                                    |              |                   | 900                          | 715        |
| Number reported.....                                                                                                                                                                                | 1, 154       | 2, 540            | 234                          | 545        |
| Number not reported.....                                                                                                                                                                            |              |                   | 667                          | 170        |
| Tubes:                                                                                                                                                                                              |              |                   |                              |            |
| Receiving tubes.....                                                                                                                                                                                | 49, 262, 948 | 59, 859, 250      | 26, 978                      | 25, 215    |
| For replacement.....                                                                                                                                                                                | 24, 318, 052 | 36, 442, 340      | 13, 714                      | 15, 870    |
| Rectifiers (primarily for use with receiving sets).....                                                                                                                                             | 1, 299, 854  | 5, 088, 670       | 681                          | 2, 047     |
| Other, including television (neon and other converter).....                                                                                                                                         | 23, 018, 198 | 31, 353, 670      | 13, 033                      | 13, 823    |
| For initial equipment, total <sup>1</sup> .....                                                                                                                                                     | 24, 944, 796 | 23, 416, 919      | 13, 284                      | 9, 345     |
| Rectifiers (primarily for use with receiving sets).....                                                                                                                                             | 1, 393, 274  | 5, 936, 239       | 552                          | 2, 217     |
| Other tubes.....                                                                                                                                                                                    | 23, 551, 522 | 17, 480, 680      | 12, 712                      | 7, 128     |
| Transmitting tubes.....                                                                                                                                                                             | 62, 562      | (?)               | 1, 410                       | 1, 382     |
| Light-sensitive tubes; other, primarily for industrial control apparatus; rectifier tubes other than for use with receiving sets; tubes not reported as to kind.....                                | (?)          | (?)               | 947                          | 722        |
| Transmitters (including all associated equipment):                                                                                                                                                  |              |                   |                              |            |
| Broadcast.....                                                                                                                                                                                      | 182          | (?)               | 631                          | 457        |
| Aircraft.....                                                                                                                                                                                       | 270          | (?)               | 180                          | 59         |
| Ship.....                                                                                                                                                                                           | 274          | (?)               | 980                          | 518        |
| Other transmitters, for use at fixed locations.....                                                                                                                                                 | 374          | (?)               | 608                          | 331        |
| Phonographs and accessories:                                                                                                                                                                        |              |                   |                              |            |
| Phonographs for mechanical reproduction, including cabinets.....                                                                                                                                    | 37, 152      | (?)               | 530                          | 128        |
| Phonographs for electrical reproduction, including cabinets.....                                                                                                                                    | 11, 152      | (?)               | 1, 149                       | 1, 782     |
| Phonographs, number and class not reported.....                                                                                                                                                     |              |                   | 821                          |            |
| Records.....                                                                                                                                                                                        | 30, 851, 282 | (?)               | 7, 098                       | 2, 500     |
| Needles.....                                                                                                                                                                                        | (?)          | (?)               | 434                          | 345        |
| Combination radio-and-phonograph units.....                                                                                                                                                         | 73, 663      | 30, 092           | 6, 310                       | 1, 408     |
| Public-address and theater (not including motion-picture theater), sound-reproducing equipment, and home talking-moving-picture combinations.....                                                   | (?)          | (?)               | 4, 512                       | 2, 298     |
| Miscellaneous:                                                                                                                                                                                      |              |                   |                              |            |
| Receiving-set chassis for sale separately as such <sup>3</sup> .....                                                                                                                                | 405, 942     | 129, 434          | 7, 863                       | 1, 997     |
| Loud speakers for sale separately as such <sup>3</sup> .....                                                                                                                                        | (?)          | (?)               | 4, 648                       | 3, 002     |
| Microphones (all types).....                                                                                                                                                                        | 10, 225      | (?)               | 187                          | 344        |
| Other apparatus and products (including dictating machines, <sup>4</sup> dictating-machine record blanks, and combined portable receivers and transmitters), and products not reported by kind..... |              |                   | 12, 124                      | 6, 487     |

<sup>1</sup> Includes some duplication. See footnote 3.<sup>2</sup> Data incomplete.<sup>3</sup> The items to which this footnote is indexed are duplicated in the subtotals and the total at the head of the table, to the extent to which the products were sold to manufacturers of complete radio receiving sets for installation in such sets made within the year covered by the report.<sup>4</sup> Figures for dictating machines withheld to avoid disclosing data for individual establishments.

## No. 797.—VEHICLES AND AIRCRAFT: PRODUCTION

| Product                                                                                         | Number    |           |           | Value (thousands of dollars) |           |         |
|-------------------------------------------------------------------------------------------------|-----------|-----------|-----------|------------------------------|-----------|---------|
|                                                                                                 | 1929      | 1931      | 1933      | 1929                         | 1931      | 1933    |
| <b>MOTOR VEHICLES, INCLUDING CHASSIS</b>                                                        |           |           |           |                              |           |         |
| Total.....                                                                                      | 5,294,087 | 2,295,063 | 1,848,013 | 3,412,056                    | 1,387,173 | 925,650 |
| Passenger vehicles (not including busses and taxicabs).....                                     | 4,352,215 | 1,911,717 | 1,534,366 | 2,767,339                    | 1,119,817 | 753,134 |
| Closed.....                                                                                     | 3,917,370 | 1,736,393 | 1,516,343 | 2,537,938                    | 1,059,550 | 744,288 |
| Roadsters, runabouts, and other open.....                                                       | 444,845   | 125,324   | 18,023    | 229,402                      | 60,267    | 8,896   |
| Motor busses (school, sightseeing, and public-utility).....                                     | 9,072     | 4,241     | 1,574     | 31,612                       | 17,927    | 6,948   |
| Trucks.....                                                                                     | 385,756   | 243,647   | 213,683   | 269,508                      | 159,211   | 110,765 |
| Hearses and undertakers' wagons.....                                                            | 2,316     | 1,145     | 826       | 5,655                        | 2,954     | 1,911   |
| Taxicabs, truck-tractors, and commercial vehicles, not specified above.....                     | 20,549    | 5,946     | 6,114     | 28,937                       | 9,941     | 8,014   |
| Other vehicles and apparatus.....                                                               | 1,960     | 1,154     | 708       | 10,166                       | 6,163     | 2,215   |
| Chassis.....                                                                                    | 512,219   | 127,213   | 90,743    | 298,847                      | 71,162    | 45,663  |
| Passenger.....                                                                                  | 76,401    | 7,566     | 8,766     | 32,368                       | 3,739     | 3,875   |
| Commercial and bus.....                                                                         | 435,818   | 119,657   | 81,987    | 266,449                      | 67,422    | 41,788  |
| <b>MOTORCYCLES, BICYCLES, AND PARTS</b>                                                         |           |           |           |                              |           |         |
| Total value.....                                                                                |           |           |           | 21,198                       | 13,286    | (1)     |
| Motorcycles.....                                                                                | 31,912    | (2)       | (1)       | 7,543                        | (2)       | (1)     |
| Bicycles.....                                                                                   | 307,845   | 290,029   | (1)       | 6,184                        | 4,733     | (1)     |
| Parts, including value of motorcycle side cars.....                                             |           |           |           | 7,472                        | 2,852     | (1)     |
| <b>CARS, STEAM AND ELECTRIC RAILROAD</b>                                                        |           |           |           |                              |           |         |
| Total value.....                                                                                |           |           |           | 347,396                      | 101,134   | 44,749  |
| <b>Cars</b>                                                                                     |           |           |           |                              |           |         |
| Steam railroad cars, freight service, total.....                                                | 86,243    | 15,011    | 1,936     | 240,679                      | 43,841    | (3)     |
| Box and tank.....                                                                               | 37,458    | 3,233     | 1,123     | 200,376                      | 35,010    | 3,475   |
| Other.....                                                                                      | 48,785    | 11,778    | 813       | 87,128                       | 6,718     | 2,008   |
| All other cars (steam, passenger service; electric, passenger and freight; self-propelled)..... | (4)       | (4)       | (3)       | 113,448                      | 28,292    | 1,472   |
| Other products including car parts.....                                                         |           |           |           | 49,103                       | 13,831    | 8,262   |
| Receipts for repair work.....                                                                   |           |           |           | 97,717                       | 14,290    |         |
|                                                                                                 |           |           |           |                              | 38,002    | 33,012  |
| <b>CARRIAGES, WAGONS, SLEIGHS, ETC.</b>                                                         |           |           |           |                              |           |         |
| Total value.....                                                                                |           |           |           | (1)                          | 4,604     | 4,858   |
| <b>Horse-drawn vehicles</b>                                                                     |           |           |           |                              |           |         |
| Number reported.....                                                                            | (1)       | 30,262    |           | (1)                          | 1,705     | 2,439   |
| Number not reported.....                                                                        |           | 30,262    | 45,638    |                              | 1,705     | 2,067   |
|                                                                                                 |           |           |           |                              |           | 372     |
| <b>Farm wagons and farm trucks</b>                                                              |           |           |           |                              |           |         |
| Number reported.....                                                                            | (1)       | 26,859    |           | (1)                          | 1,378     | 2,353   |
| Number not reported.....                                                                        |           | 26,859    | 44,464    |                              | 1,378     | 1,951   |
|                                                                                                 |           |           |           |                              |           | 372     |
| <b>Business, wagons, including mail carriers' wagons, and public conveyances</b>                |           |           |           |                              |           |         |
| Carriages, buggies, sulkies, and two-wheeled carts.....                                         | (1)       | 823       | 100       | (1)                          | 187       | 25      |
| Sleighs and sleds (including bobsleds).....                                                     | (1)       | 2,423     | 1,074     | (1)                          | 121       | 61      |
| Wheelbarrows.....                                                                               | (1)       | 657       | (1)       | (1)                          | 19        | (9)     |
| Handcarts and pushcarts.....                                                                    | (1)       |           | (1)       | (1)                          | 1,243     | 1,548   |
| Parts.....                                                                                      | (1)       | 5,473     | (1)       | (1)                          | 73        | (4)     |
| Wagons, trucks, carts, sleds, parts, etc., not reported separately.....                         | (1)       |           |           | (1)                          | 1,532     | 435     |
|                                                                                                 |           |           |           |                              |           | 436     |
| <b>AIRCRAFT</b>                                                                                 |           |           |           |                              |           |         |
| Total value.....                                                                                |           |           |           | 70,265                       | 40,375    | 27,350  |
| Airplanes <sup>1</sup> .....                                                                    | 6,522     | 2,357     | 1,083     | 46,843                       | 17,623    | 13,449  |
| Seaplanes and amphibians <sup>2</sup> .....                                                     | 109       | 111       | 68        | 4,660                        | 4,167     | 2,222   |
| Parts.....                                                                                      |           |           |           | 10,892                       | 9,224     | 5,898   |
| All other products, including repairs and experimental work.....                                |           |           |           | 7,865                        | 9,360     | 5,781   |

<sup>1</sup> No comparable data.<sup>2</sup> Motorcycles cannot be shown separately without disclosing data for individual establishments. Value combined with that for "Parts", etc.<sup>3</sup> Data withheld to avoid disclosing output of individual establishments.<sup>4</sup> Data incomplete.<sup>5</sup> Data incomplete; not reported separately by all manufacturers.<sup>6</sup> The value for 1929 includes, in some cases, the value of engines made in the same plant and installed in the aircraft. The schedules for 1931 and 1933 called for the value of planes without engines.<sup>7</sup> For 1929, includes data for 438 rebuilt and reassembled airplanes; for 1931, 70; for 1933, 27.<sup>8</sup> For 1929, includes data for 4 rebuilt seaplanes; for 1931, 2 rebuilt amphibians and 1 rebuilt seaplane; for 1933, 1 rebuilt amphibian.

Source: Bureau of the Census, Department of Commerce.

## No. 798.—COTTON SPINDLES, COTTON CONSUMPTION, AND STOCKS

NOTE.—The statistics for 1915 to 1936 relate to the 12 months ended July 31 and those for prior years to the 12 months ended Aug. 31. Consumption is expressed in running bales, counting round as half bales, except that all figures, 1840 to 1870, inclusive, and foreign cotton in all years are in equivalent 500-pound bales. The number of active spindles represents spindles operated at some time during the year, and is not as satisfactory a measure of activity of the industry as active spindle hours.

| Year | Cotton spindles (thousands) |                     |                       |                    |                    | Spindles using cotton with other fibers (thousands) | Active cotton spindle hours (thousands) | Cotton consumed, excluding lint-ers <sup>1</sup> (thousands of bales) |                       |                    |                  |
|------|-----------------------------|---------------------|-----------------------|--------------------|--------------------|-----------------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------|-----------------------|--------------------|------------------|
|      | Total in place              | Active              |                       |                    |                    |                                                     |                                         | United States                                                         | Cotton-growing States | New England        | Other States     |
|      |                             | United States       | Cotton-growing States | New England        | Other States       |                                                     |                                         |                                                                       |                       |                    |                  |
| 1840 | ( <sup>2</sup> )            | 2,285               | 181                   | 1,597              | 506                | ( <sup>2</sup> )                                    | ( <sup>2</sup> )                        | 237                                                                   | 71                    | 159                | 7                |
| 1850 | ( <sup>2</sup> )            | 3,998               | 205                   | 2,959              | 775                | ( <sup>2</sup> )                                    | ( <sup>2</sup> )                        | 576                                                                   | 78                    | 431                | 67               |
| 1860 | ( <sup>2</sup> )            | 5,235               | 324                   | 3,859              | 1,053              | ( <sup>2</sup> )                                    | ( <sup>2</sup> )                        | 845                                                                   | 94                    | 567                | 184              |
| 1870 | ( <sup>2</sup> )            | 7,132               | 328                   | 6,498              | 1,306              | ( <sup>2</sup> )                                    | ( <sup>2</sup> )                        | 797                                                                   | 69                    | 551                | 177              |
| 1880 | ( <sup>2</sup> )            | <sup>10</sup> 6,653 | <sup>5</sup> 661      | <sup>8</sup> 6,432 | <sup>1</sup> 1,460 | ( <sup>2</sup> )                                    | ( <sup>2</sup> )                        | <sup>1</sup> 1,570                                                    | <sup>189</sup>        | <sup>1</sup> 1,129 | <sup>2</sup> 252 |
| 1890 | ( <sup>2</sup> )            | 14,384              | 1,570                 | 10,934             | 1,880              | ( <sup>2</sup> )                                    | ( <sup>2</sup> )                        | 2,518                                                                 | 539                   | 1,502              | 477              |
| 1900 | ( <sup>2</sup> )            | 19,472              | 4,368                 | 13,171             | 1,933              | ( <sup>2</sup> )                                    | ( <sup>2</sup> )                        | 3,873                                                                 | 1,523                 | 1,909              | 440              |
| 1910 | 28,929                      | 28,287              | 10,494                | 15,735             | 2,038              | ( <sup>2</sup> )                                    | ( <sup>2</sup> )                        | 4,622                                                                 | 2,234                 | 1,995              | 393              |
| 1915 | 32,841                      | 31,964              | 12,956                | 17,101             | 1,908              | 395                                                 | ( <sup>2</sup> )                        | 5,597                                                                 | 3,027                 | 2,149              | 421              |
| 1919 | 35,443                      | 34,931              | 14,846                | 18,066             | 2,019              | 429                                                 | ( <sup>2</sup> )                        | 5,756                                                                 | 3,199                 | 2,165              | 402              |
| 1920 | 35,834                      | 35,461              | 15,231                | 18,287             | 1,963              | 402                                                 | ( <sup>2</sup> )                        | 6,420                                                                 | 3,583                 | 2,397              | 440              |
| 1921 | 36,618                      | 36,047              | 15,709                | 18,388             | 1,951              | 336                                                 | ( <sup>2</sup> )                        | 4,893                                                                 | 2,997                 | 1,614              | 282              |
| 1922 | 36,946                      | 35,708              | 15,906                | 17,939             | 1,863              | 314                                                 | 59,309                                  | 5,910                                                                 | 3,730                 | 1,823              | 337              |
| 1923 | 37,409                      | 36,260              | 16,310                | 18,954             | 1,896              | 289                                                 | 101,931                                 | 6,666                                                                 | 4,248                 | 2,049              | 369              |
| 1924 | 37,804                      | 35,849              | 16,944                | 17,066             | 1,839              | 255                                                 | 84,380                                  | 6,581                                                                 | 3,858                 | 1,535              | 288              |
| 1925 | 37,929                      | 35,032              | 17,292                | 16,975             | 1,765              | 251                                                 | 81,055                                  | 6,193                                                                 | 4,220                 | 1,639              | 324              |
| 1926 | 37,586                      | 34,760              | 17,574                | 16,526             | 1,650              | 243                                                 | 93,941                                  | 6,456                                                                 | 4,500                 | 1,628              | 328              |
| 1927 | 36,696                      | 34,410              | 17,894                | 14,995             | 1,521              | 235                                                 | 102,805                                 | 7,190                                                                 | 5,194                 | 1,675              | 321              |
| 1928 | 35,540                      | 33,570              | 18,282                | 13,815             | 1,473              | 232                                                 | 96,451                                  | 6,834                                                                 | 5,114                 | 1,438              | 282              |
| 1929 | 34,820                      | 32,417              | 18,541                | 12,537             | 1,339              | 207                                                 | 99,604                                  | 7,091                                                                 | 5,392                 | 1,448              | 251              |
| 1930 | 34,025                      | 31,245              | 18,536                | 11,351             | 1,308              | 177                                                 | 87,515                                  | 6,106                                                                 | 4,749                 | 1,143              | 214              |
| 1931 | 32,673                      | 28,980              | 18,073                | 9,655              | 1,251              | 117                                                 | 75,284                                  | 5,263                                                                 | 4,148                 | 937                | 179              |
| 1932 | 31,709                      | 27,272              | 17,630                | 8,595              | 1,076              | 113                                                 | 68,755                                  | 4,866                                                                 | 4,033                 | 678                | 155              |
| 1933 | 30,893                      | 26,895              | 17,929                | 8,205              | 761                | 119                                                 | 85,265                                  | 6,137                                                                 | 5,087                 | 884                | 167              |
| 1934 | 30,942                      | 27,742              | 18,511                | 8,457              | 774                | 126                                                 | 80,419                                  | 5,700                                                                 | 4,550                 | 985                | 165              |
| 1935 | 30,093                      | 26,701              | 18,212                | 7,753              | 726                | 85                                                  | 72,526                                  | 5,361                                                                 | 4,306                 | 818                | 237              |
| 1936 | 28,147                      | 24,664              | 17,834                | 6,092              | 738                | 79                                                  | 83,960                                  | 6,351                                                                 | 5,336                 | 831                | 184              |

| Yearly average<br>or year | Consumption (thousands of bales)    |          |        |                  |         | Stocks in consuming establish-<br>ments at end of year (thou-<br>sands of bales) |                                     |               |         |         |
|---------------------------|-------------------------------------|----------|--------|------------------|---------|----------------------------------------------------------------------------------|-------------------------------------|---------------|---------|---------|
|                           | Total,<br>exclud-<br>ing<br>linters | Domestic |        |                  | Foreign | Linters                                                                          | Total,<br>exclud-<br>ing<br>linters | Do-<br>mestic | Foreign | Linters |
|                           |                                     | Total    | Upland | Sea<br>Island    |         |                                                                                  |                                     |               |         |         |
| 1906-1910                 | 4,829                               | 4,680    | 4,595  | 82               | 149     | 163                                                                              | 4,731                               | 4,738         | 58      | 639     |
| 1911-1915                 | 5,257                               | 5,051    | 4,976  | 75               | 206     | 293                                                                              | 5,222                               | 5,138         | 84      | 86      |
| 1916-1920                 | 6,388                               | 6,105    | 6,034  | 71               | 282     | 734                                                                              | 1,452                               | 1,352         | 100     | 179     |
| 1921-1925                 | 5,869                               | 5,577    | 5,568  | 9                | 292     | 599                                                                              | 1,008                               | 911           | 92      | 139     |
| 1926-1930                 | 6,735                               | 6,434    | 6,433  | 1                | 301     | 815                                                                              | 1,150                               | 1,060         | 100     | 186     |
| 1931-1935                 | 5,466                               | 5,325    | 5,325  | 1                | 140     | 720                                                                              | 1,116                               | 1,061         | 55      | 261     |
| 1919                      | 5,766                               | 5,590    | 5,539  | 51               | 176     | 468                                                                              | 1,303                               | 1,253         | 51      | 267     |
| 1920                      | 6,420                               | 6,008    | 5,960  | 48               | 417     | 342                                                                              | 1,358                               | 1,208         | 150     | 277     |
| 1921                      | 4,893                               | 4,877    | 4,858  | 19               | 216     | 516                                                                              | 1,111                               | 1,021         | 90      | 201     |
| 1922                      | 5,910                               | 5,613    | 5,604  | 9                | 297     | 639                                                                              | 1,218                               | 1,127         | 91      | 139     |
| 1923                      | 6,666                               | 6,322    | 6,316  | 6                | 344     | 646                                                                              | 1,100                               | 981           | 118     | 127     |
| 1924                      | 5,681                               | 5,353    | 5,348  | 5                | 328     | 537                                                                              | 722                                 | 638           | 84      | 101     |
| 1925                      | 6,193                               | 5,917    | 5,914  | 4                | 276     | 659                                                                              | 866                                 | 787           | 79      | 129     |
| 1926                      | 6,456                               | 6,176    | 6,174  | 2                | 280     | 804                                                                              | 1,097                               | 1,011         | 86      | 144     |
| 1927                      | 7,190                               | 6,880    | 6,879  | 1                | 310     | 806                                                                              | 1,405                               | 1,325         | 80      | 199     |
| 1928                      | 6,534                               | 6,335    | 6,334  | 1                | 299     | 780                                                                              | 1,012                               | 935           | 77      | 169     |
| 1929                      | 7,091                               | 6,778    | 6,777  | 1                | 313     | 879                                                                              | 1,052                               | 932           | 120     | 187     |
| 1930                      | 6,106                               | 5,803    | 5,803  | ( <sup>3</sup> ) | 302     | 805                                                                              | 1,183                               | 1,048         | 135     | 239     |
| 1931                      | 5,263                               | 5,084    | 5,083  | ( <sup>3</sup> ) | 179     | 714                                                                              | 996                                 | 922           | 74      | 254     |
| 1932                      | 4,866                               | 4,744    | 4,744  | ( <sup>3</sup> ) | 122     | 637                                                                              | 1,218                               | 1,163         | 55      | 301     |
| 1933                      | 6,137                               | 6,004    | 6,003  | 1                | 133     | 761                                                                              | 1,348                               | 1,298         | 50      | 322     |
| 1934                      | 5,700                               | 5,553    | 5,552  | ( <sup>3</sup> ) | 148     | 797                                                                              | 1,228                               | 1,172         | 56      | 237     |
| 1935                      | 5,361                               | 5,241    | 5,240  | 1                | 120     | 719                                                                              | 789                                 | 749           | 40      | 187     |
| 1936                      | 6,351                               | 6,220    | 6,220  | ( <sup>3</sup> ) | 131     | 734                                                                              | 897                                 | 855           | 42      | 181     |

<sup>1</sup> Includes linters for 1840 to 1900.<sup>2</sup> Includes linters for 1906 to 1908.<sup>3</sup> Less than 500 bales.<sup>4</sup> Figures not available.<sup>5</sup> Average, 1907 to 1910.<sup>6</sup> Cotton mills only.<sup>7</sup> Average, 1909 and 1910.

Source: Bureau of the Census, Department of Commerce.

## No. 799.—COTTON SPINDLE ACTIVITY AND CONSUMPTION, BY STATES

NOTE.—All data are for years ended July 31. Consumption includes both domestic and foreign cotton

| Section and State          | Cotton spindles in place (thousands) |         |         | Spindle hours (millions) |         |         | Cotton consumed, excluding linters (thousands of bales) |                    |         |         |         |
|----------------------------|--------------------------------------|---------|---------|--------------------------|---------|---------|---------------------------------------------------------|--------------------|---------|---------|---------|
|                            | 1932-33                              | 1933-34 | 1934-35 | 1932-33                  | 1933-34 | 1934-35 | 1929-1930, average                                      | 1931-1935, average | 1932-33 | 1933-34 | 1934-35 |
| United States.....         | 30,893                               | 30,942  | 30,093  | 65,265                   | 80,419  | 72,526  | 6,795                                                   | 5,466              | 6,137   | 5,700   | 5,361   |
| Cotton-growing States..... | 19,052                               | 19,331  | 19,840  | 66,366                   | 59,291  | 54,642  | 4,990                                                   | 4,425              | 5,087   | 4,550   | 4,306   |
| New England.....           | 10,810                               | 10,532  | 9,741   | 17,231                   | 19,290  | 10,245  | 1,466                                                   | 860                | 894     | 985     | 818     |
| Other States.....          | 1,030                                | 1,023   | 1,012   | 1,667                    | 1,839   | 1,639   | 279                                                     | 181                | 197     | 165     | 237     |
| Alabama.....               | 1,374                                | 1,924   | 1,921   | 6,415                    | 5,803   | 5,251   | 563                                                     | 570                | 661     | 584     | 555     |
| Connecticut.....           | 975                                  | 967     | 882     | 1,762                    | 1,751   | 1,681   | 101                                                     | 60                 | 58      | 69      | 68      |
| Georgia.....               | 3,297                                | 3,391   | 3,384   | 10,929                   | 10,354  | 9,431   | 1,139                                                   | 985                | 1,105   | 1,060   | 956     |
| Maine.....                 | 667                                  | 966     | 951     | 1,999                    | 2,029   | 1,625   | 126                                                     | 111                | 137     | 134     | 94      |
| Massachusetts.....         | 5,865                                | 5,708   | 5,375   | 8,488                    | 10,102  | 8,498   | 823                                                     | 442                | 421     | 516     | 441     |
| New Hampshire.....         | 1,118                                | 1,119   | 1,095   | 2,026                    | 2,247   | 1,885   | 208                                                     | 149                | 168     | 160     | 133     |
| New York.....              | 551                                  | 542     | 533     | 749                      | 695     | 642     | 139                                                     | 76                 | 83      | 74      | 70      |
| North Carolina.....        | 6,137                                | 6,142   | 6,129   | 18,630                   | 17,196  | 15,713  | 1,534                                                   | 1,298              | 1,472   | 1,335   | 1,250   |
| Rhode Island.....          | 1,768                                | 1,665   | 1,321   | 2,685                    | 2,870   | 2,290   | 199                                                     | 91                 | 101     | 101     | 84      |
| South Carolina.....        | 5,677                                | 5,799   | 5,840   | 24,199                   | 20,282  | 18,905  | 1,196                                                   | 1,108              | 1,324   | 1,101   | 1,056   |
| Tennessee.....             | 627                                  | 642     | 633     | 2,442                    | 1,891   | 1,879   | 157                                                     | 139                | 153     | 122     | 130     |
| Texas.....                 | 283                                  | 278     | 259     | 627                      | 691     | 455     | 122                                                     | 74                 | 86      | 87      | 68      |
| Virginia.....              | 643                                  | 653     | 655     | 1,943                    | 1,920   | 1,989   | 120                                                     | 128                | 145     | 137     | 145     |
| All other States.....      | 1,394                                | 1,393   | 1,374   | 3,000                    | 3,211   | 2,742   | 430                                                     | 314                | 320     | 310     | 389     |

Source: Bureau of the Census, Department of Commerce.

## No. 800.—EXPLOSIVES: AMOUNTS (EXCLUDING EXPORTS) MANUFACTURED AND SOLD, CONTINENTAL UNITED STATES AND ALASKA CALENDAR YEARS

NOTE.—Black blasting powder in thousands of kegs or cases of 25 pounds each; other figures in thousands of pounds. "Permissible" explosives are those approved by the Bureau of Mines as suitable for use in coal mines

| Kind and use                                  | 1927    | 1928    | 1929    | 1930    | 1931    | 1932    | 1933    | 1934    | 1935    |
|-----------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Black blasting powder.....                    | 5,268   | 14,370  | 14,802  | 13,995  | 13,193  | 12,560  | 12,668  | 12,767  | 12,768  |
| Railway and other construction work.....      | 249     | 317     | 275     | 289     | 303     | 208     | 187     | 232     | 177     |
| Coal mining.....                              | 4,503   | 4,036   | 4,082   | 3,427   | 2,711   | 2,252   | 2,239   | 2,417   | 2,404   |
| Metal mining.....                             | 86      | 84      | 91      | 56      | 46      | 18      | 20      | 24      | 27      |
| Quarrying and nonmetallic mineral mining..... | 231     | 202     | 183     | 153     | 114     | 59      | 59      | 74      | 74      |
| All other purposes.....                       | 190     | 231     | 170     | 70      | 20      | 12      | 14      | 11      | 15      |
| High explosives other than "permissible"..... | 303,468 | 292,735 | 296,993 | 291,391 | 216,157 | 137,908 | 157,849 | 206,625 | 200,324 |
| Railway and other construction work.....      | 48,253  | 50,767  | 60,060  | 78,362  | 74,964  | 63,860  | 71,055  | 95,038  | 79,709  |
| Coal mining.....                              | 34,373  | 30,077  | 31,752  | 23,148  | 19,965  | 16,173  | 17,478  | 22,212  | 21,993  |
| Metal mining.....                             | 102,122 | 96,068  | 108,939 | 91,161  | 67,431  | 29,409  | 32,539  | 45,090  | 55,841  |
| Quarrying and nonmetallic mineral mining..... | 78,506  | 74,820  | 79,505  | 68,334  | 48,568  | 29,263  | 29,985  | 24,491  | 34,222  |
| All other purposes.....                       | 40,413  | 41,032  | 46,738  | 23,398  | 15,229  | 9,203   | 6,492   | 9,195   | 8,594   |
| "Permissible" explosives.....                 | 63,847  | 60,708  | 62,669  | 53,838  | 41,578  | 32,225  | 33,927  | 39,208  | 39,170  |
| Railway and other construction work.....      | 216     | 158     | 154     | 214     | 481     | 369     | 208     | 93      | 80      |
| Coal mining.....                              | 60,942  | 57,261  | 60,244  | 52,378  | 40,611  | 31,533  | 33,218  | 38,770  | 38,665  |
| Metal mining.....                             | 191     | 231     | 165     | 183     | 10      | 35      | 28      | 28      | 76      |
| Quarrying and nonmetallic mineral mining..... | 536     | 1,243   | 370     | 502     | 230     | 93      | 434     | 287     | 329     |
| All other purposes.....                       | 1,062   | 1,514   | 1,735   | 549     | 295     | 195     | 40      | 31      | 21      |

1 Includes granular powder and pellet powder.

Source: Bureau of Mines, Department of the Interior.



## No. 801.—PRODUCTION OF MANUFACTURED TOBACCO

NOTE.—Compiled from monthly returns of manufacturers. Data relate to products manufactured in continental United States, excluding those manufactured in bonded manufacturing warehouses, which amounted to 53,197,302 cigars in 1935. Large cigars are those weighing more than 3 pounds per thousand

| Calendar year or yearly average | Tobacco and snuff (thousands of pounds) |         |        |          |                      | Cigars (thousands) |           | Cigarettes (thousands) |        |
|---------------------------------|-----------------------------------------|---------|--------|----------|----------------------|--------------------|-----------|------------------------|--------|
|                                 | Total                                   | Plug    | Twist  | Fine out | Smoking <sup>1</sup> | Large              | Small     | Large                  | Small  |
| 1901-1905                       | 346,841                                 | 175,681 |        | 11,903   | 138,402              | 20,556             | 8,513,095 | 718,720                | 7,143  |
| 1906-1910                       | 413,054                                 | 167,480 | 13,524 | 12,525   | 192,700              | 29,845             | 8,853,272 | 1,069,501              | 10,113 |
| 1911-1915                       | 437,346                                 | 168,529 | 15,017 | 10,795   | 221,865              | 31,140             | 7,087,530 | 1,063,654              | 15,685 |
| 1916-1920                       | 456,584                                 | 159,899 | 14,346 | 9,758    | 237,808              | 34,806             | 7,364,937 | 810,327                | 20,026 |
| 1921-1925                       | 409,467                                 | 115,445 | 10,105 | 8,972    | 239,151              | 37,786             | 6,991,913 | 557,300                | 16,704 |
| 1926-1930                       | 389,244                                 | 99,470  | 8,374  | 5,821    | 235,421              | 40,159             | 6,800,650 | 414,044                | 10,479 |
| 1931-1935                       | 349,304                                 |         |        |          | 252,770              | 36,983             | 6,064,071 | 245,694                | 20,434 |
| 1927                            | 336,324                                 | 103,918 | 7,988  | 6,286    | 237,934              | 40,197             | 6,519,005 | 439,419                | 11,432 |
| 1928                            | 386,333                                 | 100,648 | 8,892  | 5,180    | 231,134              | 40,475             | 6,373,182 | 416,555                | 10,403 |
| 1929                            | 381,200                                 | 96,744  | 8,188  | 5,566    | 229,585              | 41,127             | 6,518,533 | 419,890                | 9,952  |
| 1930                            | 371,766                                 | 86,274  | 7,624  | 5,059    | 232,013              | 40,766             | 5,993,890 | 383,070                | 7,367  |
| 1931                            | 371,237                                 | 79,653  | 6,377  | 4,170    | 244,182              | 39,854             | 5,347,921 | 338,997                | 5,100  |
| 1932                            | 347,279                                 | 61,945  | 4,815  | 3,354    | 241,067              | 35,994             | 4,852,723 | 278,749                | 3,374  |
| 1933                            | 342,113                                 | 61,391  | 5,042  | 3,120    | 236,461              | 36,098             | 4,300,045 | 209,515                | 2,846  |
| 1934                            | 345,566                                 | 62,760  | 5,080  | 2,970    | 237,862              | 36,894             | 4,626,780 | 221,977                | 2,882  |
| 1935 <sup>2</sup>               | 340,326                                 |         |        |          | 304,250              | 36,076             | 4,763,884 | 179,233                | 2,588  |

| State          | Number of factories Jan.<br>1, 1935, making— |        |                 | Production in 1934 (calendar year)        |                    |         |                           |             |
|----------------|----------------------------------------------|--------|-----------------|-------------------------------------------|--------------------|---------|---------------------------|-------------|
|                | Tobacco<br>and<br>snuff †                    | Cigars | Ciga-<br>rettes | Tobacco<br>and snuff<br>(1,000<br>pounds) | Cigars (thousands) |         | Cigarettes<br>(thousands) |             |
|                |                                              |        |                 |                                           | Large              | Small   | Large                     | Small       |
| Total          | 738                                          | 5,190  | 98              | 345,566                                   | 4,526,780          | 231,977 | 38,202                    | 128,976,334 |
| California     | 27                                           | 175    | 9               | 158                                       | 48,984             | 13      | 3                         | 3,600,098   |
| Connecticut    | 9                                            | 135    | 1               | 41                                        | 28,809             |         |                           | 10          |
| Florida        | 3                                            | 230    | 1               | 3                                         | 539,878            | 365     |                           | 403         |
| Illinois       | 93                                           | 556    | 3               | 27,032                                    | 38,710             |         |                           | 126         |
| Indiana        | 30                                           | 107    |                 | 108                                       | 75,770             |         |                           |             |
| Kentucky       | 41                                           | 32     | 3               | 35,794                                    | 59,605             |         | 85,206                    | 12,804,384  |
| Louisiana      | 1                                            | 19     |                 | 44                                        | 53,800             |         |                           | 185         |
| Massachusetts  | 23                                           | 299    | 10              | 339                                       | 43,054             |         | 1                         | 8,338       |
| Michigan       | 23                                           | 150    | 2               | 8,420                                     | 229,363            |         |                           | 11,625      |
| Minnesota      | 23                                           | 98     |                 | 52                                        | 14,042             |         |                           |             |
| Missouri       | 12                                           | 111    | 2               | 33,906                                    | 27,625             |         |                           | 34,847      |
| New Hampshire  | 2                                            | 54     |                 | 2                                         | 56,158             |         |                           |             |
| New Jersey     | 14                                           | 151    | 4               | 7,964                                     | 504,447            | 272     | 2                         | 5,069,962   |
| New York       | 142                                          | 1,128  | 40              | 2,251                                     | 250,805            | 4,270   | 1,551                     | 286,266     |
| North Carolina | 12                                           | 11     | 6               | 123,206                                   | 24,868             | 10,818  | 952                       | 69,660,881  |
| Ohio           | 63                                           | 322    | 1               | 48,926                                    | 263,222            | 122     |                           | 54          |
| Pennsylvania   | 89                                           | 807    | 8               | 5,648                                     | 1,768,216          | 323     | 487                       | 772,156     |
| South Carolina | 2                                            | 7      |                 | 16                                        | 132,165            |         |                           |             |
| Tennessee      | 17                                           | 19     |                 | 18,439                                    | 6,555              |         |                           |             |
| Virginia       | 8                                            | 21     | 8               | 22,727                                    | 187,134            | 196,752 |                           | 38,277,067  |
| West Virginia  | 6                                            | 48     |                 | 7,789                                     | 85,240             | 35      |                           |             |
| All other      | 93                                           | 710    |                 | 2,640                                     | 106,329            |         |                           |             |

<sup>1</sup> Includes scrap chewing tobacco.

<sup>2</sup> All tobacco, excluding snuff.

<sup>3</sup> Estimates based on sale of stamps by collectors' offices.

<sup>4</sup> Includes only those producing a taxable product, excluding 219 "quasi" manufacturers.

Source: Bureau of Internal Revenue, Treasury Department.

## No. 802.—CONSUMPTION OF TOBACCO IN THE UNITED STATES

NOTE.—All figures except per capita in thousands of pounds. Data for tobacco used in manufacture in registered factories represent the equivalent in unstemmed leaf of all tobacco. See headnote, table 803.

| Item                                         | 1929    | 1930    | 1931    | 1932    | 1933    | 1934    | 1935    |
|----------------------------------------------|---------|---------|---------|---------|---------|---------|---------|
| Leaf tobacco consumed in manufacture:        |         |         |         |         |         |         |         |
| In registered factories                      | 796,626 | 779,806 | 752,404 | 690,134 | 710,668 | 775,530 | 789,080 |
| In bond                                      | 13,267  | 4,175   | 425     | 635     | 1,283   | 943     | 1,027   |
| Manufactured tobacco imported:               |         |         |         |         |         |         |         |
| From Puerto Rico                             | 2,943   | 2,261   | 2,307   | 1,081   | 905     | 903     | 853     |
| Other countries <sup>2</sup>                 | 2,632   | 2,408   | 2,458   | 2,393   | 2,010   | 3,353   | 4,456   |
| Exports of manufactured tobacco <sup>3</sup> | 33,293  | 22,251  | 16,149  | 13,501  | 13,606  | 18,526  | 18,646  |
| Remaining for consumption                    | 781,325 | 766,399 | 741,445 | 680,741 | 701,290 | 764,204 | 776,770 |
| Per capita consumption—pounds                | 6.43    | 6.23    | 5.97    | 5.45    | 5.58    | 6.04    | 6.09    |

<sup>1</sup> See note 1, table 803.

<sup>2</sup> Imports for consumption beginning 1934; general imports for prior years.

<sup>3</sup> Represents exports to foreign countries and shipments to noncontiguous territories and possessions.

Sources: Leaf tobacco used in registered factories from reports of the Bureau of Internal Revenue; leaf tobacco used in bonded factories from reports of the Division of Customs, Treasury Department.

# No. 803.—LEAF TOBACCO: AMOUNTS CONSUMED IN THE MANUFACTURE OF CIGARS, CIGARETTES, CHEWING AND SMOKING TOBACCO, AND SNUFF.

NOTE.—All figures in thousands of pounds. Figures represent the equivalent in unstemmed leaf tobacco of stemmed leaf or scraps, cuttings, and clippings. In the following table the tobacco used in the manufacture of cigars and cigarettes was converted on the basis of 3 pounds of stemmed leaf or scraps, etc., to 4 pounds of unstemmed beginning 1915 (conversion prior to 1915 was at the ratio of 3 to 5) and of tobacco and snuff beginning 1903. For 1896 to 1902, tobacco used in manufactured tobacco and snuff was shown only under two heads, namely "leaf" and "scraps." It is probable that stemmed leaf was included with unstemmed tobacco under the head of "leaf" without the one kind being converted to the equivalent in the other. The conversion ratio of 3 to 4 was applied only to "scraps" for these years. Data exclude tobacco used in bonded manufacturing warehouses. See table 802

| Calendar year or yearly average | Total   | Cigars  | Cigarettes | Tobacco and snuff | Calendar year | Total   | Cigars  | Cigarettes | Tobacco and snuff |
|---------------------------------|---------|---------|------------|-------------------|---------------|---------|---------|------------|-------------------|
| 1896-1900.....                  | 359,053 | 87,851  | 16,235     | 254,967           | 1925.....     | 718,498 | 149,001 | 244,315    | 325,109           |
| 1901-1905.....                  | 451,461 | 124,411 | 12,444     | 314,606           | 1926.....     | 737,354 | 152,372 | 267,594    | 317,399           |
| 1906-1910.....                  | 524,193 | 139,206 | 22,079     | 362,908           | 1927.....     | 744,288 | 152,510 | 290,494    | 301,314           |
| 1911-1915.....                  | 578,283 | 151,890 | 52,207     | 374,185           | 1928.....     | 764,625 | 151,290 | 301,159    | 293,176           |
| 1916-1920.....                  | 650,460 | 155,312 | 130,207    | 364,823           | 1929.....     | 796,628 | 152,129 | 345,543    | 297,953           |
| 1921-1925.....                  | 672,077 | 151,421 | 198,060    | 322,588           | 1930.....     | 779,806 | 137,901 | 347,915    | 293,990           |
| 1926-1930.....                  | 732,540 | 149,240 | 312,633    | 300,767           | 1931.....     | 752,404 | 127,628 | 329,982    | 294,813           |
| 1931-1935 <sup>1</sup> .....    | 743,503 | 112,896 | 343,633    | 287,034           | 1932.....     | 690,134 | 104,288 | 299,029    | 286,817           |
| 1922.....                       | 645,816 | 151,709 | 169,597    | 325,510           | 1933.....     | 710,668 | 104,699 | 326,093    | 279,876           |
| 1923.....                       | 689,036 | 159,763 | 200,395    | 328,889           | 1934.....     | 775,530 | 111,123 | 375,383    | 289,024           |
| 1924.....                       | 693,868 | 153,413 | 217,700    | 322,745           | 1935.....     | 775,932 | 113,742 | 399,468    | 262,731           |

# No. 804.—DISTILLED SPIRITS, WINES, FERMENTED MALT LIQUORS, AND CEREAL BEVERAGES: PRODUCTION, TAX-PAID WITHDRAWALS AND IMPORTS

| Year ended June 30—                       | Distilled spirits, including industrial alcohol (thousand tax gallons) <sup>1</sup> |                           |              | Wines                                    |                                               | Rectified spirits and wines (thousand proof gallons) | Fermented malt liquors (thousand barrels <sup>4</sup> ) | Cereal beverages <sup>5</sup> (thousand barrels <sup>4</sup> ) |
|-------------------------------------------|-------------------------------------------------------------------------------------|---------------------------|--------------|------------------------------------------|-----------------------------------------------|------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------|
|                                           | Total                                                                               | Exclusive of fruit brandy | Fruit brandy | Still (thous. wine gallons) <sup>2</sup> | Sparkling (thous. taxable units) <sup>3</sup> |                                                      |                                                         |                                                                |
| <b>Production:<sup>6</sup></b>            |                                                                                     |                           |              |                                          |                                               |                                                      |                                                         |                                                                |
| 1905.....                                 | 153,259                                                                             | 147,811                   | 5,449        | (?)                                      | (?)                                           | 105,290                                              | 49,622                                                  | -----                                                          |
| 1910.....                                 | 163,894                                                                             | 156,238                   | 7,656        | (?)                                      | (?)                                           | 99,919                                               | 59,485                                                  | -----                                                          |
| 1915.....                                 | 140,656                                                                             | 132,134                   | 8,522        | (?)                                      | (?)                                           | 90,858                                               | 59,808                                                  | -----                                                          |
| 1918.....                                 | 178,834                                                                             | 173,476                   | 5,357        | (?)                                      | (?)                                           | 61,926                                               | 50,266                                                  | -----                                                          |
| 1920.....                                 | 101,265                                                                             | 99,618                    | 1,649        | (?)                                      | (?)                                           | 591                                                  | 9,231                                                   | -----                                                          |
| 1922.....                                 | 82,163                                                                              | 81,086                    | 1,077        | 5,828                                    | 398                                           | 55                                                   | (?)                                                     | 6,348                                                          |
| 1923.....                                 | 124,626                                                                             | 123,208                   | 1,417        | 13,975                                   | 285                                           | 57                                                   | (?)                                                     | 5,269                                                          |
| 1924.....                                 | 137,630                                                                             | 136,682                   | 947          | 8,507                                    | 1,430                                         | 346                                                  | (?)                                                     | 4,891                                                          |
| 1925.....                                 | 167,498                                                                             | 166,951                   | 548          | 3,638                                    | 62                                            | 40                                                   | (?)                                                     | 5,119                                                          |
| 1926.....                                 | 203,810                                                                             | 203,166                   | 644          | 5,841                                    | 255                                           | 20                                                   | (?)                                                     | 4,856                                                          |
| 1927.....                                 | 185,472                                                                             | 185,133                   | 338          | 4,407                                    | 38                                            | 67                                                   | (?)                                                     | 4,382                                                          |
| 1928.....                                 | 170,515                                                                             | 170,103                   | 412          | 4,922                                    | 11                                            | 46                                                   | (?)                                                     | 4,101                                                          |
| 1929.....                                 | 203,254                                                                             | 202,050                   | 1,194        | 11,382                                   | 409                                           | 36                                                   | (?)                                                     | 3,866                                                          |
| 1930.....                                 | 195,257                                                                             | 194,841                   | 416          | 3,155                                    | 445                                           | 31                                                   | (?)                                                     | 3,681                                                          |
| 1931.....                                 | 170,394                                                                             | 169,574                   | 820          | 6,659                                    | 1                                             | 22                                                   | (?)                                                     | 3,137                                                          |
| 1932.....                                 | 150,391                                                                             | 149,760                   | 631          | 5,210                                    | 1                                             | (?)                                                  | (?)                                                     | 2,766                                                          |
| 1933.....                                 | 123,405                                                                             | 121,819                   | 1,586        | 18,756                                   | 573                                           | (?)                                                  | 109,798                                                 | 1,261                                                          |
| 1934.....                                 | 241,610                                                                             | 233,036                   | 8,574        | 77,785                                   | 10,658                                        | (?)                                                  | 107,678                                                 | 136                                                            |
| 1935.....                                 | 349,772                                                                             | 339,895                   | 9,877        | 91,729                                   | 6,214                                         | 23,094                                               | 45,290                                                  | 131                                                            |
| 1936.....                                 | 449,994                                                                             | 429,900                   | 20,094       | 171,342                                  | 8,277                                         | 32,448                                               | 51,812                                                  | 119                                                            |
| <b>Withdrawals, tax-paid:<sup>7</sup></b> |                                                                                     |                           |              |                                          |                                               |                                                      |                                                         |                                                                |
| 1934.....                                 | 38,601                                                                              | 37,557                    | 1,044        | 14,521                                   | 5,689                                         | -----                                                | 32,265                                                  | 13 135                                                         |
| 1935.....                                 | 75,074                                                                              | 73,639                    | 1,435        | 35,400                                   | 5,275                                         | -----                                                | 42,229                                                  | 13 126                                                         |
| 1936.....                                 | 100,383                                                                             | 98,734                    | 1,649        | 47,321                                   | 5,865                                         | -----                                                | 48,760                                                  | 13 119                                                         |
| <b>Imports for consumption:</b>           |                                                                                     |                           |              |                                          |                                               |                                                      |                                                         |                                                                |
| 1935.....                                 | 14 18 7,183                                                                         | 14 15 6,724               | 14 459       | 2,443                                    | 18 289                                        | 302                                                  | 22                                                      | -----                                                          |
| 1936.....                                 | 14 15 9,520                                                                         | 14 15 9,066               | 14 464       | 2,527                                    | 18 282                                        | 320                                                  | 46                                                      | -----                                                          |

<sup>1</sup> In computing taxable gallons all fractional parts of a proof gallon less than one-tenth are excluded.

<sup>2</sup> Production represents the amount removed from fermenters including wine that is removed for use as distilling material in the production of brandy.

<sup>3</sup> Includes champagne, other sparkling wines, and artificially carbonated wine. The tax is payable "on each one-half pint or fraction thereof" of "each bottle or other container."

<sup>4</sup> Barrels of not more than 31 gallons.

<sup>5</sup> Contains less than one-half of 1 percent alcohol by volume.

<sup>6</sup> Includes data for Hawaii; industrial alcohol figures also include data for Puerto Rico beginning 1931.

<sup>7</sup> No data compiled by Bureau of Internal Revenue.

<sup>8</sup> No legal production.

<sup>9</sup> Includes 1,583,788 barrels produced prior to Apr. 7 (effective date of the Act of Mar. 22, 1933).

<sup>10</sup> Alcoholic content limited to 3.2 percent by weight prior to Dec. 5, 1933.

<sup>11</sup> Subject to revision.

<sup>12</sup> Does not include brandy withdrawn for the fortification of sweet wine.

<sup>13</sup> Total withdrawals; tax law repealed, effective May 10, 1934.

<sup>14</sup> In thousands of proof gallons.

<sup>15</sup> Does not include 40,206 gallons (regulation) of ethyl alcohol (pure grain) for 1935 and 44,289 for 1936, not convertible into proof gallons.

<sup>16</sup> In thousands of wine gallons.

Source of Tables 803 and 804: Bureau of Internal Revenue, Treasury Department.

No. 805.—DENATURED ALCOHOL<sup>1</sup>

| Year ended June 30— | Alcohol produced at industrial alcohol plants <sup>2</sup> | Denaturing plants | Ethyl alcohol withdrawn for denaturation <sup>3</sup> | Denatured alcohol produced |                     |                     |
|---------------------|------------------------------------------------------------|-------------------|-------------------------------------------------------|----------------------------|---------------------|---------------------|
|                     |                                                            |                   |                                                       | Completely denatured       | Specially denatured | Total               |
|                     | <i>Proof gallons</i>                                       |                   | <i>Proof gallons</i>                                  | <i>Wine gallons</i>        | <i>Wine gallons</i> | <i>Wine gallons</i> |
| 1910.....           |                                                            | 12                | 10,605,871                                            | 5,076,925                  | 3,002,103           | 6,079,027           |
| 1915.....           |                                                            | 23                | 26,411,719                                            | 5,386,647                  | 8,599,822           | 13,986,469          |
| 1920.....           | 18,933,551                                                 | 52                | 45,640,949                                            | 13,828,408                 | 16,307,947          | 28,836,356          |
| 1924.....           | 135,897,726                                                | 83                | 121,576,196                                           | 34,602,004                 | 33,086,262          | 67,687,266          |
| 1925.....           | 166,165,518                                                | 91                | 148,970,221                                           | 46,989,970                 | 34,824,303          | 81,808,273          |
| 1926.....           | 202,271,670                                                | 97                | 191,670,107                                           | 65,881,442                 | 39,494,444          | 105,375,886         |
| 1927.....           | 184,323,017                                                | 94                | 170,633,437                                           | 56,093,745                 | 39,354,228          | 95,448,677          |
| 1928.....           | 169,149,905                                                | 82                | 169,689,378                                           | 46,966,601                 | 45,451,424          | 92,418,028          |
| 1929.....           | 200,832,061                                                | 77                | 182,778,966                                           | 52,405,452                 | 54,555,006          | 106,960,458         |
| 1930.....           | 191,859,343                                                | 67                | 181,601,420                                           | 58,141,741                 | 47,645,797          | 105,787,538         |
| 1931.....           | 168,109,617                                                | 61                | 151,285,854                                           | 50,000,627                 | 37,414,521          | 87,415,148          |
| 1932.....           | 146,950,913                                                | 50                | 134,793,678                                           | 35,002,096                 | 44,641,536          | 79,543,432          |
| 1933.....           | 115,609,754                                                | 43                | 106,426,625                                           | 27,276,071                 | 35,800,271          | 63,076,342          |
| 1934.....           | 165,103,582                                                | 41                | 136,887,896                                           | 27,174,311                 | 55,067,092          | 82,241,403          |
| 1935.....           | 180,045,920                                                | 39                | 162,662,725                                           | 38,746,679                 | 58,284,895          | 97,031,074          |
| 1936.....           | 196,126,236                                                | 37                | 173,955,470                                           | 36,522,358                 | 64,955,485          | 101,477,843         |

<sup>1</sup> Includes data for Hawaii for all years and data for Puerto Rico beginning with 1931.<sup>2</sup> Separate accounts for alcohol produced at industrial alcohol plants required commencing May 1, 1920.<sup>3</sup> Figures include rum, but exclude ethyl alcohol removed to vinegar plants.

Source: Bureau of Internal Revenue, Treasury Department.

## No. 806.—MOTION-PICTURE PRODUCTION: SUMMARY OF CENSUS STATISTICS

NOTE.—All money figures are in thousands of dollars. Data represent the activities of the motion-picture studios and laboratories. They do not include the distribution of films and their projection in theaters. No data are included for establishments which reported less than \$5,000 as the cost of work done. The motion-picture industry has been canvassed, since 1921, in connection with the biennial census of manufactures. It is not, however, a manufacturing industry, but was treated as such prior to 1931.

| Year and State          | Number of establishments | Persons engaged     |                                  | Salaries and wages  |        | Cost of contract work | Cost of studio supplies, fuel, etc. <sup>1</sup> | Cost of production |
|-------------------------|--------------------------|---------------------|----------------------------------|---------------------|--------|-----------------------|--------------------------------------------------|--------------------|
|                         |                          | Salaried employees  | Wages earners (average for year) | Salaries            | Wages  |                       |                                                  |                    |
| UNITED STATES           |                          |                     |                                  |                     |        |                       |                                                  |                    |
| 1921.....               | 127                      | 4,400               | 6,269                            | 22,953              | 14,740 | 503                   | 31,190                                           | 77,397             |
| 1923.....               | 97                       | 3,496               | 6,408                            | 21,824              | 16,601 | 1,609                 | 30,657                                           | 86,418             |
| 1925.....               | 132                      | 5,945               | 5,573                            | 35,951              | 13,066 | 5,399                 | 33,268                                           | 93,636             |
| 1927.....               | 142                      | 7,598               | 8,415                            | 56,299              | 18,637 | 15,477                | 34,867                                           | 134,343            |
| 1929.....               | 142                      | 8,818               | 10,784                           | 60,188              | 24,860 | 11,312                | 38,441                                           | 184,102            |
| 1931.....               | 140                      | <sup>2</sup> 14,839 |                                  | <sup>2</sup> 70,637 |        | 12,016                | 32,222                                           | 154,436            |
| 1933.....               | 92                       | 8,260               | 10,777                           | 52,948              | 18,395 | 4,028                 | 26,163                                           | 119,343            |
| STATES, 1933            |                          |                     |                                  |                     |        |                       |                                                  |                    |
| California.....         | 39                       | 7,395               | 9,022                            | 50,484              | 15,460 | 2,037                 | 17,093                                           | 97,748             |
| Los Angeles.....        | 28                       | 4,590               | 5,106                            | 26,509              | 8,080  | 936                   | 9,556                                            | 52,703             |
| Remainder of State..... | 11                       | 2,805               | 3,916                            | 23,975              | 7,380  | 1,101                 | 7,536                                            | 45,046             |
| Illinois.....           | 8                        | 54                  | 108                              | 128                 | 185    | 5                     | 334                                              | 854                |
| New York.....           | 24                       | 599                 | 1,149                            | 2,057               | 2,111  | 1,631                 | 5,619                                            | 16,327             |
| Other States.....       | 21                       | 212                 | 498                              | 280                 | 639    | 55                    | 2,808                                            | 5,414              |

## PRODUCTS, BY KIND AND COST, AND RECEIPTS FOR WORK DONE

|                                   | 1927    | 1929    | 1931    | 1933    |                                            | 1927   | 1929   | 1931   | 1933   |
|-----------------------------------|---------|---------|---------|---------|--------------------------------------------|--------|--------|--------|--------|
| Total cost of work done.....      | 134,343 | 184,102 | 154,436 | 116,343 | Laboratory work: Positive films, cost..... | 12,491 | 10,646 | 12,556 | 7,626  |
| Negative films, cost.....         | 96,048  | 128,497 | 108,560 | 82,280  | Receipts for work done for others.....     | 11,922 | 21,106 | 14,332 | 11,835 |
| Theatrical: Number.....           | 1,347   | 1,204   | 1,227   | 1,059   | Value of other work done.....              | 615    | 1,843  | 2,802  | 1,520  |
| Cost.....                         | 92,594  | 118,716 | 100,065 | 77,536  | Receipts for use of studio facilities..... | (*)    | 4,338  | 1,457  | 1,502  |
| News, cost.....                   | 2,500   | 6,152   | 3,422   | 3,476   |                                            |        |        |        |        |
| Advertising, cost.....            | 617     | 3,377   | 4,664   | 168     |                                            |        |        |        |        |
| Educational, cost.....            | 337     | 251     | 409     |         |                                            |        |        |        |        |
| Unfinished productions, cost..... | 13,267  | 17,873  | 14,729  | 14,581  |                                            |        |        |        |        |

<sup>1</sup> Includes cost of studio supplies, containers for films, fuel, and purchased electric energy.<sup>2</sup> Data cover "productive employees" only. These include all wage earners and a part, but not all of the salaried employees. Figures are not, therefore, comparable with either the wage-earner figures or with the total number of persons engaged. Data for other years cover all classes of employees.<sup>3</sup> Combined to avoid disclosing approximations of data for individual establishments.<sup>4</sup> Not reported separately.

Source: Bureau of the Census, Department of Commerce.

# No. 807.—PATENTS AND CERTIFICATES OF REGISTRATION ISSUED SINCE INITIATION OF THE PATENT SYSTEM

NOTE.—The number of patents granted prior to July 28, 1836, was 9,957

| Calendar year or period | Patent applications <sup>1</sup> | Caveats filed <sup>2</sup> | Patents issued |         |         |          | Certificates of registration issued |             |                     |        |        |
|-------------------------|----------------------------------|----------------------------|----------------|---------|---------|----------|-------------------------------------|-------------|---------------------|--------|--------|
|                         |                                  |                            | Total          | Patents | Designs | Reissues | Total                               | Trade-marks | Trade-mark renewals | Labels | Prints |
| 1836-1850 <sup>3</sup>  | 44,062                           | 4,763                      | 8,387          | 7,864   | 4340    | 6183     | 922                                 |             |                     |        |        |
| 1851-1860               | 44,302                           | 9,571                      | 25,087         | 23,140  | 1,025   | 922      |                                     |             |                     |        |        |
| 1861-1870               | 128,768                          | 22,228                     | 85,910         | 79,612  | 3,181   | 31,117   | 7121                                | 7121        |                     |        |        |
| 1871-1880               | 206,436                          | 29,550                     | 138,355        | 125,520 | 7,535   | 5,300    | 10,395                              | 8,017       |                     |        |        |
| 1881-1890               | 352,475                          | 25,012                     | 217,821        | 207,850 | 8,357   | 1,614    | 14,660                              | 10,636      |                     |        |        |
| 1891-1900               | 410,049                          | 21,199                     | 234,959        | 220,840 | 13,374  | 742      | 18,794                              | 16,903      |                     |        |        |
| 1901-1905               | 253,417                          | 9,168                      | 148,291        | 143,791 | 3,953   | 547      | 18,590                              | 12,768      |                     | 4,579  | 1,243  |
| 1906-1910               | 307,187                          | 8,880                      | 175,618        | 171,500 | 3,297   | 761      | 30,375                              | 32,060      |                     | 2,856  | 1,450  |
| 1911-1915               | 350,937                          |                            | 194,387        | 193,241 | 7,295   | 851      | 32,381                              | 27,309      |                     | 3,522  | 1,490  |
| 1916-1920               | 368,737                          |                            | 207,108        | 197,644 | 8,466   | 978      | 35,364                              | 30,981      |                     | 3,411  | 1,272  |
| 1921-1925               | 427,127                          |                            | 217,525        | 208,977 | 12,326  | 1,222    | 31,566                              | 28,881      | 11                  | 2,278  | 7,361  |
| 1926-1930               | 459,904                          |                            | 234,857        | 219,384 | 13,796  | 1,677    | 96,729                              | 71,469      |                     | 12,067 | 8,736  |
| 1931-1935               | 342,861                          |                            | 256,219        | 236,253 | 15,079  | 1,887    | 72,783                              | 52,432      |                     | 0,282  | 8,466  |
| 1901                    | 46,449                           | 1,842                      | 27,373         | 25,658  | 1,734   | 81       | 2,935                               | 1,928       |                     | 878    | 159    |
| 1902                    | 49,641                           | 1,851                      | 27,880         | 27,136  | 640     | 110      | 2,931                               | 2,006       |                     | 767    | 158    |
| 1903                    | 50,213                           | 1,771                      | 31,699         | 31,046  | 536     | 117      | 3,446                               | 2,186       |                     | 990    | 270    |
| 1904                    | 52,143                           | 1,808                      | 30,934         | 30,267  | 557     | 110      | 3,569                               | 2,158       |                     | 1,114  | 297    |
| 1905                    | 54,971                           | 1,896                      | 30,390         | 29,784  | 486     | 129      | 5,079                               | 4,490       |                     | 830    | 359    |
| 1906                    | 56,482                           | 1,885                      | 31,965         | 31,181  | 625     | 159      | 11,933                              | 10,568      |                     | 709    | 656    |
| 1907                    | 58,762                           | 1,967                      | 36,520         | 35,880  | 589     | 151      | 8,880                               | 7,878       |                     | 667    | 315    |
| 1908                    | 61,475                           | 2,110                      | 33,682         | 32,757  | 757     | 168      | 6,029                               | 5,191       |                     | 518    | 220    |
| 1909                    | 65,839                           | 1,948                      | 37,421         | 36,574  | 687     | 160      | 4,824                               | 4,184       |                     | 492    | 148    |
| 1910                    | 64,629                           | 970                        | 35,930         | 35,198  | 669     | 123      | 4,729                               | 4,239       |                     | 370    | 120    |
| 1911                    | 69,121                           |                            | 34,084         | 32,917  | 1,010   | 157      | 5,112                               | 4,205       |                     | 559    | 248    |
| 1912                    | 70,976                           |                            | 37,731         | 36,231  | 1,342   | 158      | 5,896                               | 5,020       |                     | 633    | 243    |
| 1913                    | 70,367                           |                            | 35,788         | 33,941  | 1,683   | 164      | 6,063                               | 5,065       |                     | 708    | 290    |
| 1914                    | 70,404                           |                            | 41,850         | 39,945  | 1,715   | 190      | 7,874                               | 6,817       |                     | 719    | 338    |
| 1915                    | 70,069                           |                            | 44,934         | 43,207  | 1,545   | 182      | 7,430                               | 6,282       |                     | 803    | 371    |
| 1916                    | 71,033                           |                            | 45,927         | 43,970  | 1,750   | 198      | 8,087                               | 6,791       |                     | 864    | 432    |
| 1917                    | 70,873                           |                            | 42,760         | 41,069  | 1,512   | 179      | 6,197                               | 5,339       |                     | 613    | 245    |
| 1918                    | 59,800                           |                            | 39,941         | 38,569  | 1,207   | 165      | 4,912                               | 4,061       |                     | 654    | 197    |
| 1919                    | 80,638                           |                            | 38,598         | 36,872  | 1,523   | 203      | 4,874                               | 4,208       |                     | 520    | 146    |
| 1920                    | 86,893                           |                            | 39,882         | 37,164  | 2,485   | 233      | 11,294                              | 10,282      |                     | 790    | 252    |
| 1921                    | 93,395                           |                            | 41,401         | 37,885  | 3,277   | 239      | 13,605                              | 11,654      |                     | 1,485  | 466    |
| 1922                    | 86,028                           |                            | 40,297         | 38,414  | 1,627   | 256      | 14,992                              | 12,793      |                     | 1,612  | 587    |
| 1923                    | 76,189                           |                            | 40,787         | 38,634  | 1,927   | 226      | 16,725                              | 14,845      |                     | 1,261  | 619    |
| 1924                    | 80,888                           |                            | 45,500         | 42,594  | 2,671   | 235      | 17,562                              | 15,749      |                     | 1,278  | 535    |
| 1925                    | 84,627                           |                            | 49,540         | 46,450  | 2,824   | 266      | 18,682                              | 15,840      | 2,278               | 1,726  | 839    |
| 1926                    |                                  |                            |                |         |         |          |                                     |             |                     |        |        |
| 1927                    | 86,116                           |                            | 47,627         | 44,750  | 2,602   | 275      | 21,819                              | 14,964      | 4,232               | 1,686  | 887    |
| 1928                    | 92,122                           |                            | 44,444         | 41,781  | 2,387   | 320      | 20,548                              | 14,586      | 3,063               | 1,807  | 1,092  |
| 1929                    | 92,726                           |                            | 45,899         | 42,376  | 3,188   | 335      | 19,034                              | 14,142      | 2,049               | 1,921  | 972    |
| 1930                    | 94,738                           |                            | 48,565         | 45,284  | 2,907   | 374      | 18,087                              | 14,526      | 1,008               | 1,711  | 842    |
| 1931                    | 94,203                           |                            | 48,322         | 45,243  | 2,712   | 367      | 17,191                              | 13,251      | 1,665               | 1,611  | 664    |
| 1932                    |                                  |                            |                |         |         |          |                                     |             |                     |        |        |
| 1933                    | 84,423                           |                            | 55,103         | 51,771  | 2,937   | 395      | 15,328                              | 11,407      | 1,643               | 1,083  | 595    |
| 1934                    | 71,864                           |                            | 56,856         | 53,519  | 2,944   | 395      | 13,196                              | 9,613       | 1,887               | 1,443  | 453    |
| 1935                    | 60,633                           |                            | 51,563         | 48,819  | 2,411   | 333      | 12,758                              | 9,140       | 1,665               | 1,470  | 488    |
| 1936                    | 67,753                           |                            | 47,753         | 44,461  | 2,921   | 371      | 16,063                              | 11,375      | 2,407               | 1,786  | 495    |
| 1937                    | 64,369                           |                            | 44,944         | 40,683  | 3,866   | 395      | 15,438                              | 10,897      | 1,880               | 2,084  | 577    |

<sup>1</sup> Figures include patents for inventions, designs, and reissues of patents. Includes applications without fees.

<sup>2</sup> Caveat law repealed June 25, 1910.

<sup>3</sup> Data are for period from July 28, 1836, to December 31, 1850, except as otherwise specified.

<sup>4</sup> Data are for 11 years beginning 1840; records prior to this date are not available.

<sup>5</sup> Data are for 8 years beginning 1843.

<sup>6</sup> Data are for 13 years beginning 1833.

<sup>7</sup> Data are for the year 1870.

<sup>8</sup> Data are for 7 years beginning 1874.

<sup>9</sup> Registration of labels suspended from May 27, 1891, to June 9, 1895.

<sup>10</sup> Data are for 8 years; first print registered March 7, 1893.

<sup>11</sup> Data are for the year 1925.

<sup>12</sup> Figures include plant patents issued since the law passed May 23, 1930, as follows: 5 in 1931; 46 in 1932; 33 in 1933; 32 in 1934; and 45 in 1935.

Source: United States Patent Office, Department of Commerce.

### 33.—DISTRIBUTION—WHOLESALE AND RETAIL

#### No. 808.—WHOLESALE TRADE: SUMMARY FOR THE UNITED STATES

[All money figures in thousands of dollars. Blank spaces indicate that data are not available]

|                                                 | 1929       | 1933       |                                                             | 1929       | 1933       |
|-------------------------------------------------|------------|------------|-------------------------------------------------------------|------------|------------|
| Number of establishments.....                   | 169,854    | 164,170    | Establishments reporting distribution of sales—Con.         |            |            |
| Net sales.....                                  | 68,950,108 | 32,151,373 | Net sales—Continued.                                        |            |            |
| Total expenses.....                             | 8,185,626  | 3,710,233  | To wholesale organizations.....                             |            | 4,406,380  |
| Number of proprietors.....                      | 90,772     | 94,487     | WHOLESALE MERCHANTS, BY SIZE OF ESTABLISHMENTS <sup>1</sup> |            |            |
| Number of employees (average).....              | 1,005,042  | 1,222,920  | Total:                                                      |            |            |
| Male.....                                       | 1,310,969  | 1,003,097  | Number of establishments.....                               | 76,590     | 79,032     |
| Female.....                                     | 294,073    | 219,823    | Net sales.....                                              | 27,231,823 | 12,079,301 |
| Full-time.....                                  |            | 1,096,977  | Establishments with net sales—                              |            |            |
| Part-time.....                                  |            | 126,943    | Under \$50,000:                                             |            |            |
| Pay roll, total.....                            | 3,010,130  | 1,714,109  | Number.....                                                 | 23,568     | 43,447     |
| Full-time.....                                  |            | 1,654,238  | Net sales.....                                              | 496,774    | 756,597    |
| Part-time.....                                  |            | 59,871     | \$50,000 to \$99,999:                                       |            |            |
| Stocks at end of year.....                      | 5,246,740  | 3,013,170  | Number.....                                                 | 12,586     | 12,498     |
| Establishments reporting credit sales:          |            |            | Net sales.....                                              | 910,592    | 881,909    |
| Number.....                                     |            | 111,481    | \$100,000 to \$199,999:                                     |            |            |
| Net sales.....                                  |            | 22,187,296 | Number.....                                                 | 13,513     | 10,008     |
| Credit sales.....                               | 39,012,802 | 13,274,093 | Net sales.....                                              | 1,933,223  | 1,398,186  |
| Percent of sales.....                           |            | 82.4       | \$200,000 to \$499,999:                                     |            |            |
| Total expenses.....                             |            | 2,967,584  | Number.....                                                 | 15,049     | 8,336      |
| Percent of sales.....                           |            | 18.4       | Net sales.....                                              | 4,753,321  | 2,655,661  |
| Establishments reporting distribution of sales: |            |            | \$500,000 to \$999,999:                                     |            |            |
| Number.....                                     |            | 134,335    | Number.....                                                 | 6,737      | 2,816      |
| Net sales.....                                  |            | 26,283,004 | Net sales.....                                              | 4,677,083  | 1,997,703  |
| To retailers for resale.....                    |            | 13,724,812 | \$1,000,000 and over:                                       |            |            |
| To home consumers.....                          |            | 585,945    | Number.....                                                 | 5,147      | 1,827      |
| To industrial users.....                        |            | 7,565,887  | Net sales.....                                              | 14,460,830 | 4,459,845  |

<sup>1</sup> Total number reported.

<sup>2</sup> Total credit sales 1929.

<sup>3</sup> Estimated average number.

<sup>4</sup> Includes wholesale merchants and importers.

#### No. 809.—RETAIL TRADE: SUMMARY FOR THE UNITED STATES

[All money figures, except average earnings per full-time employee, in thousands of dollars. For preliminary data for 1930, see supplemental table 536, p. 517.]

|                                                     | 1929       | 1933       |                                                 | 1929      | 1933      |
|-----------------------------------------------------|------------|------------|-------------------------------------------------|-----------|-----------|
| Number of stores.....                               | 1,543,158  | 1,526,119  | STORES AND SALES, BY SIZE OF BUSINESS—continued |           |           |
| Net sales.....                                      | 49,114,653 | 25,037,225 | Stores with net sales—Contd.                    |           |           |
| Total expenses.....                                 | 10,372,403 | 6,501,060  | \$10,000 to \$19,999:                           |           |           |
| Number of proprietors.....                          | 1,510,607  | 1,574,341  | Number.....                                     | 312,865   | 260,590   |
| Number of employees (average).....                  | 4,510,140  | 3,433,652  | Net sales.....                                  | 4,440,873 | 3,655,055 |
| Male.....                                           | 3,066,506  | 2,360,474  | \$20,000 to \$29,999:                           |           |           |
| Female.....                                         | 1,443,245  | 1,073,178  | Number.....                                     | 173,458   | 108,619   |
| Full-time.....                                      | 3,833,581  | 2,703,325  | Net sales.....                                  | 4,200,105 | 2,604,287 |
| Part-time.....                                      | 676,559    | 730,327    | \$30,000 to \$49,999:                           |           |           |
| Pay roll, total.....                                | 5,189,670  | 2,910,445  | Number.....                                     | 178,787   | 89,175    |
| Full-time.....                                      | 5,028,282  | 2,664,447  | Net sales.....                                  | 6,748,325 | 3,341,418 |
| Part-time.....                                      | 161,388    | 245,998    | \$50,000 to \$99,999:                           |           |           |
| Average annual earnings per full-time employee..... | \$1,812    | \$986      | Number.....                                     | 128,869   | 55,625    |
| Stocks at end of year.....                          | 7,262,533  | 3,903,969  | Net sales.....                                  | 8,745,641 | 3,743,971 |
| Stores reporting credit sales:                      |            |            | \$100,000 to \$199,999:                         |           |           |
| Number of stores.....                               | 654,196    | 766,561    | Number.....                                     | 49,497    | 20,209    |
| Net sales.....                                      | 28,121,171 | 15,410,601 | Net sales.....                                  | 6,730,536 | 2,680,027 |
| Credit sales.....                                   | (1)        | 6,943,584  | \$200,000 to \$299,999:                         |           |           |
| Percent of total sales of credit stores.....        | (1)        | 45         | Number.....                                     | 12,966    | 4,535     |
| STORES AND SALES, BY SIZE OF BUSINESS               |            |            | Net sales.....                                  | 3,121,806 | 1,082,853 |
| Total number of stores.....                         | 1,543,158  | 1,526,119  | \$300,000 to \$499,999:                         |           |           |
| Total net sales.....                                | 49,114,653 | 25,037,225 | Number.....                                     | 8,467     | 2,983     |
| Stores with net sales—                              |            |            | Net sales.....                                  | 3,192,534 | 1,114,500 |
| Under \$10,000:                                     |            |            | \$500,000 to \$999,999:                         |           |           |
| Number.....                                         | 673,636    | 952,193    | Number.....                                     | 4,524     | 1,409     |
| Net sales.....                                      | 2,798,016  | 3,466,787  | Net sales.....                                  | 3,080,040 | 934,183   |
|                                                     |            |            | \$1,000,000 and over:                           |           |           |
|                                                     |            |            | Number.....                                     | 2,059     | 765       |
|                                                     |            |            | Net sales.....                                  | 6,061,841 | 2,426,460 |

<sup>1</sup> Data for 1929 not available.

Source of tables 808 and 809: Bureau of the Census, Department of Commerce.

## No. 810.—WHOLESALE TRADE: BY TYPE OF ESTABLISHMENT, 1929 AND 1933

[All money figures in thousands of dollars]

| Type of establishment                                 | Number of establishments |         | Net sales         |            | Full-time employees (average), 1933 | Pay roll, 1933 |           | Total expenses, 1933 | Stocks on hand (end of year), 1933 |
|-------------------------------------------------------|--------------------------|---------|-------------------|------------|-------------------------------------|----------------|-----------|----------------------|------------------------------------|
|                                                       | 1929 <sup>1</sup>        | 1933    | 1929 <sup>1</sup> | 1933       |                                     | Total          | Part-time |                      |                                    |
| Total.....                                            | 189,654                  | 164,170 | 68,900,108        | 32,151,873 | 1,098,977                           | 1,714,109      | 59,871    | \$,710,233           | \$,013,179                         |
| Wholesalers proper <sup>1</sup> .....                 | 79,784                   | 82,805  | 29,288,220        | 12,997,270 | 637,052                             | 926,937        | 30,818    | 1,948,513            | 1,982,758                          |
| Wholesale merchants.....                              | 74,476                   | 70,850  | 25,370,795        | 11,302,047 | 600,847                             | 861,501        | 29,104    | 1,781,392            | 1,737,102                          |
| Exporters.....                                        | 754                      | 453     | 1,607,824         | 558,147    | 4,239                               | 9,007          | 622       | 34,131               | 105,950                            |
| Importers.....                                        | 2,262                    | 2,176   | 1,808,524         | 776,354    | 18,847                              | 36,234         | 456       | 81,461               | 123,950                            |
| Limited function wholesalers.....                     | 2,292                    | 3,380   | 601,077           | 356,828    | 13,119                              | 20,195         | 636       | 41,523               | 15,759                             |
| Manufacturers' sales branches <sup>1</sup> .....      | 17,086                   | 18,873  | 16,335,917        | 7,557,363  | 232,829                             | 426,284        | 6,540     | 942,251              | 550,345                            |
| With stocks.....                                      | ( <sup>1</sup> )         | 12,444  | ( <sup>1</sup> )  | 5,144,688  | 193,177                             | 337,119        | 5,188     | 764,670              | 549,912                            |
| Without stocks.....                                   | ( <sup>1</sup> )         | 4,429   | ( <sup>1</sup> )  | 2,412,675  | 39,652                              | 89,165         | 1,355     | 177,581              | 133                                |
| Bulk tank stations <sup>1</sup> .....                 | 19,611                   | 26,190  | 2,390,213         | 1,888,675  | 95,962                              | 153,060        | 2,141     | 372,990              | 438,574                            |
| Chain store warehouses.....                           | 569                      | 402     | 1,920,681         | 1,431,563  | 18,450                              | 28,383         | 518       | 64,767               | 66,204                             |
| Assemblers and country buyers.....                    | 34,226                   | 23,062  | 4,749,382         | 1,774,121  | 61,906                              | 77,616         | 15,794    | 173,825              | 223,141                            |
| Assemblers of farm products.....                      | 21,884                   | 11,283  | 2,304,230         | 718,588    | 23,103                              | 35,021         | 10,187    | 77,757               | 124,806                            |
| Cooperative marketing associations <sup>1</sup> ..... | 4,208                    | 2,732   | 1,458,360         | 686,072    | 20,911                              | 28,555         | 4,631     | 65,726               | 49,076                             |
| Cream stations.....                                   | ( <sup>1</sup> )         | 2,860   | ( <sup>1</sup> )  | 31,459     | 2,736                               | 2,259          | 152       | 4,893                | 747                                |
| Elevators <sup>1</sup> .....                          | 8,134                    | 7,087   | 986,786           | 338,002    | 10,153                              | 11,781         | 324       | 25,449               | 48,412                             |
| Agents and brokers.....                               | 18,998                   | 13,818  | 14,256,695        | 8,502,375  | 50,778                              | 101,829        | 4,090     | 207,887              | 52,187                             |
| Brokers.....                                          | 3,689                    | 3,414   | 4,037,844         | 2,083,570  | 8,242                               | 16,543         | 557       | 34,836               | 6,594                              |
| Commission merchants.....                             | 3,479                    | 3,128   | 4,094,834         | 2,224,864  | 17,744                              | 35,922         | 1,444     | 72,011               | 22,358                             |
| Export agents.....                                    | 290                      | 240     | 398,556           | 138,126    | 1,641                               | 2,872          | 60        | 5,736                | 1,406                              |
| Import agents.....                                    | 85                       | 179     | 57,158            | 50,541     | 423                                 | 826            | 3         | 3,230                | 1,558                              |
| Manufacturers' agents.....                            | 6,987                    | 4,072   | 1,775,355         | 573,964    | 10,362                              | 18,651         | 813       | 38,901               | 9,994                              |
| Selling agents.....                                   | 3,280                    | 1,235   | 2,628,863         | 988,401    | 8,446                               | 20,883         | 411       | 41,357               | 6,371                              |
| Other agents.....                                     | 628                      | 650     | 670,082           | 441,199    | 3,920                               | 6,652          | 752       | 12,116               | 866                                |

<sup>1</sup> Revised figures. The data previously issued include a number of concerns dealing in grain and petroleum and its products that were erroneously reported and classified in the wholesale census.

<sup>2</sup> The 1929 data have been corrected for certain changes in classification.

<sup>3</sup> For comparison purposes, wholesaling manufacturers and district and general sales offices, except those dealing in petroleum and its products, have been included in manufacturers' sales branches, 1929.

<sup>4</sup> 1929 equivalent not available.

<sup>5</sup> Figures for 1929 include district and general sales offices dealing in petroleum and its products.

<sup>6</sup> Figures for 1933 include 1,438 cooperative elevators with net sales amounting to \$83,193,000.

Source: Bureau of the Census, Department of Commerce.

## No. 811.—WHOLESALE TRADE: BY KIND OF BUSINESS, 1929 AND 1933

[All money figures in thousands of dollars]

| Kind of business                                            | Number of establishments |         | Net sales         |            | Full-time employees (average), 1933 | Pay roll, 1933 |           |
|-------------------------------------------------------------|--------------------------|---------|-------------------|------------|-------------------------------------|----------------|-----------|
|                                                             | 1929 <sup>1</sup>        | 1933    | 1929 <sup>1</sup> | 1933       |                                     | Total          | Part-time |
| Total.....                                                  | 169,654                  | 164,170 | 68,960,108        | 32,151,873 | 1,098,977                           | 1,714,109      | 59,871    |
| Amusement and sporting goods.....                           | 1,446                    | 1,552   | 485,400           | 271,868    | 14,443                              | 24,391         | 564       |
| Cameras and motion picture equipment and supplies.....      | 158                      | 87      | 80,844            | 32,362     | 997                                 | 1,747          | 19        |
| Moving-picture films.....                                   | 568                      | 446     | 243,417           | 169,923    | 7,665                               | 14,605         | 293       |
| Sporting goods (general line).....                          | 281                      | 201     | 74,128            | 32,928     | 2,140                               | 2,805          | 38        |
| Toys, novelties, and fireworks.....                         | 272                      | 506     | 49,214            | 32,652     | 2,218                               | 3,018          | 102       |
| All other.....                                              | 177                      | 312     | 37,797            | 23,023     | 1,423                               | 2,316          | 142       |
| Automotive products.....                                    | 4,800                    | 6,304   | 2,355,525         | 874,269    | 54,106                              | 82,094         | 1,032     |
| Automobiles and other motor vehicles.....                   | 743                      | 657     | 1,226,347         | 246,976    | 12,966                              | 19,842         | 211       |
| Automotive equipment (including accessories and parts)..... | 3,202                    | 4,730   | 642,674           | 323,360    | 31,935                              | 43,815         | 653       |
| Tires and tubes.....                                        | 655                      | 917     | 386,804           | 300,934    | 9,205                               | 18,437         | 168       |
| Chemicals.....                                              | 2,333                    | 2,473   | 1,193,808         | 652,697    | 22,613                              | 44,216         | 622       |
| Dyestuffs.....                                              | 79                       | 100     | 45,700            | 45,387     | 1,424                               | 3,879          | 11        |
| Explosives.....                                             | 118                      | 101     | 107,252           | 25,024     | 866                                 | 2,187          | 40        |
| Industrial chemicals.....                                   | 549                      | 382     | 493,049           | 271,857    | 5,029                               | 11,718         | 79        |
| Naval stores.....                                           | 66                       | 54      | 93,523            | 39,855     | 430                                 | 793            | 25        |
| Paints and varnishes.....                                   | 1,027                    | 1,221   | 304,999           | 168,177    | 11,278                              | 18,325         | 285       |
| All other.....                                              | 395                      | 615     | 146,080           | 104,287    | 3,586                               | 7,314          | 76        |

<sup>1</sup> Revised figures. See note 1, table 810.

## No. 811.—WHOLESALE TRADE: BY KIND OF BUSINESS, 1929 AND 1933—Continued

[All money figures in thousands of dollars]

| Kind of business                              | Number of establishments |        | Net sales         |           | Full-time employees (average), 1933 | Pay roll, 1933 |           |
|-----------------------------------------------|--------------------------|--------|-------------------|-----------|-------------------------------------|----------------|-----------|
|                                               | 1929 <sup>1</sup>        | 1933   | 1929 <sup>1</sup> | 1933      |                                     | Total          | Part-time |
| <b>Clothing and furnishings.</b>              | 5,519                    | 4,376  | 2,180,559         | 986,304   | 30,998                              | 62,306         | 1,349     |
| Clothing and furnishings (general line)       | 425                      | 282    | 133,730           | 55,827    | 1,333                               | 1,995          | 102       |
| Clothing, men's and boys'                     | 569                      | 478    | 214,264           | 77,029    | 2,443                               | 4,294          | 105       |
| Clothing, women's and children's              | 980                      | 978    | 312,790           | 263,606   | 7,052                               | 12,724         | 463       |
| Furnishings (general line)                    | 313                      | 275    | 115,334           | 53,090    | 1,806                               | 2,970          | 46        |
| Furnishings, men's and boys'                  | 697                      | 691    | 207,979           | 106,853   | 4,816                               | 7,525          | 241       |
| Furnishings, women's and children's           | 317                      | 338    | 104,961           | 34,135    | 1,511                               | 2,473          | 95        |
| Hosiery                                       | 420                      | 361    | 300,635           | 131,592   | 2,063                               | 4,489          | 72        |
| Millinery and millinery supplies              | 489                      | 475    | 116,023           | 46,840    | 2,496                               | 3,401          | 98        |
| Shoes and other footwear                      | 756                      | 498    | 500,673           | 227,323   | 7,278                               | 12,435         | 127       |
| All other                                     | 544                      | (?)    | 114,470           | (?)       | (?)                                 | (?)            | (?)       |
| <b>Coal.</b>                                  | 1,343                    | 1,382  | 1,160,290         | 631,958   | 12,316                              | 24,135         | 1,188     |
| <b>Drugs and drug sundries.</b>               | 1,713                    | 1,562  | 844,419           | 623,392   | 25,158                              | 39,418         | 455       |
| Drugs (general line)                          | 838                      | 406    | 575,100           | 344,482   | 15,196                              | 21,514         | 255       |
| Drugs (specialty lines)                       | 308                      | 358    | 73,832            | 79,875    | 4,714                               | 8,806          | 45        |
| Toilet articles and preparations              | 303                      | 380    | 90,334            | 47,933    | 2,265                               | 5,637          | 99        |
| All other                                     | 464                      | 418    | 90,653            | 51,102    | 2,283                               | 3,961          | 56        |
| <b>Dry goods.</b>                             | 5,180                    | 4,795  | 3,802,868         | 2,242,392 | 47,894                              | 87,529         | 988       |
| Dry goods (general line)                      | 1,071                    | 631    | 889,608           | 444,758   | 16,014                              | 23,802         | 238       |
| Knit goods                                    | 257                      | 429    | 72,707            | 106,095   | 3,353                               | 5,725          | 107       |
| Notions                                       | 996                      | 874    | 100,266           | 120,922   | 6,730                               | 9,725          | 132       |
| Piece goods                                   | 2,998                    | 2,284  | 2,624,281         | 1,515,383 | 19,678                              | 44,850         | 451       |
| All other                                     | 160                      | 577    | 50,106            | 55,234    | 1,619                               | 3,427          | 62        |
| <b>Electrical goods.</b>                      | 3,870                    | 3,232  | 2,436,149         | 705,411   | 37,341                              | 61,848         | 806       |
| Electrical appliances, equipment and supplies | 2,892                    | 2,511  | 1,839,236         | 557,991   | 29,268                              | 48,393         | 647       |
| Radios and radio equipment                    | 806                      | 533    | 491,621           | 83,224    | 3,658                               | 6,090          | 101       |
| Refrigerators                                 | 172                      | 183    | 104,292           | 64,196    | 4,415                               | 7,365          | 58        |
| <b>Farm products—raw materials.</b>           | 29,612                   | 16,799 | 11,718,453        | 3,878,211 | 45,601                              | 71,344         | 6,484     |
| Cotton                                        | 5,234                    | 2,115  | 3,061,610         | 895,183   | 6,079                               | 10,482         | 391       |
| Grain                                         | 12,198                   | 9,201  | 3,791,665         | 1,197,151 | 18,787                              | 27,226         | 1,670     |
| Hides, skins, and furs (raw)                  | 1,508                    | 1,238  | 524,087           | 166,525   | 2,962                               | 5,351          | 372       |
| Livestock, including horses and mules         | 7,540                    | 2,811  | 3,209,293         | 1,019,794 | 6,524                               | 11,046         | 821       |
| Silk (raw)                                    | 33                       | 22     | 170,946           | 72,969    | 240                                 | 953            | 1         |
| Tobacco (leaf)                                | 1,003                    | 820    | 469,142           | 277,885   | 8,343                               | 11,227         | 3,215     |
| Wool and mohair                               | 403                      | 264    | 334,061           | 187,279   | 1,896                               | 4,185          | 102       |
| All other                                     | 1,693                    | 328    | 156,649           | 59,425    | 670                                 | 875            | 112       |
| <b>Farm products—consumer goods.</b>          | 20,896                   | 23,664 | 5,808,111         | 3,178,427 | 134,058                             | 182,243        | 16,997    |
| Dairy products (general line)                 | 736                      | 1,733  | 474,880           | 299,366   | 28,260                              | 38,004         | 880       |
| Butter                                        | 367                      | 354    | 339,330           | 30,795    | 1,263                               | 1,556          | 90        |
| Cheese                                        |                          | 366    |                   | 90,968    | 1,958                               | 3,425          | 77        |
| Milk and cream                                | 797                      | 3,740  | 242,994           | 115,357   | 9,172                               | 11,127         | 284       |
| All other dairy products                      | 281                      | 586    | 66,977            | 78,217    | 7,260                               | 10,630         | 256       |
| Poultry and poultry products                  | 3,830                    | 3,662  | 760,795           | 316,437   | 11,645                              | 13,839         | 1,374     |
| Dairy and poultry products                    | 3,691                    | 3,810  | 670,100           | 456,796   | 16,522                              | 22,532         | 1,077     |
| Fruits and vegetables (fresh)                 | 11,194                   | 9,083  | 3,252,975         | 1,738,284 | 55,418                              | 79,032         | 12,685    |
| All other                                     | (?)                      | 350    | (?)               | 51,207    | 2,568                               | 2,098          | 274       |
| <b>Farm supplies.</b>                         | 1,973                    | 2,487  | 898,273           | 368,771   | 17,060                              | 21,859         | 1,014     |
| Feed                                          | 1,284                    | 1,533  | 571,063           | 169,508   | 7,021                               | 8,821          | 489       |
| Fertilizer                                    | 279                      | 363    | 187,470           | 103,311   | 3,255                               | 4,430          | 131       |
| Seeds                                         | 316                      | 452    | 116,062           | 67,028    | 5,840                               | 7,199          | 341       |
| All other                                     | 94                       | 119    | 23,673            | 23,924    | 944                                 | 1,409          | 53        |
| <b>Furniture and house furnishings.</b>       | 2,977                    | 2,784  | 994,052           | 354,626   | 18,660                              | 29,464         | 954       |
| China, glassware and crockery                 | 411                      | 320    | 86,777            | 35,875    | 1,797                               | 2,978          | 50        |
| Floor coverings                               | 403                      | 395    | 323,075           | 128,228   | 3,339                               | 6,601          | 105       |
| Furniture                                     | 1,146                    | 730    | 344,630           | 82,030    | 5,133                               | 7,856          | 298       |
| House furnishings (except as specified)       | 779                      | 1,223  | 181,328           | 94,850    | 6,220                               | 8,079          | 479       |
| Musical instruments and sheet music           | 178                      | 116    | 58,242            | 15,043    | 2,171                               | 3,350          | 29        |
| <b>General merchandise.</b>                   | 370                      | 193    | 596,068           | 243,319   | 6,284                               | 8,654          | 177       |
| Groceries and foods (except farm products)    | 23,006                   | 23,847 | 13,238,533        | 7,574,961 | 221,009                             | 327,205        | 8,113     |
| Groceries (general line)                      | 6,900                    | 4,025  | 5,203,417         | 2,576,506 | 68,344                              | 97,109         | 1,866     |
| Confectionery and soft drinks                 | 2,959                    | 3,836  | 356,242           | 282,257   | 17,336                              | 22,558         | 863       |
| Fish and sea foods                            | 1,448                    | 1,880  | 243,632           | 166,585   | 10,144                              | 13,841         | 1,229     |
| Meats and meat products                       | 3,605                    | 3,225  | 3,102,286         | 1,112,114 | 39,007                              | 56,957         | 1,050     |
| Other food and grocery specialties            | 7,094                    | 10,881 | 4,333,906         | 3,437,499 | 86,778                              | 138,740        | 3,105     |
| <b>Hardware.</b>                              | 1,789                    | 1,496  | 866,158           | 394,180   | 30,110                              | 42,117         | 567       |
| Hardware (general line)                       | 1,227                    | 744    | 754,594           | 309,994   | 26,346                              | 34,662         | 441       |
| Hardware (specialty lines)                    | 562                      | 751    | 111,564           | 84,186    | 4,764                               | 7,455          | 116       |
| <b>Jewelry and optical goods.</b>             | 2,365                    | 2,073  | 494,581           | 148,752   | 11,145                              | 17,010         | 317       |
| Jewelry (general line)                        | 1,068                    | 730    | 192,764           | 64,909    | 3,261                               | 5,073          | 169       |
| Clocks and watches                            | 140                      | 163    | 66,664            | 18,824    | 845                                 | 1,606          | 12        |
| Diamonds and other precious stones            | 497                      | 243    | 124,798           | 15,311    | 440                                 | 726            | 25        |
| Other jewelry specialties                     | 190                      | 422    | 65,853            | 27,604    | 1,766                               | 2,781          | 75        |
| Optical goods                                 | 440                      | 515    | 44,492            | 32,104    | 4,833                               | 6,824          | 36        |

<sup>1</sup> Revised figures. See note 1 table 810.<sup>2</sup> Comparable data not available.

## No. 811.—WHOLESALE TRADE: BY KIND OF BUSINESS, 1929 AND 1933—Continued

[All money figures in thousands of dollars]

| Kind of business                                       | Number of establishments |        | Net sales         |           | Full-time employ-ees (average), 1933 | Pay roll, 1933 |           |
|--------------------------------------------------------|--------------------------|--------|-------------------|-----------|--------------------------------------|----------------|-----------|
|                                                        | 1929 <sup>1</sup>        | 1933   | 1929 <sup>1</sup> | 1933      |                                      | Total          | Part-time |
| Lumber and building materials (other than metal)       | 5,513                    | 3,721  | 2,144,062         | 522,075   | 28,798                               | 47,366         | 3,596     |
| Lumber and millwork                                    | 2,201                    | 1,505  | 1,134,206         | 215,355   | 10,192                               | 15,408         | 1,149     |
| Asbestos products                                      | 124                      | 101    | 76,610            | 26,535    | 1,149                                | 2,669          | 93        |
| Brick and tile                                         | 428                      | 236    | 98,855            | 25,174    | 1,000                                | 2,350          | 135       |
| Cement                                                 | 158                      | 198    | 142,726           | 39,766    | 1,561                                | 3,613          | 159       |
| Glass                                                  | 254                      | 399    | 89,449            | 76,926    | 3,783                                | 6,599          | 788       |
| All other                                              | 2,258                    | 1,282  | 603,206           | 138,247   | 10,368                               | 16,897         | 1,272     |
| Machinery, equipment, and supplies (except electrical) | 11,856                   | 11,449 | 3,068,130         | 1,264,855 | 84,159                               | 139,886        | 4,198     |
| Commercial machinery, equipment, etc.                  | 1,804                    | 2,008  | 250,929           | 126,013   | 15,276                               | 22,410         | 386       |
| Office equipment and supplies (except furniture)       | 589                      | 942    | 72,521            | 73,873    | 10,500                               | 16,283         | 135       |
| All other                                              | 1,215                    | 1,066  | 178,408           | 52,140    | 4,776                                | 7,127          | 251       |
| Construction machinery, equipment, etc.                | 498                      | 592    | 132,600           | 53,276    | 3,633                                | 6,052          | 150       |
| Farm and dairy machinery and equipment                 | 560                      | 800    | 336,838           | 117,178   | 10,798                               | 15,915         | 417       |
| Industrial machinery, equipment, etc.                  | 0,142                    | 5,021  | 1,048,880         | 671,384   | 33,719                               | 59,739         | 2,363     |
| Machine tools                                          | 207                      | 149    | 102,160           | 25,511    | 747                                  | 1,397          | 88        |
| Mill and mine supplies (general line)                  | 1,418                    | 1,346  | 410,973           | 184,368   | 11,472                               | 18,197         | 864       |
| All other                                              | 4,427                    | 3,626  | 1,135,747         | 461,475   | 21,500                               | 40,145         | 1,411     |
| Professional equipment and supplies                    | 1,000                    | 1,078  | 207,816           | 119,266   | 10,214                               | 15,230         | 507       |
| Service equipment and supplies                         | 1,439                    | 1,446  | 201,098           | 101,728   | 9,077                                | 14,487         | 222       |
| Barber and beauty parlor equipment and supplies        | 582                      | 629    | 50,443            | 27,020    | 3,210                                | 4,157          | 88        |
| Other service equipment and supplies                   | 867                      | 816    | 150,655           | 74,708    | 5,867                                | 10,330         | 156       |
| Transportation equipment and supplies                  | 412                      | 505    | 230,879           | 76,011    | 1,442                                | 6,053          | 154       |
| Railroad equipment and supplies                        | 267                      | 240    | 201,942           | 42,431    | 892                                  | 3,519          | 95        |
| All other                                              | 155                      | 265    | 28,937            | 33,580    | 550                                  | 2,534          | 59        |
| Metals (except scrap)                                  | 2,277                    | 1,985  | 4,439,810         | 1,281,814 | 19,682                               | 40,055         | 1,825     |
| Iron and steel                                         | 1,643                    | 1,316  | 2,839,964         | 919,899   | 14,225                               | 27,603         | 1,507     |
| Sheet metal products                                   | 253                      | 175    | 202,459           | 34,734    | 1,050                                | 2,466          | 224       |
| Other metal and metal works                            | 381                      | 495    | 1,397,387         | 277,181   | 3,507                                | 9,806          | 94        |
| Paper and its products                                 | 8,103                    | 2,851  | 1,132,583         | 600,626   | 29,322                               | 50,151         | 779       |
| Paper and its products (general line)                  | 1,568                    | 769    | 679,014           | 309,358   | 14,283                               | 24,976         | 329       |
| Paper and its products (specialty lines)               | 584                      | 1,277  | 307,813           | 238,637   | 9,666                                | 17,621         | 242       |
| Stationery and stationery supplies                     | 719                      | 479    | 113,568           | 37,677    | 3,732                                | 4,998          | 101       |
| Wall paper                                             | 232                      | 326    | 32,188            | 14,856    | 1,641                                | 2,265          | 107       |
| Petroleum and its products                             | 23,007                   | 28,455 | 3,233,063         | 2,292,980 | 108,979                              | 173,813        | 2,680     |
| Plumbing and heating equipment and supplies            | 2,786                    | 2,249  | 819,667           | 265,187   | 18,617                               | 29,756         | 843       |
| Heating equipment (general line)                       | 397                      | 227    | 73,808            | 17,034    | 1,184                                | 2,050          | 55        |
| Pipe, valves, and fittings                             | 217                      | 120    | 86,359            | 18,530    | 1,089                                | 1,857          | 37        |
| Plumbing and heating equipment (general line)          | 1,607                    | 1,011  | 540,323           | 140,487   | 11,139                               | 16,494         | 481       |
| All other                                              | 565                      | 891    | 119,177           | 39,116    | 5,205                                | 9,355          | 250       |
| Tobacco and its products (except leaf)                 | 2,016                    | 1,988  | 1,691,178         | 1,263,418 | 15,633                               | 25,201         | 270       |
| Waste materials                                        | 4,000                    | 3,417  | 552,280           | 282,602   | 12,668                               | 13,131         | 1,255     |
| Iron and steel scrap                                   | 644                      | 760    | 258,794           | 65,801    | 3,324                                | 4,160          | 394       |
| Junk and scrap (general line)                          | 3,083                    | 1,929  | 234,082           | 175,340   | 5,287                                | 5,137          | 644       |
| Waste paper, rags, and rubber                          | 273                      | 728    | 59,404            | 41,461    | 4,072                                | 3,824          | 217       |
| All other products                                     | 7,205                    | 9,067  | 2,907,410         | 1,366,498 | 51,170                               | 78,917         | 2,807     |
| Bags and bagging                                       | 162                      | 213    | 66,680            | 37,657    | 2,329                                | 2,118          | 36        |
| Beer                                                   | ( <sup>2</sup> )         | 2,384  | ( <sup>2</sup> )  | 132,104   | 5,407                                | 7,945          | 412       |
| Books and periodicals                                  | 408                      | 191    | 169,429           | 37,128    | 3,031                                | 6,493          | 157       |
| Cordage and twine                                      | 105                      | 78     | 54,281            | 28,558    | 612                                  | 1,250          | 8         |
| Flowers and nursery stock                              | 633                      | 725    | 71,331            | 29,516    | 2,641                                | 3,215          | 142       |
| Forest products (except lumber)                        | 1,020                    | 606    | 205,420           | 102,437   | 2,837                                | 5,141          | 376       |
| Leather                                                | 559                      | 430    | 288,752           | 113,331   | 2,068                                | 4,016          | 40        |
| Leather goods                                          | 993                      | 792    | 168,479           | 49,930    | 3,022                                | 4,468          | 156       |
| Newspapers and magazines                               | 228                      | 718    | 33,612            | 125,252   | 10,744                               | 18,650         | 367       |
| Oils and greases (animal and vegetable)                | 171                      | 165    | 316,791           | 121,730   | 2,495                                | 3,270          | 25        |
| Rubber, crude                                          | 49                       | 36     | 240,611           | 33,244    | 232                                  | 565            | -----     |
| Rubber goods (general line)                            | 92                       | 92     | 121,220           | 38,048    | 2,194                                | 937            | 13        |
| Wines and spiritous liquors                            | 77                       | 767    | 20,913            | 87,369    | 2,247                                | 3,797          | 90        |
| Yarn                                                   | 285                      | 175    | 395,379           | 160,777   | 977                                  | 2,279          | 86        |
| Miscellaneous kinds of business                        | 2,423                    | 1,685  | 754,512           | 298,422   | 9,734                                | 14,764         | 849       |

<sup>1</sup> Revised figures. See note 1, table 810.<sup>2</sup> Comparable data not available.

Source: Bureau of the Census, Department of Commerce.



## No. 812.—WHOLESALE TRADE: SUMMARY BY STATES, 1929 AND 1933

[All money figures in thousands of dollars]

| Division and State        | Number of establishments |         | Net sales  |            | Number of employees (average), 1933 |           | Salaries and wages, 1933 |           | Stocks on hand (end of year), 1933 |
|---------------------------|--------------------------|---------|------------|------------|-------------------------------------|-----------|--------------------------|-----------|------------------------------------|
|                           | 1929                     | 1933    | 1929       | 1933       | Full time                           | Part time | Full time                | Part time |                                    |
| United States.....        | 169,864                  | 164,170 | 68,950,108 | 32,151,873 | 1,086,977                           | 125,943   | 1,654,238                | 50,871    | 3,013,179                          |
| New England.....          | 9,793                    | 8,633   | 4,195,261  | 2,144,258  | 73,698                              | 5,346     | 117,175                  | 3,120     | 206,248                            |
| Connecticut.....          | 1,369                    | 1,412   | 520,561    | 336,829    | 13,721                              | 1,062     | 20,779                   | 645       | 49,573                             |
| Maine.....                | 987                      | 864     | 189,975    | 109,495    | 5,450                               | 636       | 7,532                    | 293       | 13,699                             |
| Massachusetts.....        | 6,096                    | 5,144   | 3,065,866  | 1,469,407  | 45,174                              | 3,030     | 75,540                   | 1,867     | 118,669                            |
| New Hampshire.....        | 326                      | 334     | 81,414     | 38,074     | 2,073                               | 171       | 2,820                    | 75        | 3,844                              |
| Rhode Island.....         | 737                      | 579     | 300,072    | 148,702    | 5,252                               | 313       | 7,824                    | 170       | 15,382                             |
| Vermont.....              | 308                      | 307     | 67,393     | 41,751     | 2,019                               | 134       | 2,680                    | 70        | 5,081                              |
| Middle Atlantic.....      | 38,197                   | 34,304  | 23,380,807 | 11,085,704 | 288,235                             | 16,594    | 509,842                  | 10,868    | 822,170                            |
| New Jersey.....           | 2,344                    | 2,700   | 1,008,881  | 561,537    | 23,380                              | 1,605     | 35,671                   | 942       | 61,752                             |
| New York.....             | 26,311                   | 21,899  | 17,604,634 | 8,333,836  | 194,591                             | 9,283     | 361,256                  | 6,860     | 500,737                            |
| Pennsylvania.....         | 10,542                   | 9,705   | 4,777,292  | 2,190,331  | 75,264                              | 5,706     | 112,915                  | 3,156     | 169,681                            |
| East North Central.....   | 32,185                   | 34,557  | 14,028,413 | 6,244,308  | 230,202                             | 21,627    | 551,087                  | 10,686    | 503,719                            |
| Illinois.....             | 11,587                   | 11,924  | 6,861,067  | 2,816,349  | 59,344                              | 7,601     | 145,943                  | 4,231     | 195,143                            |
| Indiana.....              | 3,734                    | 4,240   | 921,561    | 425,743    | 19,061                              | 2,277     | 25,637                   | 943       | 36,740                             |
| Michigan.....             | 3,272                    | 5,803   | 2,172,409  | 896,552    | 35,208                              | 3,578     | 51,585                   | 1,421     | 75,833                             |
| Ohio.....                 | 8,077                    | 8,317   | 3,084,100  | 1,563,854  | 62,752                              | 5,819     | 93,884                   | 2,686     | 128,326                            |
| Wisconsin.....            | 3,515                    | 4,273   | 979,270    | 541,783    | 23,842                              | 2,652     | 34,035                   | 1,386     | 65,686                             |
| West North Central.....   | 28,933                   | 29,168  | 5,577,122  | 3,697,515  | 133,139                             | 14,851    | 182,169                  | 6,167     | 390,002                            |
| Iowa.....                 | 4,954                    | 5,232   | 1,057,006  | 464,438    | 19,876                              | 2,509     | 24,214                   | 1,179     | 39,911                             |
| Kansas.....               | 4,322                    | 5,012   | 885,677    | 299,123    | 12,806                              | 2,214     | 16,131                   | 822       | 34,922                             |
| Minnesota.....            | 5,521                    | 6,184   | 1,716,944  | 913,298    | 29,389                              | 2,814     | 41,408                   | 1,525     | 112,355                            |
| Missouri.....             | 6,074                    | 6,107   | 3,301,721  | 1,444,356  | 40,322                              | 3,621     | 71,967                   | 1,726     | 144,389                            |
| Nebraska.....             | 2,890                    | 3,419   | 1,054,054  | 408,476    | 13,558                              | 2,090     | 17,096                   | 720       | 32,058                             |
| North Dakota.....         | 2,519                    | 2,436   | 262,450    | 93,950     | 4,346                               | 510       | 5,633                    | 183       | 14,707                             |
| South Dakota.....         | 1,973                    | 1,766   | 236,280    | 73,836     | 4,052                               | 553       | 5,120                    | 207       | 11,662                             |
| South Atlantic.....       | 15,552                   | 14,590  | 4,657,675  | 2,517,203  | 98,940                              | 21,777    | 129,175                  | 7,380     | 275,699                            |
| Delaware.....             | 286                      | 259     | 118,086    | 59,182     | 1,783                               | 245       | 3,147                    | 97        | 7,235                              |
| District of Columbia..... | 496                      | 575     | 261,083    | 179,077    | 7,444                               | 183       | 10,897                   | 92        | 11,527                             |
| Florida.....              | 2,054                    | 2,051   | 466,535    | 280,305    | 15,448                              | 5,402     | 17,377                   | 1,794     | 72,466                             |
| Georgia.....              | 3,133                    | 2,275   | 1,016,496  | 429,242    | 15,244                              | 1,546     | 20,589                   | 1,470     | 67,442                             |
| Missouri.....             | 2,205                    | 2,251   | 741,367    | 419,522    | 17,788                              | 3,121     | 22,639                   | 1,021     | 37,443                             |
| Maryland.....             | 2,413                    | 2,367   | 717,432    | 423,127    | 13,411                              | 1,675     | 16,618                   | 542       | 54,638                             |
| North Carolina.....       | 1,539                    | 1,242   | 333,528    | 172,062    | 4,936                               | 655       | 6,193                    | 200       | 12,761                             |
| South Carolina.....       | 2,344                    | 2,332   | 656,309    | 350,784    | 16,232                              | 5,226     | 20,413                   | 1,824     | 53,992                             |
| Virginia.....             | 1,132                    | 1,138   | 346,880    | 194,902    | 7,656                               | 719       | 11,302                   | 320       | 19,338                             |
| West Virginia.....        | 7,739                    | 6,825   | 2,550,847  | 1,067,080  | 43,830                              | 7,186     | 52,980                   | 2,627     | 150,908                            |
| Alabama.....              | 1,743                    | 1,603   | 574,145    | 209,397    | 9,625                               | 1,059     | 12,144                   | 366       | 31,945                             |
| Kentucky.....             | 2,027                    | 2,007   | 622,495    | 272,895    | 13,017                              | 3,047     | 15,246                   | 1,318     | 64,113                             |
| Mississippi.....          | 1,713                    | 1,248   | 385,226    | 143,240    | 6,023                               | 1,045     | 5,955                    | 291       | 13,442                             |
| Tennessee.....            | 2,256                    | 1,967   | 1,068,981  | 390,442    | 16,065                              | 2,035     | 19,635                   | 652       | 51,406                             |
| West South Central.....   | 17,566                   | 15,066  | 4,737,187  | 2,087,080  | 78,318                              | 9,542     | 98,972                   | 3,653     | 288,287                            |
| Arkansas.....             | 2,052                    | 1,294   | 373,074    | 121,504    | 6,118                               | 825       | 7,506                    | 281       | 15,896                             |
| Louisiana.....            | 1,729                    | 2,097   | 836,197    | 455,321    | 17,962                              | 1,486     | 22,870                   | 516       | 78,257                             |
| Oklahoma.....             | 4,179                    | 4,180   | 773,398    | 312,835    | 12,908                              | 1,883     | 17,256                   | 742       | 34,012                             |
| Texas.....                | 9,606                    | 7,525   | 2,804,518  | 1,097,400  | 36,328                              | 5,348     | 52,940                   | 2,116     | 160,102                            |
| Mountain.....             | 5,788                    | 5,900   | 1,176,215  | 562,690    | 25,774                              | 4,097     | 35,444                   | 1,955     | 65,374                             |
| Arizona.....              | 358                      | 476     | 97,554     | 40,795     | 2,260                               | 727       | 3,319                    | 331       | 4,983                              |
| Colorado.....             | 2,075                    | 1,823   | 539,626    | 239,035    | 10,976                              | 1,135     | 14,849                   | 531       | 23,538                             |
| Idaho.....                | 674                      | 768     | 98,462     | 60,689     | 2,078                               | 900       | 2,814                    | 433       | 6,124                              |
| Montana.....              | 1,249                    | 1,242   | 168,545    | 79,441     | 3,312                               | 473       | 4,653                    | 247       | 12,496                             |
| Nevada.....               | 96                       | 141     | 13,719     | 9,963      | 436                                 | 73        | 720                      | 36        | 1,100                              |
| New Mexico.....           | 317                      | 448     | 53,547     | 27,892     | 1,293                               | 164       | 1,876                    | 61        | 4,151                              |
| Utah.....                 | 786                      | 653     | 180,101    | 86,758     | 4,572                               | 432       | 6,999                    | 185       | 10,475                             |
| Wyoming.....              | 283                      | 349     | 34,661     | 19,117     | 847                                 | 103       | 1,214                    | 51        | 2,684                              |
| Pacific.....              | 13,781                   | 15,099  | 5,568,581  | 2,896,661  | 121,042                             | 24,823    | 176,894                  | 13,365    | 311,424                            |
| California.....           | 9,751                    | 11,052  | 4,159,323  | 2,255,256  | 92,049                              | 20,244    | 134,835                  | 11,005    | 236,371                            |
| Oregon.....               | 1,439                    | 1,333   | 466,831    | 202,146    | 9,705                               | 1,200     | 13,868                   | 643       | 26,402                             |
| Washington.....           | 2,591                    | 2,714   | 960,427    | 439,259    | 19,283                              | 3,479     | 27,691                   | 1,737     | 48,651                             |

Source: Bureau of the Census, Department of Commerce.

## No. 813.—WHOLESALE TRADE OF INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS: 1933

[Net sales in thousands of dollars]

| City                              | Number of establishments | Number of full-time employees (average) | Net sales         | City                                    | Number of establishments | Number of full-time employees (average) | Net sales        |
|-----------------------------------|--------------------------|-----------------------------------------|-------------------|-----------------------------------------|--------------------------|-----------------------------------------|------------------|
| <b>Total for principal cities</b> | <b>73,879</b>            | <b>739,840</b>                          | <b>24,200,854</b> | Nashville, Tenn.                        | 300                      | 3,038                                   | 76,714           |
| Akron, Ohio                       | 272                      | 4,189                                   | 125,635           | Newark, N. J.                           | 759                      | 8,593                                   | 211,197          |
| Albany, N. Y.                     | 303                      | 2,864                                   | 85,675            | New Bedford, Mass.                      | 126                      | 670                                     | 15,484           |
| Atlanta, Ga.                      | 642                      | 7,543                                   | 216,235           | New Haven, Conn.                        | 298                      | 2,959                                   | 67,892           |
| Baltimore, Md.                    | 1,610                    | 15,140                                  | 365,392           | New Orleans, La.                        | 871                      | 11,259                                  | 323,452          |
| Birmingham, Ala.                  | 417                      | 3,908                                   | 81,065            | <b>New York City (Greater New York)</b> | <b>16,836</b>            | <b>154,714</b>                          | <b>7,376,091</b> |
| Boston, Mass.                     | 2,866                    | 23,456                                  | 1,004,890         | Bronx Borough                           | 597                      | 4,487                                   | 150,087          |
| Bridgeport, Conn.                 | 212                      | 2,368                                   | 59,852            | Brooklyn Borough                        | 1,418                    | 10,869                                  | 294,793          |
| Buffalo, N. Y.                    | 913                      | 10,331                                  | 282,650           | Manhattan Borough                       | 14,520                   | 134,086                                 | 6,811,486        |
| Cambridge, Mass.                  | 62                       | 1,631                                   | 30,675            | Queens Borough                          | 266                      | 4,935                                   | 124,312          |
| Camden, N. J.                     | 119                      | 895                                     | 14,841            | Richmond Borough                        | 65                       | 539                                     | 5,443            |
| Canton, Ohio                      | 128                      | 1,005                                   | 20,906            | Norfolk, Va.                            | 324                      | 2,711                                   | 82,933           |
| Chattanooga, Tenn.                | 156                      | 1,301                                   | 29,643            | Oakland, Calif.                         | 460                      | 3,924                                   | 74,647           |
| Chicago, Ill.                     | 6,108                    | 70,294                                  | 2,815,720         | Oklahoma City, Okla.                    | 397                      | 3,569                                   | 86,195           |
| Cincinnati, Ohio                  | 1,258                    | 12,784                                  | 341,343           | Omaha, Neb.                             | 647                      | 7,338                                   | 276,598          |
| Cleveland, Ohio                   | 2,015                    | 18,362                                  | 526,606           | Paterson, N. J.                         | 189                      | 1,174                                   | 34,224           |
| Columbus, Ohio                    | 411                      | 4,922                                   | 111,108           | Peoria, Ill.                            | 251                      | 1,560                                   | 53,795           |
| Dallas, Tex.                      | 711                      | 7,666                                   | 319,172           | Philadelphia, Pa.                       | 3,413                    | 33,980                                  | 1,047,175        |
| Dayton, Ohio                      | 263                      | 2,435                                   | 49,390            | Pittsburgh, Pa.                         | 1,370                    | 14,732                                  | 569,791          |
| Denver, Colo.                     | 995                      | 7,710                                   | 182,285           | Portland, Oreg.                         | 715                      | 5,842                                   | 149,044          |
| Des Moines, Iowa                  | 296                      | 3,467                                   | 75,179            | Providence, R. I.                       | 412                      | 4,125                                   | 115,062          |
| Detroit, Mich.                    | 2,175                    | 20,890                                  | 613,854           | Reading, Pa.                            | 177                      | 1,283                                   | 32,950           |
| Duluth, Minn.                     | 169                      | 2,840                                   | 62,782            | Richmond, Va.                           | 401                      | 4,737                                   | 103,989          |
| Elizabeth, N. J.                  | 91                       | 400                                     | 15,535            | Rochester, N. Y.                        | 502                      | 4,339                                   | 120,324          |
| El Paso, Tex.                     | 187                      | 1,424                                   | 30,381            | St. Louis, Mo.                          | 1,890                    | 26,737                                  | 721,735          |
| Erie, Pa.                         | 146                      | 832                                     | 13,524            | St. Paul, Minn.                         | 439                      | 6,143                                   | 106,878          |
| Evansville, Ind.                  | 142                      | 1,196                                   | 30,288            | Salt Lake City, Utah                    | 365                      | 3,535                                   | 60,620           |
| Fall River, Mass.                 | 142                      | 855                                     | 23,590            | San Antonio, Tex.                       | 366                      | 3,302                                   | 58,063           |
| Flint, Mich.                      | 133                      | 1,001                                   | 22,209            | San Diego, Calif.                       | 249                      | 2,366                                   | 40,985           |
| Fort Wayne, Ind.                  | 184                      | 1,090                                   | 30,500            | San Francisco, Calif.                   | 2,696                    | 25,385                                  | 911,747          |
| Fort Worth, Tex.                  | 250                      | 2,432                                   | 81,878            | Scranton, Pa.                           | 247                      | 2,178                                   | 63,116           |
| Gary, Ind.                        | 58                       | 359                                     | 6,272             | Seattle, Wash.                          | 1,070                    | 9,602                                   | 226,155          |
| Grand Rapids, Mich.               | 305                      | 2,164                                   | 64,066            | Somerville, Mass.                       | 38                       | 1,158                                   | 86,054           |
| Hartford, Conn.                   | 283                      | 3,179                                   | 49,391            | South Bend, Ind.                        | 126                      | 872                                     | 14,094           |
| Houston, Tex.                     | 617                      | 7,167                                   | 211,610           | Spokane, Wash.                          | 240                      | 2,185                                   | 44,478           |
| Indianapolis, Ind.                | 598                      | 6,417                                   | 188,576           | Springfield, Mass.                      | 296                      | 2,956                                   | 72,665           |
| Jacksonville, Fla.                | 268                      | 2,914                                   | 74,749            | Syracuse, N. Y.                         | 285                      | 2,777                                   | 72,931           |
| Jersey City, N. J.                | 157                      | 2,023                                   | 61,935            | Tacoma, Wash.                           | 177                      | 1,663                                   | 30,953           |
| Kansas City, Kans.                | 69                       | 1,226                                   | 28,475            | Tampa, Fla.                             | 250                      | 2,195                                   | 49,324           |
| Kansas City, Mo.                  | 1,271                    | 13,023                                  | 513,310           | Toledo, Ohio                            | 428                      | 4,549                                   | 109,342          |
| Knoxville, Tenn.                  | 143                      | 1,301                                   | 27,045            | Trenton, N. J.                          | 120                      | 1,134                                   | 20,619           |
| Long Beach, Calif.                | 172                      | 935                                     | 16,495            | Tulsa, Okla.                            | 375                      | 2,244                                   | 54,706           |
| Los Angeles, Calif.               | 3,531                    | 28,745                                  | 660,419           | Utica, N. Y.                            | 142                      | 1,078                                   | 25,856           |
| Louisville, Ky.                   | 482                      | 6,281                                   | 127,251           | Washington, D. C.                       | 575                      | 7,444                                   | 179,077          |
| Lowell, Mass.                     | 93                       | 495                                     | 9,843             | Wichita, Kans.                          | 290                      | 2,282                                   | 63,899           |
| Lynn, Mass.                       | 104                      | 626                                     | 9,862             | Wilmington, Del.                        | 157                      | 1,541                                   | 52,643           |
| Memphis, Tenn.                    | 408                      | 6,843                                   | 178,895           | Worcester, Mass.                        | 222                      | 2,093                                   | 46,228           |
| Miami, Fla.                       | 237                      | 1,702                                   | 34,764            | Yonkers, N. Y.                          | 82                       | 761                                     | 15,630           |
| Milwaukee, Wis.                   | 1,210                    | 12,942                                  | 301,526           | Youngstown, Ohio                        | 198                      | 1,868                                   | 36,904           |
| Minneapolis, Minn.                | 993                      | 13,250                                  | 518,579           |                                         |                          |                                         |                  |

Source: Bureau of the Census, Department of Commerce.

## No. 814.—RETAIL TRADE BY KIND OF BUSINESS

[All money figures in thousands of dollars. For data for 1935, see supplemental table 836, p. 817]

| Kind of business                                        | Number of stores |           | Net sales  |            | Proprietors |           |
|---------------------------------------------------------|------------------|-----------|------------|------------|-------------|-----------|
|                                                         | 1929             | 1933      | 1929       | 1933       | 1929        | 1933      |
| United States.....                                      | 1,543,153        | 1,526,119 | 49,114,653 | 25,037,235 | 1,510,607   | 1,574,341 |
| Food group.....                                         | 481,891          | 473,916   | 10,837,421 | 6,793,010  | 468,301     | 493,112   |
| Grocery stores (without meats).....                     | 181,876          | 163,638   | 3,440,129  | 1,803,242  | 171,991     | 161,216   |
| Combination stores (groceries and meats).....           | 115,549          | 140,372   | 3,903,662  | 3,201,042  | 113,286     | 142,881   |
| Meat markets (including sea foods).....                 | 49,865           | 35,344    | 1,336,958  | 491,866    | 51,819      | 42,155    |
| Candy and confectionery stores.....                     | 63,265           | 54,243    | 671,549    | 271,213    | 67,596      | 60,676    |
| Dairy-products stores (including milk dealers).....     | 11,736           | 18,092    | 797,819    | 498,536    | 11,465      | 19,463    |
| Bottled beer and liquor stores.....                     | .....            | 3,767     | .....      | 16,730     | .....       | 4,203     |
| Other food stores.....                                  | 49,600           | 55,560    | 778,304    | 510,381    | 52,164      | 62,496    |
| Restaurants and eating places.....                      | 134,293          | 200,335   | 2,124,890  | 1,429,938  | 148,948     | 231,968   |
| Eating places.....                                      | 134,293          | 170,434   | 2,124,890  | 1,324,387  | 148,948     | 198,209   |
| Drinking places.....                                    | .....            | 29,901    | .....      | 105,551    | .....       | 33,759    |
| Farmers' supplies and country general stores.....       | 131,223          | 107,453   | 3,689,908  | 1,560,781  | 149,707     | 125,533   |
| Country general stores.....                             | 104,089          | 85,839    | 2,570,744  | 1,097,437  | 121,366     | 103,014   |
| Farmers' supply stores.....                             | 27,134           | 21,644    | 1,119,164  | 463,344    | 28,341      | 22,524    |
| General merchandise group.....                          | 54,636           | 149,703   | 6,444,101  | 3,884,570  | 47,821      | 43,665    |
| Department stores (including mail order).....           | 4,221            | 13,535    | 4,350,098  | 2,538,268  | 1,441       | 783       |
| General merchandise and dry-goods stores.....           | 38,805           | 34,122    | 1,189,856  | 668,145    | 30,037      | 35,229    |
| Variety stores (5-and-10 and to-a-dollar stores).....   | 12,110           | 12,046    | 904,147    | 678,167    | 7,343       | 7,653     |
| Apparel group.....                                      | 114,296          | 186,557   | 4,240,893  | 1,930,035  | 99,613      | 77,790    |
| Men's and boys' stores.....                             | 28,197           | 19,491    | 1,192,723  | 489,104    | 26,364      | 19,055    |
| Women's ready-to-wear specialty stores.....             | 18,253           | 17,768    | 1,087,601  | 1,675,094  | 15,751      | 16,501    |
| Family clothing stores.....                             | 10,551           | 5,765     | 552,353    | 185,371    | 9,345       | 5,604     |
| Accessories and other apparel stores.....               | 33,038           | 24,697    | 601,387    | 255,874    | 26,755      | 22,224    |
| Shoe stores.....                                        | 24,259           | 18,836    | 806,829    | 424,592    | 18,408      | 14,406    |
| Automotive group.....                                   | 237,685          | 305,403   | 9,615,810  | 4,419,249  | 242,800     | 309,086   |
| Motor-vehicle dealers.....                              | 45,301           | 30,646    | 6,407,512  | 2,127,720  | 43,461      | 33,823    |
| Accessories, tire, and battery dealers.....             | 22,313           | 16,027    | 599,295    | 225,970    | 20,961      | 15,626    |
| Filling stations.....                                   | 121,513          | 170,404   | 1,787,423  | 1,531,724  | 100,746     | 156,451   |
| Garages and repair shops <sup>1</sup> .....             | 66,793           | 86,454    | 785,001    | 519,827    | 75,908      | 101,175   |
| Other automotive.....                                   | 1,765            | 1,872     | 36,579     | 14,008     | 1,729       | 2,011     |
| Furniture and household group.....                      | 58,941           | 42,976    | 2,764,721  | 958,780    | 51,962      | 39,623    |
| Furniture stores.....                                   | 26,153           | 17,418    | 1,509,815  | 553,503    | 25,427      | 18,825    |
| Household appliance stores.....                         | 8,931            | 9,761     | 379,704    | 198,662    | 2,569       | 4,180     |
| Radio stores.....                                       | 16,037           | 8,161     | 561,772    | 113,890    | 15,531      | 8,652     |
| Other furniture and household.....                      | 8,820            | 7,636     | 303,430    | 92,716     | 8,435       | 7,957     |
| Lumber, building, and hardware group.....               | 90,386           | 76,096    | 3,845,624  | 1,842,705  | 85,679      | 72,054    |
| Lumber dealers.....                                     | 26,377           | 21,015    | 1,981,284  | 603,416    | 17,056      | 13,266    |
| Hardware stores (including farm-implement dealers)..... | 37,672           | 32,802    | 1,224,550  | 488,486    | 42,099      | 36,767    |
| Heating and plumbing stores.....                        | 12,709           | 11,307    | 334,277    | 123,128    | 12,959      | 11,433    |
| Other building (paint, glass, electrical).....          | 13,728           | 10,974    | 305,503    | 127,675    | 13,465      | 10,568    |
| Cigar stores and cigar stands.....                      | 33,248           | 20,175    | 410,084    | 189,766    | 33,982      | 20,326    |
| Coal and wood yards—ice dealers.....                    | 19,118           | 23,876    | 1,013,399  | 623,077    | 17,729      | 23,324    |
| Drug stores.....                                        | 58,258           | 58,407    | 1,690,399  | 1,066,252  | 57,415      | 57,749    |
| Jewelry stores.....                                     | 19,998           | 14,313    | 536,281    | 176,068    | 19,982      | 14,370    |
| News dealers.....                                       | 10,285           | 6,629     | 149,886    | 58,071     | 8,606       | 5,749     |
| Other retail stores.....                                | 63,835           | 39,380    | 1,613,238  | 500,660    | 62,061      | 38,918    |
| Second-hand stores.....                                 | 15,066           | 20,869    | 148,088    | 106,275    | 16,099      | 23,066    |

<sup>1</sup> Revised figures.

<sup>2</sup> This classification for 1929 includes 3,379 body, fender, and paint shops, and 2,059 parking stations, parking garages and lots, which are not included in the 1933 totals. Figures for these establishments are included in this census in the service division, a new feature of the Census of American Business. The body, fender, and paint shops reported receipts of \$45,106,000 in 1929, gave employment to 9,596 full-time, and 1,033 part-time employees, and paid \$15,289,000 in salaries and wages; the parking services reported receipts of \$39,262,000 and paid \$7,442,000 in salaries and wages to 5,615 full-time and 312 part-time employees.

## No. 814.—RETAIL TRADE BY KIND OF BUSINESS—Continued

(All money figures in thousands of dollars)

| Kind of business                                      | Employees (average)    |               |               | Pay roll       |           |               |               |
|-------------------------------------------------------|------------------------|---------------|---------------|----------------|-----------|---------------|---------------|
|                                                       | 1929,<br>full-<br>time | 1933          |               | 1929,<br>total | 1933      |               |               |
|                                                       |                        | Full-<br>time | Part-<br>time |                | Total     | Full-<br>time | Part-<br>time |
| United States.....                                    | 3,888,581              | 2,703,325     | 730,327       | 6,199,670      | 2,910,445 | 2,894,447     | 945,998       |
| Food group.....                                       | 569,632                | 504,530       | 178,455       | 787,207        | 593,651   | 541,932       | 51,719        |
| Grocery stores (without meats).....                   | 143,413                | 99,015        | 45,855        | 183,439        | 113,590   | 100,926       | 12,664        |
| Combination stores (groceries and meats).....         | 198,726                | 221,225       | 88,192        | 254,264        | 253,174   | 228,871       | 24,303        |
| Meat markets (including sea foods).....               | 81,520                 | 35,035        | 12,517        | 92,398         | 44,153    | 30,712        | 4,441         |
| Candy and confectionery stores.....                   | 47,072                 | 21,034        | 9,527         | 45,724         | 18,523    | 15,725        | 2,798         |
| Dairy products stores (including milk dealers).....   | 54,880                 | 65,664        | 6,242         | 117,930        | 100,837   | 98,554        | 2,083         |
| Bottled beer and liquor stores.....                   |                        | 1,238         | 365           |                | 1,361     | 1,218         | 143           |
| Other food stores.....                                | 59,021                 | 60,319        | 15,757        | 73,452         | 62,213    | 56,926        | 5,287         |
| Restaurants and eating places.....                    | 419,994                | 356,338       | 73,092        | 396,075        | 281,741   | 239,916       | 21,826        |
| Eating places.....                                    | 419,994                | 341,348       | 67,043        | 396,075        | 248,034   | 228,207       | 19,827        |
| Drinking places.....                                  |                        | 14,990        | 6,049         |                | 13,707    | 11,708        | 1,999         |
| Farmers' supplies and country general stores.....     | 164,283                | 98,478        | 30,115        | 176,550        | 89,898    | 81,510        | 8,328         |
| Country general stores.....                           | 107,023                | 67,270        | 21,327        | 116,511        | 58,284    | 53,065        | 5,259         |
| Farmers' supply stores.....                           | 47,260                 | 29,208        | 8,788         | 61,039         | 31,544    | 28,475        | 3,069         |
| General merchandise group.....                        | 702,522                | 525,444       | 159,874       | 818,930        | 533,830   | 481,164       | 42,666        |
| Department stores (including mail order).....         | 434,975                | 364,105       | 71,067        | 620,990        | 386,462   | 356,977       | 29,485        |
| General merchandise and dry-goods stores.....         | 89,527                 | 65,390        | 29,407        | 102,578        | 65,483    | 58,298        | 7,190         |
| Variety stores (5-and-10 and to-a-dollar stores)..... | 128,320                | 95,949        | 59,400        | 95,362         | 81,885    | 72,894        | 8,991         |
| Apparel group.....                                    | 329,264                | 202,331       | 62,314        | 505,353        | 245,844   | 223,684       | 22,160        |
| Men's and boys' stores.....                           | 67,361                 | 41,853        | 9,664         | 123,364        | 57,558    | 54,618        | 3,840         |
| Women's ready-to-wear specialty stores.....           | 100,791                | 87,149        | 17,285        | 134,582        | 172,389   | 168,848       | 3,541         |
| Family clothing stores.....                           | 43,655                 | 21,544        | 5,516         | 65,086         | 29,314    | 24,574        | 1,740         |
| Accessories and other apparel stores.....             | 68,731                 | 37,106        | 15,741        | 100,103        | 43,823    | 37,036        | 6,722         |
| Shoe stores.....                                      | 48,616                 | 34,679        | 14,108        | 82,218         | 45,455    | 41,208        | 4,247         |
| Automotive group.....                                 | 628,333                | 432,989       | 65,383        | 934,402        | 464,546   | 437,701       | 26,845        |
| Motor-vehicle dealers.....                            | 343,670                | 190,691       | 12,671        | 549,010        | 204,818   | 198,542       | 6,276         |
| Accessories, tire, and battery dealers.....           | 50,886                 | 25,341        | 3,543         | 76,104         | 29,596    | 28,210        | 1,386         |
| Filling stations.....                                 | 126,721                | 143,391       | 28,421        | 159,212        | 151,938   | 141,903       | 10,035        |
| Garages and repair shops <sup>1</sup> .....           | 104,009                | 71,904        | 20,299        | 145,542        | 76,216    | 67,267        | 8,949         |
| Other automotive.....                                 | 3,147                  | 1,662         | 449           | 4,584          | 1,978     | 1,779         | 199           |
| Furniture and household group.....                    | 249,945                | 132,071       | 25,969        | 404,095        | 164,833   | 153,123       | 11,710        |
| Furniture stores.....                                 | 119,331                | 66,238        | 5,356         | 196,577        | 84,804    | 81,005        | 3,799         |
| Household appliance stores.....                       | 50,981                 | 38,011        | 10,784        | 79,507         | 44,639    | 40,251        | 4,388         |
| Radio stores.....                                     | 50,321                 | 14,432        | 3,378         | 79,996         | 17,812    | 16,252        | 1,560         |
| Other furniture and household.....                    | 29,312                 | 13,390        | 3,451         | 48,015         | 17,678    | 15,615        | 1,963         |
| Lumber, building, and hardware group.....             | 289,672                | 141,879       | 47,513        | 468,382        | 187,058   | 161,973       | 25,085        |
| Lumber dealers.....                                   | 134,483                | 64,613        | 19,589        | 222,854        | 87,222    | 77,292        | 9,930         |
| Hardware stores (incl. farm-implement dealers).....   | 73,742                 | 43,396        | 9,576         | 108,377        | 50,580    | 46,358        | 4,222         |
| Heating and plumbing stores.....                      | 46,089                 | 19,015        | 12,063        | 50,324         | 28,716    | 21,395        | 7,321         |
| Other building (paint, glass, electrical).....        | 35,258                 | 14,655        | 6,288         | 66,807         | 20,540    | 16,928        | 3,612         |
| Cigar stores and cigar stands.....                    | 27,633                 | 14,797        | 4,294         | 34,235         | 14,293    | 12,889        | 1,304         |
| Coal and wood yards—ice dealers.....                  | 80,218                 | 61,501        | 20,033        | 121,347        | 80,943    | 69,569        | 11,374        |
| Drug stores.....                                      | 148,680                | 116,852       | 30,669        | 196,742        | 128,504   | 115,100       | 11,404        |
| Jewelry stores.....                                   | 38,273                 | 20,338        | 3,469         | 66,563         | 29,620    | 27,983        | 1,637         |
| News dealers.....                                     | 16,101                 | 9,850         | 7,241         | 14,890         | 7,849     | 6,678         | 1,171         |
| Other retail stores.....                              | 164,213                | 72,951        | 14,792        | 262,756        | 94,519    | 87,535        | 6,984         |
| Second-hand stores.....                               | 14,925                 | 15,176        | 7,061         | 20,163         | 15,376    | 13,691        | 1,765         |

<sup>1</sup> Revised figures.<sup>2</sup> See note 2, p. 796.

Source: Bureau of the Census, Department of Commerce.

## No. 815.—RETAIL TRADE: By STATES, 1929 AND 1933

[All money figures in thousands of dollars. For preliminary data for 1935, see supplemental table 837, p. 818]

| Division and State   | Number of stores |             | Net sales    |              | Proprietors and firm members | Full-time employees (average) |             | Total pay roll (full time and part time) |             |
|----------------------|------------------|-------------|--------------|--------------|------------------------------|-------------------------------|-------------|------------------------------------------|-------------|
|                      | 1929             | 1933        | 1929         | 1933         | 1933                         | 1929                          | 1933        | 1929                                     | 1933        |
| United States.....   | 1, 543, 156      | 1, 526, 119 | 49, 114, 653 | 25, 037, 225 | 1, 574, 341                  | 3, 833, 581                   | 2, 703, 325 | 5, 189, 570                              | 2, 910, 445 |
| New England.....     | 108, 764         | 105, 648    | 3, 785, 869  | 2, 197, 760  | 100, 180                     | 310, 275                      | 232, 747    | 422, 040                                 | 268, 859    |
| Connecticut.....     | 22, 202          | 22, 047     | 768, 510     | 480, 620     | 20, 619                      | 58, 934                       | 44, 508     | 87, 196                                  | 53, 485     |
| Maine.....           | 11, 091          | 11, 429     | 307, 627     | 184, 385     | 12, 104                      | 22, 925                       | 17, 755     | 28, 012                                  | 18, 715     |
| Massachusetts.....   | 54, 183          | 52, 430     | 2, 054, 976  | 1, 195, 161  | 47, 538                      | 177, 214                      | 133, 333    | 241, 100                                 | 156, 224    |
| New Hampshire.....   | 6, 557           | 6, 368      | 184, 285     | 111, 799     | 6, 518                       | 13, 643                       | 10, 520     | 16, 786                                  | 11, 377     |
| Rhode Island.....    | 9, 542           | 8, 438      | 318, 295     | 167, 288     | 8, 127                       | 27, 281                       | 19, 080     | 36, 183                                  | 21, 242     |
| Vermont.....         | 5, 189           | 4, 984      | 152, 176     | 78, 600      | 5, 224                       | 10, 278                       | 7, 540      | 12, 763                                  | 7, 809      |
| Middle Atlantic..... | 385, 302         | 368, 489    | 12, 717, 899 | 6, 633, 819  | 355, 348                     | 967, 264                      | 690, 588    | 1, 397, 737                              | 811, 003    |
| New Jersey.....      | 60, 010          | 64, 190     | 1, 843, 545  | 1, 016, 928  | 63, 410                      | 126, 751                      | 95, 939     | 193, 503                                 | 119, 627    |
| New York.....        | 190, 017         | 178, 614    | 7, 070, 414  | 3, 730, 992  | 173, 771                     | 513, 434                      | 377, 320    | 792, 285                                 | 464, 707    |
| Pennsylvania.....    | 135, 276         | 115, 685    | 3, 803, 940  | 1, 876, 899  | 118, 167                     | 317, 099                      | 217, 328    | 411, 939                                 | 227, 269    |
| E. N. Central.....   | 317, 667         | 327, 771    | 11, 262, 958 | 5, 314, 073  | 338, 485                     | 877, 112                      | 597, 792    | 1, 247, 467                              | 633, 401    |
| Illinois.....        | 96, 900          | 98, 370     | 3, 711, 903  | 1, 728, 880  | 99, 327                      | 296, 785                      | 198, 293    | 440, 280                                 | 221, 323    |
| Indiana.....         | 41, 618          | 41, 256     | 1, 222, 384  | 599, 972     | 44, 006                      | 101, 677                      | 63, 665     | 125, 966                                 | 63, 315     |
| Michigan.....        | 55, 958          | 57, 121     | 2, 226, 398  | 949, 137     | 59, 879                      | 161, 245                      | 104, 830    | 241, 870                                 | 108, 989    |
| Ohio.....            | 83, 717          | 85, 961     | 2, 864, 831  | 1, 442, 132  | 88, 196                      | 229, 870                      | 159, 406    | 318, 274                                 | 172, 264    |
| Wisconsin.....       | 39, 474          | 44, 563     | 1, 237, 442  | 623, 952     | 46, 577                      | 88, 535                       | 61, 517     | 121, 077                                 | 67, 530     |
| W. N. Central.....   | 170, 844         | 180, 307    | 5, 289, 554  | 2, 641, 958  | 193, 738                     | 401, 112                      | 293, 938    | 497, 580                                 | 281, 835    |
| Iowa.....            | 32, 716          | 34, 643     | 972, 136     | 479, 695     | 37, 323                      | 70, 538                       | 40, 132     | 86, 094                                  | 47, 020     |
| Kansas.....          | 25, 605          | 26, 770     | 744, 586     | 329, 178     | 20, 082                      | 54, 606                       | 34, 724     | 66, 612                                  | 32, 813     |
| Minnesota.....       | 30, 725          | 33, 879     | 1, 051, 930  | 585, 102     | 35, 916                      | 81, 729                       | 62, 195     | 103, 817                                 | 64, 783     |
| Missouri.....        | 47, 039          | 49, 247     | 1, 448, 220  | 759, 125     | 53, 410                      | 123, 694                      | 89, 166     | 153, 142                                 | 90, 182     |
| Nebraska.....        | 17, 637          | 19, 212     | 562, 945     | 274, 575     | 20, 829                      | 39, 780                       | 29, 085     | 49, 678                                  | 28, 343     |
| North Dakota.....    | 8, 077           | 7, 981      | 234, 540     | 108, 087     | 8, 391                       | 14, 297                       | 9, 487      | 17, 931                                  | 9, 301      |
| South Dakota.....    | 8, 845           | 8, 566      | 255, 197     | 106, 186     | 8, 307                       | 16, 499                       | 10, 089     | 20, 556                                  | 9, 393      |
| South Atlantic.....  | 169, 008         | 168, 300    | 4, 201, 755  | 2, 477, 023  | 174, 688                     | 355, 178                      | 277, 813    | 419, 553                                 | 268, 958    |
| Delaware.....        | 3, 688           | 3, 420      | 103, 512     | 57, 910      | 3, 200                       | 7, 774                        | 5, 673      | 9, 842                                   | 6, 331      |
| Dist. of Col.....    | 5, 931           | 6, 156      | 335, 262     | 241, 515     | 5, 516                       | 31, 453                       | 28, 508     | 44, 385                                  | 33, 681     |
| Florida.....         | 22, 449          | 21, 697     | 504, 523     | 288, 304     | 22, 383                      | 45, 618                       | 33, 484     | 52, 749                                  | 30, 815     |
| Georgia.....         | 28, 687          | 26, 631     | 635, 440     | 352, 916     | 28, 179                      | 67, 554                       | 42, 114     | 60, 569                                  | 35, 763     |
| Maryland.....        | 21, 082          | 23, 487     | 619, 573     | 384, 384     | 24, 653                      | 53, 480                       | 42, 724     | 64, 202                                  | 45, 707     |
| North Carolina.....  | 28, 831          | 27, 652     | 653, 419     | 363, 111     | 29, 252                      | 49, 900                       | 39, 181     | 58, 066                                  | 35, 165     |
| South Carolina.....  | 15, 036          | 15, 528     | 300, 220     | 186, 215     | 16, 097                      | 24, 580                       | 20, 289     | 28, 123                                  | 16, 961     |
| Virginia.....        | 26, 120          | 26, 451     | 900, 929     | 358, 102     | 27, 550                      | 52, 287                       | 41, 118     | 61, 386                                  | 40, 065     |
| West Virginia.....   | 17, 244          | 17, 128     | 447, 877     | 244, 071     | 17, 956                      | 32, 532                       | 24, 793     | 42, 106                                  | 24, 470     |
| E. S. Central.....   | 88, 199          | 83, 370     | 2, 171, 986  | 1, 025, 923  | 89, 645                      | 174, 772                      | 116, 939    | 193, 812                                 | 100, 843    |
| Alabama.....         | 21, 442          | 20, 049     | 527, 101     | 250, 384     | 21, 292                      | 43, 632                       | 29, 962     | 48, 123                                  | 23, 788     |
| Kentucky.....        | 27, 117          | 25, 672     | 587, 340     | 304, 605     | 27, 648                      | 46, 749                       | 32, 503     | 53, 266                                  | 30, 220     |
| Mississippi.....     | 17, 256          | 14, 772     | 413, 737     | 140, 855     | 16, 079                      | 29, 244                       | 16, 906     | 30, 747                                  | 13, 271     |
| Tennessee.....       | 23, 384          | 22, 777     | 643, 817     | 330, 079     | 24, 626                      | 55, 147                       | 37, 568     | 61, 176                                  | 33, 564     |
| W. S. Central.....   | 135, 482         | 132, 605    | 3, 727, 371  | 1, 751, 553  | 142, 382                     | 298, 335                      | 204, 381    | 348, 243                                 | 182, 059    |
| Arkansas.....        | 17, 937          | 15, 918     | 412, 680     | 180, 095     | 17, 965                      | 29, 710                       | 18, 323     | 33, 034                                  | 15, 299     |
| Louisiana.....       | 23, 288          | 22, 239     | 476, 643     | 264, 123     | 22, 808                      | 47, 068                       | 36, 970     | 48, 982                                  | 30, 411     |
| Oklahoma.....        | 27, 339          | 26, 434     | 795, 028     | 341, 774     | 29, 206                      | 69, 259                       | 38, 008     | 74, 266                                  | 34, 029     |
| Texas.....           | 66, 918          | 67, 614     | 2, 043, 020  | 965, 561     | 72, 403                      | 160, 308                      | 111, 080    | 191, 961                                 | 101, 720    |
| Mountain.....        | 44, 661          | 44, 301     | 1, 548, 650  | 739, 614     | 47, 101                      | 116, 018                      | 73, 150     | 156, 852                                 | 80, 183     |
| Arizona.....         | 5, 068           | 4, 749      | 198, 620     | 70, 250      | 5, 039                       | 14, 445                       | 7, 344      | 19, 900                                  | 8, 455      |
| Colorado.....        | 13, 993          | 13, 700     | 466, 959     | 233, 014     | 14, 583                      | 39, 339                       | 25, 616     | 50, 731                                  | 27, 174     |
| Idaho.....           | 4, 913           | 5, 139      | 109, 087     | 87, 406      | 5, 282                       | 11, 313                       | 7, 183      | 15, 386                                  | 7, 940      |
| Montana.....         | 6, 951           | 6, 732      | 243, 828     | 112, 382     | 7, 164                       | 16, 125                       | 10, 147     | 23, 317                                  | 11, 813     |
| Nevada.....          | 1, 310           | 1, 463      | 50, 401      | 28, 680      | 1, 490                       | 3, 109                        | 2, 439      | 5, 096                                   | 3, 317      |
| New Mexico.....      | 4, 191           | 4, 246      | 119, 759     | 53, 944      | 4, 613                       | 8, 596                        | 5, 321      | 10, 344                                  | 5, 351      |
| Utah.....            | 5, 249           | 5, 103      | 198, 659     | 91, 968      | 5, 169                       | 16, 374                       | 9, 914      | 21, 509                                  | 10, 336     |
| Wyoming.....         | 2, 983           | 3, 169      | 103, 437     | 55, 970      | 3, 497                       | 6, 718                        | 4, 988      | 9, 699                                   | 5, 777      |
| Pacific.....         | 122, 371         | 125, 630    | 4, 428, 602  | 2, 285, 497  | 132, 908                     | 345, 495                      | 236, 017    | 507, 546                                 | 282, 431    |
| California.....      | 85, 691          | 89, 554     | 3, 210, 883  | 1, 692, 879  | 94, 310                      | 251, 148                      | 176, 192    | 375, 948                                 | 216, 105    |
| Oregon.....          | 14, 570          | 13, 769     | 455, 931     | 224, 447     | 15, 407                      | 35, 579                       | 22, 335     | 48, 154                                  | 24, 064     |
| Washington.....      | 22, 110          | 22, 307     | 761, 808     | 388, 171     | 23, 189                      | 58, 768                       | 37, 491     | 83, 444                                  | 42, 282     |

Source: Bureau of the Census, Department of Commerce.

## No. 816.—RETAIL TRADE BY TYPE OF OPERATION: 18 KINDS OF BUSINESS

[All money figures in thousands of dollars]

| Kind of business and type of operation                      | Number of stores, 1933 | Net sales        |              | Number of proprietors, 1933 | Full-time employees (average), 1933 | Pay roll, 1933             |                |
|-------------------------------------------------------------|------------------------|------------------|--------------|-----------------------------|-------------------------------------|----------------------------|----------------|
|                                                             |                        | 1929             | 1933         |                             |                                     | Total, including part-time | Part-time only |
| Total all types.....                                        | 1,586, 119             | 49, 114, 653     | 26, 037, 226 | 1, 674, 341                 | 2, 703, 325                         | 2, 910, 445                | 245, 998       |
| Independents.....                                           | 1, 349, 337            | 38, 081, 504     | 17, 823, 692 | 1, 544, 394                 | 1, 908, 401                         | 1, 987, 950                | 181, 518       |
| Chains.....                                                 | 141, 603               | 9, 834, 846      | 6, 312, 769  | 3, 870                      | 685, 207                            | 795, 505                   | 56, 335        |
| Direct selling (house-to-house).....                        | 7, 026                 | 93, 961          | 187, 368     | 6, 655                      | 36, 658                             | 47, 247                    | 1, 386         |
| Mail-order houses (catalog only).....                       | 311                    | 515, 237         | 244, 381     | 199                         | 27, 752                             | 24, 786                    | 546            |
| Commissaries or company stores.....                         | 2, 719                 | 115, 583         | 96, 678      | 1, 415                      | 6, 873                              | 8, 020                     | 631            |
| Utility-operated stores.....                                | 4, 127                 | 163, 371         | 76, 079      | 123                         | 10, 889                             | 16, 211                    | 2, 805         |
| All other types <sup>1</sup> .....                          | 20, 996                | 310, 151         | 294, 483     | 17, 685                     | 27, 545                             | 30, 728                    | 2, 718         |
| Department stores <sup>2</sup> .....                        | 3, 535                 | 4, 350, 098      | 2, 558, 268  | 788                         | 364, 105                            | 385, 492                   | 26, 486        |
| Independents.....                                           | 1, 428                 | 3, 140, 287      | 1, 708, 445  | 750                         | 279, 979                            | 290, 883                   | 16, 946        |
| Chains.....                                                 | 2, 057                 | 725, 021         | 605, 722     | 7                           | 59, 517                             | 68, 455                    | 9, 246         |
| All other types.....                                        | 50                     | 484, 790         | 224, 001     | 16                          | 24, 609                             | 21, 119                    | 293            |
| Variety, 5-and-10 and 25-a-dollar stores <sup>3</sup> ..... | 12, 046                | 904, 147         | 978, 187     | 7, 658                      | 95, 949                             | 81, 885                    | 8, 991         |
| Independents.....                                           | 6, 572                 | 88, 340          | 59, 699      | 7, 478                      | 6, 336                              | 5, 125                     | 912            |
| Chains.....                                                 | 5, 400                 | 814, 762         | 618, 333     | 102                         | 89, 609                             | 76, 757                    | 8, 079         |
| All other types.....                                        | 74                     | 1, 045           | 135          | 72                          | 4                                   | 3                          | -----          |
| Men's and boys' clothing and furnishings stores.....        | 19, 491                | 1, 192, 722      | 459, 164     | 19, 056                     | 41, 853                             | 57, 558                    | 3, 840         |
| Independents.....                                           | 17, 599                | 920, 565         | 374, 205     | 18, 799                     | 31, 007                             | 42, 817                    | 2, 973         |
| Chains.....                                                 | 1, 693                 | 252, 354         | 107, 553     | 96                          | 9, 543                              | 14, 115                    | 814            |
| All other types.....                                        | 199                    | 11, 003          | 7, 340       | 100                         | 708                                 | 923                        | 53             |
| Family clothing stores (men's, women's and children's)..... | 5, 765                 | 559, 363         | 185, 371     | 5, 804                      | 21, 544                             | 25, 314                    | 1, 740         |
| Independents.....                                           | 5, 177                 | 394, 707         | 146, 744     | 5, 536                      | 16, 711                             | 20, 077                    | 1, 245         |
| Chains.....                                                 | 550                    | 150, 739         | 37, 688      | 37                          | 4, 667                              | 6, 074                     | 489            |
| All other types.....                                        | 38                     | 6, 907           | 1, 039       | 31                          | 156                                 | 163                        | 6              |
| Women's ready-to-wear specialty stores.....                 | 17, 768                | 1, 087, 601      | 575, 094     | 18, 501                     | 87, 149                             | 72, 389                    | 5, 541         |
| Independents.....                                           | 15, 773                | 807, 811         | 428, 482     | 16, 274                     | 51, 634                             | 56, 044                    | 4, 614         |
| Chains.....                                                 | 1, 726                 | 246, 960         | 134, 255     | 145                         | 14, 308                             | 14, 965                    | 833            |
| All other types.....                                        | 269                    | 32, 830          | 12, 357      | 82                          | 1, 206                              | 1, 380                     | 164            |
| Shoe stores.....                                            | 18, 838                | 806, 829         | 424, 692     | 14, 406                     | 34, 679                             | 45, 455                    | 4, 247         |
| Independents.....                                           | 13, 386                | 431, 818         | 197, 345     | 14, 108                     | 16, 015                             | 20, 609                    | 1, 841         |
| Chains.....                                                 | 4, 442                 | 306, 216         | 196, 249     | 124                         | 15, 664                             | 21, 681                    | 2, 010         |
| All other types.....                                        | 1, 008                 | 68, 795          | 30, 908      | 174                         | 3, 000                              | 3, 155                     | 390            |
| Furniture stores.....                                       | 17, 418                | 1, 509, 815      | 553, 039     | 18, 825                     | 66, 238                             | 84, 804                    | 3, 799         |
| Independents.....                                           | 16, 728                | 1, 267, 277      | 468, 333     | 18, 700                     | 60, 413                             | 71, 284                    | 3, 598         |
| Chains.....                                                 | 570                    | 213, 631         | 78, 418      | 26                          | 8, 965                              | 12, 308                    | 140            |
| All other types.....                                        | 120                    | 28, 877          | 8, 747       | 99                          | 860                                 | 1, 212                     | 61             |
| Household appliance stores.....                             | 9, 761                 | ( <sup>3</sup> ) | 193, 862     | 4, 189                      | 35, 010                             | 44, 639                    | 4, 388         |
| Independents.....                                           | 9, 926                 | ( <sup>3</sup> ) | 65, 880      | 4, 021                      | 8, 394                              | 10, 796                    | 1, 261         |
| Chains.....                                                 | 1, 355                 | ( <sup>3</sup> ) | 42, 669      | 12                          | 13, 226                             | 12, 291                    | 392            |
| All other types.....                                        | 4, 480                 | ( <sup>3</sup> ) | 90, 113      | 156                         | 16, 390                             | 21, 552                    | 2, 735         |
| Radio stores.....                                           | 8, 161                 | 561, 772         | 113, 889     | 8, 652                      | 14, 432                             | 17, 812                    | 1, 590         |
| Independents.....                                           | 7, 846                 | 443, 974         | 94, 128      | 8, 525                      | 11, 940                             | 14, 563                    | 1, 493         |
| Chains.....                                                 | 207                    | 107, 279         | 17, 793      | 19                          | 2, 239                              | 2, 898                     | 36             |
| All other types.....                                        | 108                    | 10, 519          | 1, 978       | 108                         | 253                                 | 351                        | 31             |
| Grocery stores (without meats).....                         | 163, 538               | 3, 449, 129      | 1, 803, 242  | 161, 218                    | 99, 016                             | 113, 590                   | 12, 664        |
| Independents.....                                           | 137, 852               | 1, 674, 805      | 978, 897     | 159, 304                    | 44, 272                             | 40, 945                    | 4, 937         |
| Chains.....                                                 | 24, 740                | 1, 570, 252      | 811, 910     | 245                         | 53, 980                             | 71, 808                    | 7, 597         |
| All other types.....                                        | 946                    | 198, 072         | 12, 435      | 1, 067                      | 818                                 | 887                        | 130            |
| Combination stores (groceries and meats).....               | 140, 372               | 3, 903, 682      | 3, 201, 042  | 142, 881                    | 221, 225                            | 253, 174                   | 24, 303        |
| Independents.....                                           | 115, 184               | 2, 463, 173      | 1, 797, 021  | 142, 072                    | 119, 852                            | 119, 065                   | 11, 275        |
| Chains.....                                                 | 24, 924                | 1, 257, 727      | 1, 307, 090  | 483                         | 100, 787                            | 133, 424                   | 12, 999        |
| All other types.....                                        | 264                    | 182, 762         | 6, 931       | 326                         | 586                                 | 685                        | 29             |
| Restaurants and eating places <sup>4</sup> .....            | 170, 434               | 1, 802, 813      | 1, 324, 337  | 198, 209                    | 341, 348                            | 248, 034                   | 19, 827        |
| Independents.....                                           | 166, 593               | 1, 551, 912      | 1, 122, 834  | 197, 684                    | 230, 814                            | 230, 068                   | 17, 774        |
| Chains.....                                                 | 3, 377                 | 246, 788         | 196, 800     | 161                         | 59, 457                             | 45, 943                    | 1, 902         |
| All other types.....                                        | 401                    | 6, 213           | 4, 705       | 364                         | 1, 077                              | 1, 023                     | 151            |
| Cigar stores and cigar stands.....                          | 20, 175                | 410, 064         | 189, 758     | 20, 328                     | 14, 797                             | 14, 398                    | 1, 304         |
| Independents.....                                           | 18, 278                | 301, 328         | 123, 521     | 20, 146                     | 9, 594                              | 9, 463                     | 1, 235         |
| Chains.....                                                 | 1, 713                 | 102, 980         | 64, 396      | 50                          | 4, 990                              | 4, 660                     | 58             |
| All other types.....                                        | 184                    | 6, 756           | 1, 839       | 130                         | 213                                 | 180                        | 11             |
| Motor-vehicle dealers.....                                  | 30, 648                | ( <sup>3</sup> ) | 2, 127, 720  | 33, 823                     | 190, 891                            | 204, 818                   | 6, 278         |
| Independents.....                                           | 30, 219                | ( <sup>3</sup> ) | 2, 013, 692  | 33, 792                     | 180, 273                            | 190, 660                   | 6, 043         |
| Chains.....                                                 | 409                    | ( <sup>3</sup> ) | 112, 703     | 21                          | 10, 308                             | 14, 019                    | 232            |
| All other types.....                                        | 18                     | ( <sup>3</sup> ) | 1, 326       | 10                          | 112                                 | 189                        | 1              |

For footnotes, see next page.

# No. 816.—RETAIL TRADE BY TYPE OF OPERATION: 18 KINDS OF BUSINESS— Continued

[All money figures in thousands of dollars]

| Kind of business and type of operation         | Number of stores, 1933 | Net sales  |           | Number of proprietors, 1933 | Full-time employ-ees (av-erage), 1933 | Pay roll, 1933              |                |
|------------------------------------------------|------------------------|------------|-----------|-----------------------------|---------------------------------------|-----------------------------|----------------|
|                                                |                        | 1929       | 1933      |                             |                                       | Total, includ-ing part-time | Part-time only |
| Filling stations.....                          | 170,404                | 1,787,423  | 1,631,724 | 156,451                     | 143,395                               | 151,938                     | 10,035         |
| Independents.....                              | 134,239                | 1,113,012  | 984,887   | 155,734                     | 63,888                                | 65,202                      | 7,508          |
| Chains.....                                    | 36,026                 | 605,204    | 646,837   | 647                         | 74,226                                | 86,382                      | 2,513          |
| All other types.....                           | 139                    | 69,207     | 3,175     | 70                          | 301                                   | 354                         | 14             |
| Drug stores.....                               | 53,407                 | 1,690,899  | 1,066,362 | 57,749                      | 118,852                               | 128,504                     | 11,404         |
| Independents.....                              | 53,341                 | 1,371,986  | 788,568   | 56,433                      | 83,158                                | 91,524                      | 10,669         |
| Chains.....                                    | 3,780                  | 312,451    | 267,299   | 140                         | 31,564                                | 32,818                      | 500            |
| All other types.....                           | 1,306                  | 6,962      | 10,385    | 1,176                       | 2,130                                 | 2,164                       | 235            |
| Hardware stores <sup>1</sup> .....             | 32,802                 | 706,053    | 438,488   | 36,787                      | 43,396                                | 60,580                      | 4,222          |
| Independents.....                              | 32,234                 | 667,829    | 467,187   | 36,711                      | 40,904                                | 47,452                      | 4,128          |
| Chains.....                                    | 536                    | 21,141     | 19,894    | 46                          | 2,399                                 | 3,006                       | 89             |
| All other types.....                           | 32                     | 17,083     | 1,425     | 10                          | 93                                    | 122                         | 5              |
| Jewelry stores.....                            | 14,313                 | 536,280    | 175,086   | 14,370                      | 20,338                                | 29,620                      | 1,637          |
| Independents.....                              | 14,050                 | 498,602    | 163,886   | 14,289                      | 18,780                                | 27,497                      | 1,605          |
| Chains.....                                    | 191                    | 34,246     | 10,359    | 11                          | 1,454                                 | 1,976                       | 26             |
| All other types.....                           | 72                     | 3,432      | 821       | 70                          | 104                                   | 148                         | 6              |
| All other kinds of business <sup>2</sup> ..... | 612,247                | 28,663,393 | 7,372,900 | 656,891                     | 768,308                               | 900,276                     | 93,735         |

<sup>1</sup> Includes leased departments, market and roadside stands, itinerant vendors and rolling stores, cooperatives, a few retailer-wholesalers (whose business is evenly divided between the two), and country buyers who also operate retail stores. The latter were difficult to identify from the 1933 schedule, and the comparison between 1929 and 1933 is subject to qualification in that the entire 1929 figures for retailer-country buyers are included for comparison purposes in figures for independents.

<sup>2</sup> One large national chain with total sales in 1933 (published in the press) of more than \$78,000,000 so changed the character of its business since 1929 that it now is classified as a department-store chain whereas it was a variety-store chain before.

<sup>3</sup> Data not available for 1929.

<sup>4</sup> Restaurants and eating places in the 1933 tabulation include lunch counters and refreshment stands in addition to restaurants, cafeterias, and lunch rooms. The 1929 figures include only the latter three kinds of restaurants and, therefore, are not strictly comparable, but the new basis is considered preferable for future comparisons, in order to distinguish eating places as such from drinking places.

<sup>5</sup> Figures for 1933 include two business classifications—hardware stores, and hardware and farm implement dealers. The 1929 figures include only the former and are not comparable with figures for 1933.

<sup>6</sup> Data for "Household appliance stores" and "Motor-vehicle dealers" included for 1929 but not for 1933.

Source: Bureau of the Census, Department of Commerce.

# No. 817.—RETAIL TRADE FOR INDIVIDUAL CITIES OF 50,000 OR MORE INHABITANTS, 1933

| City                     | Num-ber of stores | Full-time em-ploy-ees (avg.) | Net sales (thou-sands of dollars) | City                         | Num-ber of stores | Full-time em-ploy-ees (avg.) | Net sales (thou-sands of dollars) |
|--------------------------|-------------------|------------------------------|-----------------------------------|------------------------------|-------------------|------------------------------|-----------------------------------|
| Akron, Ohio.....         | 3,427             | 8,407                        | 70,445                            | Charlotte, N. C.....         | 946               | 4,054                        | 28,596                            |
| Albany, N. Y.....        | 2,434             | 7,023                        | 60,650                            | Chattanooga, Tenn.....       | 1,503             | 4,086                        | 32,152                            |
| Allentown, Pa.....       | 1,285             | 2,960                        | 23,830                            | Chester, Pa.....             | 824               | 1,452                        | 13,821                            |
| Altoona, Pa.....         | 800               | 2,279                        | 17,048                            | Chicago, Ill.....            | 44,599            | 122,551                      | 990,084                           |
| Asheville, N. C.....     | 642               | 1,951                        | 15,185                            | Cicero, Ill.....             | 905               | 738                          | 9,530                             |
| Atlanta, Ga.....         | 3,200             | 13,461                       | 94,484                            | Cincinnati, Ohio.....        | 6,660             | 20,733                       | 160,459                           |
| Atlantic City, N. J..... | 1,705             | 3,921                        | 30,423                            | Cleveland, Ohio.....         | 13,413            | 33,058                       | 275,935                           |
| Augusta, Ga.....         | 913               | 1,905                        | 14,641                            | Cleveland Heights, Ohio..... | 313               | 952                          | 9,422                             |
| Austin, Tex.....         | 886               | 2,432                        | 19,531                            | Columbia, S. C.....          | 802               | 2,195                        | 16,056                            |
| Baltimore, Md.....       | 13,499            | 30,164                       | 251,461                           | Columbus, Ohio.....          | 3,940             | 12,144                       | 93,253                            |
| Bayonne, N. J.....       | 1,155             | 899                          | 13,552                            | Covington, Ky.....           | 963               | 1,323                        | 13,704                            |
| Beaumont, Tex.....       | 1,802             | 2,046                        | 15,290                            | Dallas, Tex.....             | 3,694             | 12,309                       | 88,512                            |
| Berkeley, Calif.....     | 1,050             | 1,903                        | 21,009                            | Davenport, Iowa.....         | 830               | 2,346                        | 17,843                            |
| Bethlehem, Pa.....       | 729               | 1,324                        | 11,496                            | Dayton, Ohio.....            | 2,680             | 7,100                        | 57,915                            |
| Binghamton, N. Y.....    | 677               | 2,933                        | 27,499                            | Dearborn, Mich.....          | 475               | 734                          | 7,600                             |
| Birmingham, Ala.....     | 2,742             | 8,821                        | 55,914                            | Decatur, Ill.....            | 772               | 2,081                        | 15,449                            |
| Boston, Mass.....        | 10,632            | 49,370                       | 374,805                           | Denver, Colo.....            | 4,133             | 13,522                       | 106,553                           |
| Bridgeport, Conn.....    | 2,293             | 5,108                        | 44,337                            | Des Moines, Iowa.....        | 2,157             | 6,755                        | 55,023                            |
| Brooklyn, Mass.....      | 896               | 2,131                        | 20,348                            | Detroit, Mich.....           | 17,141            | 46,847                       | 360,936                           |
| Buffalo, N. Y.....       | 8,215             | 18,890                       | 162,326                           | Duluth, Minn.....            | 1,285             | 3,518                        | 28,268                            |
| Cambridge, Mass.....     | 1,026             | 2,930                        | 26,135                            | Durham, N. C.....            | 611               | 1,796                        | 14,656                            |
| Camden, N. J.....        | 2,117             | 3,507                        | 32,689                            | East Chicago, Ind.....       | 694               | 616                          | 5,407                             |
| Canton, Ohio.....        | 1,493             | 3,287                        | 28,137                            | East Orange, N. J.....       | 821               | 1,526                        | 18,334                            |
| Cedar Rapids, Iowa.....  | 920               | 2,532                        | 19,918                            | East St. Louis, Ill.....     | 1,089             | 1,606                        | 14,627                            |
| Charleston, S. C.....    | 1,037             | 2,541                        | 16,987                            | Elizabeth, N. J.....         | 2,359             | 2,905                        | 33,355                            |
| Charleston, W. Va.....   | 956               | 3,019                        | 22,885                            | El Paso, Tex.....            | 1,282             | 3,028                        | 21,346                            |

## No. 817.—RETAIL TRADE FOR INDIVIDUAL CITIES OF 50,000 OR MORE INHABITANTS, 1933—Continued

| City                 | Number of stores | Full-time employees (avg.) | Net sales (thousands of dollars) | City                  | Number of stores | Full-time employees (avg.) | Net sales (thousands of dollars) |
|----------------------|------------------|----------------------------|----------------------------------|-----------------------|------------------|----------------------------|----------------------------------|
| Erie, Pa.            | 1,566            | 3,514                      | 27,813                           | Niagara Falls, N. Y.  | 1,141            | 2,046                      | 19,197                           |
| Evansville, Ind.     | 682              | 3,014                      | 26,666                           | Norfolk, Va.          | 1,941            | 5,411                      | 30,228                           |
| Evansville, Ind.     | 1,327            | 3,068                      | 22,569                           | Oakland, Calif.       | 4,808            | 10,846                     | 103,904                          |
| Fall River, Mass.    | 1,573            | 3,292                      | 28,624                           | Oak Park, Ill.        | 566              | 2,022                      | 21,029                           |
| Flint, Mich.         | 1,674            | 3,864                      | 37,094                           | Oklahoma City, Okla.  | 2,189            | 7,404                      | 53,492                           |
| Fort Wayne, Ind.     | 1,452            | 3,881                      | 31,299                           | Omaha, Nebr.          | 3,152            | 9,785                      | 73,903                           |
| Fort Worth, Tex.     | 2,300            | 5,612                      | 43,090                           | Pasadena, Calif.      | 1,336            | 3,020                      | 28,540                           |
| Fresno, Calif.       | 1,432            | 2,836                      | 27,579                           | Passaic, N. J.        | 1,178            | 1,469                      | 18,621                           |
| Galveston, Tex.      | 763              | 2,134                      | 15,611                           | Paterson, N. J.       | 2,677            | 4,670                      | 48,179                           |
| Gary, Ind.           | 1,027            | 1,820                      | 17,264                           | Pawtucket, R. I.      | 897              | 2,244                      | 20,600                           |
| Glendale, Calif.     | 1,053            | 1,915                      | 19,773                           | Peoria, Ill.          | 1,422            | 4,018                      | 34,699                           |
| Grand Rapids, Mich.  | 2,215            | 5,953                      | 45,481                           | Philadelphia, Pa.     | 26,154           | 70,738                     | 514,456                          |
| Greensboro, N. C.    | 663              | 2,161                      | 17,195                           | Pittsburgh, Pa.       | 6,942            | 27,327                     | 105,681                          |
| Hamilton, Ohio       | 791              | 1,409                      | 12,398                           | Pontiac, Mich.        | 706              | 1,596                      | 12,439                           |
| Hammond, Ind.        | 828              | 1,949                      | 18,982                           | Port Arthur, Tex.     | 473              | 1,052                      | 10,711                           |
| Hamtramck, Mich.     | 695              | 883                        | 8,580                            | Portland, Maine       | 1,149            | 3,978                      | 31,522                           |
| Harrisburg, Pa.      | 1,241            | 4,028                      | 29,629                           | Portland, Ore.        | 4,584            | 12,717                     | 106,865                          |
| Hartford, Conn.      | 2,192            | 8,401                      | 68,944                           | Providence, R. I.     | 3,223            | 10,899                     | 85,820                           |
| Highland Park, Mich. | 591              | 1,562                      | 14,486                           | Pueblo, Colo.         | 674              | 1,440                      | 12,866                           |
| Hoboken, N. J.       | 1,017            | 1,336                      | 15,242                           | Quincy, Mass.         | 747              | 1,844                      | 10,807                           |
| Holyoke, Mass.       | 890              | 1,760                      | 16,334                           | Racine, Wis.          | 1,054            | 1,556                      | 16,507                           |
| Houston, Tex.        | 4,328            | 12,637                     | 98,932                           | Reading, Pa.          | 1,889            | 4,401                      | 30,741                           |
| Huntington, W. Va.   | 1,124            | 2,623                      | 20,167                           | Richmond, Va.         | 2,648            | 9,011                      | 65,982                           |
| Indianapolis, Ind.   | 4,494            | 14,341                     | 104,177                          | Roanoke, Va.          | 629              | 3,229                      | 203,384                          |
| Ironton, N. J.       | 716              | 731                        | 10,474                           | Rochester, N. Y.      | 4,590            | 12,628                     | 100,321                          |
| Jackson, Mich.       | 687              | 1,688                      | 13,882                           | Rockford, Ill.        | 1,126            | 2,798                      | 22,332                           |
| Jacksonville, Fla.   | 1,747            | 5,149                      | 37,767                           | Sacramento, Calif.    | 1,750            | 4,504                      | 42,754                           |
| Jersey City, N. J.   | 4,289            | 5,328                      | 61,730                           | Saginaw, Mich.        | 991              | 2,172                      | 19,065                           |
| Johnstown, Pa.       | 899              | 2,313                      | 18,247                           | St. Joseph, Mo.       | 1,203            | 2,855                      | 22,765                           |
| Kalamazoo, Mich.     | 838              | 2,224                      | 20,215                           | St. Louis, Mo.        | 12,627           | 32,610                     | 252,513                          |
| Kansas City, Kans.   | 1,580            | 2,101                      | 19,686                           | St. Paul, Minn.       | 3,297            | 12,694                     | 101,323                          |
| Kansas City, Mo.     | 6,206            | 22,921                     | 168,650                          | Salt Lake City, Utah  | 1,509            | 5,357                      | 42,109                           |
| Kenosha, Wis.        | 762              | 1,018                      | 11,289                           | San Antonio, Tex.     | 3,868            | 8,920                      | 60,618                           |
| Knoxville, Tenn.     | 1,121            | 3,756                      | 27,404                           | San Diego, Calif.     | 3,025            | 5,837                      | 53,917                           |
| Lakewood, Ohio       | 539              | 1,120                      | 12,875                           | San Francisco, Calif. | 10,087           | 30,408                     | 254,075                          |
| Launcester, Pa.      | 862              | 2,192                      | 18,318                           | San Jose, Calif.      | 1,113            | 2,848                      | 28,470                           |
| Lansing, Mich.       | 1,016            | 2,880                      | 23,395                           | Savannah, Ga.         | 1,230            | 2,940                      | 19,911                           |
| Lawrence, Mass.      | 1,434            | 2,580                      | 20,762                           | Schenectady, N. Y.    | 1,481            | 3,456                      | 31,365                           |
| Lincoln, Nebr.       | 1,044            | 3,738                      | 28,064                           | Scranton, Pa.         | 1,617            | 5,710                      | 41,843                           |
| Little Rock, Ark.    | 976              | 3,178                      | 22,623                           | Seattle, Wash.        | 5,768            | 16,229                     | 129,096                          |
| Long Beach, Calif.   | 2,177            | 4,241                      | 41,676                           | Shreveport, La.       | 1,084            | 3,627                      | 24,260                           |
| Los Angeles, Calif.  | 18,817           | 56,608                     | 453,340                          | Sioux City, Iowa      | 1,098            | 3,507                      | 26,704                           |
| Louisville, Ky.      | 4,012            | 10,919                     | 81,229                           | Somerville, Mass.     | 955              | 1,989                      | 19,690                           |
| Lowell, Mass.        | 1,365            | 2,915                      | 25,621                           | South Bend, Ind.      | 1,275            | 3,260                      | 25,249                           |
| Lynn, Mass.          | 1,444            | 3,653                      | 31,824                           | Spokane, Wash.        | 1,807            | 4,403                      | 38,375                           |
| McKeesport, Pa.      | 714              | 1,002                      | 14,398                           | Springfield, Ill.     | 1,110            | 3,352                      | 24,369                           |
| Macon, Ga.           | 659              | 2,111                      | 14,694                           | Springfield, Mass.    | 2,258            | 7,469                      | 58,010                           |
| Madison, Wis.        | 961              | 2,803                      | 23,722                           | Springfield, Mo.      | 1,057            | 2,342                      | 18,604                           |
| Malden, Mass.        | 649              | 1,362                      | 14,688                           | Springfield, Ohio     | 947              | 1,922                      | 16,209                           |
| Manchester, N. H.    | 1,015            | 2,336                      | 21,434                           | Syracuse, N. Y.       | 2,278            | 7,531                      | 64,722                           |
| Medford, Mass.       | 438              | 880                        | 9,611                            | Tacoma, Wash.         | 1,690            | 3,219                      | 28,950                           |
| Memphis, Tenn.       | 2,444            | 9,163                      | 69,077                           | Tampa, Fla.           | 1,643            | 3,336                      | 26,725                           |
| Miami, Fla.          | 2,429            | 6,938                      | 44,940                           | Terre Haute, Ind.     | 1,146            | 2,306                      | 18,691                           |
| Milwaukee, Wis.      | 10,094           | 21,972                     | 178,740                          | Toledo, Ohio          | 3,464            | 9,713                      | 76,595                           |
| Minneapolis, Minn.   | 6,122            | 21,997                     | 168,636                          | Topeka, Kans.         | 1,036            | 2,884                      | 22,267                           |
| Mobile, Ala.         | 980              | 2,787                      | 19,870                           | Trenton, N. J.        | 2,297            | 4,313                      | 37,805                           |
| Montgomery, Ala.     | 788              | 2,409                      | 16,020                           | Troy, N. Y.           | 1,285            | 2,845                      | 26,115                           |
| Mt. Vernon, N. Y.    | 378              | 2,055                      | 22,059                           | Tulsa, Okla.          | 2,027            | 6,189                      | 44,680                           |
| Nashville, Tenn.     | 2,206            | 6,973                      | 50,660                           | Union City, N. J.     | 1,068            | 1,617                      | 17,699                           |
| Newark, N. J.        | 8,228            | 21,413                     | 188,167                          | Utica, N. Y.          | 1,270            | 3,018                      | 27,867                           |
| New Bedford, Mass.   | 1,714            | 3,284                      | 30,230                           | Waco, Tex.            | 843              | 1,917                      | 15,206                           |
| New Britain, Conn.   | 844              | 1,376                      | 13,925                           | Washington, D. C.     | 6,156            | 28,508                     | 241,515                          |
| New Haven, Conn.     | 2,691            | 6,159                      | 55,467                           | Waterbury, Conn.      | 1,280            | 2,703                      | 24,293                           |
| New Orleans, La.     | 7,708            | 16,945                     | 103,386                          | Wheeling, W. Va.      | 1,017            | 3,058                      | 22,449                           |
| New Rochelle, N. Y.  | 660              | 2,241                      | 21,716                           | Wichita, Kans.        | 1,844            | 4,728                      | 36,894                           |
| Newton, Mass.        | 464              | 1,257                      | 12,429                           | Wilkes-Barre, Pa.     | 1,412            | 4,290                      | 31,049                           |
| New York, N. Y.      | 97,528           | 236,334                    | 2,455,801                        | Wilmington, Del.      | 1,820            | 4,085                      | 37,376                           |
| Bronx Borough        | 14,308           | 18,735                     | 243,789                          | Winston-Salem, N. C.  | 819              | 2,038                      | 16,158                           |
| Brooklyn Borough     | 33,423           | 47,934                     | 557,619                          | Worcester, Mass.      | 2,024            | 6,492                      | 54,597                           |
| Manhattan Borough    | 35,089           | 146,434                    | 1,165,805                        | Yonkers, N. Y.        | 1,736            | 2,897                      | 32,507                           |
| Queens Borough       | 12,389           | 20,548                     | 243,773                          | York, Pa.             | 954              | 2,312                      | 18,907                           |
| Richmond Borough     | 2,319            | 2,633                      | 34,815                           | Youngstown, Ohio      | 1,854            | 6,268                      | 40,765                           |

Source: Bureau of the Census, Department of Commerce.



## No. 818.—INDEXES OF THE VALUE OF SALES OF CHAIN STORES

NOTE.—The combined index for all groups includes in addition to the apparel and grocery chains shown in the table, 6 five-and-ten (variety), 2 drug, and 2 (beginning January 1936, 3) shoe chains. Indexes are based on daily average sales. Each monthly index is expressed as a percentage of the average for the same month of the base period. Allowance for the fluctuating date of Easter is made in the case of apparel, variety, and shoe chains. No allowance has been made for changes in the number of stores operated

[1929-1931=100]

| Month             | Combined index<br>(18 companies) <sup>1</sup> |      |      |      |      | Apparel index<br>(3 companies) <sup>1</sup> |      |      |      | Grocery index<br>(5 companies) |      |      |      |
|-------------------|-----------------------------------------------|------|------|------|------|---------------------------------------------|------|------|------|--------------------------------|------|------|------|
|                   | 1932                                          | 1933 | 1934 | 1935 | 1936 | 1933                                        | 1934 | 1935 | 1936 | 1933                           | 1934 | 1935 | 1936 |
| Annual index..... | 84                                            | 88   | 92   | 97   | ---  | 81                                          | 97   | 108  | ---  | 78                             | 84   | 90   | ---  |
| January.....      | 88                                            | 80   | 89   | 92   | 97   | 76                                          | 93   | 95   | 100  | 76                             | 81   | 86   | 93   |
| February.....     | 90                                            | 79   | 91   | 96   | 99   | 73                                          | 90   | 97   | 105  | 74                             | 82   | 88   | 93   |
| March.....        | 84                                            | 76   | 91   | 96   | 101  | 63                                          | 100  | 105  | 119  | 75                             | 81   | 88   | 94   |
| April.....        | 89                                            | 80   | 92   | 96   | 102  | 84                                          | 103  | 104  | 115  | 75                             | 82   | 89   | 94   |
| May.....          | 85                                            | 80   | 90   | 92   | 103  | 79                                          | 98   | 100  | 117  | 77                             | 82   | 89   | 93   |
| June.....         | 82                                            | 84   | 92   | 95   | 108  | 81                                          | 91   | 99   | 118  | 79                             | 84   | 90   | 96   |
| July.....         | 83                                            | 87   | 93   | 96   | 110  | 79                                          | 88   | 101  | 125  | 82                             | 85   | 91   | 100  |
| August.....       | 80                                            | 87   | 93   | 98   | ---  | 91                                          | 97   | 101  | ---  | 81                             | 87   | 92   | ---  |
| September.....    | 83                                            | 88   | 95   | 98   | ---  | 84                                          | 99   | 107  | ---  | 81                             | 86   | 94   | ---  |
| October.....      | 82                                            | 86   | 92   | 100  | ---  | 88                                          | 101  | 110  | ---  | 80                             | 85   | 93   | ---  |
| November.....     | 79                                            | 86   | 93   | 100  | ---  | 82                                          | 102  | 108  | ---  | 80                             | 85   | 92   | ---  |
| December.....     | 77                                            | 88   | 94   | 103  | ---  | 88                                          | 99   | 114  | ---  | 80                             | 86   | 93   | ---  |

<sup>1</sup> The combined index includes 20 companies and the apparel index 4 companies beginning January 1936.

## No. 819.—INDEXES OF DOLLAR VALUES OF AUTOMOBILE RETAIL SALES, VARIETY STORE SALES, AND RETAIL SALES OF GENERAL MERCHANDISE IN SMALL TOWNS AND RURAL AREAS

NOTE.—Indexes of automobile sales are based on unit sales figures reported monthly to the Automobile Manufacturers' Association, which represent over 95 percent of all dealer's sales. The unit sales figures are converted to dollar volume by the use of a computed "average realized price." Indexes of sales in small towns and rural areas are based on figures furnished by three mail-order companies for sales by mail only and by a large group of chain units operating in small towns and cities which serve the rural population. Sales of reporting concerns represent about one-fifth of all general merchandise sales in places of less than 30,000 inhabitants. Indexes of variety store sales are based on figures furnished by chain organizations, doing more than 75 percent of the business in the variety field. Adjustment has been made for changes in the number of stores operated by these companies so that the indexes reflect sales changes for a constant number of stores. All indexes are computed from dollar sales reduced to a daily average basis. In computing the index of automobile sales, equal weight is given to all days of the month, while in computing the other two indexes, allowance is made for the varying number of business days and the varying sales importance of the different days of the week. In addition, all monthly indexes are adjusted for seasonal changes. No allowance is made for the changing date of Easter

[1929-1931=100]

| Year                           | Year  | Jan.  | Feb.  | Mar.  | Apr.  | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov.  | Dec.  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>AUTOMOBILE RETAIL SALES</b> |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1929.....                      | 144.1 | 138.5 | 136.5 | 163.5 | 154.5 | 146.0 | 141.5 | 152.0 | 148.5 | 141.5 | 141.0 | 132.5 | 113.0 |
| 1930.....                      | 93.0  | 110.5 | 114.5 | 113.5 | 103.5 | 100.5 | 90.0  | 83.0  | 78.0  | 82.0  | 76.0  | 70.5  | 82.5  |
| 1931.....                      | 62.9  | 70.5  | 72.5  | 74.0  | 75.0  | 67.0  | 61.5  | 64.5  | 52.5  | 49.0  | 46.5  | 49.5  | 60.5  |
| 1932.....                      | 55.5  | 45.5  | 44.0  | 36.0  | 37.5  | 37.0  | 42.5  | 28.0  | 30.0  | 31.0  | 28.0  | 28.5  | 34.0  |
| 1933.....                      | 43.3  | 41.0  | 38.0  | 30.5  | 30.5  | 42.5  | 49.0  | 52.5  | 52.0  | 52.0  | 53.5  | 53.0  | 30.5  |
| 1934.....                      | 37.0  | 33.5  | 34.5  | 64.5  | 59.0  | 55.5  | 63.5  | 67.0  | 56.0  | 53.0  | 59.0  | 63.0  | 49.0  |
| 1935.....                      | 53.8  | 75.0  | 68.5  | 94.5  | 78.5  | 70.0  | 78.5  | 81.0  | 75.0  | 79.0  | 82.0  | 118.5 | 106.5 |
| 1936.....                      | ---   | 102.0 | 89.5  | 101.0 | 93.5  | 93.5  | 109.5 | 104.3 | ---   | ---   | ---   | ---   | ---   |
| <b>VARIETY STORE SALES</b>     |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1929.....                      | 107.1 | 100.2 | 103.2 | 105.3 | 102.3 | 108.5 | 106.3 | 107.9 | 109.5 | 107.4 | 109.9 | 109.5 | 111.3 |
| 1930.....                      | 99.0  | 98.7  | 100.9 | 102.8 | 99.1  | 97.7  | 97.0  | 97.9  | 97.6  | 96.9  | 100.6 | 98.4  | 100.4 |
| 1931.....                      | 93.8  | 94.3  | 94.4  | 96.1  | 97.5  | 97.0  | 95.8  | 98.2  | 91.1  | 92.3  | 91.4  | 91.8  | 90.3  |
| 1932.....                      | 80.8  | 88.8  | 86.9  | 84.4  | 83.5  | 82.9  | 81.5  | 78.9  | 77.7  | 81.7  | 80.1  | 80.6  | 71.9  |
| 1933.....                      | 82.5  | 82.3  | 78.5  | 76.2  | 77.5  | 78.1  | 83.2  | 83.6  | 86.7  | 86.4  | 85.6  | 85.5  | 83.3  |
| 1934.....                      | 90.4  | 94.2  | 87.5  | 94.8  | 87.2  | 90.0  | 90.8  | 89.5  | 90.3  | 89.5  | 90.0  | 91.5  | 88.9  |
| 1935.....                      | 91.5  | 80.2  | 90.8  | 93.0  | 90.6  | 88.0  | 90.7  | 92.1  | 89.6  | 91.8  | 92.0  | 93.7  | 96.7  |
| 1936.....                      | ---   | 90.8  | 88.0  | 93.3  | 95.2  | 96.8  | 104.0 | 109.2 | ---   | ---   | ---   | ---   | ---   |
| <b>GENERAL RETAIL SALES</b>    |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1929.....                      | 124.9 | 109.9 | 117.8 | 138.8 | 120.0 | 116.5 | 127.4 | 126.0 | 129.0 | 134.4 | 126.6 | 124.7 | 125.1 |
| 1930.....                      | 97.8  | 107.5 | 108.4 | 107.1 | 107.7 | 105.3 | 101.0 | 94.9  | 95.9  | 93.2  | 90.4  | 87.3  | 86.5  |
| 1931.....                      | 77.4  | 85.1  | 84.2  | 85.1  | 86.6  | 85.8  | 84.0  | 82.8  | 76.5  | 70.0  | 65.8  | 67.7  | 68.3  |
| 1932.....                      | 63.1  | 69.3  | 67.2  | 65.6  | 67.2  | 64.5  | 64.3  | 60.7  | 58.5  | 61.8  | 63.2  | 69.8  | 58.7  |
| 1933.....                      | 69.2  | 56.8  | 56.1  | 47.5  | 61.5  | 64.8  | 65.7  | 71.3  | 75.2  | 73.9  | 79.9  | 85.4  | 77.7  |
| 1934.....                      | 83.7  | 79.5  | 80.7  | 79.6  | 73.8  | 79.7  | 72.3  | 75.5  | 79.2  | 98.8  | 89.1  | 89.8  | 94.5  |
| 1935.....                      | 99.4  | 87.5  | 90.6  | 97.4  | 101.0 | 93.1  | 98.7  | 97.0  | 92.8  | 104.8 | 103.4 | 103.7 | 109.8 |
| 1936.....                      | ---   | 96.3  | 93.0  | 106.7 | 109.9 | 113.3 | 112.4 | 114.7 | ---   | ---   | ---   | ---   | ---   |

Sources: Table 818, the Chain Store Age; table 819, Bureau of Foreign and Domestic Commerce.

# No. 820.—INDEXES OF DOLLAR VALUES OF RETAIL SALES OF GENERAL MERCHANDISE IN SMALL TOWNS AND RURAL AREAS: By Regions

NOTE.—1929-1931=100. Comparable indexes for the United States as a whole and a brief description of the indexes are given in table 819. The States and geographic divisions, as shown in other tables (for example, table 815) included in the regions here shown are as follows: East—New England and Middle Atlantic divisions, Delaware, Maryland, Virginia, and West Virginia; South—East South Central division, North Carolina, South Carolina, Georgia, Florida, Arkansas, Louisiana, and Texas; Middle West—East North Central and West North Central divisions, Oklahoma, Montana, Wyoming, Colorado, and New Mexico; Far West—Pacific division, Idaho, Arizona, Utah, and Nevada.

| Year and month | East  | South | Middle West | Far West | Year and month | East  | South | Middle West | Far West |
|----------------|-------|-------|-------------|----------|----------------|-------|-------|-------------|----------|
| 1929.....      | 117.8 | 129.0 | 129.1       | 116.6    | 1935.....      |       |       |             |          |
| 1930.....      | 101.9 | 96.1  | 95.5        | 99.4     | January.....   | 84.5  | 101.9 | 85.6        | 95.4     |
| 1931.....      | 80.3  | 74.9  | 75.5        | 84.0     | February.....  | 88.8  | 108.5 | 83.1        | 95.3     |
| 1932.....      | 64.5  | 63.9  | 61.3        | 67.0     | March.....     | 93.9  | 116.7 | 95.5        | 97.9     |
| 1933.....      | 66.9  | 79.4  | 65.7        | 73.1     | April.....     | 93.2  | 118.2 | 95.6        | 100.4    |
| 1934.....      | 90.4  | 95.9  | 79.6        | 90.1     | May.....       | 86.5  | 106.8 | 88.2        | 101.2    |
| 1935.....      | 95.8  | 116.4 | 93.8        | 105.1    | June.....      | 95.2  | 116.5 | 94.0        | 103.8    |
| 1934.....      |       |       |             |          | July.....      | 91.4  | 112.7 | 91.5        | 104.0    |
| January.....   | 77.9  | 91.4  | 77.1        | 83.3     | August.....    | 87.5  | 109.8 | 86.0        | 102.7    |
| February.....  | 78.3  | 92.6  | 78.4        | 92.6     | September..... | 103.9 | 122.0 | 94.7        | 103.7    |
| March.....     | 80.0  | 87.4  | 78.6        | 87.0     | October.....   | 101.0 | 120.5 | 98.8        | 114.9    |
| April.....     | 70.8  | 81.6  | 68.0        | 82.9     | November.....  | 104.2 | 118.4 | 97.8        | 112.1    |
| May.....       | 76.7  | 86.1  | 76.1        | 86.0     | December.....  | 111.3 | 120.2 | 101.2       | 113.4    |
| June.....      | 69.1  | 80.7  | 67.2        | 83.1     | 1936.....      |       |       |             |          |
| July.....      | 73.2  | 92.6  | 71.3        | 84.1     | January.....   | 93.9  | 120.2 | 89.6        | 111.3    |
| August.....    | 71.4  | 87.4  | 75.9        | 89.0     | February.....  | 94.7  | 111.4 | 87.0        | 106.8    |
| September..... | 85.3  | 111.8 | 94.7        | 93.3     | March.....     | 107.2 | 127.4 | 103.1       | 114.4    |
| October.....   | 86.5  | 105.4 | 82.1        | 96.2     | April.....     | 109.7 | 127.2 | 100.7       | 119.6    |
| November.....  | 90.7  | 108.0 | 85.0        | 88.8     | May.....       | 110.7 | 127.6 | 105.4       | 125.4    |
| December.....  | 91.1  | 107.8 | 90.3        | 96.7     | June.....      | 107.8 | 132.5 | 102.6       | 129.8    |

Source: Bureau of Foreign and Domestic Commerce.

# No. 821.—INDEXES OF VALUES OF SALES BY DEPARTMENT STORES: BY FEDERAL RESERVE DISTRICTS AND BY MONTHS

NOTE.—1923-1925 average=100. Compiled from reports of about 380 to 560 firms. Indexes have been adjusted for variations in number of firms reporting and monthly indexes for the varying number of business days in the different months and the effect of changes in the date of Easter.

| Year      | United States | Boston <sup>1</sup> | New York | Philadelphia | Cleveland | Richmond | Atlanta | Chicago | St. Louis <sup>1</sup> | Minneapolis | Kansas City <sup>1</sup> | Dallas | San Francisco |
|-----------|---------------|---------------------|----------|--------------|-----------|----------|---------|---------|------------------------|-------------|--------------------------|--------|---------------|
| 1919..... | 78            | 78                  | 76       | 77           | 84        | 94       | 94      | 90      | 98                     | 98          | 87                       |        |               |
| 1920..... | 94            | 91                  | 91       | 98           | 93        | 113      | 105     | 105     | 118                    | 81          |                          |        |               |
| 1921..... | 87            | 89                  | 87       | 87           | 89        | 90       | 90      | 100     | 98                     | 77          |                          |        |               |
| 1922..... | 88            | 92                  | 90       | 87           | 86        | 91       | 89      | 98      | 91                     | 82          |                          |        |               |
| 1923..... | 98            | 98                  | 96       | 101          | 101       | 97       | 101     | 99      | 97                     | 96          |                          |        |               |
| 1924..... | 99            | 100                 | 99       | 99           | 99        | 98       | 98      | 98      | 99                     | 99          |                          |        |               |
| 1925..... | 103           | 102                 | 105      | 100          | 101       | 104      | 102     | 103     | 103                    | 104         |                          |        |               |
| 1926..... | 106           | 105                 | 109      | 103          | 102       | 107      | 106     | 108     | 105                    | 101         |                          |        |               |
| 1927..... | 107           | 106                 | 111      | 99           | 103       | 105      | 107     | 110     | 103                    | 101         |                          |        |               |
| 1928..... | 108           | 104                 | 113      | 94           | 109       | 106      | 107     | 115     | 104                    | 98          |                          |        |               |
| 1929..... | 111           | 106                 | 117      | 95           | 105       | 110      | 104     | 117     | 105                    | 99          |                          |        |               |
| 1930..... | 102           | 100                 | 114      | 87           | 94        | 108      | 95      | 102     | 94                     | 94          |                          |        |               |
| 1931..... | 92            | 91                  | 105      | 77           | 82        | 100      | 87      | 87      | 82                     | 87          |                          |        |               |
| 1932..... | 69            | 71                  | 83       | 60           | 60        | 81       | 70      | 65      | 63                     | 69          |                          |        |               |
| 1933..... | 67            | 65                  | 78       | 58           | 62        | 77       | 68      | 64      | 60                     | 65          |                          |        |               |
| 1934..... | 75            | 69                  | 82       | 63           | 70        | 90       | 83      | 74      | 69                     | 72          |                          |        |               |
| 1935..... | 79            | 69                  | 83       | 65           | 75        | 97       | 88      | 79      | 77                     | 73          |                          |        |               |

| Year                                 | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|--------------------------------------|------|------|------|------|-----|------|------|------|-------|------|------|------|
| United States—Unadjusted:            |      |      |      |      |     |      |      |      |       |      |      |      |
| 1933.....                            | 49   | 49   | 50   | 68   | 67  | 64   | 48   | 59   | 73    | 77   | 75   | 121  |
| 1934.....                            | 57   | 59   | 73   | 73   | 77  | 70   | 51   | 60   | 79    | 82   | 83   | 136  |
| 1935.....                            | 59   | 61   | 71   | 79   | 76  | 76   | 55   | 61   | 86    | 86   | 91   | 145  |
| 1936.....                            | 63   | 66   | 77   | 85   | 89  | 84   |      |      |       |      |      |      |
| United States—Adjusted: <sup>3</sup> |      |      |      |      |     |      |      |      |       |      |      |      |
| 1933.....                            | 62   | 62   | 58   | 64   | 66  | 67   | 69   | 74   | 68    | 70   | 67   | 69   |
| 1934.....                            | 73   | 73   | 76   | 76   | 75  | 73   | 73   | 76   | 74    | 74   | 75   | 77   |
| 1935.....                            | 76   | 77   | 79   | 75   | 74  | 79   | 80   | 77   | 81    | 78   | 82   | 83   |
| 1936.....                            | 81   | 83   | 84   | 84   | 87  | 87   |      |      |       |      |      |      |

<sup>1</sup> Beginning December 1930 computed by the Bureau of Foreign and Domestic Commerce based on percentage changes in sales as reported by the Federal Reserve Board.

<sup>2</sup> Monthly average sales in 1925=100.

<sup>3</sup> Adjusted for seasonal variations.

Sources: United States and Boston, Richmond, St. Louis, and Kansas City, except as noted, Federal Reserve Board, other districts, the respective Federal Reserve banks. Indexes for Minneapolis and New York published on a 1929 and 1925-27 base, respectively; computed to a 1923-25 base by Bureau of Foreign and Domestic Commerce.

# No. 822.—SERVICE ESTABLISHMENTS, PLACES OF AMUSEMENT AND HOTELS: By STATES, 1933

[All money figures in thousands of dollars]

| Division and State             | Number of establishments | Receipts       | Number of proprietors | Employees (average) |               | Pay roll       |                |               | Total operating expenses (including pay roll) <sup>1</sup> |
|--------------------------------|--------------------------|----------------|-----------------------|---------------------|---------------|----------------|----------------|---------------|------------------------------------------------------------|
|                                |                          |                |                       | Full-time           | Part-time     | Total          | Full-time      | Part-time     |                                                            |
| United States.....             | 502,416                  | 2,760,881      | 546,444               | 557,481             | 202,519       | 701,594        | 619,785        | 81,809        | 2,043,181                                                  |
| <b>New England.....</b>        | <b>36,789</b>            | <b>199,962</b> | <b>38,664</b>         | <b>46,668</b>       | <b>14,170</b> | <b>53,006</b>  | <b>48,483</b>  | <b>6,522</b>  | <b>151,726</b>                                             |
| Connecticut.....               | 6,755                    | 37,130         | 7,053                 | 8,056               | 2,739         | 9,228          | 8,010          | 1,218         | 23,330                                                     |
| Maine.....                     | 3,613                    | 13,576         | 4,008                 | 3,517               | 1,185         | 2,975          | 2,488          | 487           | 9,280                                                      |
| Massachusetts.....             | 19,720                   | 118,516        | 20,342                | 27,092              | 7,972         | 33,289         | 29,398         | 3,891         | 91,584                                                     |
| New Hampshire.....             | 2,090                    | 9,259          | 2,305                 | 1,971               | 690           | 2,100          | 1,874          | 226           | 6,348                                                      |
| Rhode Island.....              | 2,841                    | 15,216         | 3,030                 | 3,312               | 1,114         | 4,007          | 3,487          | 520           | 11,887                                                     |
| Vermont.....                   | 1,750                    | 6,266          | 1,916                 | 1,720               | 470           | 1,406          | 1,226          | 180           | 4,296                                                      |
| <b>Middle Atlantic.....</b>    | <b>122,350</b>           | <b>901,622</b> | <b>130,976</b>        | <b>168,702</b>      | <b>47,973</b> | <b>217,090</b> | <b>194,848</b> | <b>22,242</b> | <b>658,866</b>                                             |
| New Jersey.....                | 20,012                   | 103,681        | 21,631                | 20,854              | 7,183         | 24,624         | 21,305         | 3,319         | 80,324                                                     |
| New York.....                  | 66,196                   | 626,893        | 70,784                | 108,995             | 27,281        | 150,206        | 136,998        | 13,208        | 447,516                                                    |
| Pennsylvania.....              | 36,142                   | 171,048        | 38,561                | 38,553              | 13,509        | 42,200         | 30,545         | 5,715         | 130,526                                                    |
| <b>East North Central.....</b> | <b>108,243</b>           | <b>589,888</b> | <b>117,266</b>        | <b>139,333</b>      | <b>46,984</b> | <b>152,545</b> | <b>134,215</b> | <b>18,330</b> | <b>432,751</b>                                             |
| Illinois.....                  | 34,173                   | 252,988        | 36,391                | 53,024              | 18,568        | 66,229         | 58,714         | 7,515         | 180,829                                                    |
| Indiana.....                   | 13,029                   | 47,650         | 14,617                | 12,706              | 4,276         | 11,268         | 9,815          | 1,443         | 34,040                                                     |
| Michigan.....                  | 18,580                   | 93,933         | 20,183                | 24,334              | 7,886         | 24,149         | 21,429         | 2,720         | 70,439                                                     |
| Ohio.....                      | 29,925                   | 143,248        | 32,364                | 37,325              | 11,292        | 38,840         | 34,082         | 4,758         | 109,590                                                    |
| Wisconsin.....                 | 12,536                   | 52,184         | 13,746                | 11,996              | 5,442         | 12,069         | 10,175         | 1,894         | 37,393                                                     |
| <b>West North Central.....</b> | <b>61,346</b>            | <b>246,316</b> | <b>67,507</b>         | <b>64,436</b>       | <b>19,413</b> | <b>60,061</b>  | <b>52,984</b>  | <b>7,077</b>  | <b>176,306</b>                                             |
| Iowa.....                      | 11,566                   | 40,899         | 12,769                | 9,686               | 3,506         | 5,509          | 7,364          | 1,155         | 28,334                                                     |
| Kansas.....                    | 8,617                    | 26,830         | 9,641                 | 7,234               | 2,612         | 5,473          | 4,727          | 746           | 17,787                                                     |
| Minnesota.....                 | 11,037                   | 53,213         | 12,109                | 13,337              | 3,808         | 13,071         | 11,614         | 1,457         | 39,223                                                     |
| Missouri.....                  | 17,091                   | 86,037         | 18,632                | 24,361              | 5,962         | 24,587         | 22,000         | 2,587         | 65,506                                                     |
| Nebraska.....                  | 7,649                    | 24,907         | 8,480                 | 6,065               | 2,317         | 5,408          | 4,681          | 775           | 18,067                                                     |
| North Dakota.....              | 2,008                    | 7,666          | 2,638                 | 1,887               | 633           | 1,444          | 1,286          | 158           | 4,979                                                      |
| South Dakota.....              | 2,783                    | 7,765          | 3,038                 | 1,806               | 720           | 1,571          | 1,366          | 205           | 5,419                                                      |
| <b>South Atlantic.....</b>     | <b>44,989</b>            | <b>223,878</b> | <b>49,051</b>         | <b>72,084</b>       | <b>19,449</b> | <b>59,713</b>  | <b>53,406</b>  | <b>6,307</b>  | <b>188,876</b>                                             |
| Delaware.....                  | 961                      | 4,710          | 1,005                 | 1,092               | 406           | 1,098          | 927            | 171           | 3,362                                                      |
| Dist. of Col.....              | 2,413                    | 31,845         | 2,450                 | 8,540               | 1,095         | 8,603          | 8,174          | 429           | 24,710                                                     |
| Florida.....                   | 6,380                    | 26,950         | 6,933                 | 10,716              | 2,279         | 8,488          | 7,664          | 824           | 25,611                                                     |
| Georgia.....                   | 6,359                    | 26,950         | 7,190                 | 10,739              | 2,279         | 7,221          | 6,617          | 604           | 24,783                                                     |
| Maryland.....                  | 6,325                    | 37,161         | 7,188                 | 9,866               | 2,568         | 9,829          | 8,599          | 1,300         | 27,709                                                     |
| North Carolina.....            | 6,227                    | 26,840         | 7,048                 | 9,668               | 2,593         | 7,107          | 6,416          | 691           | 19,935                                                     |
| South Carolina.....            | 3,654                    | 14,235         | 4,178                 | 5,207               | 2,736         | 3,874          | 3,240          | 634           | 9,917                                                      |
| Virginia.....                  | 7,405                    | 33,263         | 7,994                 | 10,978              | 3,807         | 9,159          | 7,955          | 1,204         | 25,352                                                     |
| West Virginia.....             | 4,645                    | 17,597         | 6,097                 | 5,179               | 1,401         | 4,334          | 3,884          | 450           | 12,897                                                     |
| <b>East South Central.....</b> | <b>23,849</b>            | <b>62,990</b>  | <b>26,406</b>         | <b>30,214</b>       | <b>7,991</b>  | <b>21,847</b>  | <b>19,285</b>  | <b>2,562</b>  | <b>61,879</b>                                              |
| Alabama.....                   | 5,326                    | 17,556         | 5,893                 | 7,477               | 2,253         | 5,252          | 4,517          | 735           | 13,232                                                     |
| Kentucky.....                  | 8,031                    | 28,471         | 8,922                 | 8,497               | 2,398         | 6,817          | 5,996          | 821           | 20,874                                                     |
| Mississippi.....               | 3,771                    | 9,143          | 4,151                 | 3,933               | 1,063         | 2,350          | 2,101          | 249           | 7,056                                                      |
| Tennessee.....                 | 6,721                    | 27,820         | 7,440                 | 10,307              | 2,377         | 7,428          | 6,671          | 757           | 20,717                                                     |
| <b>West South Central.....</b> | <b>39,582</b>            | <b>156,325</b> | <b>44,347</b>         | <b>53,154</b>       | <b>14,799</b> | <b>41,873</b>  | <b>37,591</b>  | <b>4,281</b>  | <b>118,338</b>                                             |
| Arkansas.....                  | 4,245                    | 12,076         | 4,851                 | 4,678               | 1,093         | 2,868          | 2,592          | 276           | 8,728                                                      |
| Louisiana.....                 | 5,653                    | 25,617         | 6,096                 | 9,131               | 2,449         | 7,802          | 6,825          | 977           | 21,333                                                     |
| Oklahoma.....                  | 8,574                    | 25,419         | 9,706                 | 9,431               | 2,212         | 7,258          | 6,615          | 643           | 20,948                                                     |
| Texas.....                     | 21,110                   | 90,213         | 23,694                | 30,014              | 9,045         | 23,944         | 21,559         | 2,385         | 67,329                                                     |
| <b>Mountain.....</b>           | <b>18,360</b>            | <b>68,693</b>  | <b>18,369</b>         | <b>18,116</b>       | <b>5,638</b>  | <b>18,945</b>  | <b>14,906</b>  | <b>2,039</b>  | <b>51,338</b>                                              |
| Arizona.....                   | 1,546                    | 7,972          | 1,694                 | 2,285               | 499           | 2,066          | 1,838          | 228           | 5,922                                                      |
| Colorado.....                  | 5,528                    | 22,579         | 6,180                 | 8,461               | 1,735         | 6,063          | 5,375          | 678           | 17,145                                                     |
| Idaho.....                     | 1,873                    | 6,085          | 2,119                 | 1,472               | 691           | 1,469          | 1,240          | 229           | 4,876                                                      |
| Montana.....                   | 2,460                    | 9,807          | 2,770                 | 2,070               | 882           | 2,098          | 1,774          | 324           | 5,754                                                      |
| Nevada.....                    | 541                      | 3,148          | 580                   | 602                 | 236           | 694            | 593            | 101           | 2,327                                                      |
| New Mexico.....                | 1,258                    | 4,815          | 1,435                 | 1,709               | 444           | 1,211          | 1,099          | 112           | 3,486                                                      |
| Utah.....                      | 1,974                    | 8,116          | 2,240                 | 2,300               | 757           | 2,189          | 1,915          | 274           | 6,374                                                      |
| Wyoming.....                   | 1,180                    | 5,171          | 1,351                 | 1,208               | 414           | 1,165          | 1,022          | 143           | 3,752                                                      |
| <b>Pacific.....</b>            | <b>48,928</b>            | <b>291,199</b> | <b>53,868</b>         | <b>65,735</b>       | <b>26,101</b> | <b>78,516</b>  | <b>66,067</b>  | <b>12,449</b> | <b>220,556</b>                                             |
| California.....                | 35,865                   | 227,065        | 39,826                | 60,084              | 18,818        | 61,290         | 52,144         | 9,146         | 170,775                                                    |
| Oregon.....                    | 4,865                    | 22,546         | 5,492                 | 5,370               | 2,427         | 6,013          | 4,729          | 1,284         | 15,902                                                     |
| Washington.....                | 8,198                    | 41,588         | 8,750                 | 10,271              | 4,856         | 11,213         | 8,194          | 2,019         | 32,879                                                     |

<sup>1</sup> Does not include compensation of proprietors.

Source: Bureau of the Census, Department of Commerce.

# No. 823.—SERVICE ESTABLISHMENTS, PLACES OF AMUSEMENT, AND HOTELS: BY KIND OF BUSINESS, 1933

[All money figures in thousands of dollars. Pay roll does not include compensation of proprietors]

| Kind of business                                                               | Number of establishments | Receipts  | Number of proprietors | Employees (average) |           | Pay roll |           |           | Total operating expenses (incl. payroll) |
|--------------------------------------------------------------------------------|--------------------------|-----------|-----------------------|---------------------|-----------|----------|-----------|-----------|------------------------------------------|
|                                                                                |                          |           |                       | Full-time           | Part-time | Total    | Full-time | Part-time |                                          |
| United States total.....                                                       | 502,418                  | 2,760,881 | 546,444               | 657,481             | 202,519   | 701,584  | 618,786   | 81,809    | 2,043,131                                |
| Service establishments, total.....                                             | 443,217                  | 1,725,114 | 482,463               | 566,180             | 149,825   | 437,917  | 375,458   | 64,460    | 1,065,456                                |
| Personal service:                                                              |                          |           |                       |                     |           |          |           |           |                                          |
| Barber shops.....                                                              | 117,832                  | 204,387   | 128,709               | 71,347              | 18,123    | 58,507   | 52,070    | 6,437     | 122,186                                  |
| Beauty parlors.....                                                            | 42,078                   | 116,795   | 46,807                | 42,733              | 8,955     | 38,974   | 35,618    | 3,356     | 83,518                                   |
| Cleaning, dyeing, pressing, alteration, and repair shops; and valet shops..... | 55,459                   | 135,611   | 59,965                | 28,274              | 12,086    | 26,271   | 21,244    | 5,027     | 82,957                                   |
| Costume rental agencies.....                                                   | 295                      | 2,199     | 298                   | 488                 | 151       | 736      | 646       | 90        | 1,611                                    |
| Funeral directors and embalmers.....                                           | 12,655                   | 172,438   | 15,571                | 16,414              | 9,280     | 27,071   | 23,746    | 3,325     | 86,220                                   |
| Fur repair and storage shops.....                                              | 1,310                    | 5,065     | 1,436                 | 732                 | 376       | 1,070    | 814       | 256       | 2,703                                    |
| Laundries, hand <sup>1</sup> .....                                             | 13,691                   | 35,645    | 16,262                | 7,611               | 3,933     | 5,789    | 5,819     | 1,467     | 21,638                                   |
| Photographic studios.....                                                      | 8,380                    | 81,873    | 8,925                 | 5,881               | 1,945     | 7,213    | 6,375     | 838       | 19,627                                   |
| Shoe repair shops.....                                                         | 50,425                   | 87,153    | 52,781                | 12,876              | 4,739     | 11,831   | 10,247    | 1,584     | 42,108                                   |
| Shoe shine parlors <sup>1</sup> .....                                          | 7,027                    | 10,032    | 7,722                 | 2,826               | 1,508     | 2,014    | 1,665     | 349       | 6,042                                    |
| Other personal services.....                                                   | 2,819                    | 10,215    | 2,022                 | 3,027               | 858       | 2,799    | 2,529     | 270       | 7,410                                    |
| Business service:                                                              |                          |           |                       |                     |           |          |           |           |                                          |
| Adjustment and credit bureaus, and collection agencies.....                    | 1,824                    | 35,159    | 1,225                 | 11,936              | 931       | 15,341   | 14,897    | 444       | 26,310                                   |
| Advertising agencies, and billboard advertising agencies.....                  | 1,479                    | 189,867   | 1,101                 | 11,642              | 2,767     | 29,792   | 28,253    | 1,539     | 61,533                                   |
| Blueprinting and photostat laboratories.....                                   | 253                      | 3,875     | 236                   | 1,041               | 65        | 1,185    | 1,148     | 37        | 2,510                                    |
| Cartage and trucking establishments.....                                       | 23,102                   | 174,875   | 25,196                | 39,291              | 20,478    | 57,801   | 46,451    | 10,350    | 144,427                                  |
| Delivery service.....                                                          | 577                      | 8,550     | 583                   | 2,960               | 2,006     | 4,130    | 3,800     | 330       | 7,009                                    |
| Dental laboratories.....                                                       | 947                      | 8,983     | 1,026                 | 2,378               | 287       | 3,075    | 2,881     | 194       | 5,198                                    |
| Duplicating, addressing, mailing, and mailing-list service.....                | 672                      | 5,736     | 675                   | 1,758               | 878       | 2,258    | 1,880     | 378       | 4,185                                    |
| Linen supply service.....                                                      | 461                      | 17,718    | 316                   | 5,374               | 253       | 5,784    | 5,553     | 131       | 14,619                                   |
| Photo finishing laboratories.....                                              | 780                      | 5,493     | 880                   | 1,968               | 295       | 1,522    | 1,398     | 124       | 3,236                                    |
| Sign painting shops.....                                                       | 3,007                    | 9,438     | 3,449                 | 1,550               | 1,129     | 2,461    | 1,778     | 683       | 5,192                                    |
| Storage warehouses.....                                                        | 2,517                    | 72,065    | 1,998                 | 10,543              | 7,594     | 24,415   | 21,235    | 3,180     | 62,187                                   |
| Other business services.....                                                   | 2,302                    | 127,368   | 1,706                 | 20,248              | 26,158    | 45,262   | 34,881    | 10,381    | 104,730                                  |
| Mechanical repair service:                                                     |                          |           |                       |                     |           |          |           |           |                                          |
| Automobile brake repair, relining, and adjustment shops.....                   | 241                      | 1,940     | 235                   | 400                 | 55        | 590      | 503       | 27        | 1,095                                    |
| Automobile paint shops.....                                                    | 1,694                    | 5,734     | 2,009                 | 1,211               | 773       | 1,624    | 1,221     | 403       | 3,265                                    |
| Automobile radiator shops.....                                                 | 1,157                    | 3,539     | 1,306                 | 602                 | 244       | 784      | 622       | 162       | 1,598                                    |
| Automobile top and body repair shops.....                                      | 3,689                    | 17,778    | 4,276                 | 4,046               | 1,875     | 5,381    | 4,284     | 1,097     | 10,095                                   |
| Blacksmith shops.....                                                          | 20,257                   | 21,563    | 22,068                | 2,982               | 1,791     | 2,581    | 1,903     | 678       | 8,297                                    |
| Cabinetmaker and carpenter repair shops.....                                   | 2,063                    | 3,654     | 2,323                 | 358                 | 528       | 957      | 869       | 298       | 1,726                                    |
| Electric repair shops.....                                                     | 2,931                    | 11,169    | 2,691                 | 2,903               | 1,073     | 3,485    | 2,830     | 655       | 6,222                                    |
| Elevator service (repair).....                                                 | 141                      | 1,546     | 145                   | 318                 | 211       | 444      | 255       | 199       | 908                                      |
| Harness, leather, and shoe repair shops.....                                   | 2,490                    | 2,880     | 2,629                 | 217                 | 122       | 136      | 146       | 37        | 928                                      |
| Locksmith and gunsmith shops.....                                              | 1,937                    | 3,272     | 2,089                 | 455                 | 153       | 506      | 429       | 77        | 1,608                                    |
| Mattress renovating and repair shops.....                                      | 482                      | 1,284     | 589                   | 265                 | 157       | 263      | 200       | 63        | 656                                      |
| Plumbing and heating repair shops.....                                         | 6,808                    | 27,217    | 7,419                 | 3,447               | 4,681     | 6,289    | 3,556     | 2,738     | 12,265                                   |
| Radio repair shops <sup>2</sup> .....                                          | 4,501                    | 6,145     | 5,078                 | 680                 | 395       | 689      | 543       | 146       | 2,904                                    |
| Saw and tool sharpening service.....                                           | 778                      | 1,715     | 857                   | 294                 | 80        | 347      | 303       | 44        | 950                                      |
| Tinsmith, sheet metal, and roofing repair shops.....                           | 3,151                    | 11,959    | 3,599                 | 1,522               | 2,076     | 2,901    | 1,693     | 1,205     | 5,558                                    |
| Tire repair shops.....                                                         | 578                      | 1,174     | 637                   | 168                 | 54        | 164      | 139       | 25        | 486                                      |
| Typewriter repair shops.....                                                   | 258                      | 746       | 291                   | 142                 | 40        | 188      | 171       | 17        | 384                                      |
| Upholstery and furniture repair shops.....                                     | 4,758                    | 10,950    | 5,414                 | 1,401               | 1,222     | 1,983    | 1,826     | 657       | 5,461                                    |
| Watch, clock, and jewelry repair shops.....                                    | 9,678                    | 14,707    | 10,188                | 1,302               | 562       | 1,597    | 1,115     | 282       | 6,161                                    |
| Welding shops.....                                                             | 2,545                    | 10,478    | 2,964                 | 1,696               | 780       | 2,597    | 2,145     | 453       | 9,920                                    |
| Other mechanical repair services.....                                          | 5,962                    | 17,809    | 6,755                 | 3,007               | 1,899     | 4,364    | 3,867     | 1,007     | 9,781                                    |
| Miscellaneous service:                                                         |                          |           |                       |                     |           |          |           |           |                                          |
| Automobile laundries.....                                                      | 733                      | 2,061     | 821                   | 773                 | 581       | 968      | 494       | 194       | 1,545                                    |
| Automobile rental service.....                                                 | 381                      | 5,420     | 274                   | 1,214               | 216       | 1,638    | 1,462     | 131       | 6,016                                    |
| Disinfectant and exterminating service.....                                    | 321                      | 3,147     | 314                   | 815                 | 319       | 1,282    | 1,147     | 145       | 2,329                                    |
| Employment agencies.....                                                       | 783                      | 3,274     | 825                   | 1,028               | 131       | 1,197    | 1,137     | 60        | 2,723                                    |
| Garages (storage).....                                                         | 2,123                    | 14,197    | 2,173                 | 3,619               | 618       | 3,806    | 3,568     | 238       | 11,470                                   |
| Hemstitching, embroidery, and buttonholing shops.....                          | 985                      | 1,620     | 1,090                 | 405                 | 206       | 397      | 317       | 80        | 1,020                                    |
| Parking lots.....                                                              | 3,152                    | 12,827    | 2,915                 | 3,123               | 870       | 3,743    | 3,476     | 267       | 11,287                                   |
| Tourist camps, and tourist camps with filling stations.....                    | 5,846                    | 8,483     | 7,921                 | 1,705               | 785       | 1,157    | 951       | 206       | 5,292                                    |
| Window cleaning service.....                                                   | 887                      | 5,108     | 419                   | 2,576               | 762       | 3,109    | 2,689     | 440       | 4,116                                    |
| Other miscellaneous services.....                                              | 3,863                    | 21,163    | 4,310                 | 5,755               | 1,931     | 7,846    | 6,299     | 1,053     | 17,060                                   |

<sup>1</sup> Not including commercial laundries.

<sup>2</sup> Including hat cleaning.

<sup>3</sup> Not including dealers in radios.

# No. 823.—SERVICE ESTABLISHMENTS, PLACES OF AMUSEMENTS, AND HOTELS: BY KIND OF BUSINESS, 1933—Continued.

[All money figures in thousands of dollars]

| Kind of business                                   | Number of establishments | Receipts | Number of proprietors | Employees (average) |           | Pay roll |           |           | Total operating expenses (including pay roll) |
|----------------------------------------------------|--------------------------|----------|-----------------------|---------------------|-----------|----------|-----------|-----------|-----------------------------------------------|
|                                                    |                          |          |                       | Full-time           | Part-time | Total    | Full-time | Part-time |                                               |
| <b>Amusements, total</b> .....                     | 29,737                   | 520,218  | 30,297                | 87,372              | 30,787    | 117,397  | 106,668   | 10,829    | 489,878                                       |
| Billiard and pool parlors, and bowling alleys..... | 11,438                   | 31,710   | 13,040                | 9,016               | 7,076     | 7,482    | 5,716     | 1,766     | 21,178                                        |
| Dance halls.....                                   | 2,933                    | 10,248   | 3,412                 | 2,884               | 5,384     | 3,856    | 2,341     | 1,515     | 9,089                                         |
| Skating rinks.....                                 | 264                      | 1,006    | 327                   | 246                 | 176       | 299      | 222       | 77        | 968                                           |
| Theaters.....                                      | 10,265                   | 415,153  | 8,284                 | 63,136              | 12,857    | 85,422   | 80,519    | 4,903     | 408,874                                       |
| Legitimate stage and opera.....                    | 122                      | 8,611    | 69                    | 1,182               | 448       | 3,666    | 3,457     | 209       | 6,496                                         |
| Motion picture.....                                | 9,499                    | 356,316  | 8,024                 | 54,030              | 11,698    | 71,451   | 67,009    | 4,442     | 352,152                                       |
| Motion picture and vaudeville.....                 | 644                      | 50,228   | 191                   | 7,924               | 711       | 10,305   | 10,053    | 252       | 50,226                                        |
| Other amusements.....                              | 4,837                    | 62,102   | 5,234                 | 12,990              | 5,294     | 20,338   | 17,770    | 2,568     | 49,919                                        |
| <b>Hotels, total</b> .....                         | 29,462                   | 515,649  | 33,684                | 213,919             | 2,908     | 148,220  | 139,759   | 6,521     | 437,703                                       |
| Year-round.....                                    | 27,128                   | 498,241  | 30,712                | 205,870             | 20,955    | 140,973  | 134,740   | 6,227     | 438,896                                       |
| American plan.....                                 | 4,644                    | 84,474   | 5,017                 | 14,873              | 1,986     | 9,240    | 8,700     | 540       | 28,023                                        |
| European plan.....                                 | 18,936                   | 402,102  | 20,695                | 107,336             | 15,849    | 116,292  | 111,429   | 4,863     | 300,233                                       |
| Mixed plan (American and European).....            | 4,148                    | 56,665   | 5,100                 | 23,652              | 3,170     | 15,441   | 14,017    | 824       | 49,240                                        |
| Seasonal.....                                      | 2,834                    | 22,308   | 2,972                 | 8,349               | 953       | 5,307    | 5,013     | 294       | 19,307                                        |
| American plan.....                                 | 1,293                    | 12,509   | 1,693                 | 4,856               | 550       | 3,075    | 2,909     | 166       | 10,773                                        |
| European plan.....                                 | 604                      | 4,302    | 718                   | 1,428               | 142       | 933      | 883       | 50        | 3,476                                         |
| Mixed plan (American and European).....            | 497                      | 5,497    | 591                   | 2,065               | 261       | 1,299    | 1,221     | 78        | 5,058                                         |

# No. 824.—POWER LAUNDRIES, CLEANING AND DYEING ESTABLISHMENTS, AND RUG-CLEANING ESTABLISHMENTS: SUMMARY OF CENSUS STATISTICS

NOTE.—All money figures in thousands of dollars. Statistics cover establishments reporting receipts of \$5,000 or more. Data for power laundries relate to commercial laundries. Data for cleaning and dyeing establishments are restricted to establishments using mechanical power; they include cleaning and dyeing departments of laundries where separate data could be obtained. Rug-cleaning, which was given a separate classification in 1933, was treated in general as an activity of the power laundry industry at prior censuses; statistics include rug-cleaning departments of laundries and of cleaning and dyeing plants so far as they were reported separately. Data for 1933 are incomplete as about 15 percent of the laundries and 24 percent of the cleaning and dyeing establishments that had reported in 1931 failed to supply any information as to their status or activities in 1933. The laundries that failed to report accounted for around 8 percent of the 1931 totals for number of wage earners and receipts for work done for all laundries, while the cleaning and dyeing establishments that did not report accounted for about 15 percent of the 1931 totals for these two items for cleaning and dyeing establishments.

|                                            | Number of laundries | Proprietors and firm members | Salaried employees <sup>1</sup> | Wage earners (average for the year) | Salaries <sup>1</sup> | Wages   | Cost of supplies, fuel, and purchased electric energy | Cost of contract work | Receipts for work done |
|--------------------------------------------|---------------------|------------------------------|---------------------------------|-------------------------------------|-----------------------|---------|-------------------------------------------------------|-----------------------|------------------------|
| <b>Power laundries:</b>                    |                     |                              |                                 |                                     |                       |         |                                                       |                       |                        |
| 1919.....                                  | 4,881               | ( <sup>2</sup> )             | ( <sup>2</sup> )                | 130,489                             | ( <sup>2</sup> )      | 91,926  | 52,842                                                | 1,555                 | 233,816                |
| 1925.....                                  | 4,859               | 3,851                        | 15,412                          | 169,200                             | 31,613                | 162,466 | 55,407                                                | 1,107                 | 362,295                |
| 1927.....                                  | 6,013               | 5,224                        | 17,828                          | 203,216                             | 35,781                | 201,132 | 68,283                                                | ( <sup>3</sup> )      | 454,034                |
| 1929.....                                  | 6,776               | 5,220                        | 21,964                          | 233,187                             | 49,833                | 228,861 | 80,265                                                | ( <sup>3</sup> )      | 541,158                |
| 1931.....                                  | 6,400               | ( <sup>2</sup> )             | ( <sup>2</sup> )                | 217,138                             | ( <sup>2</sup> )      | 202,197 | 67,267                                                | 2,372                 | 465,969                |
| 1933.....                                  | 5,122               | 3,416                        | 13,767                          | 175,546                             | 17,858                | 126,838 | 47,708                                                | 1,971                 | 429,641                |
| <b>Cleaning and dyeing establishments:</b> |                     |                              |                                 |                                     |                       |         |                                                       |                       |                        |
| 1919.....                                  | 1,748               | ( <sup>2</sup> )             | ( <sup>2</sup> )                | 18,408                              | ( <sup>2</sup> )      | 17,866  | 11,511                                                | 461                   | 53,193                 |
| 1925.....                                  | 2,406               | 2,263                        | 5,769                           | 29,386                              | 10,550                | 37,690  | 15,158                                                | 814                   | 102,394                |
| 1927.....                                  | 3,175               | 3,106                        | 7,332                           | 40,251                              | 14,474                | 52,642  | 18,529                                                | 1,340                 | 142,814                |
| 1929.....                                  | 5,208               | 4,912                        | 9,244                           | 59,148                              | 20,390                | 75,031  | 28,637                                                | ( <sup>3</sup> )      | 201,255                |
| 1931.....                                  | 4,592               | ( <sup>2</sup> )             | ( <sup>2</sup> )                | 50,643                              | ( <sup>2</sup> )      | 57,820  | 20,250                                                | 1,234                 | 147,514                |
| 1933.....                                  | 3,694               | 3,080                        | 4,081                           | 43,619                              | 5,048                 | 36,894  | 15,470                                                | 695                   | 93,314                 |
| <b>Rug-cleaning establishments:</b>        |                     |                              |                                 |                                     |                       |         |                                                       |                       |                        |
| 1933.....                                  | 270                 | 250                          | 146                             | 1,596                               | 186                   | 1,404   | 772                                                   | 28                    | 4,400                  |

<sup>1</sup> Figures for 1933 exclude data for salaried officers of corporations included in figures for earlier years.

<sup>2</sup> Not available.

<sup>3</sup> Included in figures for supplies, fuel, and purchased electric energy.

<sup>4</sup> Figures for power laundries include \$1,066,000 receipts for rug cleaning reported by 319 laundries and \$14,494,000 receipts for cleaning and dyeing reported by 1,094 laundries. Figures for cleaning and dyeing establishments include \$808,000 receipts for rug cleaning reported by 1,160 plants and \$600,000 receipts for laundry work reported by 59 plants.

Source of tables 823 and 824: Bureau of the Census, Department of Commerce. The 1933 figures in table 824 were collected in cooperation with the Laundry Owners National Association and the National Association of Dyers and Cleaners.

# 34.—CONSTRUCTION

## No. 825.—CONSTRUCTION CONTRACTS AWARDED

NOTE.—Data compiled from reports covering contracts awarded in small towns and rural districts as well as large cities. Public works and public utilities cover some projects not susceptible to measurement in terms of floor space, such as highways, pipe lines, subways, etc. Statistics for the 37 States were not compiled for years prior to 1925, but available figures covering a varied number of States for earlier years have been published in the 1932 and previous issues of this publication

[Values in millions and tenths of millions of dollars; floor space in thousands of square feet]

| Year                             | Total   | Residential | Commercial | Factories | Public works | Public utilities | Educational | Hospitals and institutions | Public buildings | Religious and memorial | Social and recreational |
|----------------------------------|---------|-------------|------------|-----------|--------------|------------------|-------------|----------------------------|------------------|------------------------|-------------------------|
| <b>37 STATES<sup>1</sup></b>     |         |             |            |           |              |                  |             |                            |                  |                        |                         |
| <b>Number of projects:</b>       |         |             |            |           |              |                  |             |                            |                  |                        |                         |
| 1925                             | 173,720 | 127,678     | 19,083     | 5,139     | 9,381        | 1,802            | 4,024       | 929                        | 856              | 2,426                  | 2,402                   |
| 1926                             | 170,723 | 120,473     | 20,249     | 5,456     | 11,461       | 2,122            | 3,993       | 985                        | 905              | 2,406                  | 2,583                   |
| 1927                             | 184,694 | 128,433     | 21,616     | 5,361     | 14,100       | 2,456            | 4,497       | 1,194                      | 1,303            | 2,751                  | 2,890                   |
| 1928                             | 200,255 | 139,133     | 23,533     | 5,809     | 16,376       | 2,394            | 4,759       | 1,141                      | 1,383            | 2,520                  | 2,637                   |
| 1929                             | 172,171 | 110,498     | 24,136     | 6,383     | 16,708       | 2,661            | 4,531       | 1,190                      | 1,303            | 2,277                  | 2,484                   |
| 1930                             | 185,299 | 74,713      | 22,431     | 4,675     | 18,257       | 3,130            | 4,771       | 1,221                      | 1,477            | 2,044                  | 2,551                   |
| 1931                             | 110,203 | 63,834      | 15,299     | 2,824     | 16,393       | 2,405            | 3,250       | 929                        | 1,454            | 1,650                  | 2,255                   |
| 1932                             | 78,129  | 38,057      | 14,234     | 2,370     | 13,821       | 1,628            | 1,800       | 552                        | 974              | 1,193                  | 1,500                   |
| 1933                             | 85,217  | 40,479      | 18,189     | 3,779     | 13,172       | 2,023            | 2,197       | 546                        | 1,394            | 1,216                  | 2,225                   |
| 1934 <sup>2</sup>                | 92,528  | 37,879      | 20,917     | 3,708     | 16,673       | 2,725            | 3,946       | 741                        | 1,812            | 1,330                  | 2,798                   |
| 1935                             | 113,491 | 61,736      | 21,649     | 3,863     | 13,757       | 2,122            | 3,612       | 736                        | 1,827            | 1,621                  | 2,668                   |
| <b>Value of construction:</b>    |         |             |            |           |              |                  |             |                            |                  |                        |                         |
| 1925                             | 6,006.4 | 2,747.7     | 872.4      | 326.6     | 650.6        | 415.4            | 426.4       | 111.1                      | 54.5             | 153.1                  | 248.7                   |
| 1926                             | 6,380.9 | 2,671.1     | 920.9      | 471.2     | 775.6        | 564.7            | 881.1       | 133.1                      | 67.2             | 148.8                  | 247.1                   |
| 1927                             | 6,303.1 | 2,573.8     | 932.9      | 375.9     | 982.2        | 419.8            | 379.8       | 162.6                      | 79.5             | 150.5                  | 280.7                   |
| 1928                             | 6,028.2 | 2,788.3     | 884.6      | 508.8     | 980.1        | 484.4            | 399.0       | 164.7                      | 78.2             | 127.9                  | 214.1                   |
| 1929                             | 5,780.8 | 1,915.7     | 929.2      | 545.9     | 934.4        | 624.5            | 381.9       | 152.2                      | 120.8            | 106.1                  | 140.0                   |
| 1930                             | 4,623.1 | 1,101.3     | 616.3      | 266.6     | 993.0        | 700.7            | 376.1       | 163.1                      | 139.8            | 92.8                   | 113.3                   |
| 1931                             | 3,092.8 | 811.4       | 311.1      | 116.2     | 875.4        | 295.7            | 228.8       | 121.2                      | 181.3            | 53.1                   | 98.7                    |
| 1932                             | 1,351.2 | 280.1       | 122.7      | 43.5      | 514.7        | 75.6             | 82.3        | 48.4                       | 118.0            | 27.8                   | 35.7                    |
| 1933                             | 1,256.7 | 249.3       | 99.4       | 127.6     | 499.5        | 103.2            | 40.0        | 37.3                       | 50.9             | 17.7                   | 81.1                    |
| 1934 <sup>2</sup>                | 1,643.1 | 248.8       | 160.6      | 116.1     | 626.0        | 125.2            | 117.6       | 37.5                       | 55.7             | 18.8                   | 47.6                    |
| 1935                             | 1,844.5 | 478.8       | 164.5      | 108.9     | 578.5        | 111.7            | 173.5       | 47.1                       | 97.8             | 23.7                   | 60.2                    |
| <b>Floor space of buildings:</b> |         |             |            |           |              |                  |             |                            |                  |                        |                         |
| 1925                             | 920,637 | 559,501     | 160,067    | 66,900    | -----        | -----            | 81,308      | 14,036                     | 8,293            | 18,869                 | 31,565                  |
| 1926                             | 872,674 | 521,061     | 152,355    | 76,705    | -----        | -----            | 54,565      | 14,790                     | 7,856            | 16,371                 | 23,872                  |
| 1927                             | 838,298 | 494,563     | 141,815    | 68,130    | -----        | -----            | 55,475      | 18,808                     | 9,941            | 17,191                 | 32,381                  |
| 1928                             | 956,841 | 568,363     | 159,192    | 92,903    | -----        | -----            | 62,963      | 20,004                     | 11,287           | 15,598                 | 26,691                  |
| 1929                             | 779,747 | 387,671     | 161,262    | 105,523   | -----        | -----            | 60,644      | 19,494                     | 12,626           | 12,817                 | 19,709                  |
| 1930                             | 494,809 | 230,039     | 96,587     | 48,020    | -----        | -----            | 58,550      | 19,120                     | 17,024           | 10,862                 | 14,606                  |
| 1931                             | 357,789 | 190,274     | 80,036     | 20,103    | -----        | -----            | 37,372      | 16,881                     | 24,256           | 6,678                  | 13,287                  |
| 1932                             | 152,829 | 73,607      | 23,885     | 9,048     | -----        | -----            | 14,234      | 7,317                      | 16,198           | 3,617                  | 5,023                   |
| 1933                             | 143,170 | 72,783      | 22,559     | 18,989    | -----        | -----            | 6,953       | 5,596                      | 9,473            | 2,693                  | 5,194                   |
| 1934                             | 149,683 | 64,255      | 28,201     | 17,599    | -----        | -----            | 17,864      | 4,222                      | 9,423            | 2,648                  | 5,446                   |
| 1935                             | 248,652 | 135,416     | 35,391     | 20,638    | -----        | -----            | 27,314      | 6,175                      | 13,524           | 3,633                  | 6,661                   |

<sup>1</sup> Owing to a change in the classification, data for airports have been excluded from the "Commercial" class and included with "Public utilities" beginning 1930. Separate figures for airports are not available prior to 1930.

<sup>2</sup> Owing to a change in the classification figures for the "Factories" class exclude data for power plants for all years and for pipe lines beginning 1929 (separate figures not available for years prior to 1929), which data are included with "Public utilities."

<sup>3</sup> Figures for the 37 States include all except the 11 States in the Mountain and Pacific divisions.

<sup>4</sup> Does not include 23 projects with a total value of \$23,551,900, for which data are not available by classes of construction. These projects were under the Civil Works Program which was not in existence after March 1934.

<sup>5</sup> Includes data for Home Owners' Loan Corporation improvements.

Source: The F. W. Dodge Corporation.

# No. 826.—CONSTRUCTION CONTRACTS AWARDED IN 37 STATES: By MONTHS<sup>1</sup>

NOTE.—See headnote, table 825

| Month          | Value of construction (thousands of dollars) |             |             |                       |             | Floor space of buildings <sup>2</sup> (thousands of square feet) |          |          |          |          |
|----------------|----------------------------------------------|-------------|-------------|-----------------------|-------------|------------------------------------------------------------------|----------|----------|----------|----------|
|                | 1931                                         | 1932        | 1933        | 1934                  | 1935        | 1931                                                             | 1932     | 1933     | 1934     | 1935     |
| Total.....     | 3, 092, 850                                  | 1, 351, 159 | 1, 255, 708 | 1, 543, 108           | 1, 844, 545 | 357, 789                                                         | 152, 829 | 143, 170 | 149, 685 | 248, 652 |
| January.....   | 227, 956                                     | 84, 798     | 83, 356     | <sup>3</sup> 186, 464 | 99, 774     | 24, 002                                                          | 12, 301  | 7, 620   | 9, 543   | 11, 150  |
| February.....  | 235, 405                                     | 89, 046     | 52, 712     | <sup>3</sup> 96, 716  | 75, 047     | 28, 017                                                          | 12, 123  | 7, 234   | 7, 906   | 9, 554   |
| March.....     | 399, 081                                     | 112, 835    | 69, 959     | <sup>3</sup> 178, 346 | 122, 941    | 37, 862                                                          | 16, 728  | 9, 773   | 14, 541  | 16, 775  |
| April.....     | 236, 925                                     | 121, 705    | 56, 573     | 131, 157              | 124, 020    | 38, 436                                                          | 13, 675  | 10, 788  | 13, 923  | 19, 635  |
| May.....       | 306, 079                                     | 146, 921    | 77, 172     | 134, 364              | 126, 720    | 38, 484                                                          | 15, 561  | 14, 877  | 14, 249  | 22, 281  |
| June.....      | 316, 148                                     | 118, 075    | 102, 342    | 127, 055              | 148, 005    | 32, 870                                                          | 12, 180  | 15, 345  | 13, 730  | 22, 777  |
| July.....      | 285, 997                                     | 128, 769    | 62, 554     | 119, 662              | 159, 258    | 32, 262                                                          | 14, 134  | 14, 304  | 13, 054  | 21, 402  |
| August.....    | 233, 106                                     | 133, 988    | 105, 989    | 119, 692              | 168, 557    | 29, 793                                                          | 13, 650  | 12, 706  | 13, 939  | 21, 485  |
| September..... | 261, 110                                     | 127, 527    | 120, 134    | 110, 151              | 197, 379    | 29, 586                                                          | 13, 271  | 12, 767  | 12, 359  | 20, 603  |
| October.....   | 242, 094                                     | 107, 274    | 145, 367    | 135, 225              | 200, 596    | 30, 865                                                          | 10, 896  | 15, 199  | 14, 890  | 27, 677  |
| November.....  | 151, 196                                     | 106, 302    | 162, 341    | 111, 692              | 188, 115    | 20, 179                                                          | 11, 525  | 11, 488  | 12, 569  | 23, 933  |
| December.....  | 136, 852                                     | 81, 219     | 207, 210    | 92, 685               | 264, 137    | 16, 903                                                          | 6, 768   | 11, 074  | 8, 983   | 32, 579  |

<sup>1</sup> Figures for the 37 States include all except the 11 States in the Mountain and Pacific divisions.<sup>2</sup> Figures do not include data for floor space for public works and public utilities. Figures for 1929 include data for airports which are not included for later years. See footnote 1, table 825.<sup>3</sup> Figures do not include the value of projects under the Civil Works Program as follows: January, \$4,000,000; February, \$381,900; and March, \$25,110,000. The Civil Works Program was not in existence after March 1934.

Source: The F. W. Dodge Corporation.

# No. 827.—CONSTRUCTION CONTRACTS AWARDED IN 37 STATES: By TERRITORIES

NOTE.—See headnote, table 825. New England includes Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut. Metropolitan New York and vicinity includes northern New Jersey, New York City, Long Island, Westchester, Orange, Putnam, and Rockland Counties, N. Y. Up-State New York includes all counties north of Orange, Putnam, and Rockland. Middle Atlantic includes eastern Pennsylvania, southern New Jersey, Maryland, Delaware, District of Columbia, and Virginia. Pittsburgh includes western Pennsylvania, West Virginia, Ohio, and Kentucky. Southern Michigan consists of the southern peninsula. Chicago includes northern Illinois, Indiana, Iowa, and eastern and southern Wisconsin. Central Northwest includes Minnesota, the Dakotas, northern peninsula of Michigan, and northwest Wisconsin. St. Louis includes southern Illinois, eastern Missouri, northeast Arkansas, western Tennessee, and northwest Mississippi. Kansas City includes western Missouri, Kansas, Oklahoma, and Nebraska. Texas includes the State only. New Orleans includes Louisiana, western and southern Arkansas, and eastern and southern Mississippi. Southeastern includes the Carolinas, Georgia, Florida, Alabama, and eastern Tennessee.

[Value in thousands of dollars; floor space in thousands of square feet]

| Territory                               | Value       |             |                       |             | Floor space of buildings <sup>1</sup> |          |          |          |
|-----------------------------------------|-------------|-------------|-----------------------|-------------|---------------------------------------|----------|----------|----------|
|                                         | 1932        | 1933        | 1934                  | 1935        | 1932                                  | 1933     | 1934     | 1935     |
| Total.....                              | 1, 351, 159 | 1, 255, 708 | 1, 543, 108           | 1, 844, 545 | 152, 829                              | 143, 170 | 149, 685 | 248, 652 |
| New England.....                        | 114, 053    | 120, 696    | 144, 861              | 148, 040    | 15, 425                               | 13, 982  | 13, 959  | 17, 381  |
| Metropolitan New York and vicinity..... | 190, 678    | 176, 618    | 208, 498              | 302, 246    | 26, 819                               | 27, 117  | 25, 504  | 43, 512  |
| Up-State New York.....                  | 75, 955     | 76, 871     | 82, 414               | 63, 763     | 7, 868                                | 6, 598   | 6, 371   | 5, 988   |
| Middle Atlantic.....                    | 227, 615    | 138, 101    | <sup>2</sup> 191, 018 | 228, 187    | 30, 300                               | 19, 982  | 23, 129  | 36, 311  |
| Pittsburgh.....                         | 151, 612    | 146, 866    | <sup>2</sup> 200, 085 | 216, 567    | 13, 633                               | 13, 365  | 12, 982  | 27, 031  |
| Southern Michigan.....                  | 41, 715     | 47, 969     | 54, 842               | 88, 740     | 5, 044                                | 4, 907   | 5, 578   | 12, 039  |
| Chicago.....                            | 152, 842    | 121, 885    | 176, 174              | 228, 821    | 13, 578                               | 13, 800  | 15, 020  | 26, 502  |
| Central Northwest.....                  | 61, 616     | 44, 072     | 58, 699               | 64, 553     | 4, 305                                | 4, 325   | 4, 202   | 5, 985   |
| St. Louis.....                          | 88, 077     | 80, 775     | 95, 604               | 114, 128    | 5, 810                                | 7, 051   | 8, 085   | 12, 574  |
| Kansas City.....                        | 76, 681     | 73, 751     | 77, 746               | 90, 906     | 6, 241                                | 7, 173   | 7, 170   | 11, 591  |
| Texas.....                              | 56, 233     | 59, 652     | 64, 282               | 69, 002     | 6, 943                                | 8, 217   | 8, 399   | 14, 304  |
| New Orleans.....                        | 35, 921     | 43, 621     | 55, 902               | 51, 030     | 4, 806                                | 2, 857   | 3, 476   | 4, 453   |
| Southeastern.....                       | 83, 260     | 127, 033    | 155, 184              | 178, 594    | 12, 058                               | 13, 798  | 15, 910  | 30, 981  |

<sup>1</sup> Figures do not include data for floor space for public works and public utilities.<sup>2</sup> Figures do not include the value of projects under the Civil Works Program as follows: For Middle Atlantic, \$28,668,000; and for Pittsburgh, \$883,000.

Source: The F. W. Dodge Corporation.

## No. 828.—BUILDING PERMITS ISSUED IN PRINCIPAL CITIES

NOTE.—Figures cover new buildings and repairs to old buildings, but exclude data for installation permits (those for installing boilers, signs, etc.) which are not strictly building operations. These permits are rather numerous, but in value they are of small amount. The number figures represent the number of buildings covered by permits issued (new construction and repairs, etc.), rather than the number of permits. Buildings authorized by permit are not always actually constructed, and the actual cost of those constructed may differ considerably from that originally estimated. The cities shown had a population of 50,000 or over in 1930.

| City and State       | Total number of buildings |        |       |       |        | Estimated cost of buildings (thousands of dollars) |        |       |        |        |
|----------------------|---------------------------|--------|-------|-------|--------|----------------------------------------------------|--------|-------|--------|--------|
|                      | 1931                      | 1932   | 1933  | 1934  | 1935   | 1931                                               | 1932   | 1933  | 1934   | 1935   |
| Akron, Ohio          | 1,506                     | 908    | 690   | 1,078 | 1,387  | 1,939                                              | 804    | 689   | 875    | 1,338  |
| Albany, N. Y.        | 1,229                     | 1,172  | 1,402 | 1,658 | 1,814  | 5,061                                              | 3,896  | 1,521 | 1,726  | 2,121  |
| Allentown, Pa.       | 428                       | 329    | 277   | 271   | 275    | 998                                                | 1,093  | 674   | 456    | 723    |
| Altoona, Pa.         | 1,016                     | 934    | 511   | 576   | 597    | 745                                                | 170    | 119   | 166    | 223    |
| Asheville, N. C.     | 207                       | 201    | 180   | 311   | 246    | 234                                                | 96     | 150   | 311    | 300    |
| Atlanta, Ga.         | 3,239                     | 2,393  | 1,768 | 2,387 | 2,324  | 3,471                                              | 3,520  | 946   | 2,508  | 6,022  |
| Atlantic City, N. J. | 663                       | 1,233  | 858   | 756   | 865    | 843                                                | 825    | 403   | 502    | 2,191  |
| Augusta, Ga.         | 964                       | 624    | 457   | 448   | 413    | 732                                                | 420    | 372   | 704    | 993    |
| Austin, Tex.         | 1,435                     | 1,104  | 1,176 | 1,150 | 2,219  | 2,471                                              | 5,555  | 1,606 | 1,387  | 5,688  |
| Baltimore, Md.       | 15,680                    | 12,364 | 7,978 | 7,514 | 8,137  | 24,691                                             | 13,663 | 7,465 | 8,948  | 8,326  |
| Bayonne, N. J.       | 240                       | 293    | 234   | 215   | 269    | 448                                                | 195    | 303   | 371    | 1,502  |
| Beaumont, Tex.       | 1,046                     | 772    | 725   | 829   | 1,104  | 1,021                                              | 711    | 275   | 376    | 995    |
| Berkeley, Calif.     | 1,143                     | 940    | 749   | 746   | 1,077  | 1,900                                              | 1,067  | 786   | 642    | 1,203  |
| Bethlehem, Pa.       | 177                       | 113    | 75    | 110   | 166    | 443                                                | 239    | 100   | 142    | 301    |
| Binghamton, N. Y.    | 2,590                     | 2,654  | 2,835 | 2,304 | 2,290  | 989                                                | 1,484  | 804   | 1,338  | 1,149  |
| Birmingham, Ala.     | 1,716                     | 1,240  | 919   | 2,637 | 3,506  | 1,937                                              | 699    | 515   | 955    | 2,335  |
| Boston, Mass.        | 7,694                     | 5,964  | 5,113 | 5,317 | 6,241  | 33,993                                             | 11,395 | 7,562 | 9,382  | 15,416 |
| Bridgeport, Conn.    | 938                       | 581    | 484   | 471   | 658    | 2,753                                              | 1,249  | 566   | 678    | 1,153  |
| Brockton, Mass.      | 614                       | 482    | 404   | 344   | 374    | 830                                                | 495    | 326   | 206    | 400    |
| Buffalo, N. Y.       | 3,568                     | 2,240  | 1,919 | 1,757 | 2,216  | 9,338                                              | 4,067  | 2,371 | 2,643  | 4,148  |
| Cambridge, Mass.     | 650                       | 490    | 513   | 633   | 878    | 4,991                                              | 1,077  | 1,321 | 595    | 845    |
| Camden, N. J.        | 609                       | 301    | 311   | 295   | 588    | 1,130                                              | 444    | 223   | 501    | 1,601  |
| Canton, Ohio         | 627                       | 310    | 333   | 550   | 928    | 640                                                | 378    | 88    | 343    | 450    |
| Cedar Rapids, Iowa   | 1,177                     | 1,004  | 1,001 | 1,062 | 1,521  | 1,806                                              | 436    | 416   | 1,515  | 979    |
| Charleston, S. C.    | 400                       | 466    | 830   | 348   | 522    | 414                                                | 244    | 361   | 677    | 1,507  |
| Charleston, W. Va.   | 325                       | 381    | 324   | 277   | 521    | 1,050                                              | 491    | 230   | 274    | 1,244  |
| Charlotte, N. C.     | 641                       | 397    | 279   | 360   | 944    | 1,318                                              | 602    | 736   | 792    | 1,491  |
| Chattanooga, Tenn.   | 2,349                     | 1,622  | 1,706 | 2,338 | 3,292  | 1,230                                              | 2,185  | 631   | 925    | 1,190  |
| Chester, Pa.         | 146                       | 61     | 68    | 50    | 124    | 681                                                | 126    | 63    | 232    | 380    |
| Chicago, Ill.        | 6,619                     | 3,872  | 3,160 | 3,201 | 4,237  | 66,094                                             | 12,681 | 5,729 | 10,176 | 17,839 |
| Chicago, Ill.        | 142                       | 93     | 74    | 64    | 86     | 1,071                                              | 68     | 57    | 159    | 200    |
| Cincinnati, Ohio     | 5,395                     | 3,861  | 3,687 | 3,788 | 4,415  | 21,467                                             | 7,820  | 4,194 | 4,587  | 9,919  |
| Cleveland, Ohio      | 6,645                     | 3,612  | 3,005 | 2,671 | 3,549  | 11,991                                             | 12,048 | 2,750 | 3,262  | 12,357 |
| Columbia, S. C.      | 559                       | 505    | 292   | 319   | 542    | 2,073                                              | 631    | 143   | 930    | 1,621  |
| Columbus, Ohio       | 1,738                     | 1,074  | 908   | 952   | 1,219  | 3,369                                              | 1,868  | 2,136 | 862    | 2,757  |
| Covington, Ky.       | 347                       | 212    | 123   | 182   | 178    | 761                                                | 197    | 160   | 134    | 136    |
| Dallas, Tex.         | 3,071                     | 2,409  | 3,044 | 2,594 | 3,330  | 4,348                                              | 2,222  | 1,821 | 2,551  | 5,183  |
| Davenport, Iowa      | 1,493                     | 1,167  | 2,237 | 1,360 | 1,535  | 1,252                                              | 712    | 432   | 355    | 437    |
| Dayton, Ohio         | 1,396                     | 744    | 640   | 603   | 799    | 2,895                                              | 939    | 598   | 1,420  | 1,149  |
| Decatur, Ill.        | 252                       | 168    | 136   | 136   | 269    | 781                                                | 179    | 158   | 845    | 572    |
| Denver, Colo.        | 4,183                     | 3,523  | 3,421 | 2,948 | 3,470  | 6,828                                              | 3,001  | 1,881 | 2,265  | 5,150  |
| Des Moines, Iowa     | 1,171                     | 953    | 899   | 879   | 1,102  | 3,033                                              | 1,895  | 751   | 1,489  | 2,158  |
| Detroit, Mich.       | 10,082                    | 5,159  | 4,079 | 5,454 | 10,145 | 23,435                                             | 8,740  | 4,053 | 8,880  | 22,218 |
| Duluth, Minn.        | 1,472                     | 919    | 920   | 1,157 | 1,631  | 948                                                | 1,352  | 1,014 | 904    | 980    |
| Durham, N. C.        | 191                       | 152    | 199   | 261   | 406    | 693                                                | 667    | 538   | 676    | 1,146  |
| East Chicago, Ind.   | 215                       | 58     | 117   | 78    | 224    | 805                                                | 75     | 184   | 151    | 645    |
| East Orange, N. J.   | 644                       | 353    | 444   | 834   | 1,082  | 1,411                                              | 665    | 258   | 490    | 672    |
| East St. Louis, Ill. | 468                       | 321    | 279   | 267   | 282    | 1,052                                              | 272    | 192   | 236    | 337    |
| Elizabeth, N. J.     | 292                       | 216    | 401   | 265   | 357    | 2,348                                              | 385    | 618   | 273    | 687    |
| El Paso, Tex.        | 697                       | 419    | 361   | 383   | 452    | 949                                                | 870    | 281   | 255    | 1,183  |
| Erie, Pa.            | 1,220                     | 685    | 484   | 421   | 533    | 2,711                                              | 673    | 544   | 280    | 640    |
| Evanston, Ill.       | 354                       | 224    | 183   | 213   | 233    | 3,251                                              | 739    | 400   | 742    | 948    |
| Evansville, Ind.     | 1,055                     | 814    | 1,224 | 917   | 1,237  | 1,188                                              | 485    | 281   | 644    | 1,119  |
| Fall River, Mass.    | 537                       | 428    | 378   | 398   | 321    | 697                                                | 447    | 383   | 282    | 196    |
| Flint, Mich.         | 2,103                     | 992    | 1,094 | 2,259 | 2,356  | 1,968                                              | 292    | 420   | 702    | 1,451  |
| Fort Wayne, Ind.     | 1,311                     | 595    | 439   | 496   | 1,079  | 3,188                                              | 1,623  | 761   | 451    | 1,208  |
| Fort Worth, Tex.     | 1,923                     | 1,325  | 922   | 903   | 1,224  | 6,845                                              | 1,432  | 2,626 | 1,405  | 3,312  |
| Fresno, Calif.       | 1,437                     | 1,088  | 964   | 1,264 | 2,044  | 1,007                                              | 893    | 546   | 796    | 2,098  |
| Galveston, Tex.      | 1,371                     | 1,454  | 1,033 | 1,528 | 1,144  | 2,543                                              | 877    | 454   | 484    | 1,243  |
| Gary, Ind.           | 340                       | 89     | 131   | 145   | 1,359  | 983                                                | 130    | 113   | 221    | 625    |
| Grand Rapids, Mich.  | 1,664                     | 1,002  | 700   | 805   | 999    | 1,147                                              | 1,513  | 415   | 454    | 671    |
| Greensboro, N. C.    | 511                       | 393    | 380   | 422   | 540    | 1,135                                              | 209    | 256   | 621    | 1,074  |

<sup>1</sup> Applications filed.

<sup>2</sup> For 10 months only; November and December not available.



## No. 828.—BUILDING PERMITS ISSUED IN PRINCIPAL CITIES—Continued

| City and State                            | Total number of buildings |        |        |        |        | Estimated cost of buildings (thousands of dollars) |        |        |        |        |
|-------------------------------------------|---------------------------|--------|--------|--------|--------|----------------------------------------------------|--------|--------|--------|--------|
|                                           | 1931                      | 1932   | 1933   | 1934   | 1935   | 1931                                               | 1932   | 1933   | 1934   | 1935   |
| Hamilton, Ohio.....                       | 325                       | 361    | 142    | 360    | 215    | 467                                                | 703    | 64     | 742    | 255    |
| Hammond, Ind.....                         | 345                       | 190    | 194    | 223    | 1,129  | 3,314                                              | 152    | 190    | 279    | 1,406  |
| Hamtramck, Mich.....                      | 228                       | 118    | 140    | 296    | 385    | 121                                                | 54     | 202    | 274    | 510    |
| Harrisburg, Pa.....                       | 482                       | 350    | 289    | 230    | 309    | 2,001                                              | 695    | 464    | 352    | 779    |
| Hartford, Conn.....                       | 1,331                     | 1,116  | 1,186  | 1,534  | 1,574  | 4,847                                              | 2,068  | 864    | 1,882  | 2,635  |
| Highland Park, Mich.....                  | 142                       | 132    | 120    | 161    | 244    | 117                                                | 81     | 57     | 160    | 440    |
| Hoboken, N. J.....                        | 289                       | 227    | 271    | 326    | 390    | 567                                                | 486    | 166    | 165    | 522    |
| Holyoke, Mass.....                        | 245                       | 149    | 149    | 166    | 204    | 766                                                | 237    | 185    | 584    | 336    |
| Houston, Tex.....                         | 2,261                     | 963    | 1,480  | 2,085  | 3,128  | 11,863                                             | 2,573  | 3,084  | 4,698  | 7,359  |
| Huntington, W. Va.....                    | 236                       | 237    | 169    | 206    | 231    | 1,096                                              | 202    | 212    | 179    | 613    |
| Indianapolis, Ind.....                    | 3,229                     | 2,160  | 2,014  | 2,922  | 2,268  | 9,339                                              | 2,646  | 1,699  | 2,707  | 6,334  |
| Irvington, N. J.....                      | 380                       | 242    | 164    | 142    | 248    | 1,749                                              | 366    | 199    | 149    | 446    |
| Jackson, Mich.....                        | 506                       | 280    | 226    | 234    | 298    | 410                                                | 374    | 184    | 83     | 163    |
| Jacksonville, Fla.....                    | 2,288                     | 2,331  | 3,171  | 4,185  | 4,913  | 1,847                                              | 2,344  | 1,630  | 2,160  | 3,107  |
| Jersey City, N. J.....                    | 725                       | 671    | 458    | 634    | 762    | 1,991                                              | 1,171  | 1,130  | 867    | 1,063  |
| Johnstown, Pa.....                        | 327                       | 214    | 216    | 340    | 322    | 605                                                | 139    | 82     | 176    | 123    |
| Kalamazoo, Mich.....                      | 742                       | 493    | 444    | 507    | 620    | 1,035                                              | 202    | 238    | 517    | 833    |
| Kansas City, Kans.....                    | 598                       | 658    | 881    | 340    | 367    | 667                                                | 258    | 193    | 264    | 1,924  |
| Kansas City, Mo.....                      | 1,396                     | 708    | 583    | 525    | 1,096  | 8,291                                              | 1,961  | 943    | 1,423  | 3,926  |
| Kenosha, Wis.....                         | 337                       | 210    | 190    | 203    | 298    | 646                                                | 248    | 115    | 184    | 389    |
| Knoxville, Tenn.....                      | 526                       | 316    | 266    | 396    | 640    | 1,035                                              | 1,415  | 475    | 1,072  | 1,888  |
| Lakewood, Ohio.....                       | 391                       | 311    | 227    | 223    | 797    | 237                                                | 404    | 183    | 304    | 421    |
| Lancaster, Pa.....                        | 410                       | 202    | 115    | 240    | 374    | 538                                                | 362    | 141    | 268    | 695    |
| Lansing, Mich.....                        | 470                       | 329    | 282    | 474    | 715    | 1,209                                              | 523    | 108    | 394    | 1,054  |
| Lawrence, Mass.....                       | 350                       | 180    | 199    | 230    | 321    | 892                                                | 285    | 192    | 754    | 367    |
| Lincoln, Nebr.....                        | 627                       | 394    | 641    | 1,188  | 1,382  | 1,745                                              | 340    | 358    | 567    | 991    |
| Little Rock, Ark.....                     | 848                       | 742    | 733    | 1,185  | 1,324  | 2,771                                              | 368    | 205    | 456    | 877    |
| Long Beach, Calif.....                    | 3,304                     | 2,449  | 9,320  | 3,537  | 5,621  | 4,472                                              | 3,101  | 6,384  | 2,565  | 6,828  |
| Los Angeles, Calif.....                   | 25,311                    | 17,122 | 16,873 | 15,966 | 21,569 | 41,422                                             | 17,786 | 15,396 | 14,968 | 32,619 |
| Louisville, Ky.....                       | 1,174                     | 898    | 986    | 849    | 1,297  | 5,585                                              | 2,416  | 1,627  | 2,309  | 3,262  |
| Lowell, Mass.....                         | 537                       | 434    | 405    | 392    | 411    | 627                                                | 167    | 261    | 238    | 253    |
| Lynn, Mass.....                           | 802                       | 628    | 523    | 457    | 486    | 1,521                                              | 740    | 418    | 444    | 796    |
| Macon, Ga.....                            | 501                       | 420    | 391    | 833    | 567    | 564                                                | 585    | 557    | 644    | 291    |
| Madison, Wis.....                         | 685                       | 398    | 377    | 406    | 682    | 1,345                                              | 608    | 312    | 716    | 1,150  |
| Malden, Mass.....                         | 495                       | 328    | 237    | 271    | 276    | 986                                                | 262    | 144    | 275    | 167    |
| Manchester, N. H.....                     | 1,045                     | 996    | 782    | 804    | 930    | 826                                                | 717    | 382    | 392    | 390    |
| McKeesport, Pa.....                       | 815                       | 404    | 338    | 416    | 566    | 632                                                | 349    | 136    | 164    | 284    |
| Medford, Mass.....                        | 608                       | 303    | 242    | 192    | 254    | 2,243                                              | 461    | 326    | 279    | 320    |
| Memphis, Tenn.....                        | 2,717                     | 2,069  | 1,811  | 2,131  | 2,854  | 3,334                                              | 1,809  | 1,625  | 1,616  | 2,772  |
| Miami, Fla.....                           | 2,970                     | 2,854  | 2,382  | 4,124  | 6,354  | 3,097                                              | 1,197  | 1,722  | 2,711  | 5,411  |
| Milwaukee, Wis.....                       | 3,892                     | 2,166  | 1,791  | 2,191  | 4,119  | 12,634                                             | 4,147  | 2,207  | 2,814  | 7,405  |
| Minneapolis, Minn.....                    | 5,861                     | 3,889  | 3,020  | 3,035  | 3,974  | 12,390                                             | 6,991  | 2,821  | 3,218  | 4,772  |
| Mobile, Ala.....                          | 443                       | 343    | 432    | 691    | 552    | 881                                                | 639    | 385    | 807    | 512    |
| Montgomery, Ala.....                      | 1,194                     | 829    | 889    | 1,647  | 1,483  | 820                                                | 1,187  | 586    | 1,183  | 1,748  |
| Mt. Vernon, N. Y.....                     | 516                       | 293    | 216    | 189    | 253    | 3,819                                              | 677    | 608    | 469    | 1,357  |
| Nashville, Tenn.....                      | 1,580                     | 1,273  | 1,016  | 818    | 1,194  | 4,403                                              | 1,124  | 1,829  | 1,359  | 3,545  |
| Newark, N. J.....                         | 1,693                     | 1,025  | 867    | 803    | 1,067  | 6,466                                              | 5,410  | 4,594  | 2,696  | 5,585  |
| New Bedford, Mass.....                    | 542                       | 423    | 500    | 498    | 443    | 471                                                | 194    | 233    | 440    | 337    |
| New Britain, Conn.....                    | 535                       | 403    | 379    | 556    | 552    | 1,000                                              | 317    | 261    | 750    | 716    |
| New Haven, Conn.....                      | 1,093                     | 749    | 626    | 529    | 588    | 9,491                                              | 2,449  | 1,910  | 2,067  | 1,079  |
| New Orleans, La.....                      | 1,323                     | 1,047  | 853    | 951    | 999    | 5,526                                              | 3,408  | 1,251  | 1,422  | 3,956  |
| New Rochelle, N. Y.....                   | 485                       | 285    | 218    | 178    | 233    | 4,340                                              | 715    | 525    | 382    | 591    |
| Newton, Mass.....                         | 915                       | 511    | 567    | 555    | 664    | 4,882                                              | 1,341  | 1,680  | 2,227  | 2,591  |
| New York, N. Y.:<br>Borough of Bronx..... | 7,183                     | 5,956  | 6,640  | 6,713  | 6,229  | 65,399                                             | 8,881  | 20,770 | 11,458 | 23,721 |
| Borough of Brooklyn.....                  | 11,396                    | 8,350  | 10,222 | 11,401 | 10,566 | 75,534                                             | 20,396 | 19,008 | 21,110 | 48,172 |
| Borough of Manhattan.....                 | 3,202                     | 2,487  | 2,991  | 3,861  | 4,239  | 137,371                                            | 30,496 | 28,204 | 44,807 | 47,148 |
| Borough of Queens.....                    | 18,899                    | 12,049 | 11,530 | 11,798 | 13,517 | 70,754                                             | 15,982 | 14,802 | 14,825 | 29,462 |
| Borough of Richmond.....                  | 2,217                     | 1,592  | 1,477  | 1,540  | 1,655  | 7,805                                              | 3,097  | 3,777  | 4,462  | 5,381  |
| Niagara Falls, N. Y.....                  | 1,305                     | 1,013  | 897    | 824    | 882    | 1,249                                              | 904    | 441    | 1,006  | 967    |
| Norfolk, Va.....                          | 1,142                     | 966    | 758    | 586    | 773    | 1,640                                              | 3,091  | 1,087  | 1,435  | 2,612  |
| Oakland, Calif.....                       | 2,730                     | 2,023  | 1,722  | 2,794  | 3,861  | 7,223                                              | 2,266  | 1,945  | 2,889  | 9,545  |
| Oak Park, Ill.....                        | 244                       | 119    | 112    | 139    | 225    | 1,249                                              | 600    | 128    | 327    | 626    |
| Oklahoma City, Okla.....                  | 1,796                     | 859    | 625    | 843    | 1,298  | 19,019                                             | 7,176  | 2,934  | 1,719  | 3,262  |
| Omaha, Nebr.....                          | 1,017                     | 740    | 770    | 861    | 1,157  | 3,815                                              | 1,228  | 1,100  | 1,907  | 1,642  |
| Pasadena, Calif.....                      | 3,285                     | 2,978  | 2,725  | 2,865  | 2,411  | 4,460                                              | 2,220  | 994    | 1,721  | 2,221  |
| Passaic, N. J.....                        | 629                       | 569    | 470    | 687    | 636    | 604                                                | 451    | 355    | 471    | 479    |
| Paterson, N. J.....                       | 1,477                     | 1,066  | 947    | 1,008  | 1,042  | 1,643                                              | 1,177  | 736    | 724    | 897    |
| Pawtucket, R. I.....                      | 525                       | 256    | 285    | 346    | 457    | 962                                                | 288    | 273    | 909    | 466    |

1 Applications filed.

## No. 828.—BUILDING PERMITS ISSUED IN PRINCIPAL CITIES—Continued

| City and State        | Total number of buildings |       |       |       |       | Estimated cost of buildings (thousands of dollars) |        |        |        |        |
|-----------------------|---------------------------|-------|-------|-------|-------|----------------------------------------------------|--------|--------|--------|--------|
|                       | 1931                      | 1932  | 1933  | 1934  | 1935  | 1931                                               | 1932   | 1933   | 1934   | 1935   |
| Peoria, Ill.          | 807                       | 407   | 506   | 532   | 711   | 2,515                                              | 584    | 1,877  | 934    | 1,844  |
| Philadelphia, Pa.     | 5,491                     | 4,144 | 3,577 | 3,524 | 4,407 | 35,265                                             | 17,863 | 12,099 | 8,284  | 12,377 |
| Pittsburgh, Pa.       | 4,059                     | 2,401 | 2,817 | 2,150 | 2,448 | 19,386                                             | 9,135  | 2,695  | 2,443  | 5,911  |
| Pontiac, Mich.        | 444                       | 193   | 206   | 209   | 536   | 341                                                | 77     | 67     | 170    | 769    |
| Port Arthur, Tex.     | 626                       | 308   | 243   | 509   | 817   | 905                                                | 87     | 44     | 234    | 546    |
| Portland, Me.         | 1,117                     | 922   | 685   | 754   | 872   | 1,254                                              | 1,067  | 537    | 451    | 438    |
| Portland, Oreg.       | 4,823                     | 3,435 | 3,185 | 3,053 | 3,721 | 7,156                                              | 2,982  | 2,355  | 2,356  | 2,542  |
| Providence, R. I.     | 4,729                     | 4,004 | 3,500 | 3,578 | 3,682 | 7,913                                              | 2,189  | 2,325  | 1,711  | 2,663  |
| Pueblo, Colo.         | 736                       | 424   | 406   | 474   | 544   | 454                                                | 129    | 97     | 166    | 441    |
| Quincy, Mass.         | 1,312                     | 904   | 864   | 712   | 935   | 1,783                                              | 687    | 496    | 379    | 554    |
| Racine, Wis.          | 333                       | 134   | 142   | 182   | 293   | 1,757                                              | 205    | 100    | 160    | 428    |
| Reading, Pa.          | 1,543                     | 843   | 644   | 706   | 646   | 2,772                                              | 478    | 327    | 1,329  | 360    |
| Richmond, Va.         | 1,543                     | 1,119 | 1,005 | 1,244 | 1,467 | 3,054                                              | 1,090  | 1,025  | 1,803  | 1,743  |
| Roanoke, Va.          | 422                       | 238   | 278   | 292   | 432   | 1,113                                              | 257    | 1,592  | 167    | 624    |
| Rochester, N. Y.      | 2,291                     | 1,785 | 1,359 | 1,294 | 1,393 | 6,303                                              | 3,557  | 2,078  | 3,724  | 2,798  |
| Rockford, Ill.        | 583                       | 249   | 218   | 309   | 539   | 647                                                | 732    | 120    | 320    | 586    |
| Sacramento, Calif.    | 1,377                     | 1,373 | 1,147 | 923   | 1,229 | 3,787                                              | 2,339  | 1,349  | 1,732  | 1,916  |
| Saginaw, Mich.        | 825                       | 542   | 507   | 637   | 844   | 485                                                | 288    | 210    | 337    | 1,288  |
| St. Joseph, Mo.       | 453                       | 274   | 235   | 165   | 199   | 431                                                | 220    | 241    | 418    | 311    |
| St. Louis, Mo.        | 6,754                     | 4,387 | 3,546 | 3,650 | 4,125 | 15,620                                             | 4,414  | 13,068 | 5,269  | 15,156 |
| St. Paul, Minn.       | 3,969                     | 2,813 | 2,750 | 2,660 | 2,704 | 12,652                                             | 2,796  | 4,566  | 2,343  | 3,182  |
| Salt Lake City, Utah. | 958                       | 518   | 528   | 967   | 1,788 | 3,462                                              | 540    | 571    | 1,177  | 1,926  |
| San Antonio, Tex.     | 2,656                     | 2,023 | 1,533 | 1,707 | 6,097 | 3,273                                              | 1,638  | 2,310  | 1,754  | 6,097  |
| San Diego, Calif.     | 2,831                     | 2,067 | 1,874 | 1,858 | 3,065 | 5,811                                              | 2,692  | 2,539  | 2,746  | 5,327  |
| San Francisco, Calif. | 5,251                     | 3,931 | 3,439 | 2,935 | 4,064 | 21,442                                             | 16,466 | 58,198 | 7,112  | 12,376 |
| San Jose, Calif.      | 811                       | 583   | 558   | 676   | 839   | 1,803                                              | 1,230  | 1,152  | 1,323  | 1,323  |
| Savannah, Ga.         | 276                       | 181   | 918   | 221   | 226   | 450                                                | 155    | 473    | 391    | 389    |
| Schenectady, N. Y.    | 1,050                     | 754   | 795   | 976   | 1,156 | 1,300                                              | 599    | 660    | 584    | 965    |
| Scranton, Pa.         | 744                       | 652   | 594   | 618   | 653   | 1,378                                              | 2,126  | 458    | 664    | 581    |
| Seattle, Wash.        | 5,714                     | 2,677 | 2,980 | 3,133 | 3,474 | 12,493                                             | 3,257  | 1,953  | 2,318  | 3,827  |
| Shreveport, La.       | 1,637                     | 1,332 | 1,198 | 1,818 | 1,447 | 1,600                                              | 455    | 1,337  | 1,865  | 1,306  |
| Sioux City, Iowa.     | 663                       | 328   | 315   | 310   | 360   | 1,571                                              | 1,141  | 377    | 1,146  | 529    |
| Somerville, Mass.     | 559                       | 395   | 354   | 323   | 301   | 980                                                | 556    | 234    | 252    | 305    |
| South Bend, Ind.      | 1,074                     | 665   | 470   | 577   | 887   | 1,329                                              | 493    | 285    | 228    | 559    |
| Spokane, Wash.        | 1,767                     | 1,334 | 1,209 | 1,325 | 1,752 | 2,176                                              | 566    | 808    | 754    | 1,668  |
| Springfield, Ill.     | 850                       | 602   | 395   | 247   | 412   | 2,329                                              | 714    | 636    | 418    | 490    |
| Springfield, Mass.    | 827                       | 589   | 507   | 513   | 529   | 2,948                                              | 1,021  | 747    | 988    | 582    |
| Springfield, Mo.      | 347                       | 329   | 403   | 406   | 687   | 2,283                                              | 361    | 325    | 440    | 580    |
| Springfield, Ohio.    | 428                       | 231   | 194   | 267   | 437   | 1,194                                              | 445    | 60     | 217    | 574    |
| Syracuse, N. Y.       | 1,268                     | 657   | 590   | 576   | 613   | 7,000                                              | 1,698  | 646    | 1,241  | 1,987  |
| Tacoma, Wash.         | 1,278                     | 800   | 615   | 706   | 949   | 2,002                                              | 432    | 534    | 459    | 676    |
| Tampa, Fla.           | 2,642                     | 2,065 | 1,937 | 1,985 | 2,114 | 741                                                | 414    | 407    | 440    | 962    |
| Terre Haute, Ind.     | 675                       | 507   | 438   | 439   | 619   | 223                                                | 616    | 192    | 1,125  | 322    |
| Toledo, Ohio.         | 1,822                     | 895   | 921   | 958   | 1,050 | 2,265                                              | 493    | 401    | 2,443  | 1,762  |
| Topeka, Kans.         | 591                       | 435   | 453   | 456   | 631   | 2,305                                              | 909    | 260    | 305    | 979    |
| Trenton, N. J.        | 585                       | 399   | 438   | 443   | 396   | 2,421                                              | 707    | 411    | 675    | 549    |
| Troy, N. Y.           | 559                       | 451   | 467   | 428   | 513   | 2,201                                              | 723    | 470    | 674    | 1,254  |
| Tulsa, Okla.          | 1,501                     | 714   | 646   | 690   | 989   | 4,389                                              | 513    | 514    | 1,008  | 1,669  |
| Union City, N. J.     | 534                       | 389   | 355   | 357   | 424   | 1,075                                              | 624    | 170    | 261    | 435    |
| Utica, N. Y.          | 326                       | 207   | 166   | 225   | 197   | 1,134                                              | 533    | 619    | 1,317  | 289    |
| Waco, Tex.            | 312                       | 319   | 252   | 191   | 308   | 1,779                                              | 327    | 257    | 206    | 1,837  |
| Washington, D. C.     | 5,819                     | 4,492 | 3,819 | 4,548 | 6,790 | 52,588                                             | 59,297 | 8,539  | 20,929 | 47,121 |
| Waterbury, Conn.      | 438                       | 290   | 281   | 338   | 350   | 1,187                                              | 309    | 285    | 640    | 471    |
| Wheeling, W. Va.      | 421                       | 271   | 273   | 422   | 453   | 645                                                | 818    | 343    | 429    | 570    |
| Wichita, Kans.        | 1,132                     | 652   | 590   | 811   | 1,867 | 2,340                                              | 1,195  | 351    | 707    | 1,251  |
| Wilkes-Barre, Pa.     | 696                       | 601   | 561   | 612   | 646   | 1,170                                              | 780    | 719    | 438    | 752    |
| Wilmington, Del.      | 1,055                     | 559   | 573   | 584   | 1,059 | 3,297                                              | 1,882  | 2,118  | 1,186  | 2,430  |
| Winston-Salem, N.C.   | 1,027                     | 584   | 553   | 706   | 829   | 852                                                | 408    | 246    | 352    | 1,066  |
| Worcester, Mass.      | 1,304                     | 950   | 932   | 1,103 | 1,156 | 5,562                                              | 1,683  | 1,162  | 1,306  | 1,949  |
| Yonkers, N. Y.        | 1,265                     | 810   | 603   | 469   | 600   | 10,014                                             | 2,565  | 2,145  | 942    | 2,368  |
| York, Pa.             | 891                       | 674   | 672   | 694   | 855   | 762                                                | 235    | 392    | 432    | 414    |
| Youngstown, Ohio.     | 768                       | 473   | 587   | 594   | 914   | 1,464                                              | 596    | 543    | 449    | 740    |

\* For 7 months only; August to December not available.

\* For 11 months only; March records destroyed by fire.

Source: Bureau of Labor Statistics, Department of Labor.

## No. 829.—BUILDING PERMITS ISSUED, BY CLASSES

NOTE.—See headnote, table 828. Figures represent 811 identical cities

| Class of building                           | Number of build-ings |         | Per-centage change | Estimated cost (1,000 dollars) |         | Per-centage change |
|---------------------------------------------|----------------------|---------|--------------------|--------------------------------|---------|--------------------|
|                                             | 1934                 | 1935    |                    | 1934                           | 1935    |                    |
| Grand total, all buildings                  | 360,580              | 450,123 | +28.4              | 491,055                        | 836,504 | +70.3              |
| Total, new buildings                        | 86,319               | 132,497 | +53.5              | 322,549                        | 607,957 | +88.5              |
| New residential buildings                   | 21,773               | 53,058  | +143.7             | 107,148                        | 291,227 | +171.8             |
| 1-family dwellings                          | 20,198               | 49,001  | +142.6             | 78,313                         | 201,954 | +157.9             |
| 2-family dwellings                          | 968                  | 2,047   | +113.7             | 5,749                          | 11,127  | +93.5              |
| 1-family and 2-family dwellings with stores | 218                  | 381     | +74.8              | 1,010                          | 1,630   | +61.4              |
| Multifamily dwellings                       | 319                  | 1,461   | +358.0             | 18,938                         | 60,176  | +205.3             |
| Multifamily dwellings with stores           | 22                   | 62      | +181.8             | 508                            | 3,259   | +544.4             |
| Hotels                                      | 3                    | 12      | +300.0             | 160                            | 328     | +105.0             |
| Lodging houses                              | 8                    | 16      | +100.0             | 24                             | 72      | +195.9             |
| Other                                       | 49                   | 78      | +59.2              | 2,440                          | 3,681   | +50.5              |
| New nonresidential buildings                | 64,548               | 79,439  | +23.1              | 215,403                        | 316,730 | +47.0              |
| Amusement buildings                         | 609                  | 569     | -6.6               | 10,308                         | 12,561  | +21.8              |
| Churches                                    | 401                  | 486     | +21.2              | 5,712                          | 7,311   | +28.0              |
| Factories and workshops                     | 1,168                | 1,584   | +35.6              | 18,118                         | 32,325  | +78.4              |
| Public garages                              | 506                  | 567     | +12.1              | 3,421                          | 3,770   | +10.2              |
| Private garages                             | 37,707               | 50,527  | +34.0              | 9,047                          | 12,410  | +37.2              |
| Service stations                            | 3,002                | 3,642   | +21.3              | 9,487                          | 11,098  | +17.0              |
| Institutions                                | 125                  | 111     | -11.2              | 13,177                         | 21,122  | +60.3              |
| Office buildings                            | 164                  | 216     | +31.7              | 14,338                         | 8,480   | -41.2              |
| Public buildings                            | 351                  | 451     | +28.5              | 41,281                         | 77,005  | +86.5              |
| Public works and utilities                  | 394                  | 391     | -0.8               | 14,043                         | 26,534  | +81.2              |
| Schools and libraries                       | 453                  | 434     | -10.1              | 36,530                         | 55,244  | +51.2              |
| Sheds                                       | 12,436               | 12,039  | -3.2               | 3,479                          | 3,561   | +2.4               |
| Stables and barns                           | 683                  | 523     | -23.4              | 1,126                          | 586     | -47.9              |
| Stores and warehouses                       | 5,417                | 7,000   | +29.2              | 33,174                         | 42,909  | +29.3              |
| All other                                   | 1,100                | 899     | -18.3              | 1,560                          | 1,873   | +20.0              |
| Additions, alterations, and repairs         | 254,241              | 317,628 | +20.2              | 168,506                        | 228,547 | +35.6              |

## No. 830.—ESTIMATED COST OF BUILDING CONSTRUCTION, FAMILIES PROVIDED FOR, AND POPULATION FOR 257 IDENTICAL CITIES

NOTE.—The estimated cost of buildings is based upon building permits issued for new buildings and repairs to old buildings, but does not include data for installation permits (those for installing boilers, signs, etc.) which are not strictly building operations. These permits are rather numerous, but in value they are of small amount. Buildings authorized by permit are not always actually constructed, and the actual cost of those constructed may differ considerably from that originally estimated.

| Year | Estimated cost of buildings (thousands of dollars) |                            |                               |                                       | Popu-lation as esti-mated by the Census Bureau (thous-ands) | Families provided for |                                     |                                                  | Percentage of families provided for in— |                                   |                                      |
|------|----------------------------------------------------|----------------------------|-------------------------------|---------------------------------------|-------------------------------------------------------------|-----------------------|-------------------------------------|--------------------------------------------------|-----------------------------------------|-----------------------------------|--------------------------------------|
|      | Total building opera-tions                         | New resi-dential buildings | New nonresi-dential buildings | Addi-tions, altera-tions, and repairs |                                                             | Number                | Ratio to each 10,000 of popu-lation | Index num-ber adjusted to popu-lation (1921=100) | 1-fam-ily dwell-ings                    | 2-fam-ily dwell-ings <sup>1</sup> | Multifam-ily dwell-ings <sup>2</sup> |
| 1921 | 1,855,780                                          | 937,353                    | 636,775                       | 282,652                               | 36,575                                                      | 224,545               | 61.4                                | 100.0                                            | 58.3                                    | 17.3                              | 24.4                                 |
| 1922 | 2,785,940                                          | 1,612,353                  | 876,277                       | 297,311                               | 37,512                                                      | 377,305               | 100.0                               | 163.7                                            | 47.5                                    | 21.3                              | 31.2                                 |
| 1923 | 3,431,263                                          | 2,000,987                  | 1,070,597                     | 359,679                               | 38,448                                                      | 453,673               | 118.0                               | 192.2                                            | 45.8                                    | 21.2                              | 33.0                                 |
| 1924 | 3,508,267                                          | 2,070,277                  | 1,137,631                     | 300,359                               | 39,384                                                      | 442,919               | 112.5                               | 183.2                                            | 47.6                                    | 21.5                              | 30.9                                 |
| 1925 | 4,088,062                                          | 2,461,546                  | 1,343,881                     | 232,635                               | 40,321                                                      | 491,222               | 121.8                               | 198.4                                            | 46.0                                    | 17.5                              | 36.4                                 |
| 1926 | 3,826,927                                          | 2,255,995                  | 1,300,841                     | 270,062                               | 41,257                                                      | 462,214               | 112.0                               | 182.4                                            | 40.7                                    | 13.9                              | 45.4                                 |
| 1927 | 3,478,605                                          | 1,900,003                  | 1,231,786                     | 340,816                               | 42,059                                                      | 406,095               | 96.6                                | 167.3                                            | 38.3                                    | 13.4                              | 48.3                                 |
| 1928 | 3,304,700                                          | 1,859,430                  | 1,135,550                     | 309,720                               | 42,787                                                      | 388,678               | 90.9                                | 148.1                                            | 35.2                                    | 11.1                              | 53.7                                 |
| 1929 | 2,933,118                                          | 1,433,112                  | 1,140,958                     | 353,048                               | 43,665                                                      | 244,394               | 56.0                                | 91.1                                             | 40.2                                    | 11.4                              | 48.5                                 |
| 1930 | 1,099,676                                          | 601,270                    | 849,387                       | 249,019                               | 44,850                                                      | 125,322               | 27.9                                | 45.5                                             | 45.7                                    | 12.1                              | 42.2                                 |
| 1931 | 1,237,985                                          | 426,270                    | 602,830                       | 188,885                               | 45,896                                                      | 98,178                | 21.4                                | 34.8                                             | 49.2                                    | 11.5                              | 39.3                                 |
| 1932 | 481,490                                            | 103,452                    | 275,789                       | 102,249                               | 46,648                                                      | 27,581                | 5.9                                 | 9.6                                              | 71.3                                    | 12.4                              | 16.3                                 |
| 1933 | 382,389                                            | 91,298                     | 183,066                       | 108,025                               | 47,412                                                      | 25,879                | 5.5                                 | 8.9                                              | 55.8                                    | 8.2                               | 36.0                                 |
| 1934 | 376,086                                            | 78,371                     | 164,627                       | 135,688                               | (4)                                                         | 22,063                | 4.7                                 | 7.6                                              | 60.7                                    | 6.6                               | 32.7                                 |
| 1935 | 656,213                                            | 211,988                    | 260,093                       | 183,132                               | (4)                                                         | 55,810                | 11.8                                | 19.2                                             | 55.6                                    | 5.4                               | 39.0                                 |

<sup>1</sup> Includes 1-family and 2-family dwellings with stores.<sup>2</sup> Actual enumeration.<sup>3</sup> No estimate made.<sup>4</sup> Includes multifamily dwellings with stores.<sup>5</sup> Based upon 1933 population.

Source of Tables 829 and 830: Bureau of Labor Statistics, Department of Labor.

**No. 831. CONSTRUCTION, AND PROFESSIONAL, TECHNICAL, AND CLERICAL PROJECTS FINANCED FROM FEDERAL FUNDS: VALUE OF CONTRACTS AWARDED AND FORCE-ACCOUNT PROJECTS STARTED**

NOTE.—In thousands of dollars. In the case of Federal projects financed from Public Works Administration funds the entire amount is allotted to Federal departments or agencies. The work is performed by commercial firms under contracts or, if a force-account project (no contract let), by day labor hired directly by the Federal agencies. In the case of allotments to States and local governments for non-Federal projects the Public Works Administration makes a direct grant of not more than 30 percent of the total labor and material cost on projects financed from funds appropriated under the National Industrial Recovery Act and not more than 45 percent of the total labor and material cost on projects financed by funds provided under the E. R. A. A. of 1935. The public agency finances the other 70 or 55 percent, in some cases through loans at interest from the Public Works Administration. Commercial allotments are in the form of loans and for the most part have been made to railroads.

| Year and Federal fund                              | All types of construction | Building                         | Electrification | Forestry                         | Naval vessels                  | Plant, crop, and livestock control <sup>1</sup> | Professional, technical, and clerical projects <sup>1</sup> | Grade crossing elimination (public roads) <sup>2</sup> |
|----------------------------------------------------|---------------------------|----------------------------------|-----------------|----------------------------------|--------------------------------|-------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------|
| <b>Total:</b>                                      |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
| 1933 (June-December).....                          | 702, 682                  | 75, 085                          | -----           | 10, 472                          | 191, 875                       | -----                                           | -----                                                       | -----                                                  |
| 1934.....                                          | 1, 305, 776               | 245, 755                         | -----           | 4, 197                           | 152, 951                       | -----                                           | -----                                                       | -----                                                  |
| 1935.....                                          | <sup>1</sup> 1, 647, 153  | <sup>3</sup> 445, 726            | 5, 527          | 15, 285                          | 123, 409                       | 19, 625                                         | 16, 500                                                     | 23, 981                                                |
| <b>The Works Program:<sup>4</sup></b>              |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
| 1935 (July-December).....                          | 444, 585                  | 39, 428                          | 3, 254          | 13, 858                          | -----                          | 19, 625                                         | 16, 500                                                     | 23, 981                                                |
| Regular governmental appropriations:               |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
| 1934 (July-December).....                          | 147, 464                  | 15, 358                          | -----           | 2                                | 114, 151                       | -----                                           | -----                                                       | -----                                                  |
| 1935.....                                          | 297, 751                  | 43, 828                          | 818             | 1                                | 107, 182                       | -----                                           | -----                                                       | -----                                                  |
| <b>Public Works Administration:</b>                |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
| <b>Federal:</b>                                    |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
| 1933 (June-December).....                          | 642, 101                  | 50, 605                          | -----           | 10, 472                          | 191, 875                       | -----                                           | -----                                                       | -----                                                  |
| 1934.....                                          | 641, 193                  | 60, 032                          | -----           | 4, 196                           | 38, 800                        | -----                                           | -----                                                       | -----                                                  |
| 1935.....                                          | 373, 559                  | 56, 094                          | -----           | 1, 407                           | 16, 247                        | -----                                           | -----                                                       | -----                                                  |
| <b>Non-Federal:</b>                                |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
| <b>National Industrial Recovery Act:</b>           |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
| 1933 (June-December).....                          | 60, 581                   | 24, 480                          | -----           | -----                            | -----                          | -----                                           | -----                                                       | -----                                                  |
| 1934.....                                          | 517, 120                  | 170, 335                         | -----           | -----                            | -----                          | -----                                           | -----                                                       | -----                                                  |
| 1935.....                                          | 301, 465                  | 143, 362                         | -----           | -----                            | -----                          | -----                                           | -----                                                       | -----                                                  |
| <b>Emergency Relief Appropriation Act of 1935:</b> |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
| 1935 (July-December).....                          | <sup>3</sup> 229, 793     | <sup>3</sup> 155, 212            | 1, 455          | -----                            | -----                          | -----                                           | -----                                                       | -----                                                  |
|                                                    |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
|                                                    | Public roads <sup>1</sup> | Railroad construction and repair | Reclamation     | River, harbor, and flood control | Streets and roads <sup>5</sup> | Water and sewerage systems                      | Miscellaneous                                               |                                                        |
| <b>Total:</b>                                      |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
| 1933 (June-December).....                          | 181, 876                  | -----                            | 57, 975         | 117, 599                         | 28, 474                        | 28, 194                                         | 13, 132                                                     |                                                        |
| 1934.....                                          | 271, 923                  | 190, 177                         | 92, 093         | 141, 386                         | 65, 692                        | 100, 875                                        | 40, 927                                                     |                                                        |
| 1935.....                                          | 283, 312                  | 14, 671                          | 169, 104        | 281, 501                         | 74, 600                        | 135, 805                                        | 38, 127                                                     |                                                        |
| <b>The Works Program:<sup>4</sup></b>              |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
| 1935 (July-December).....                          | 57, 470                   | -----                            | 118, 264        | 185, 185                         | 7, 806                         | 766                                             | 8, 467                                                      |                                                        |
| Regular governmental appropriations:               |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
| 1934 (July-December).....                          | 6, 968                    | -----                            | 964             | 7, 987                           | 795                            | 319                                             | 880                                                         |                                                        |
| 1935.....                                          | 93, 376                   | -----                            | 2, 656          | 40, 821                          | 4, 722                         | 270                                             | 4, 298                                                      |                                                        |
| <b>Public Works Administration:</b>                |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
| <b>Federal:</b>                                    |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
| 1933 (June-December).....                          | 181, 876                  | -----                            | 57, 975         | 117, 599                         | 17, 704                        | 1, 979                                          | 12, 016                                                     |                                                        |
| 1934.....                                          | 264, 955                  | -----                            | 91, 129         | 133, 399                         | 14, 654                        | 3, 091                                          | 80, 338                                                     |                                                        |
| 1935.....                                          | 132, 466                  | -----                            | 46, 456         | 104, 488                         | 6, 180                         | 351                                             | 6, 871                                                      |                                                        |
| <b>Non-Federal:</b>                                |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
| <b>National Industrial Recovery Act:</b>           |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
| 1933 (June-December).....                          | -----                     | -----                            | -----           | -----                            | 8, 770                         | 26, 215                                         | 1, 117                                                      |                                                        |
| 1934.....                                          | -----                     | 190, 177                         | -----           | -----                            | 50, 243                        | 96, 655                                         | 9, 709                                                      |                                                        |
| 1935.....                                          | -----                     | 14, 671                          | -----           | -----                            | 37, 380                        | 83, 674                                         | 17, 378                                                     |                                                        |
| <b>Emergency Relief Appropriation Act of 1935:</b> |                           |                                  |                 |                                  |                                |                                                 |                                                             |                                                        |
| 1935 (July-December).....                          | -----                     | -----                            | 1, 738          | 1, 008                           | 18, 513                        | 60, 764                                         | 1, 113                                                      |                                                        |

<sup>1</sup> Data are not wholly for construction projects.

<sup>2</sup> Reported by the Bureau of Public Roads.

<sup>3</sup> Includes \$7,831,811 low-cost housing projects (Housing Division, P. W. A.).

<sup>4</sup> Includes data for that part of the Works Program administered by Federal agencies.

<sup>5</sup> Except those reported by the Bureau of Public Roads. See note 2 above.

# No. 832.—INDEX NUMBERS OF BUILDING-MATERIAL PRICES AND CONSTRUCTION COSTS

[Monthly average, 1923-1925=100]

| Year      | Wholesale price indexes <sup>1</sup> |        |                             |                              |                               |                                        |                          | Construction costs <sup>2</sup> | Factory building costs |
|-----------|--------------------------------------|--------|-----------------------------|------------------------------|-------------------------------|----------------------------------------|--------------------------|---------------------------------|------------------------|
|           | All building materials               | Lumber | Brick and tile <sup>3</sup> | Portland cement <sup>4</sup> | Structural steel <sup>4</sup> | Paint and paint materials <sup>5</sup> | Other building materials |                                 |                        |
| 1913..... | 54.4                                 | 52.0   | 38.0                        | 56.5                         | 68.0                          | 49.1                                   | 61.1                     | 47.1                            | -----                  |
| 1914..... | 50.6                                 | 48.0   | 37.9                        | 52.2                         | 52.9                          | 49.0                                   | 57.8                     | 41.8                            | 50.5                   |
| 1915..... | 51.3                                 | 46.9   | 38.2                        | 48.4                         | 57.6                          | 53.0                                   | 63.0                     | 43.7                            | -----                  |
| 1916..... | 64.9                                 | 53.0   | 41.4                        | 62.0                         | 113.7                         | 74.6                                   | 85.0                     | 69.5                            | -----                  |
| 1917..... | 84.6                                 | 69.5   | 49.0                        | 76.2                         | 168.3                         | 92.2                                   | 110.4                    | 85.4                            | -----                  |
| 1918..... | 94.6                                 | 80.4   | 65.1                        | 89.8                         | 135.1                         | 117.9                                  | 117.1                    | 89.2                            | -----                  |
| 1919..... | 110.9                                | 108.8  | 89.7                        | 97.1                         | 113.5                         | 135.7                                  | 113.1                    | 93.5                            | -----                  |
| 1920..... | 144.0                                | 159.0  | 115.6                       | 111.2                        | 127.3                         | 143.2                                  | 130.7                    | 118.5                           | -----                  |
| 1921..... | 93.5                                 | 85.6   | 103.2                       | 105.1                        | 92.1                          | 81.1                                   | 107.6                    | 95.1                            | 90.1                   |
| 1922..... | 93.4                                 | 95.4   | 97.1                        | 98.2                         | 78.0                          | 90.7                                   | 92.3                     | 82.3                            | 85.9                   |
| 1923..... | 104.3                                | 107.0  | 101.2                       | 102.4                        | 109.1                         | 98.0                                   | 102.1                    | 100.9                           | 101.9                  |
| 1924..... | 98.2                                 | 95.6   | 101.0                       | 100.3                        | 100.7                         | 96.4                                   | 100.7                    | 101.6                           | 100.1                  |
| 1925..... | 97.6                                 | 96.8   | 97.8                        | 97.3                         | 90.1                          | 105.7                                  | 97.2                     | 97.5                            | 98.1                   |
| 1926..... | 96.0                                 | 90.2   | 97.7                        | 94.9                         | 88.2                          | 96.7                                   | 96.8                     | 98.1                            | 99.5                   |
| 1927..... | 90.9                                 | 89.6   | 93.5                        | 91.7                         | 83.5                          | 93.1                                   | 92.4                     | 97.3                            | 97.2                   |
| 1928..... | 90.3                                 | 87.1   | 93.4                        | 81.0                         | 84.0                          | 90.0                                   | 93.6                     | 97.5                            | 96.4                   |
| 1929..... | 91.6                                 | 90.3   | 92.1                        | 87.1                         | 88.5                          | 91.8                                   | 94.6                     | 97.6                            | 95.9                   |
| 1930..... | 88.3                                 | 82.6   | 87.7                        | 87.1                         | 77.0                          | 87.5                                   | 90.3                     | 95.7                            | 94.3                   |
| 1931..... | 76.0                                 | 66.9   | 81.6                        | 75.3                         | 73.3                          | 76.8                                   | 82.1                     | 85.5                            | 88.8                   |
| 1932..... | 68.5                                 | 56.3   | 75.5                        | 73.2                         | 71.3                          | 68.8                                   | 77.0                     | 74.0                            | 84.8                   |
| 1933..... | 73.9                                 | 68.0   | 77.3                        | 81.7                         | 73.3                          | 70.9                                   | 80.1                     | 80.3                            | 85.8                   |
| 1934..... | 82.7                                 | 81.3   | 88.1                        | 88.4                         | 80.1                          | 76.9                                   | 87.4                     | 93.4                            | 80.3                   |
| 1935..... | 81.9                                 | 78.1   | 87.3                        | 90.4                         | 81.1                          | 77.2                                   | 87.2                     | 92.0                            | 79.3                   |

<sup>1</sup> Beginning 1926 the indexes, except for Portland cement and structural steel, have been revised to include additional items not previously included; the "All building materials" index also includes plumbing and heating equipment (not shown separately in this table) for which data are not available prior to 1926.

<sup>2</sup> Excludes tile prior to 1926.

<sup>3</sup> Composite price.

<sup>4</sup> Pittsburgh district.

<sup>5</sup> Excludes paint prior to 1926.

<sup>6</sup> Based upon the cost of lumber, steel, cement, and the rates paid common labor.

<sup>7</sup> Average of March, June, September, and December.

Sources: Wholesale prices, Department of Labor; Construction costs, Engineering News-Record; Standard factory building costs, Aberthaw Construction Co.

## No. 833.—RESIDENTIAL STRUCTURES IN 64 CITIES: SELECTED STATISTICS FROM THE REAL PROPERTY INVENTORY, 1934

NOTE.—The cities included in the real-property inventory were selected from every State in the Union as a representative sample of urban housing in the United States. The cities chosen vary in size from a population of 11,000 to more than 1,000,000. The total population of the areas canvassed constituted about one-seventh of the total urban population of the United States. The survey covered all buildings with residential units except hotels, clubs, rooming houses, and summer cottages. Data for the individual cities included in this summary are shown in table 815 of the 1935 issue of the Statistical Abstract

| Item                     | Number      | Percent | Item                        | Number      | Percent | Item                              | Number      | Percent |
|--------------------------|-------------|---------|-----------------------------|-------------|---------|-----------------------------------|-------------|---------|
| Persons inventoried..... | 9, 074, 793 | 100.0   | Dwelling units by type..... | 2, 653, 135 | 100.0   | Owner-occupied.....               | 1, 035, 927 | 39.3    |
| Families.....            | 2, 612, 107 | 100.0   | Single family.....          | 1, 536, 806 | 58.4    | Owned free.....                   | 390, 537    | 37.7    |
| Structures by type.....  | 1, 931, 055 | 100.0   | 2-family.....               | 501, 340    | 19.0    | Mortgaged.....                    | 498, 382    | 48.1    |
| Single-family.....       | 1, 536, 806 | 79.8    | 3-family.....               | 79, 302     | 3.0     | Not reported.....                 | 147, 008    | 14.2    |
| 2-family.....            | 250, 870    | 13.0    | 4-family.....               | 86, 076     | 3.3     | Rental units.....                 | 1, 597, 208 | 60.7    |
| 3-family.....            | 26, 434     | 1.4     | Row house.....              | 34, 218     | 1.3     | Under \$15.....                   | 540, 852    | 33.9    |
| 4-family.....            | 21, 669     | 1.1     | Apartment.....              | 246, 946    | 9.4     | \$15 to \$30.....                 | 667, 695    | 43.7    |
| Row house.....           | 7, 051      | 0.4     | Other.....                  | 147, 847    | 5.6     | \$30 and over.....                | 358, 661    | 22.5    |
| Apartment.....           | 22, 053     | 1.1     | Occupied.....               | 2, 428, 907 | 92.2    | Dwelling units equipped with..... |             |         |
| Other.....               | 66, 372     | 3.4     | Very spacious.....          | 703, 635    | 28.0    | Furnace or boiler.....            | 1, 141, 142 | 43.3    |
| Condition of structure:  |             |         | Spacious.....               | 655, 106    | 27.0    | Mechanical refrigeration.....     | 447, 135    | 17.0    |
| Good.....                | 726, 245    | 37.6    | Adequate.....               | 651, 840    | 26.8    | Gas for cooking.....              | 1, 828, 463 | 69.4    |
| Minor repairs.....       | 857, 326    | 44.4    | Crowded.....                | 379, 434    | 15.6    | Electricity for lighting.....     | 2, 355, 880 | 90.6    |
| Major repairs.....       | 301, 740    | 15.6    | Over-crowded.....           | 29, 283     | 1.2     | Tub and/or shower.....            | 2, 627, 849 | 99.8    |
| Unit for use.....        | 43, 901     | 2.3     | Greatly over-crowded.....   | 8, 120      | .3      |                                   |             |         |
| Not reported.....        | 1, 843      | .1      | Not reported.....           | 3, 489      | .1      |                                   |             |         |
|                          |             |         | Vacant.....                 | 204, 228    | 7.8     |                                   |             |         |

Source: Bureau of Foreign and Domestic Commerce, Department of Commerce.

# No. 834.—CONSTRUCTION ESTABLISHMENTS WHICH DID A BUSINESS OF OVER \$25,000 DURING 1929: VALUE OF BUSINESS AND PRINCIPAL EXPENDITURES BY STATES

NOTE.—The construction business of 113,799 active reporting establishments which did a business of less than \$25,000 during 1929 amounted to \$1,036,454,000 (figure partially estimated)

| Division and State   | Number of establishments | Value of construction business<br>(1,000 dollars) |                                              |                   | Principal expenditures<br>(1,000 dollars) |            |                   | Projected average number of workmen employed throughout the year <sup>1</sup> |
|----------------------|--------------------------|---------------------------------------------------|----------------------------------------------|-------------------|-------------------------------------------|------------|-------------------|-------------------------------------------------------------------------------|
|                      |                          | Total                                             | Under general contract or directly for owner | Under subcontract | Subcontract work let                      | Wages paid | Cost of materials |                                                                               |
| Continental U. S.    | 30,597                   | 6,250,287                                         | 4,911,786                                    | 1,338,501         | 1,456,494                                 | 1,467,542  | 2,056,595         | 828,772                                                                       |
| New England          | 2,780                    | 474,849                                           | 382,224                                      | 82,625            | 104,867                                   | 130,860    | 144,376           | 78,479                                                                        |
| Maine                | 142                      | 13,100                                            | 11,408                                       | 1,692             | 1,607                                     | 4,513      | 4,185             | 2,843                                                                         |
| New Hampshire        | 113                      | 9,992                                             | 7,972                                        | 2,020             | 887                                       | 3,106      | 4,091             | 2,080                                                                         |
| Vermont              | 61                       | 5,878                                             | 4,965                                        | 923               | 266                                       | 1,898      | 2,611             | 1,243                                                                         |
| Massachusetts        | 1,434                    | 306,094                                           | 255,229                                      | 50,865            | 76,316                                    | 81,454     | 88,448            | 45,086                                                                        |
| Rhode Island         | 226                      | 30,675                                            | 25,317                                       | 5,358             | 8,566                                     | 8,566      | 9,958             | 4,997                                                                         |
| Connecticut          | 804                      | 109,110                                           | 87,343                                       | 21,767            | 20,328                                    | 31,111     | 35,083            | 17,230                                                                        |
| Middle Atlantic      | 8,548                    | 2,219,827                                         | 1,709,448                                    | 510,379           | 610,855                                   | 519,448    | 658,851           | 250,447                                                                       |
| New York             | 4,372                    | 1,323,724                                         | 993,098                                      | 330,628           | 385,625                                   | 318,537    | 383,751           | 139,508                                                                       |
| New Jersey           | 1,483                    | 292,175                                           | 238,500                                      | 53,675            | 57,114                                    | 66,005     | 110,025           | 35,016                                                                        |
| Pennsylvania         | 2,691                    | 603,928                                           | 477,861                                      | 126,078           | 169,116                                   | 134,906    | 155,075           | 77,921                                                                        |
| East North Central   | 7,984                    | 1,688,591                                         | 1,302,108                                    | 386,483           | 343,927                                   | 374,717    | 642,728           | 202,182                                                                       |
| Ohio                 | 2,043                    | 400,298                                           | 317,307                                      | 82,991            | 80,779                                    | 90,566     | 144,788           | 53,679                                                                        |
| Indiana              | 746                      | 104,623                                           | 87,834                                       | 16,789            | 17,863                                    | 25,462     | 40,614            | 16,004                                                                        |
| Illinois             | 2,497                    | 689,011                                           | 440,190                                      | 148,821           | 134,487                                   | 161,494    | 186,280           | 72,344                                                                        |
| Michigan             | 1,501                    | 326,380                                           | 242,419                                      | 86,961            | 76,387                                    | 78,578     | 115,431           | 39,052                                                                        |
| Wisconsin            | 1,147                    | 145,279                                           | 114,367                                      | 30,921            | 25,411                                    | 33,588     | 55,681            | 21,043                                                                        |
| West North Central   | 2,490                    | 438,590                                           | 369,185                                      | 69,406            | 71,046                                    | 104,914    | 180,143           | 72,716                                                                        |
| Minnesota            | 561                      | 105,798                                           | 88,829                                       | 16,969            | 17,687                                    | 25,739     | 35,259            | 17,081                                                                        |
| Iowa                 | 486                      | 76,782                                            | 70,717                                       | 6,065             | 8,122                                     | 18,795     | 30,042            | 12,705                                                                        |
| Missouri             | 769                      | 162,664                                           | 120,419                                      | 32,245            | 32,368                                    | 36,966     | 52,422            | 24,708                                                                        |
| North Dakota         | 81                       | 8,388                                             | 7,348                                        | 1,040             | 960                                       | 1,817      | 3,557             | 1,077                                                                         |
| South Dakota         | 70                       | 8,364                                             | 7,583                                        | 781               | 773                                       | 1,894      | 2,958             | 1,582                                                                         |
| Nebraska             | 243                      | 45,345                                            | 39,543                                       | 5,802             | 5,031                                     | 10,451     | 18,631            | 8,321                                                                         |
| Kansas               | 200                      | 41,249                                            | 34,745                                       | 6,504             | 6,105                                     | 9,223      | 17,274            | 7,144                                                                         |
| South Atlantic       | 2,184                    | 439,732                                           | 347,907                                      | 91,825            | 101,494                                   | 95,666     | 152,138           | 72,824                                                                        |
| Delaware             | 91                       | 18,696                                            | 14,063                                       | 4,633             | 3,907                                     | 4,050      | 6,702             | 2,412                                                                         |
| Maryland             | 407                      | 108,075                                           | 81,048                                       | 27,027            | 26,494                                    | 23,494     | 33,890            | 15,348                                                                        |
| District of Columbia | 258                      | 60,201                                            | 49,781                                       | 10,420            | 26,355                                    | 13,486     | 15,501            | 8,526                                                                         |
| Virginia             | 337                      | 54,313                                            | 42,710                                       | 11,603            | 12,631                                    | 12,443     | 19,604            | 9,606                                                                         |
| West Virginia        | 169                      | 23,375                                            | 20,438                                       | 2,936             | 3,322                                     | 6,086      | 7,946             | 4,351                                                                         |
| North Carolina       | 293                      | 54,786                                            | 46,043                                       | 8,743             | 6,986                                     | 12,032     | 24,767            | 9,523                                                                         |
| South Carolina       | 116                      | 16,622                                            | 13,617                                       | 3,005             | 1,789                                     | 3,797      | 8,161             | 3,647                                                                         |
| Georgia              | 230                      | 57,077                                            | 45,840                                       | 11,237            | 10,587                                    | 11,293     | 23,624            | 11,573                                                                        |
| Florida              | 288                      | 40,587                                            | 34,366                                       | 6,220             | 8,372                                     | 3,963      | 12,435            | 7,534                                                                         |
| East South Central   | 988                      | 184,952                                           | 130,341                                      | 34,611            | 27,852                                    | 85,474     | 62,133            | 28,355                                                                        |
| Kentucky             | 330                      | 43,319                                            | 32,966                                       | 10,355            | 8,998                                     | 9,394      | 13,872            | 7,252                                                                         |
| Tennessee            | 314                      | 62,526                                            | 45,794                                       | 17,032            | 9,761                                     | 13,340     | 23,706            | 10,807                                                                        |
| Alabama              | 197                      | 46,859                                            | 40,630                                       | 5,229             | 7,018                                     | 9,813      | 19,380            | 8,934                                                                         |
| Mississippi          | 95                       | 12,948                                            | 10,953                                       | 1,995             | 2,075                                     | 2,918      | 5,177             | 2,362                                                                         |
| West South Central   | 1,609                    | 307,705                                           | 259,633                                      | 48,071            | 50,855                                    | 69,823     | 118,865           | 47,596                                                                        |
| Arkansas             | 118                      | 17,022                                            | 15,135                                       | 1,883             | 2,465                                     | 3,915      | 7,150             | 2,320                                                                         |
| Louisiana            | 178                      | 34,945                                            | 29,436                                       | 5,467             | 6,344                                     | 7,607      | 11,733            | 6,332                                                                         |
| Oklahoma             | 312                      | 55,298                                            | 48,723                                       | 7,575             | 7,086                                     | 13,028     | 22,225            | 8,976                                                                         |
| Texas                | 1,001                    | 199,442                                           | 166,289                                      | 33,153            | 34,960                                    | 45,373     | 77,250            | 29,066                                                                        |
| Mountain             | 709                      | 90,105                                            | 73,189                                       | 16,918            | 15,302                                    | 21,247     | 29,218            | 13,189                                                                        |
| Montana              | 119                      | 11,423                                            | 9,520                                        | 1,903             | 1,215                                     | 2,958      | 4,551             | 1,608                                                                         |
| Idaho                | 44                       | 7,120                                             | 6,570                                        | 551               | 852                                       | 2,207      | 1,168             | 1,782                                                                         |
| Wyoming              | 40                       | 3,061                                             | 2,707                                        | 354               | 295                                       | 848        | 984               | 439                                                                           |
| Colorado             | 211                      | 28,016                                            | 22,098                                       | 5,918             | 4,978                                     | 6,440      | 10,009            | 4,127                                                                         |
| New Mexico           | 41                       | 6,568                                             | 6,010                                        | 562               | 819                                       | 1,412      | 2,030             | 802                                                                           |
| Arizona              | 105                      | 12,932                                            | 9,408                                        | 3,464             | 2,610                                     | 2,595      | 4,969             | 1,616                                                                         |
| Utah                 | 129                      | 17,350                                            | 13,570                                       | 3,780             | 4,451                                     | 4,041      | 4,717             | 2,470                                                                         |
| Nevada               | 20                       | 3,639                                             | 3,245                                        | 394               | 683                                       | 747        | 790               | 265                                                                           |
| Pacific              | 3,409                    | 545,915                                           | 427,730                                      | 118,185           | 128,906                                   | 115,804    | 197,653           | 67,064                                                                        |
| Washington           | 404                      | 65,728                                            | 50,950                                       | 9,778             | 11,466                                    | 16,622     | 25,616            | 9,274                                                                         |
| Oregon               | 249                      | 30,870                                            | 25,526                                       | 5,343             | 4,556                                     | 7,935      | 10,915            | 4,724                                                                         |
| California           | 2,756                    | 448,817                                           | 345,253                                      | 103,064           | 112,836                                   | 91,048     | 151,122           | 53,066                                                                        |

<sup>1</sup> The average number of workmen reported as employed on the fifteenth of each month (or nearest representative day), including estimates for a considerable number of establishments which failed to report the number of workmen employed. Salaried employees are not included.

Source: Bureau of the Census, Department of Commerce.

No. 835.—VALUE OF BUSINESS AND PRINCIPAL EXPENDITURES OF CONSTRUCTION ESTABLISHMENTS WHICH DID A BUSINESS OF OVER \$25,000 DURING 1929: BY CLASS OF ESTABLISHMENTS, CONTINENTAL UNITED STATES

[All money figures in thousands of dollars]

| Classification of establishment             | Number of establishments | Value of construction business |                                            |                   | Principal expenditures |            |                   | Projected average number of workmen employed throughout the year <sup>1</sup> |
|---------------------------------------------|--------------------------|--------------------------------|--------------------------------------------|-------------------|------------------------|------------|-------------------|-------------------------------------------------------------------------------|
|                                             |                          | Total                          | Under general contract or direct for owner | Under subcontract | Subcontract work let   | Wages paid | Cost of materials |                                                                               |
| All classes.....                            | 30,597                   | 8,250,267                      | 4,911,766                                  | 1,339,501         | 1,455,494              | 1,487,542  | 2,055,595         | 828,772                                                                       |
| Operative builders.....                     | 750                      | 153,524                        | 153,519                                    | 5                 | 103,142                | 13,148     | 22,802            | 7,418                                                                         |
| General contractors.....                    | 14,768                   | 4,217,387                      | 4,171,888                                  | 45,490            | 1,290,873              | 814,112    | 1,188,687         | 556,179                                                                       |
| Building.....                               | 10,131                   | 2,622,047                      | 2,611,366                                  | 10,681            | 1,124,702              | 502,676    | 652,167           | 286,963                                                                       |
| Building not specialized.....               | 7,062                    | 2,149,941                      | 2,139,919                                  | 10,022            | 919,417                | 424,776    | 527,438           | 245,042                                                                       |
| Commercial only.....                        | 539                      | 132,627                        | 132,473                                    | 154               | 67,126                 | 23,702     | 25,284            | 11,777                                                                        |
| Manufacturing only.....                     | 75                       | 93,828                         | 93,815                                     | 13                | 32,185                 | 12,463     | 34,680            | 7,865                                                                         |
| Residential only.....                       | 2,455                    | 245,651                        | 245,159                                    | 492               | 105,974                | 41,730     | 64,866            | 23,277                                                                        |
| Highway.....                                | 1,514                    | 443,064                        | 436,443                                    | 6,621             | 43,789                 | 102,294    | 165,341           | 78,733                                                                        |
| Bridge and culvert.....                     | 475                      | 137,206                        | 129,086                                    | 8,120             | 11,893                 | 35,596     | 55,658            | 23,761                                                                        |
| Grading.....                                | 396                      | 47,733                         | 45,897                                     | 1,836             | 4,400                  | 15,399     | 3,532             | 11,213                                                                        |
| Street paving.....                          | 984                      | 282,760                        | 276,319                                    | 6,441             | 25,280                 | 61,282     | 109,106           | 42,778                                                                        |
| Sewer, gas, water, conduit.....             | 494                      | 115,153                        | 113,352                                    | 1,801             | 5,959                  | 30,056     | 41,011            | 22,688                                                                        |
| Dam and reservoir.....                      | 87                       | 28,493                         | 28,003                                     | 480               | 2,351                  | 8,280      | 8,229             | 4,023                                                                         |
| Waterworks.....                             | 105                      | 44,210                         | 43,510                                     | 700               | 2,684                  | 11,601     | 17,857            | 7,086                                                                         |
| Dredging, river, harbor, etc.....           | 193                      | 104,463                        | 100,856                                    | 3,607             | 7,719                  | 28,423     | 20,732            | 19,808                                                                        |
| Levee.....                                  | 34                       | 5,631                          | 5,519                                      | 112               | 631                    | 1,490      | 392               | 1,185                                                                         |
| Railroad.....                               | 137                      | 105,302                        | 103,026                                    | 2,276             | 12,815                 | 34,840     | 24,177            | 24,432                                                                        |
| Foundation.....                             | 56                       | 8,282                          | 8,057                                      | 225               | 988                    | 2,475      | 2,696             | 1,367                                                                         |
| Central station, light and power plant..... | 88                       | 158,160                        | 157,667                                    | 493               | 35,463                 | 37,491     | 55,678            | 21,954                                                                        |
| Air transport work.....                     | 7                        | 2,416                          | 2,317                                      | 99                | 250                    | 860        | 690               | 555                                                                           |
| Refuse disposal plant.....                  | 7                        | 1,721                          | 1,721                                      | -----             | 193                    | 527        | 446               | 240                                                                           |
| Oil and natural gas pipe line.....          | 22                       | 29,507                         | 29,493                                     | 14                | 2,837                  | 9,370      | 8,178             | 5,312                                                                         |
| Subway (other than buildings).....          | 24                       | 71,818                         | 69,888                                     | 1,930             | 5,782                  | 22,451     | 21,013            | 10,923                                                                        |
| Vehicular subway and tunnel.....            | 3                        | 3,772                          | 3,772                                      | -----             | 3,025                  | 130        | 183               | 75                                                                            |
| Telephone line and system.....              | 9                        | 5,158                          | 5,114                                      | 44                | 102                    | 1,805      | 1,436             | 1,152                                                                         |
| Miscellaneous, n. e. s.....                 | 2                        | 481                            | 481                                        | -----             | 65                     | 67         | 206               | 42                                                                            |
| Subcontractors.....                         | 16,081                   | 1,879,376                      | 598,361                                    | 1,293,015         | 61,474                 | 540,284    | 844,308           | 256,175                                                                       |
| Carpentering and wood flooring.....         | 382                      | 36,811                         | 10,359                                     | 26,252            | 2,600                  | 11,160     | 14,829            | 4,898                                                                         |
| Concreting.....                             | 477                      | 66,312                         | 13,716                                     | 52,896            | 2,493                  | 23,740     | 23,117            | 13,766                                                                        |
| Electrical.....                             | 1,928                    | 198,487                        | 78,531                                     | 119,356           | 1,509                  | 61,633     | 67,768            | 26,380                                                                        |
| Elevator construction.....                  | 129                      | 37,376                         | 12,486                                     | 64,907            | 1,737                  | 13,048     | 50,697            | 5,395                                                                         |
| Heating and plumbing.....                   | 5,583                    | 611,889                        | 237,752                                    | 374,104           | 18,298                 | 148,002    | 316,123           | 72,246                                                                        |
| Heating and piping.....                     | 1,423                    | 221,996                        | 93,087                                     | 128,909           | 11,291                 | 48,616     | 116,004           | 23,761                                                                        |
| Plumbing.....                               | 2,808                    | 256,834                        | 80,209                                     | 176,625           | 4,332                  | 66,393     | 135,909           | 31,444                                                                        |
| Plumbing and heating combined.....          | 1,218                    | 93,738                         | 44,687                                     | 49,801            | 1,947                  | 22,922     | 48,754            | 11,627                                                                        |
| Miscellaneous.....                          | 134                      | 39,319                         | 19,549                                     | 19,770            | 728                    | 10,672     | 18,787            | 5,214                                                                         |
| Masonry.....                                | 673                      | 85,023                         | 24,508                                     | 60,515            | 2,634                  | 32,749     | 34,191            | 16,045                                                                        |
| Painting and decorating.....                | 1,102                    | 83,899                         | 26,858                                     | 57,041            | 926                    | 43,504     | 17,623            | 19,509                                                                        |
| Glass and glazing.....                      | 154                      | 16,653                         | 2,660                                      | 13,993            | 286                    | 3,093      | 8,888             | 1,384                                                                         |
| Plastering and lathing.....                 | 623                      | 83,313                         | 6,684                                      | 76,326            | 4,633                  | 42,712     | 21,749            | 16,675                                                                        |
| Roofing and sheet metal work.....           | 1,697                    | 145,095                        | 39,338                                     | 105,707           | 2,379                  | 37,302     | 40,118            | 21,029                                                                        |
| Steel erection.....                         | 300                      | 135,716                        | 56,814                                     | 78,802            | 10,498                 | 25,285     | 71,285            | 11,661                                                                        |
| Stone work.....                             | 172                      | 27,085                         | 2,813                                      | 24,172            | 1,196                  | 9,265      | 9,685             | 4,169                                                                         |
| Marble and tiling.....                      | 851                      | 112,950                        | 14,417                                     | 98,533            | 1,372                  | 34,213     | 50,628            | 16,233                                                                        |
| Wrecking.....                               | 44                       | 3,816                          | 152                                        | 3,664             | 50                     | 2,045      | 26                | 920                                                                           |
| Excavating.....                             | 293                      | 39,813                         | 7,049                                      | 32,764            | 2,668                  | 14,269     | 2,025             | 8,221                                                                         |
| Ornamental iron.....                        | 227                      | 36,077                         | 2,396                                      | 33,681            | 1,256                  | 6,696      | 17,511            | 2,666                                                                         |
| Highway.....                                | 26                       | 4,174                          | 3,379                                      | 3,795             | 85                     | 974        | 1,643             | 605                                                                           |
| Bridge and culvert.....                     | 14                       | 1,496                          | 1,286                                      | 88                | 88                     | 514        | 513               | 464                                                                           |
| Grading.....                                | 59                       | 5,636                          | 1,094                                      | 4,542             | 285                    | 2,014      | 234               | 1,533                                                                         |
| Street paving.....                          | 18                       | 3,324                          | 1,470                                      | 2,845             | 31                     | 987        | 1,212             | 566                                                                           |
| Sewer, gas, water, conduit.....             | 14                       | 5,480                          | 4,147                                      | 1,333             | 25                     | 2,085      | 1,724             | 1,290                                                                         |
| Dam, reservoir, and waterworks.....         | 4                        | 334                            | 88                                         | 246               | 2                      | 92         | 182               | 58                                                                            |
| Dredging, river, harbor, etc.....           | 13                       | 2,346                          | 787                                        | 1,559             | 10                     | 664        | 731               | 381                                                                           |
| Soundproofing.....                          | 26                       | 5,559                          | 962                                        | 4,594             | 75                     | 1,181      | 2,825             | 530                                                                           |
| Railroad.....                               | 3                        | 934                            | 222                                        | 712               | 230                    | 394        | 242               | 290                                                                           |
| Foundation.....                             | 25                       | 22,950                         | 4,877                                      | 18,073            | 3,841                  | 8,922      | 6,091             | 3,365                                                                         |
| Power plant.....                            | 4                        | 1,064                          | 858                                        | 206               | 17                     | 235        | 859               | 149                                                                           |
| Metal work, n. e. s.....                    | 136                      | 52,189                         | 30,085                                     | 21,204            | 1,957                  | 11,222     | 29,209            | 4,840                                                                         |
| Flooring, n. e. s.....                      | 81                       | 10,780                         | 2,687                                      | 7,873             | 116                    | 2,651      | 5,281             | 1,293                                                                         |
| Miscellaneous n. e. s.....                  | 22                       | 3,020                          | 1,280                                      | 1,731             | 232                    | 1,089      | 238               | 746                                                                           |

<sup>1</sup> See footnote 1, table 834.

Source: Bureau of the Census, Department of Commerce.

# SUPPLEMENT TO SECTION 33, DISTRIBUTION

## No. 836.—RETAIL TRADE BY KIND OF BUSINESS: 1935

[NOTE.—All figures are preliminary; the coverage is incomplete in five States as noted in table 837. For data for earlier years see table 814. In the kind of business classifications, stores are classified according to the principal lines of commodities sold, dual-line stores (such as furniture and hardware, groceries and feed, etc.) being classified according to the lines which predominate currently. Changes in the relative proportion of the sales of major commodities by dual-line stores and changes in the character of the business resulting from changes in consumer demand result in some shifts between classifications from census to census. In the 1935 census, some automobile service establishments, bakeries, lumber dealers (planing mills), dairies, motor-vehicle dealers, hardware dealers, and heating, plumbing, and electrical shops, formerly included in the Retail census, were transferred to other censuses (Service, Manufactures, Wholesale, or Construction census), based on the nature of the principal business of each such establishment.]

| Kind of business                                               | Number of stores | Sales (thousands of dollars) | Proprietors and firm members | Employees (average for year) <sup>1</sup> | Pay roll (thousands of dollars) <sup>2</sup> |             |           |
|----------------------------------------------------------------|------------------|------------------------------|------------------------------|-------------------------------------------|----------------------------------------------|-------------|-----------|
|                                                                |                  |                              |                              |                                           | Total                                        | Full-time   | Part-time |
| United States.....                                             | 1, 649, 081      | 32, 790, 267                 | 1, 610, 094                  | 3, 899, 927                               | 3, 568, 398                                  | 3, 334, 721 | 233, 677  |
| Food groups <sup>3</sup> .....                                 | 542, 845         | 8, 643, 397                  | 498, 286                     | 755, 324                                  | 675, 184                                     | 627, 773    | 47, 411   |
| Grocery stores (without meat).....                             | 189, 622         | 2, 202, 641                  | 170, 350                     | 155, 393                                  | 125, 226                                     | 114, 376    | 10, 850   |
| Combination stores (groceries and meats).....                  | 165, 552         | 4, 123, 902                  | 147, 903                     | 357, 202                                  | 302, 072                                     | 279, 369    | 22, 073   |
| Meat markets (including sea foods).....                        | 39, 474          | 609, 416                     | 39, 234                      | 51, 176                                   | 48, 794                                      | 46, 006     | 3, 785    |
| Beer and liquor stores (packaged).....                         | 12, 063          | 325, 071                     | 8, 907                       | 16, 325                                   | 17, 534                                      | 16, 594     | 940       |
| Other food stores.....                                         | 137, 134         | 1, 382, 368                  | 131, 826                     | 175, 228                                  | 181, 568                                     | 172, 305    | 9, 163    |
| Restaurants and eating places.....                             | 261, 084         | 2, 385, 495                  | 257, 269                     | 642, 682                                  | 416, 445                                     | 386, 056    | 30, 389   |
| Eating places.....                                             | 153, 232         | 1, 661, 499                  | 156, 470                     | 491, 673                                  | 308, 095                                     | 288, 518    | 19, 577   |
| Drinking places.....                                           | 97, 852          | 723, 996                     | 100, 799                     | 151, 009                                  | 108, 350                                     | 97, 538     | 10, 812   |
| Farmers' supplies and country general stores.....              | 75, 739          | 1, 349, 890                  | 74, 964                      | 100, 459                                  | 77, 558                                      | 72, 110     | 5, 776    |
| Country general stores (with foods).....                       | 69, 589          | 1, 090, 079                  | 66, 721                      | 81, 811                                   | 59, 051                                      | 55, 499     | 4, 152    |
| Farmers' supply stores.....                                    | 9, 150           | 250, 811                     | 8, 243                       | 18, 648                                   | 18, 237                                      | 16, 611     | 1, 626    |
| General merchandise group.....                                 | 44, 703          | 4, 423, 837                  | 32, 143                      | 699, 100                                  | 578, 992                                     | 534, 635    | 42, 337   |
| Department stores (incl. mail-order).....                      | 4, 204           | 3, 104, 871                  | 783                          | 450, 260                                  | 430, 080                                     | 411, 732    | 24, 348   |
| General merchandise and dry goods stores.....                  | 28, 583          | 521, 653                     | 25, 510                      | 64, 680                                   | 47, 984                                      | 43, 407     | 4, 577    |
| Variety stores (5- and 10 and to-a-dollar stores).....         | 11, 921          | 707, 363                     | 5, 841                       | 174, 160                                  | 92, 928                                      | 70, 496     | 13, 432   |
| Apparel group.....                                             | 95, 147          | 2, 598, 250                  | 73, 273                      | 320, 297                                  | 331, 869                                     | 307, 638    | 24, 281   |
| Men's stores (including boys).....                             | 20, 785          | 651, 037                     | 17, 153                      | 67, 483                                   | 73, 739                                      | 69, 831     | 3, 908    |
| Women's ready-to-wear specialty stores.....                    | 21, 839          | 769, 815                     | 17, 033                      | 104, 469                                  | 100, 594                                     | 94, 158     | 6, 438    |
| Family clothing stores.....                                    | 7, 871           | 350, 096                     | 6, 050                       | 46, 780                                   | 47, 144                                      | 44, 838     | 2, 306    |
| Shoe stores.....                                               | 13, 606          | 491, 722                     | 11, 642                      | 54, 037                                   | 54, 769                                      | 50, 113     | 4, 653    |
| Accessories and other apparel stores.....                      | 26, 046          | 320, 580                     | 21, 393                      | 56, 023                                   | 55, 626                                      | 48, 700     | 6, 926    |
| Automotive group.....                                          | 313, 202         | 6, 588, 344                  | 292, 960                     | 573, 383                                  | 610, 714                                     | 598, 539    | 24, 183   |
| Motor-vehicle dealers.....                                     | 35, 017          | 3, 871, 899                  | 30, 222                      | 206, 410                                  | 325, 127                                     | 319, 261    | 5, 866    |
| Motor-vehicle dealers (new).....                               | 30, 265          | 3, 750, 731                  | 25, 489                      | 256, 627                                  | 314, 442                                     | 309, 219    | 5, 223    |
| Used-car dealers.....                                          | 4, 752           | 121, 168                     | 4, 733                       | 9, 783                                    | 10, 085                                      | 10, 042     | 643       |
| Garages.....                                                   | 66, 183          | 368, 404                     | 71, 671                      | 92, 926                                   | 54, 775                                      | 49, 732     | 5, 043    |
| Filling stations.....                                          | 196, 649         | 1, 961, 780                  | 179, 811                     | 201, 611                                  | 174, 409                                     | 163, 046    | 11, 363   |
| Other automotive.....                                          | 15, 353          | 386, 261                     | 11, 366                      | 47, 438                                   | 50, 403                                      | 54, 493     | 1, 910    |
| Furniture and household group.....                             | 45, 001          | 1, 260, 464                  | 35, 828                      | 139, 127                                  | 205, 980                                     | 195, 735    | 10, 245   |
| Furniture stores and floor coverings and draperies stores..... | 19, 608          | 737, 768                     | 17, 174                      | 35, 082                                   | 109, 314                                     | 105, 647    | 3, 667    |
| Household appliance and radio stores.....                      | 14, 026          | 371, 003                     | 7, 807                       | 93, 549                                   | 73, 063                                      | 67, 949     | 5, 114    |
| Radio dealers.....                                             | 4, 309           | 67, 406                      | 4, 210                       | 6, 102                                    | 7, 484                                       | 7, 051      | 423       |
| Other furniture and household.....                             | 7, 068           | 95, 687                      | 6, 628                       | 14, 444                                   | 16, 119                                      | 15, 078     | 1, 041    |
| Lumber, building, and hardware group.....                      | 72, 784          | 1, 847, 453                  | 60, 050                      | 192, 191                                  | 230, 739                                     | 206, 606    | 15, 123   |
| Lumber and building-material dealers.....                      | 21, 039          | 861, 160                     | 10, 798                      | 90, 256                                   | 109, 693                                     | 103, 171    | 6, 812    |
| Hardware and farm-implement dealers.....                       | 36, 531          | 753, 380                     | 36, 231                      | 67, 534                                   | 70, 515                                      | 66, 029     | 4, 486    |
| Other building.....                                            | 15, 214          | 232, 913                     | 13, 021                      | 34, 401                                   | 40, 231                                      | 36, 406     | 3, 825    |
| Cigar stores and stands.....                                   | 15, 340          | 182, 696                     | 13, 709                      | 15, 097                                   | 13, 806                                      | 13, 016     | 790       |
| Fuel and ice dealers.....                                      | 85, 179          | 841, 115                     | 31, 678                      | 91, 022                                   | 103, 794                                     | 90, 774     | 13, 020   |
| Drug stores.....                                               | 60, 519          | 1, 226, 491                  | 48, 244                      | 153, 379                                  | 144, 084                                     | 134, 985    | 9, 099    |
| Jewelry stores.....                                            | 12, 390          | 233, 001                     | 11, 077                      | 25, 571                                   | 35, 294                                      | 33, 991     | 1, 303    |
| Other retail stores.....                                       | 68, 629          | 1, 087, 513                  | 58, 186                      | 131, 472                                  | 138, 710                                     | 130, 725    | 7, 985    |
| Second-hand stores.....                                        | 22, 517          | 122, 471                     | 22, 527                      | 20, 821                                   | 16, 909                                      | 16, 145     | 1, 764    |

<sup>1</sup> Includes full-time and part-time employees.

<sup>2</sup> Includes no compensation for proprietors and firm members of unincorporated businesses.

<sup>3</sup> Includes beer and liquor stores.

<sup>4</sup> Includes furriers and fur shops, millinery stores, and custom tailors.

Source: Bureau of the Census, Department of Commerce.



## No. 837.—RETAIL TRADE BY STATES: 1935

NOTE.—Figures are preliminary; the coverage is incomplete in 5 States as noted. For data for earlier years, see table 815

[All money figures in thousands of dollars]

| Division and State             | Number of stores | Sales              | Proprietors and firm members | Employees (average for year) <sup>1</sup> | Pay roll <sup>2</sup> |                 |                |
|--------------------------------|------------------|--------------------|------------------------------|-------------------------------------------|-----------------------|-----------------|----------------|
|                                |                  |                    |                              |                                           | Total                 | Full-time       | Part-time      |
| United States.....             | 1, 649, 081      | 32, 780, 267       | 1, 510, 094                  | 3, 899, 927                               | 3, 568, 398           | 3, 334, 721     | 233, 677       |
| <b>New England.....</b>        | <b>113, 719</b>  | <b>2, 742, 476</b> | <b>95, 759</b>               | <b>327, 433</b>                           | <b>319, 556</b>       | <b>297, 636</b> | <b>21, 920</b> |
| Maine.....                     | 12, 694          | 231, 048           | 11, 365                      | 24, 581                                   | 21, 816               | 20, 262         | 1, 554         |
| New Hampshire.....             | 7, 180           | 151, 052           | 6, 569                       | 18, 092                                   | 14, 710               | 13, 636         | 1, 075         |
| Vermont.....                   | 4, 945           | 98, 699            | 4, 533                       | 10, 011                                   | 8, 698                | 8, 045          | 653            |
| Massachusetts.....             | 55, 480          | 1, 487, 486        | 45, 433                      | 184, 369                                  | 180, 064              | 167, 796        | 12, 368        |
| Rhode Island.....              | 9, 037           | 217, 562           | 7, 666                       | 28, 512                                   | 27, 206               | 25, 426         | 1, 781         |
| Connecticut.....               | 24, 377          | 556, 630           | 20, 203                      | 63, 888                                   | 66, 461               | 62, 473         | 3, 989         |
| <b>Middle Atlantic.....</b>    | <b>401, 228</b>  | <b>8, 292, 655</b> | <b>337, 420</b>              | <b>958, 460</b>                           | <b>967, 488</b>       | <b>906, 768</b> | <b>60, 720</b> |
| New York <sup>3</sup> .....    | 204, 009         | 4, 579, 085        | 131, 404                     | 503, 933                                  | 550, 026              | 519, 216        | 30, 810        |
| New Jersey.....                | 67, 739          | 1, 215, 723        | 58, 749                      | 130, 342                                  | 140, 132              | 131, 274        | 8, 858         |
| Pennsylvania.....              | 129, 480         | 2, 497, 847        | 117, 267                     | 310, 135                                  | 277, 330              | 258, 278        | 19, 052        |
| <b>East North Central.....</b> | <b>339, 021</b>  | <b>7, 067, 101</b> | <b>310, 064</b>              | <b>857, 333</b>                           | <b>733, 976</b>       | <b>726, 214</b> | <b>57, 762</b> |
| Ohio.....                      | 93, 076          | 1, 962, 396        | 83, 421                      | 241, 969                                  | 218, 416              | 202, 005        | 16, 411        |
| Indiana.....                   | 42, 423          | 774, 303           | 39, 980                      | 97, 119                                   | 80, 705               | 74, 216         | 6, 489         |
| Illinois <sup>3</sup> .....    | 97, 646          | 2, 077, 222        | 89, 138                      | 259, 107                                  | 249, 632              | 234, 047        | 15, 585        |
| Michigan.....                  | 61, 827          | 1, 384, 590        | 56, 546                      | 102, 765                                  | 151, 772              | 141, 213        | 10, 559        |
| Wisconsin.....                 | 44, 049          | 888, 560           | 40, 979                      | 96, 423                                   | 83, 461               | 74, 733         | 8, 718         |
| <b>West North Central.....</b> | <b>191, 521</b>  | <b>3, 484, 373</b> | <b>182, 674</b>              | <b>408, 585</b>                           | <b>335, 341</b>       | <b>310, 461</b> | <b>24, 880</b> |
| Minnesota.....                 | 37, 937          | 815, 954           | 35, 382                      | 92, 033                                   | 81, 426               | 75, 592         | 5, 834         |
| Iowa.....                      | 38, 932          | 646, 211           | 38, 044                      | 72, 708                                   | 55, 590               | 50, 057         | 4, 933         |
| Missouri <sup>3</sup> .....    | 50, 350          | 921, 686           | 47, 455                      | 121, 119                                  | 101, 750              | 95, 163         | 6, 587         |
| North Dakota.....              | 9, 015           | 150, 016           | 8, 448                       | 14, 037                                   | 12, 108               | 11, 144         | 904            |
| South Dakota.....              | 9, 573           | 146, 078           | 8, 974                       | 15, 521                                   | 11, 945               | 11, 025         | 920            |
| Nebraska.....                  | 13, 906          | 353, 637           | 17, 990                      | 40, 945                                   | 32, 980               | 30, 426         | 2, 554         |
| Kansas.....                    | 27, 845          | 445, 892           | 26, 381                      | 52, 222                                   | 39, 542               | 30, 464         | 3, 078         |
| <b>South Atlantic.....</b>     | <b>180, 937</b>  | <b>3, 285, 235</b> | <b>162, 965</b>              | <b>419, 889</b>                           | <b>340, 803</b>       | <b>321, 380</b> | <b>19, 423</b> |
| Delaware.....                  | 4, 292           | 73, 175            | 3, 376                       | 8, 604                                    | 7, 706                | 7, 264          | 442            |
| Maryland <sup>3</sup> .....    | 22, 936          | 449, 253           | 21, 155                      | 58, 118                                   | 51, 035               | 48, 002         | 3, 033         |
| District of Columbia.....      | 6, 427           | 327, 299           | 4, 806                       | 41, 627                                   | 43, 291               | 41, 509         | 1, 782         |
| Virginia.....                  | 26, 724          | 470, 613           | 23, 898                      | 57, 990                                   | 48, 439               | 45, 357         | 3, 082         |
| West Virginia.....             | 18, 938          | 330, 269           | 16, 978                      | 36, 899                                   | 31, 114               | 29, 030         | 2, 084         |
| North Carolina.....            | 29, 438          | 402, 613           | 27, 298                      | 60, 150                                   | 44, 082               | 41, 270         | 2, 812         |
| South Carolina.....            | 16, 641          | 246, 077           | 14, 658                      | 32, 965                                   | 22, 469               | 21, 053         | 1, 431         |
| Georgia.....                   | 31, 310          | 484, 637           | 28, 622                      | 66, 878                                   | 46, 953               | 44, 463         | 2, 490         |
| Florida.....                   | 24, 232          | 421, 249           | 21, 674                      | 56, 758                                   | 45, 694               | 43, 427         | 2, 267         |
| <b>East South Central.....</b> | <b>93, 898</b>   | <b>1, 381, 850</b> | <b>89, 641</b>               | <b>175, 963</b>                           | <b>129, 371</b>       | <b>121, 691</b> | <b>7, 680</b>  |
| Kentucky.....                  | 29, 254          | 386, 722           | 23, 187                      | 45, 374                                   | 36, 821               | 34, 456         | 2, 365         |
| Tennessee.....                 | 27, 443          | 462, 731           | 20, 089                      | 61, 473                                   | 40, 607               | 44, 177         | 2, 630         |
| Alabama.....                   | 22, 068          | 335, 127           | 20, 716                      | 42, 238                                   | 30, 140               | 28, 459         | 1, 681         |
| Mississippi.....               | 15, 108          | 177, 270           | 14, 649                      | 23, 273                                   | 15, 603               | 14, 599         | 1, 004         |
| <b>West South Central.....</b> | <b>138, 607</b>  | <b>2, 300, 091</b> | <b>133, 195</b>              | <b>290, 112</b>                           | <b>224, 056</b>       | <b>212, 342</b> | <b>11, 714</b> |
| Arkansas.....                  | 18, 276          | 239, 870           | 18, 158                      | 27, 062                                   | 19, 355               | 18, 139         | 1, 216         |
| Louisiana.....                 | 23, 147          | 341, 854           | 21, 395                      | 49, 737                                   | 39, 559               | 35, 018         | 1, 541         |
| Oklahoma.....                  | 25, 950          | 430, 281           | 25, 245                      | 53, 160                                   | 41, 325               | 38, 759         | 2, 566         |
| Texas.....                     | 71, 234          | 1, 286, 086        | 68, 397                      | 169, 253                                  | 126, 817              | 120, 426        | 6, 391         |
| <b>Mountain.....</b>           | <b>48, 936</b>   | <b>1, 084, 225</b> | <b>44, 619</b>               | <b>113, 630</b>                           | <b>106, 815</b>       | <b>99, 354</b>  | <b>7, 461</b>  |
| Montana.....                   | 7, 928           | 188, 951           | 7, 103                       | 17, 596                                   | 18, 592               | 18, 989         | 1, 603         |
| Idaho.....                     | 5, 853           | 139, 536           | 5, 347                       | 12, 976                                   | 12, 570               | 11, 701         | 869            |
| Wyoming.....                   | 3, 489           | 82, 029            | 3, 234                       | 7, 275                                    | 7, 343                | 6, 802          | 441            |
| Colorado <sup>3</sup> .....    | 14, 259          | 295, 447           | 13, 229                      | 33, 173                                   | 28, 815               | 27, 058         | 1, 867         |
| New Mexico.....                | 4, 781           | 87, 583            | 4, 613                       | 9, 204                                    | 8, 095                | 7, 630          | 465            |
| Arizona.....                   | 5, 180           | 116, 643           | 4, 888                       | 12, 704                                   | 11, 979               | 11, 224         | 755            |
| Utah.....                      | 5, 822           | 131, 241           | 4, 908                       | 16, 556                                   | 14, 534               | 13, 323         | 1, 206         |
| Nevada.....                    | 1, 664           | 42, 795            | 1, 507                       | 4, 138                                    | 4, 787                | 4, 522          | 265            |
| <b>Pacific.....</b>            | <b>141, 928</b>  | <b>3, 172, 261</b> | <b>133, 457</b>              | <b>351, 072</b>                           | <b>360, 999</b>       | <b>336, 679</b> | <b>24, 117</b> |
| Washington.....                | 24, 670          | 524, 760           | 23, 313                      | 56, 890                                   | 55, 836               | 51, 865         | 4, 267         |
| Oregon.....                    | 15, 345          | 335, 318           | 14, 492                      | 34, 980                                   | 33, 771               | 31, 425         | 2, 346         |
| California.....                | 100, 911         | 2, 312, 133        | 95, 652                      | 259, 192                                  | 271, 385              | 255, 881        | 17, 504        |

<sup>1</sup> Includes full-time and part-time employees.

<sup>2</sup> Includes no compensation for proprietors and firm members of unincorporated businesses.

<sup>3</sup> Data incomplete; field canvass is continuing in part of the State. Additional schedules will be included in final reports.

Source: Bureau of the Census, Department of Commerce.

## APPENDIX

### UNITED STATES UNITS WITH METRIC EQUIVALENTS

|                                                                |
|----------------------------------------------------------------|
| 1 inch=2.540 centimeters.                                      |
| 1 foot=0.3048 meter.                                           |
| 1 yard=0.9144 meter.                                           |
| 1 mile=1.609 kilometers.                                       |
| 1 square yard=0.8361 square meter.                             |
| 1 acre=0.4047 hectare.                                         |
| 1 square mile=2.590 square kilometers.                         |
| 1 cubic inch=16.39 cubic centimeters.                          |
| 1 cubic foot=0.02832 cubic meter.                              |
| 1 cubic yard=0.7646 cubic meter.                               |
| 1 liquid quart=0.9463 liter.                                   |
| 1 gallon=231 cubic inches=3.785 liters.                        |
| 1 bushel (measured)=2,150.4 cubic inches=35.24 liters.         |
| 1 avoirdupois ounce=28.35 grams.                               |
| 1 troy ounce=31.10 grams.                                      |
| 1 pound=0.4536 kilogram.                                       |
| 1 long ton=2,240 pounds=1.0160 metric tons of 1,000 kilograms. |
| 1 short ton=2,000 pounds=0.9072 metric ton.                    |

### UNITED STATES GALLON AND BUSHEL WITH BRITISH EQUIVALENTS

|                                                                     |
|---------------------------------------------------------------------|
| 1 United States gallon=231 cubic inches=0.8331 imperial gallon.     |
| 1 United States bushel=2,150.4 cubic inches=0.9694 imperial bushel. |

### OFFICIAL WEIGHTS OF THE BARREL OF NONLIQUID PRODUCTS

|                                                                              | Pounds | Kilo-grams |
|------------------------------------------------------------------------------|--------|------------|
| Wheat flour, barley flour, rye flour, and corn meal (net) <sup>1</sup> ..... | 196    | 88.90      |
| Rosin, tar, and pitch (gross).....                                           | 500    | 226.80     |
| Fish, pickled (net).....                                                     | 200    | 90.72      |
| Lime (net).....                                                              | 200    | 90.72      |
| Cement (4 bags counted as 1 barrel) (net) <sup>1</sup> .....                 | 376    | 170.55     |

<sup>1</sup> Except as noted in the tables.

### OFFICIAL WEIGHTS OF THE UNITED STATES BUSHEL

|                                                                  | Pounds | Kilo-grams |
|------------------------------------------------------------------|--------|------------|
| Wheat, beans, peas, potatoes (Irish or white).....               | 60     | 27.22      |
| Rye, corn (maize), linseed (flaxseed), maslin (mixed grain)..... | 56     | 25.40      |
| Barley, buckwheat.....                                           | 48     | 21.77      |
| Onions.....                                                      | 57     | 25.86      |
| Rough rice.....                                                  | 45     | 20.41      |
| Malt.....                                                        | 34     | 15.42      |
| Oats.....                                                        | 32     | 14.51      |
| Peanuts, green, in shell.....                                    | 22     | 9.98       |
| Castor beans.....                                                | 50     | 22.68      |

### APPROXIMATE WEIGHT OF PETROLEUM AND PRODUCTS

In the United States petroleum and its products are measured by bulk, not weight. Whether handled in containers or without them the quantities are customarily reduced to the equivalent of barrels of 42 United States gallons (barrel thus equals 158.984 liters). In many foreign countries these commodities are measured by weight. The specific gravity of the different grades of crude petroleum and of the finished products varies materially. On the basis of approximate averages the Department of Commerce in converting foreign weight statistics to gallons or barrels of 42 gallons uses the factors shown in the following table:

|                                                                  | Weight of United States gallon |            | Weight of barrel of 42 gallons |            |
|------------------------------------------------------------------|--------------------------------|------------|--------------------------------|------------|
|                                                                  | Pounds                         | Kilo-grams | Pounds                         | Kilo-grams |
| Crude petroleum.....                                             | 7.3                            | 3.311      | 306.6                          | 139.07     |
| Lubricating oils.....                                            | 7.0                            | 3.175      | 294.0                          | 133.36     |
| Illuminating oils (kerosene).....                                | 6.6                            | 2.994      | 277.2                          | 125.74     |
| Gasoline and related products (motor spirit, benzine, etc.)..... | 6.1                            | 2.767      | 256.2                          | 116.31     |
| Fuel and gas oils.....                                           | 7.7                            | 3.493      | 323.4                          | 146.69     |

## APPENDIX

### UNITED STATES UNITS WITH METRIC EQUIVALENTS

|                                                                |
|----------------------------------------------------------------|
| 1 inch=2.540 centimeters.                                      |
| 1 foot=0.3048 meter.                                           |
| 1 yard=0.9144 meter.                                           |
| 1 mile=1.609 kilometers.                                       |
| 1 square yard=0.8361 square meter.                             |
| 1 acre=0.4047 hectare.                                         |
| 1 square mile=2.590 square kilometers.                         |
| 1 cubic inch=16.39 cubic centimeters.                          |
| 1 cubic foot=0.02832 cubic meter.                              |
| 1 cubic yard=0.7646 cubic meter.                               |
| 1 liquid quart=0.9463 liter.                                   |
| 1 gallon=231 cubic inches=3.785 liters.                        |
| 1 bushel (measured)=2,150.4 cubic inches=35.24 liters.         |
| 1 avoirdupois ounce=28.35 grams.                               |
| 1 troy ounce=31.10 grams.                                      |
| 1 pound=0.4536 kilogram.                                       |
| 1 long ton=2,240 pounds=1,0160 metric tons of 1,000 kilograms. |
| 1 short ton=2,000 pounds=0.9072 metric ton.                    |

### UNITED STATES GALLON AND BUSHEL WITH BRITISH EQUIVALENTS

|                                                                     |
|---------------------------------------------------------------------|
| 1 United States gallon=231 cubic inches=0.8331 imperial gallon.     |
| 1 United States bushel=2,150.4 cubic inches=0.9694 imperial bushel. |

### OFFICIAL WEIGHTS OF THE BARREL OF NONLIQUID PRODUCTS

|                                                                              | Pounds | Kilo-grams |
|------------------------------------------------------------------------------|--------|------------|
| Wheat flour, barley flour, rye flour, and corn meal (net) <sup>1</sup> ..... | 196    | 88.90      |
| Rosin, tar, and pitch (gross).....                                           | 500    | 226.80     |
| Fish, pickled (net).....                                                     | 260    | 90.72      |
| Lime (net).....                                                              | 209    | 90.72      |
| Cement (4 bags counted as 1 barrel) (net) <sup>1</sup> .....                 | 876    | 170.55     |

<sup>1</sup> Except as noted in the tables.

### OFFICIAL WEIGHTS OF THE UNITED STATES BUSHEL

|                                                                  | Pounds | Kilo-grams |
|------------------------------------------------------------------|--------|------------|
| Wheat, beans, peas, potatoes (Irish or white).....               | 60     | 27.22      |
| Rye, corn (maize), linseed (flaxseed), maslin (mixed grain)..... | 56     | 25.40      |
| Barley, buckwheat.....                                           | 48     | 21.77      |
| Onions.....                                                      | 57     | 25.86      |
| Rough rice.....                                                  | 45     | 20.41      |
| Malt.....                                                        | 34     | 15.42      |
| Oats.....                                                        | 32     | 14.51      |
| Peanuts, green, in shell.....                                    | 22     | 9.98       |
| Castor beans.....                                                | 50     | 22.68      |

### APPROXIMATE WEIGHT OF PETROLEUM AND PRODUCTS

In the United States petroleum and its products are measured by bulk, not weight. Whether handled in containers or without them the quantities are customarily reduced to the equivalent of barrels of 42 United States gallons (barrel thus equals 158.984 liters). In many foreign countries these commodities are measured by weight. The specific gravity of the different grades of crude petroleum and of the finished products varies materially. On the basis of approximate averages the Department of Commerce in converting foreign weight statistics to gallons or barrels of 42 gallons uses the factors shown in the following table:

|                                                                  | Weight of United States gallon |            | Weight of barrel of 42 gallons |            |
|------------------------------------------------------------------|--------------------------------|------------|--------------------------------|------------|
|                                                                  | Pounds                         | Kilo-grams | Pounds                         | Kilo-grams |
| Crude petroleum.....                                             | 7.3                            | 3.311      | 306.6                          | 139.07     |
| Lubricating oils.....                                            | 7.0                            | 3.175      | 294.0                          | 133.36     |
| Illuminating oils (kerosene).....                                | 6.6                            | 2.994      | 277.2                          | 125.74     |
| Gasoline and related products (motor spirit, benzine, etc.)..... | 6.1                            | 2.767      | 256.2                          | 116.31     |
| Fuel and gas oils.....                                           | 7.7                            | 3.498      | 323.4                          | 146.69     |

# INDEX

|                                                                                    | Page                                  |                                                                                  | Page                                   |
|------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------|----------------------------------------|
| Abrasives.....                                                                     | 488, 539, 694, 698, 750, 771          | Albania, trade with United States.....                                           | 460                                    |
| Acceptances, held by banks.....                                                    | 228, 230, 240, 249                    | Alcohol ( <i>see also</i> Liquors, etc.).....                                    | 303, 506, 546, 772, 783                |
| Interest rates on.....                                                             | 278, 279                              | Alfalfa, hay and seed.....                                                       | 476, 527, 553, 567, 602, 630, 670      |
| Accident and sick benefit insurance.....                                           | 287, 288                              | Algeria and Tunisia.....                                                         | 416, 452                               |
| Accidents and fatalities:                                                          |                                       | Aliens. <i>See</i> Immigration.                                                  |                                        |
| At sea.....                                                                        | 412                                   | Almonds.....                                                                     | 622, 631                               |
| Automobile.....                                                                    | 58, 367-369                           | Aluminum.....                                                                    | 302, 327, 492, 542, 661, 697, 707, 754 |
| In metal mines, quarries, etc.....                                                 | 732                                   | Aluminum compounds.....                                                          | 506, 771                               |
| Railway.....                                                                       | 58, 591, 592                          | American Railway Express Co.....                                                 | 393                                    |
| Acids.....                                                                         | 303, 506, 546, 771                    | American Telephone & Telegraph Co. (Bell system).....                            | 342, 344                               |
| Acreage, farm.....                                                                 | 570, 572-575, 579, 581, 582, 585, 630 | Ammonia and ammonia compounds.....                                               | 303,                                   |
| Adding and calculating machines, etc.....                                          | 327,                                  |                                                                                  | 307, 545, 771                          |
|                                                                                    | 601, 755, 777                         | Ammunition.....                                                                  | 608, 611, 648, 776                     |
| Aden, trade with United States.....                                                | 450                                   | Amusement establishments.....                                                    | 196, 806                               |
| Adjusted compensation and adjusted services certificate fund.....                  | 155, 166, 197, 199, 170, 173          | Animal products ( <i>see also individual products and</i> Animals and products): |                                        |
| Advertising agencies and agencies.....                                             | 61, 805                               | Summary of production.....                                                       | 618, 619                               |
| Aeronautics, civil ( <i>see also</i> A. Viaters).....                              | 402                                   | Cold-storage holdings.....                                                       | 632                                    |
| Africa, trade.....                                                                 | 443-447, 452, 454, 561                | Farm value and income from.....                                                  | 301, 632                               |
| Age of population. <i>See under</i> Population.                                    |                                       | Foreign trade.....                                                               | 419, 466-470, 519-519, 606-608         |
| Agents. <i>See</i> Brokers and agents.                                             |                                       | Prices.....                                                                      | 301, 605, 608                          |
| Agricultural Adjustment Administration rental and benefit payments to farmers..... | 601                                   | Traffic movement (animals and products).....                                     | 385-                                   |
| Agricultural adjustment taxes and refunds.....                                     | 463,                                  |                                                                                  | 388                                    |
|                                                                                    | 166, 168, 171, 176, 177               | Animals, domestic ( <i>see also individual classes</i> ):                        |                                        |
| Agricultural corporations, tax returns.....                                        | 187-191,                              | Farm value of production and income                                              |                                        |
|                                                                                    | 165, 197                              | from.....                                                                        | 601, 602                               |
| Agricultural credit agencies.....                                                  | 260-265, 267                          | Foreign trade.....                                                               | 466, 470, 513, 519, 606                |
| Agricultural implements and machinery:                                             |                                       | Grazed on national forest ranges.....                                            | 678                                    |
| Farm expenditures for.....                                                         | 693                                   | Inspected and slaughtered.....                                                   | 618, 627                               |
| Foreign trade.....                                                                 | 502, 545                              | Number and value of farm.....                                                    | 609, 610, 612, 613                     |
| Manufactures.....                                                                  | 327, 754, 777, 779                    | By States.....                                                                   | 612                                    |
| Prices.....                                                                        | 300, 303                              | Prices.....                                                                      | 300, 301, 605, 616, 617                |
| Traffic movement.....                                                              | 389                                   | Receipts and shipments.....                                                      | 614, 615                               |
| Value of, on farms and as national wealth.....                                     | 272,                                  | Traffic movement.....                                                            | 389, 387, 390                          |
|                                                                                    | 570, 577                              | Wholesale establishments.....                                                    | 792                                    |
| Wholesale establishments.....                                                      | 793                                   | Animals and products, farm income from.....                                      | 601-608                                |
| Agricultural loans:                                                                |                                       | Antimonial lead, production.....                                                 | 697, 710                               |
| By commercial banks.....                                                           | 240, 245, 249                         | Antimony.....                                                                    | 543, 691, 697                          |
| By Farm Credit Administration agencies.....                                        | 260-265                               | Apparel stores and wholesale establishments.....                                 | 792,                                   |
| Mortgage loans on owned farms.....                                                 | 589, 590                              |                                                                                  | 796, 797, 799, 802, 817                |
| Agricultural marketing fund.....                                                   | 186, 170, 260                         | Apples:                                                                          |                                        |
| Agricultural products ( <i>see also</i> Crops and individual products):            |                                       | Canned and dried.....                                                            | 672                                    |
| Farm value and income from.....                                                    | 601-604                               | Foreign trade.....                                                               | 472, 521                               |
| Foreign trade.....                                                                 | 443, 460, 606-608                     | Prices.....                                                                      | 301, 655, 670                          |
| Export indexes.....                                                                | 607, 608                              | Production and value.....                                                        | 602, 631, 654, 655                     |
| Indexes of net volume of production.....                                           | 605                                   | Of irrigated crops.....                                                          | 563, 567                               |
| Prices, farm and export.....                                                       | 298-301, 605-608                      | Appropriations by Congress.....                                                  | 174                                    |
| Processing tax on.....                                                             | 163, 166, 168, 176, 177               | Apricots.....                                                                    | 472, 567, 631, 672                     |
| Purchased and sold through farmers' organizations.....                             | 599, 600                              | Arabia.....                                                                      | 416, 450                               |
| Traffic movement.....                                                              | 386, 387                              | Architecture, students in.....                                                   | 120                                    |
| Wholesale establishments.....                                                      | 792                                   | Area of United States and outlying areas.....                                    | 1, 2                                   |
| Agriculture ( <i>see also</i> Farms, Agricultural products, etc.):                 |                                       | Argentina.....                                                                   | 276, 277, 651                          |
| Contribution to national income.....                                               | 274, 275                              | Trade with United States.....                                                    | 416, 448, 454, 706                     |
| Persons engaged in.....                                                            | 54, 55, 66, 87                        | Armenia, debt to United States.....                                              | 203                                    |
| Rental and benefit payments by A. A. A.....                                        | 601                                   | Army personnel.....                                                              | 148, 149, 166                          |
| Vocational training in.....                                                        | 120, 125-127                          | Arrowroot. <i>See</i> Tapioca, etc.                                              |                                        |
| Aircraft.....                                                                      | 327, 402, 503, 545, 756, 777, 783     | Arsenious oxide, production.....                                                 | 698                                    |
| Air Mail Service.....                                                              | 339, 402                              | Art works and art goods.....                                                     | 511, 549, 751                          |
| Air transportation ( <i>see also</i> A. Viaters).....                              | 402                                   | Artichokes.....                                                                  | 663                                    |
| Alaska:                                                                            |                                       | Artists' materials, manufacture.....                                             | 758                                    |
| Area, date of accession, and population. 1-3, 10, 40                               |                                       | Asbestos and products.....                                                       | 488, 539, 664, 698, 750, 796           |
| Banks.....                                                                         | 245, 248                              | Asia, foreign trade.....                                                         | 443-447, 450, 454, 551                 |
| Fishery products.....                                                              | 687-690                               | Asparagus.....                                                                   | 471, 653, 672                          |
| Foreign trade.....                                                                 | 455, 552, 556, 557                    | Asphalt.....                                                                     | 388, 487, 488, 539, 694, 698, 725-727  |
| Internal revenue.....                                                              | 177, 192-194                          | Asses and burros.....                                                            | 470, 609                               |
| Mineral products.....                                                              | 696, 708, 713                         | Athletic goods. <i>See</i> Sporting, etc., goods.                                |                                        |
| National forests.....                                                              | 675                                   | Atlantic coast district.....                                                     | 413,                                   |
| Postal savings and postal service.....                                             | 256, 340, 341                         |                                                                                  | 414, 417, 419-421, 455, 456, 551       |
| Railroads.....                                                                     | 371, 394                              | Australia, trade with United States.....                                         | 416, 452, 454, 706                     |
| Schools.....                                                                       | 111-121                               | Austria.....                                                                     | 208, 276, 450                          |
|                                                                                    |                                       | Automobile insurance.....                                                        | 238                                    |
|                                                                                    |                                       | Automobile service and repair establishments.....                                | 805                                    |
|                                                                                    |                                       | Automobile tires and tubes.....                                                  | 300, 303, 325, 474, 776                |

|                                                                                                                          | Page                         |                                                                        | Page                                           |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------|------------------------------------------------|
| Automobiles. <i>See</i> Motor vehicles.                                                                                  |                              | Beads and bead ornaments.....                                          | 550                                            |
| Automotive products, wholesale and retail trade establishments ( <i>see also</i> Motor vehicles, Automobile tires, etc.) | 791, 796, 797, 799, 817      | Beans:                                                                 |                                                |
| Aviators.....                                                                                                            | 81                           | Acreage, production, and value..                                       | 602, 630, 635, 653                             |
| Awailings, tents, sails, etc.                                                                                            | 742                          | Of irrigated crop.....                                                 | 563, 567                                       |
| Azores and Madeira Islands.....                                                                                          | 415, 460                     | Canned.....                                                            | 471, 672                                       |
|                                                                                                                          |                              | Foreign trade.....                                                     | 471, 520                                       |
|                                                                                                                          |                              | Prices.....                                                            | 635                                            |
| Babbitt metal and solders.....                                                                                           | 494, 543                     | Beauty parlors.....                                                    | 805                                            |
| Bacon.....                                                                                                               | 308, 309, 466                | Beef:                                                                  |                                                |
| Bags.....                                                                                                                | 479, 486, 529, 742, 745, 767 | Summary, consumption, production, etc.                                 | 618                                            |
| Bahama Islands, trade with United States.....                                                                            | 415                          | Cold-storage holdings.....                                             | 623                                            |
| Bakers and bakeries.....                                                                                                 | 56, 57, 59, 319, 326, 332    | Foreign trade.....                                                     | 466, 613                                       |
| Bakery products.....                                                                                                     | 471, 519, 739                | Prices.....                                                            | 301, 308, 617                                  |
| Baking powder, yeast, etc.                                                                                               | 472, 505, 748                | Production.....                                                        | 618, 627                                       |
| Balance of international payments.....                                                                                   | 430                          | Beer ( <i>see also</i> Malt liquors).....                              | 175, 176, 787, 793                             |
| Bananas.....                                                                                                             | 301, 419, 521                | Beet pulp.....                                                         | 520, 673                                       |
| Bankers, brokers, and money lenders.....                                                                                 | 61                           | Beet sugar. <i>See</i> Sugar.                                          |                                                |
| Banks:                                                                                                                   |                              | Beets ( <i>see also</i> Sugar beets).....                              | 653, 672                                       |
| All reporting banks, assets and liabilities.                                                                             | 241-245                      | Belgian Congo, trade with United States.....                           | 416, 452                                       |
| Loans and investments classified.....                                                                                    | 246                          | Belgium.....                                                           | 203, 276, 277, 551                             |
| Banks for cooperatives.....                                                                                              | 260, 264, 267                | Trade with United States.....                                          | 415, 450, 454, 684, 706                        |
| Clearings.....                                                                                                           | 268                          | Bell telephone system.....                                             | 342, 344                                       |
| Debits to individual accounts.....                                                                                       | 269-271                      | Balting.....                                                           | 460, 475, 479, 529, 742, 749, 775              |
| Export-import banks.....                                                                                                 | 267                          | Benzine.....                                                           | 725                                            |
| Failures of.....                                                                                                         | 252                          | Bermuda, trade with United States.....                                 | 416, 443                                       |
| Federal home loan banks.....                                                                                             | 258, 267                     | Barries.....                                                           | 472, 521, 563, 567, 602, 631, 653, 673         |
| Federal intermediate credit banks.....                                                                                   | 260, 261, 265-267            | Beverage factories and wholesale and retail establishments.....        | 57, 59, 326, 739, 740, 793, 796                |
| Federal land banks.....                                                                                                  | 260-263, 267                 | Beverages ( <i>see also</i> Beverage factories, etc. and Liquors)..... | 175, 176, 307, 389, 490, 473, 523, 607, 787    |
| Federal Reserve banks.....                                                                                               | 228-236                      | Bicycles, motorcycles, and parts.....                                  | 504, 756, 777, 783                             |
| Assets and liabilities.....                                                                                              | 228, 229                     | Billiard and pool parlors, etc.                                        | 63, 806                                        |
| Bills bought.....                                                                                                        | 228, 230, 234                | Billiard tables, bowling alleys, etc.                                  | 511, 744                                       |
| Bills discounted.....                                                                                                    | 228, 231, 232, 234           | Birds, imported.....                                                   | 519                                            |
| Branches, volume of operations.....                                                                                      | 234                          | Births. <i>See under</i> Vital statistics.                             |                                                |
| Discount rates.....                                                                                                      | 232                          | Blackberries and dewberries.....                                       | 631                                            |
| Earnings.....                                                                                                            | 233, 236                     | Blackings, stains, and dressings.....                                  | 505, 747                                       |
| Gold certificate funds.....                                                                                              | 235, 236                     | Blacksmith shops.....                                                  | 805                                            |
| Money held by.....                                                                                                       | 227                          | Blankets.....                                                          | 303, 479, 529, 787, 788                        |
| Profit and loss account.....                                                                                             | 236                          | Blast furnaces.....                                                    | 315, 327, 700, 705, 751                        |
| Reserves and reserve ratio.....                                                                                          | 228, 229                     | Blind population.....                                                  | 79                                             |
| United States securities held by.....                                                                                    | 228, 230                     | Blind, schools for.....                                                | 124, 125                                       |
| Volume of operations.....                                                                                                | 234                          | Bluing, manufacture.....                                               | 747                                            |
| Federal Reserve System member banks.....                                                                                 | 237-241                      | Boarding and lodging housekeepers.....                                 | 64                                             |
| Assets and liabilities.....                                                                                              | 237-240                      | Boats. <i>See</i> Vessels.                                             |                                                |
| Dividends and earnings.....                                                                                              | 241                          | Bolivia, trade with United States.....                                 | 448, 454                                       |
| Failures of.....                                                                                                         | 252                          | Bonds guaranteed by United States.....                                 | 202                                            |
| Loans and investments, by classes.....                                                                                   | 237, 240                     | Bonds, prices, yields, sales, and issues.....                          | 289-293                                        |
| Reserve with Federal Reserve banks.....                                                                                  | 229                          | Bone, carbon, and lampblack.....                                       | 507, 747, 773                                  |
| Insured banks, assets and liabilities.....                                                                               | 251                          | Bones, hoofs, and horns.....                                           | 519                                            |
| Insured and uninsured banks, number and deposits, by size of deposits and by States.....                                 | 250, 251                     | Bookbinding and blank-book making.....                                 | 746                                            |
| Joint-stock land banks.....                                                                                              | 263, 264, 266                | Book and job printing.....                                             | 329, 331, 745, 770                             |
| Loan and trust companies.....                                                                                            | 243, 244                     | Books, etc.....                                                        | 110, 117, 511, 549, 793                        |
| Loans to, by Reconstruction Finance Corporation.....                                                                     | 266                          | Boots and shoes:                                                       |                                                |
| National banks.....                                                                                                      | 240, 242, 244, 246-250, 253  | Summary for industry.....                                              | 749, 769                                       |
| Assets and liabilities.....                                                                                              | 240-248                      | Corporation tax returns.....                                           | 195                                            |
| By States.....                                                                                                           | 248                          | Employment and pay roll in industry.....                               | 326                                            |
| Deposits.....                                                                                                            | 242, 244, 246-248, 250       | Foreign trade.....                                                     | 469, 474, 517                                  |
| Savings.....                                                                                                             | 253                          | Persons engaged in manufacture.....                                    | 58, 59, 749                                    |
| Dividends and earnings.....                                                                                              | 241, 249                     | Prices.....                                                            | 300, 302                                       |
| Failures of.....                                                                                                         | 252                          | Rubber.....                                                            | 474, 740, 775                                  |
| Loans and investments.....                                                                                               | 240, 244, 246-249            | Hours of labor and earnings in industry.....                           | 315                                            |
| Note circulation.....                                                                                                    | 246, 247                     | Wholesale and retail establishments.....                               | 792, 793, 796, 797, 799, 817                   |
| Other than national banks, summary.....                                                                                  | 244                          | Borates.....                                                           | 698                                            |
| Private banks.....                                                                                                       | 243, 244                     | Borneo, trade with United States.....                                  | 416                                            |
| Reserve, lawful.....                                                                                                     | 238, 247                     | Boxes and box factories.....                                           | 58, 585                                        |
| Savings banks.....                                                                                                       | 243, 244, 253, 255           | .....                                                                  | 59, 321, 326, 486, 536, 744, 745               |
| Savings deposits in all banks.....                                                                                       | 253, 254                     | Bradstreet's wholesale price index.....                                | 304                                            |
| State banks.....                                                                                                         | 242, 244                     | Bran.....                                                              | 303, 520, 672                                  |
| Tax returns.....                                                                                                         | 196                          | Brands, stencils, and hand stamps.....                                 | 758                                            |
| Barbados, trade with United States.....                                                                                  | 448                          | Brandy, fruit ( <i>see also</i> Liquors).....                          | 787                                            |
| Barber shops.....                                                                                                        | 805                          | Brass, bronze, and copper products industry.....                       | 58, 59, 327, 711                               |
| Barley:                                                                                                                  |                              | Foreign trade in products.....                                         | 493, 542                                       |
| Summary.....                                                                                                             | 633                          | Brazil.....                                                            | 276, 277                                       |
| By States.....                                                                                                           | 645                          | Trade with United States.....                                          | 416, 448, 454, 706                             |
| Acreage, production, and value..                                                                                         | 602, 630, 633, 645           | Bread ( <i>see also</i> Bakery products).....                          | 301, 308, 519                                  |
| Of irrigated crop.....                                                                                                   | 563, 567                     | Brick.....                                                             | 300, 303, 389, 488, 538, 730, 731              |
| Consumed in flour mills.....                                                                                             | 672                          | Bricklayers and stonemasons.....                                       | 56, 331                                        |
| Foreign trade.....                                                                                                       | 419, 470, 520                | Brick, tile, terra cotta, and fire-clay products.....                  | 57, 59, 322, 326, 488, 538, 730, 731, 750, 793 |
| Prices.....                                                                                                              | 301, 633, 645, 669, 670      | British Africa.....                                                    | 416, 452, 454, 706                             |
| Receipts at Atlantic ports.....                                                                                          | 668                          | British East Indies.....                                               | 416, 450, 454, 706                             |
| Barrels, drums, and kegs, steel.....                                                                                     | 541, 752                     | British Guiana.....                                                    | 416, 448                                       |
| Barite.....                                                                                                              | 894, 898                     | British Honduras.....                                                  | 415, 448                                       |
| Basalt.....                                                                                                              | 694, 695, 729                | British India. <i>See</i> India.                                       |                                                |
| Baskets, and rattan and willow ware.....                                                                                 | 535, 744                     | British Malaya.....                                                    | 276, 277, 450, 454, 706                        |
| Bathtubs, lavatories, etc.                                                                                               | 491                          |                                                                        |                                                |
| Batteries.....                                                                                                           | 495, 778                     |                                                                        |                                                |
| Bauxite.....                                                                                                             | 492, 542, 697, 707           |                                                                        |                                                |

|                                                | Page                            |                                                | Page                                   |
|------------------------------------------------|---------------------------------|------------------------------------------------|----------------------------------------|
| British Oceania.....                           | 452                             | Carrots.....                                   | 663                                    |
| British West Indies.....                       | 415, 448, 706                   | Cars, railway (see also Motor vehicles).....   | 327                                    |
| Brokers and agents.....                        | 61, 190, 296, 297               | 373-374, 394, 395, 504, 756, 763               |                                        |
| Brokers' loans.....                            | 289                             | Cartage and trucking establishments.....       | 806                                    |
| Bromine production.....                        | 698                             | Cash.....                                      | 519, 619, 627                          |
| Broomcorn.....                                 | 477, 631, 635                   | Cash registers, adding machines, etc.....      | 327, 501, 755, 777                     |
| Broom factories and brooms.....                | 58, 60, 477, 758                | Casings, sausage.....                          | 468, 513, 627                          |
| Brushes.....                                   | 512, 550, 758                   | Casings, tubes, etc. See Tires and tubes.      |                                        |
| Buckwheat.....                                 | 470, 602, 630, 633, 670, 672    | Cassava. See Tapioca, etc.                     |                                        |
| Building and loan associations.....            | 257, 258, 266                   | Cast-iron pipe.....                            | 802, 327, 400, 540, 701, 704, 708, 761 |
| Building materials:                            |                                 | Castor beans.....                              | 525                                    |
| Cost of, used in construction.....             | 815, 816                        | Casualty, surety, and miscellaneous insur-     |                                        |
| Prices.....                                    | 299, 300, 303, 814              | ance.....                                      | 287, 288                               |
| Wholesale and retail establishments.....       | 793                             | Cattle:                                        |                                        |
| 796, 797, 817                                  |                                 | Foreign trade.....                             | 460, 513                               |
| Building operations.....                       | 807-813, 815, 816               | Grazing in national forests.....               | 676                                    |
| Building trades, wages and hours of labor..... | 322, 331                        | Inspected and slaughtered.....                 | 618, 627                               |
| Buildings. See Building operations and Resi-   |                                 | Number and value.....                          | 601, 602, 609, 610, 612, 613           |
| dential buildings.                             |                                 | Prices.....                                    | 301, 616, 617                          |
| Bulgaria.....                                  | 276, 450                        | Receipts and shipments at markets.....         | 614, 615                               |
| Bunker coal for vessels in foreign trade.....  | 496, 717                        | Traffic movement.....                          | 337                                    |
| Bunker oil for vessels in foreign trade.....   | 496, 723                        | Cattle feed, prices.....                       | 300, 303                               |
| Burglary and theft insurance.....              | 238                             | Cauliflower.....                               | 653                                    |
| Burlap.....                                    | 311, 467, 484, 520              | Celobes, trade with United States.....         | 416                                    |
| Bus transportation.....                        | 321, 396, 397, 400, 401         | Celery.....                                    | 653                                    |
| Business failures.....                         | 294-297                         | Cement:                                        |                                        |
| Busses, motor.....                             | 400, 401, 603, 783              | Summary.....                                   | 728, 729                               |
| Butter (see also Dairy products):              |                                 | Apparent consumption (shipments).....          | 728                                    |
| Cold-storage holdings.....                     | 620, 623                        | Foreign trade.....                             | 420, 487, 537, 723                     |
| Employment and pay roll in industry.....       | 326                             | Manufactures.....                              | 322, 326, 760, 766                     |
| Foreign trade.....                             | 467, 514                        | Prices.....                                    | 300, 303                               |
| Manufacture.....                               | 619-621, 624, 627, 738          | Production.....                                | 698, 728, 730                          |
| Prices.....                                    | 301, 308, 309, 617, 620         | Stocks.....                                    | 728                                    |
| Production.....                                | 619-621, 624, 627               | Traffic movement.....                          | 380, 407                               |
| Receipts at leading markets.....               | 620                             | Wholesale establishments.....                  | 793                                    |
| Traffic movement.....                          | 338                             | Central American States, trade with United     |                                        |
| Butterfat.....                                 | 619, 620                        | States (see also each State).....              | 415, 448, 454, 706                     |
| Button factories and buttons.....              | 58, 60, 511, 550, 758           | Cereal preparations, manufacture.....          | 673, 739                               |
| Cabbage.....                                   | 308, 653                        | Cereals (see also individual cereals).....     | 300                                    |
| Cable systems.....                             | 346, 347                        | 307, 470, 519, 563, 567, 630                   |                                        |
| Cable transfers, exchange rates.....           | 276, 277                        | Ceylon.....                                    | 416, 450, 454                          |
| Cadmium, production.....                       | 697                             | Chain stores.....                              | 769, 800, 802                          |
| Calcium-magnesium chloride production.....     | 698                             | Chalk.....                                     | 483, 593                               |
| Calculating machines, etc.....                 | 327, 501, 755, 777              | Charities, hospitals, and corrections—expendi- |                                        |
| Call money, interest rates, New York.....      | 278, 279                        | tures for, by States, etc.....                 | 205, 206, 219, 221, 223, 224           |
| Calves.....                                    | 610, 616-618, 627               | Chauflours.....                                | 60                                     |
| Canada.....                                    | 276, 277, 283, 551              | Check payments.....                            | 269-271                                |
| Trade with United States.....                  | 416, 448, 454, 664, 706         | Cheese:                                        |                                        |
| Canal Zone, schools.....                       | 111-115                         | Cold-storage holdings.....                     | 620, 623                               |
| Canals, New York State (see also Panama        |                                 | Foreign trade.....                             | 467, 514                               |
| Canal and St. Marys Falls Canal).....          | 405                             | Manufactures.....                              | 619-621, 627, 738                      |
| Canzary Islands.....                           | 415, 452                        | Prices.....                                    | 301, 308-310, 617, 620                 |
| Candles.....                                   | 512, 747                        | Production.....                                | 619-621, 627, 738                      |
| Candy and candy stores. See Confectionery.     |                                 | Receipts at leading markets.....               | 620                                    |
| Cane (sugar).....                              | 602, 630, 657, 658, 673         | Chemicals and allied products:                 |                                        |
| Cane sugar. See Sugar.                         |                                 | Corporation tax returns.....                   | 189-190, 195, 198                      |
| Canes. See Umbrellas and canes.                |                                 | Employment and pay roll in industry, in-       |                                        |
| Canned goods (see also Canning and preserv-    |                                 | dexes of.....                                  | 325, 326                               |
| ing industry):                                 |                                 | Foreign trade.....                             | 419, 420, 459, 504, 545                |
| Foreign trade.....                             | 406, 471, 472, 513, 521         | Manufacture.....                               | 736, 746, 771-774                      |
| Prices.....                                    | 301, 307, 600                   | Persons employed in industry.....              | 57, 58, 736, 746                       |
| Production.....                                | 627, 672, 688-690               | Prices.....                                    | 299, 300, 303                          |
| Traffic movement.....                          | 389, 407                        | Traffic movement.....                          | 389                                    |
| Canning and preserving industry:               |                                 | Wholesale establishments.....                  | 791                                    |
| Summary.....                                   | 738                             | Cherries.....                                  | 472, 521, 567, 602, 631, 654, 672      |
| Employment and pay roll indexes.....           | 325                             | Chewing gum.....                               | 473, 739                               |
| Persons employed.....                          | 57, 59, 738                     | Chicago, financial statistics.....             | 218-221, 235, 269, 270                 |
| Products.....                                  | 627, 672, 688-690               | Chickens (see also Poultry).....               | 308, 602, 609-611, 619, 622            |
| Cantaloups.....                                | 553                             | Children under institutional care.....         | 78, 79                                 |
| Cape Verde Islands.....                        | 416                             | Ohile.....                                     | 276, 277                               |
| Capital issues.....                            | 292-294                         | Trade with United States.....                  | 416, 448, 454, 706                     |
| Capital stock:                                 |                                 | China.....                                     | 276, 277                               |
| Of all corporations.....                       | 189, 190                        | Trade with United States.....                  | 416, 452, 454, 654, 706                |
| Of railroads.....                              | 377, 378                        | China firing and decorating.....               | 760                                    |
| Taxes on.....                                  | 175, 176                        | Chinese, number in United States.....          | 10, 11, 13, 17                         |
| Cars and railroad shops.....                   | 56                              | Chinese wood (or nut) oil. See Tung oil.       |                                        |
| 57, 59, 327, 735, 737, 753, 757                |                                 | Chocolate and cocoa.....                       | 473, 523, 665, 673, 788                |
| Car building.....                              | 327, 756, 783                   | Chromite, production.....                      | 697                                    |
| Carbon and manufacture of.....                 | 488, 539, 778                   | Churches.....                                  | 68, 69, 812                            |
| Carbon black, bone black, etc.....             | 507, 747, 773                   | Cider and vinegar.....                         | 730                                    |
| Carbon paper and inked ribbons.....            | 610, 758                        | Cigars and cigarettes:                         |                                        |
| Cargo tonnage. See Tonnage.                    |                                 | Employment and pay roll in industry.....       | 327                                    |
| Car loadings, railway.....                     | 390                             | Foreign trade and shipments.....               | 476, 527, 556, 557                     |
| Carpenters.....                                | 56, 381                         | Hours of labor and earnings in industry.....   | 321                                    |
| Carpets and rugs (see also Rug-cleaning estab- |                                 | Leaf tobacco consumed in manufacture.....      | 737                                    |
| lishments).....                                | 58, 60, 303, 323, 741, 743, 768 | Manufactures.....                              | 757, 788                               |
| Foreign trade.....                             | 480, 532                        | Prices.....                                    | 303                                    |
| Carriages, wagons, etc.....                    | 57, 59, 504, 756, 783           | Production, number.....                        | 788                                    |
|                                                |                                 | Cigar stores and cigar stands.....             | 790, 797, 799, 817                     |

|                                                                          | Page                                        |                                                                            | Page                                   |
|--------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------------------|----------------------------------------|
| Circulation of money.....                                                | 225, 227                                    | Coinage of mints.....                                                      | 225                                    |
| Circulation of newspapers and periodicals.....                           | 776                                         | Coke (see also Coke and coal):                                             |                                        |
| Cities, principal (see also City governments):                           |                                             | Summary.....                                                               | 715                                    |
| Bank debits.....                                                         | 270, 271                                    | Foreign trade.....                                                         | 486, 537, 715                          |
| Building operations.....                                                 | 809-812                                     | Manufacture.....                                                           | 300, 302                               |
| Climatic conditions.....                                                 | 136-147                                     | Prices.....                                                                | 608, 715, 721, 725, 726                |
| Cost of living indexes.....                                              | 305                                         | Production.....                                                            | 388, 390                               |
| Fatalities caused by motor vehicles.....                                 | 367-369                                     | Traffic movement.....                                                      | 420, 423                               |
| Finances.....                                                            | 218-224                                     | Coke and coal.....                                                         | 380, 407, 410, 420, 403                |
| Fire losses.....                                                         | 281                                         | Coke-oven products and byproducts.....                                     | 748, 771                               |
| Population.....                                                          | 5, 20-25                                    | Coke ovens, men employed, accidents, etc.....                              | 620, 622, 623                          |
| Prices of coal and gas.....                                              | 719, 722                                    | Cold-storage holdings.....                                                 | 470, 741                               |
| Vital statistics.....                                                    | 81, 84, 86, 87, 90, 92                      | Collars and cuffs, men's.....                                              | 108-110, 117-123                       |
| Wholesale and retail trade.....                                          | 795, 800, 801                               | Colleges and universities.....                                             | 270, 410, 448, 454, 706                |
| Citizens, arrivals and departures.....                                   | 105                                         | Columbia.....                                                              | 524, 553, 758                          |
| Citizenship of aliens.....                                               | 33, 100                                     | Combs and hairpins.....                                                    |                                        |
| Citrus fruits.....                                                       | 301, 387, 472, 521, 563, 567, 631, 636, 654 | Commerce:                                                                  |                                        |
| City governments, finances of.....                                       | 205, 209, 215, 218-224                      | Domestic.....                                                              | 380-390, 403-407, 413                  |
| Civilian Conservation Corps.....                                         | 355                                         | Foreign. See Foreign trade.                                                |                                        |
| Civil service examinations, appointments, employees, and retirement..... | 156-159                                     | Intercoastal.....                                                          | 403, 404, 413                          |
| Civil service retirement fund.....                                       | 159                                         | Traffic through Panama Canal.....                                          | 511                                    |
| Civil Works Administration.....                                          | 163, 167, 169, 170, 173                     | With noncontiguous territories.....                                        | 413, 429, 552-558                      |
| Claims.....                                                              | 166, 170                                    | Commercial failures.....                                                   | 204-207                                |
| Clams.....                                                               | 672, 685, 689                               | Commercial schools.....                                                    | 120, 123                               |
| Clay.....                                                                | 419, 487, 538, 594, 598                     | Commodity Credit Corporation.....                                          | 166, 170, 267                          |
| Clay products (see also Stone, clay, etc., industry).....                | 419, 487, 538, 598, 730, 731, 750           | Commodity exchanges, volume of futures trading and taxes on sales.....     | 176, 288                               |
| Persons employed in industry.....                                        | 57, 59, 760                                 | Compensation and pensions, military and naval.....                         | 151-153, 155, 170                      |
| Cleaning and polishing preparations.....                                 | 747                                         | Concrete mixers.....                                                       | 498, 777                               |
| Cleaning, dyeing, pressing, etc., establishments.....                    | 350, 805, 806                               | Concrete and concrete products.....                                        | 407, 705                               |
| Clearing house exchanges.....                                            | 268                                         | Condensed milk.....                                                        | 309, 467, 514, 619, 621, 627, 738      |
| Clerical occupations, persons engaged in.....                            | 54                                          | Confectionery.....                                                         | 326, 473, 523, 738, 792, 796, 797      |
|                                                                          | 55, 64, 67                                  | Congressional representation by States.....                                | 102                                    |
| Climatic conditions at selected stations.....                            | 136-147                                     | Construction industry (see also Highways):                                 |                                        |
| Clock and watch factories, and clocks, watches, etc.....                 | 58, 59, 327, 511, 549, 754, 792             | Summary of census statistics of construction establishments.....           | 815, 810                               |
| Cloths and clothing (see also Textile industry):                         |                                             | Construction contracts and building permits.....                           | 807-812                                |
| Foreign trade.....                                                       | 477-482, 528-534                            | Contribution of industry to national income.....                           | 274, 275                               |
| Manufactures.....                                                        | 57-60, 740-742, 767, 768                    | Corporation tax returns.....                                               | 188-191, 196, 198                      |
| Employment and pay-roll indexes.....                                     | 313-315                                     | Explosives used in construction work.....                                  | 785                                    |
| Hours of labor and earnings.....                                         | 289, 300, 302, 304, 305                     | Index of construction costs.....                                           | 814                                    |
| Prices.....                                                              | 792                                         | Projects financed from Federal funds.....                                  | 333, 813                               |
| Wholesale and retail establishments.....                                 | 792, 796, 797, 799, 817                     | Wages paid common labor.....                                               | 322                                    |
| Clover seed.....                                                         | 476, 527, 533, 567, 602, 635, 670           | Construction machinery, equipment, etc.....                                | 407, 498, 777, 793                     |
| Coal:                                                                    |                                             | Construction materials. See Building materials.                            |                                        |
| Summary.....                                                             | 716, 717                                    | Consumers' goods, price index (see also Non-durable goods industries)..... | 304                                    |
| Annual supply of energy from.....                                        | 348                                         | Consumption. See Individual commodities.                                   |                                        |
| Bunker, laden on vessels.....                                            | 486, 717                                    | Continents, trade by.....                                                  | 443-454                                |
| Consumption.....                                                         | 348, 392, 718, 721                          | Contingent liabilities of United States.....                               | 202                                    |
| Foreign trade.....                                                       | 419, 420, 483, 486, 537, 717                | Cooperation.....                                                           | 484, 535, 678, 682, 744                |
| Prices.....                                                              | 300, 302, 309, 311, 717, 719, 720           | Cooperative marketing and purchasing.....                                  | 590, 600                               |
| Production.....                                                          | 604, 608, 716                               | Copper (see also Copper mines):                                            |                                        |
| Traffic movement.....                                                    | 386, 388, 390, 406, 407                     | Summary.....                                                               | 708, 709                               |
| Wholesale and retail establishments.....                                 | 792, 796, 797                               | Consumption.....                                                           | 708                                    |
| Coal land entries of public lands and reserves.....                      | 131, 134                                    | Foreign trade (copper and copper manufactures).....                        | 419, 420, 463, 465, 493, 542, 708, 709 |
| Coal mines:                                                              |                                             | Manufactures.....                                                          | 58, 60, 327, 711, 733                  |
| Summary.....                                                             | 694                                         | Prices.....                                                                | 302, 306, 311, 691                     |
| Accidents and fatalities.....                                            | 732                                         | Production.....                                                            | 604, 607, 708, 709                     |
| Capacity of mines, shipments, tonnage per man, etc.....                  | 717                                         | Traffic movement.....                                                      | 388, 389                               |
| Employment and pay-roll indexes.....                                     | 330                                         | Copper mines.....                                                          | 604, 605                               |
| Explosives used.....                                                     | 785                                         | Copper-lead and copper-lead-zinc ore.....                                  | 697                                    |
| Hours of labor and earnings.....                                         | 321, 695                                    | Coppersmiths and fimsmiths.....                                            | 67                                     |
| Labor strikes.....                                                       | 718                                         | Copra (see also Coconuts).....                                             | 310, 419, 525                          |
| Men employed, days worked, etc.....                                      | 694, 695, 717, 732                          | Cordage and twine.....                                                     | 477, 479, 480, 520, 531, 741, 760, 793 |
| Size of enterprises.....                                                 | 695                                         | Cork.....                                                                  | 486, 535, 744                          |
| Tax returns.....                                                         | 195                                         | Corn:                                                                      |                                        |
| Coal-tar products.....                                                   | 504, 545, 771                               | Summary.....                                                               | 632                                    |
| Coast Guard.....                                                         | 156, 172                                    | By States.....                                                             | 640                                    |
| Cobalt.....                                                              | 543                                         | Acres, production, and value.....                                          | 602, 620, 630, 632, 640                |
| Cocoa and cacao beans (see also Chocolate and cocoa).....                | 310, 419, 473, 523, 673                     | Of irrigated crop.....                                                     | 503, 567                               |
| Cocoa or cacao butter.....                                               | 473, 522, 673                               | Foreign trade.....                                                         | 410, 470, 471, 519, 606                |
| Coconut oil.....                                                         | 475, 525, 557, 621                          | Manufacture.....                                                           | 672, 673                               |
| Tax on.....                                                              | 189, 176                                    | Prices.....                                                                | 301, 309, 632, 641, 666, 670           |
| Coconuts and coconut meat.....                                           | 410, 522, 631                               | Receipts at ports and markets.....                                         | 668                                    |
| Cod and mackerel fisheries.....                                          | 408, 688, 689                               | Stocks, commercial.....                                                    | 667                                    |
| Cod-liver oil.....                                                       | 513                                         | Sweet, truck crop.....                                                     | 553                                    |
| Coffee:                                                                  |                                             | Traffic movement.....                                                      | 387, 407                               |
| Foreign trade.....                                                       | 419, 464, 473, 523, 606, 664                | Volume of future trading.....                                              | 288                                    |
| Prices.....                                                              | 301, 308, 310, 664                          | Corn meal.....                                                             | 308, 470, 608, 672                     |
| Traffic movement.....                                                    | 407                                         |                                                                            |                                        |
| Coffins, undertakers' goods, etc.....                                    | 744                                         |                                                                            |                                        |

|                                                           | Page                                             |                                                           | Page                                        |
|-----------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------|---------------------------------------------|
| Corn sirup, corn oil, and starch.....                     | 473,                                             | Customs receipts.....                                     | 163, 164, 166, 168, 455                     |
|                                                           | 477, 522, 673, 739                               | Calculated duties and ratio to value.....                 | 427,                                        |
| Corporations:                                             |                                                  | By tariff schedules.....                                  | 436, 459-461                                |
| Analysis of receipts and disbursements.....               | 186-188                                          | Cost of collecting.....                                   | 459-461                                     |
| Assets and liabilities of.....                            | 189-191                                          | Refunds of receipts.....                                  | 172                                         |
| By size, as measured by total assets.....                 | 181                                              | Cutlery and edge tools.....                               | 327, 491, 541, 753                          |
| Capital issues.....                                       | 202, 263                                         | Czechoslovakia.....                                       | 203, 276                                    |
| Capital stock tax.....                                    | 175, 176                                         | Trade with United States.....                             | 450, 454                                    |
| Dividend payments.....                                    | 187, 189, 291                                    |                                                           |                                             |
| Income tax and income-tax returns.....                    | 176,                                             | Dairy cows.....                                           | 609, 613, 616                               |
|                                                           | 178, 186-193                                     | Dairy products ( <i>see also individual products</i> ):   |                                             |
| Prices and yields of stocks and bonds.....                | 290, 291                                         | Farm value and income from.....                           | 601, 602                                    |
| Profits.....                                              | 187, 188, 191, 232                               | Foreign trade.....                                        | 467, 514, 606-608                           |
| Corsets and allied garments.....                          | 326, 482, 742                                    | Indexes of volume of production.....                      | 605                                         |
| Cosmetics, perfumery, etc.....                            | 508, 548, 747, 774                               | Manufacture.....                                          | 610-621, 624, 627, 758                      |
| Cost of government. <i>See</i> Governmental cost          |                                                  | Prices.....                                               | 300, 301, 307, 605, 620                     |
| payments.                                                 |                                                  | Production on farms.....                                  | 618, 624                                    |
| Cost of living, index numbers.....                        | 304, 305, 312, 606                               | Retail and wholesale establishments.....                  | 792, 796, 797                               |
| Compared with wages.....                                  | 312                                              | Dairymen's supplies, etc.....                             | 308, 502, 544, 777                          |
| Costa Rica, trade with United States.....                 | 415, 448                                         | Dance-hall keepers. <i>See</i> Billiard rooms, etc.       |                                             |
| Cotton:                                                   |                                                  | Danzig.....                                               | 415                                         |
| Summary.....                                              | 629, 634, 692                                    | Dates.....                                                | 521                                         |
| By States.....                                            | 647-649                                          | Deaf, schools for.....                                    | 124, 125                                    |
| Acreage, production, and value.....                       | 601,                                             | Deafmutes.....                                            | 59                                          |
|                                                           | 602, 605, 629, 631, 634, 647, 662                | Death and death rates. <i>See</i> Vital statistics:       |                                             |
| Of irrigated crop.....                                    | 503, 507                                         | Debts to individual bank accounts.....                    | 269-271                                     |
| Consumption.....                                          | 662, 784, 785                                    | Debts ( <i>see also</i> Public debt):                     |                                             |
| Foreign trade.....                                        | 419, 463, 477, 528, 609-603, 682, 684            | Estimated long-term, public and private.....              | 275                                         |
| By countries.....                                         | 477, 662, 683, 784                               | Of foreign governments to United States,                  |                                             |
| Linters.....                                              | 391, 309, 310, 607, 603, 634, 647, 662, 669, 670 | payments on account of and amounts due.....               | 163,                                        |
| Prices.....                                               | 300, 302                                         | Defense, national, expenditures for.....                  | 168, 169, 203                               |
| Stocks in consuming establishments.....                   | 784                                              | Denmark.....                                              | 166, 172, 173                               |
| Traffic movement.....                                     | 387, 407                                         | Trade with United States.....                             | 415, 450, 454                               |
| Wholesale establishments.....                             | 792                                              | Density of population.....                                | 2, 3                                        |
| Cotton and cottonseed, price index.....                   | 605                                              | Dental goods.....                                         | 509, 548, 758                               |
| Cotton compresses and gins.....                           | 501, 777                                         | Dentistry, students in.....                               | 120                                         |
| Cotton manufactures:                                      |                                                  | Department stores.....                                    | 62, 796, 797, 799, 803, 817                 |
| Summary.....                                              | 740, 767                                         | Depositors, bank, savings.....                            | 253-255                                     |
| Consumption of cotton.....                                | 602, 784, 785                                    | Deposits:                                                 |                                             |
| Employment and pay rolls.....                             | 326                                              | All reporting banks.....                                  | 241, 242, 244, 245                          |
| Foreign trade in products.....                            | 419, 460, 463, 464, 477, 528                     | Federal Reserve banks.....                                | 228                                         |
| Hours of labor and earnings, cotton goods in-             |                                                  | Federal Reserve member banks.....                         | 237, 238                                    |
| dustry.....                                               | 313                                              | In insured banks.....                                     | 250, 251                                    |
| Prices of products.....                                   | 300, 302                                         | Loan and trust companies.....                             | 243, 244                                    |
| Spindles and spindle hours.....                           | 784, 785                                         | National banks.....                                       | 242, 244, 246-248, 253                      |
| Cottonseed:                                               |                                                  | Postal Savings System.....                                | 256                                         |
| Summary.....                                              | 634                                              | Private banks.....                                        | 243, 244                                    |
| By States.....                                            | 647-649                                          | Savings banks.....                                        | 243, 244, 253, 255                          |
| Consumption by mills.....                                 | 603                                              | Savings, in banks.....                                    | 253-255                                     |
| Foreign trade.....                                        | 520, 525                                         | State banks.....                                          | 242, 243                                    |
| Prices.....                                               | 634, 647-649, 670                                | Desert land entries of public lands.....                  | 126, 131                                    |
| Production and value.....                                 | 602, 631, 634, 647, 663                          | Diamonds.....                                             | 539, 792                                    |
| Of irrigated crop.....                                    | 503, 507                                         | Diatomite and tripoli, production.....                    | 098                                         |
| Cottonseed and products, traffic movement.....            | 387                                              | Disability compensation and allowance, vet-               |                                             |
| Cottonseed products:                                      |                                                  | erans.....                                                | 151, 153                                    |
| Summary (production, value, and exports).....             | 603                                              | Disabled persons, vocational rehabilitation               |                                             |
| Foreign trade.....                                        | 471, 473, 475, 520, 522, 603                     | for.....                                                  | 128                                         |
| Manufacture.....                                          | 326, 663, 748                                    | Discount and open-market operations of Fed-               |                                             |
| Prices.....                                               | 301, 303, 309, 603                               | eral Reserve banks.....                                   | 228, 230-232, 234                           |
| County governments, finances of.....                      | 205, 208, 209, 215                               | Discount rates of Federal Reserve banks.....              | 232                                         |
| Cows.....                                                 | 466, 609, 610, 613, 616                          | Disenses, deaths from.....                                | 83, 91                                      |
| Crabs.....                                                | 515, 687-689                                     | Distilled liquors. <i>See</i> Liquors.                    |                                             |
| Cranberries.....                                          | 602, 631, 636                                    | Dividends.....                                            | 187, 189, 238, 241, 249, 274, 291, 377, 378 |
| Cranes.....                                               | 408, 777                                         | Divorced persons.....                                     | 44-47                                       |
| Cream sold on farms.....                                  | 619                                              | Divorces and annulments.....                              | 83, 94                                      |
| Crop land, acreage ( <i>see also under</i> Crops).....    | 574, 575, 582, 583                               | Domestic and personal service.....                        | 54, 55, 64, 66, 67                          |
| Crop loans.....                                           | 280, 261                                         | Dominican Republic.....                                   | 415, 448, 706                               |
| Crops ( <i>see also individual crops and Agricultural</i> |                                                  | Drainage of farm lands and drainage enter-                |                                             |
| products):                                                |                                                  | prises.....                                               | 508, 539                                    |
| Acreage harvested.....                                    | 570, 574, 582, 583                               | Dressmakers and seamstresses.....                         | 56                                          |
| Acreage, production, and value, all crops.....            | 630                                              | Drinking places.....                                      | 796, 797, 817                               |
| Farm value and income from.....                           | 601-603                                          | Drugs and druggists' preparations.....                    | 300,                                        |
| By States.....                                            | 603                                              |                                                           | 326, 476, 504, 525, 545, 747, 774           |
| Indexes of production and yield.....                      | 605, 628                                         | Drug stores and wholesale establishments.....             | 62,                                         |
| On irrigated lands.....                                   | 562, 503, 566, 567                               |                                                           | 792, 796, 797, 800, 817                     |
| Orchard.....                                              | 508, 567, 631, 654, 655                          | Drums, kegs, and barrels, steel.....                      | 541, 762                                    |
| Truck.....                                                | 563, 602, 605, 653                               | Durable goods industries, employment and                  |                                             |
| Crude materials.....                                      | 304, 437-440, 442-444                            | pay-roll indexes ( <i>see also</i> Producers' goods)..... | 324                                         |
| Cuba.....                                                 | 203, 276, 551                                    | Dry-goods retail stores and wholesale estab-              |                                             |
| Trade with United States.....                             | 415, 448, 454, 706                               | lishments.....                                            | 792, 796, 797, 817                          |
| Cucumbers.....                                            | 653                                              | Dutiable merchandise, imports summary.....                | 427, 436                                    |
| Currents.....                                             | 521, 631                                         | By countries.....                                         | 464                                         |
| Currency, circulation and stock.....                      | 225-227                                          | By economic classes.....                                  | 440, 441                                    |
| Customs area of the United States.....                    | 2                                                | By tariff schedules.....                                  | 459-461                                     |
| Customs districts, trade.....                             | 421, 465-469                                     | Duties on imports. <i>See</i> Customs receipts.           |                                             |



|                                                       | Page                                   |                                                  | Page                                 |
|-------------------------------------------------------|----------------------------------------|--------------------------------------------------|--------------------------------------|
| Dwellings, families, and homes.....                   | 47-52,                                 | Employees—Continued.....                         |                                      |
| 577, 591, 812, 814                                    |                                        | Motor bus lines.....                             | 400, 401                             |
| Dyeing and cleaning establishments.....               | 330, 805, 806                          | Projects financed by Public Works funds          |                                      |
| Dyeing and finishing textiles.....                    | 314, 326, 741                          | and Works Program.....                           | 333                                  |
| Dyestuffs, tanning materials, etc.....                | 419,                                   | Railways.....                                    | 60, 61, 375, 376, 394, 395, 396, 400 |
| 475, 504, 526, 545, 747, 775, 791                     |                                        | Service industries.....                          | 54, 55, 63, 64, 69, 67, 804-806      |
| Earnings. <i>See</i> Profits, Wages, etc., and indi-  |                                        | Telegraph systems.....                           | 61, 345-347                          |
| vidual industries.....                                |                                        | Telephone systems.....                           | 61, 342, 344, 346                    |
| Earths and minerals, ground, etc.....                 | 750                                    | Wholesale and retail trade.....                  | 790-795,                             |
| East Indies ( <i>see also</i> British East Indies and |                                        | 797-801, 817, 818                                |                                      |
| Netherland India).....                                | 416                                    | Employment indexes.....                          | 323-328, 330                         |
| Eating places.....                                    | 790, 797, 799, 817                     | Employment Service, United States, activi-       |                                      |
| Ecuador, trade with United States.....                | 410, 448, 454                          | ties of.....                                     | 336                                  |
| Education:                                            |                                        | Enameling and enameled ware, etc.....            | 327, 491, 764                        |
| Summary of school and college enrollment              |                                        | Engineering courses, students.....               | 120                                  |
| and expenditures.....                                 | 108                                    | Engineers.....                                   | 56, 331                              |
| Commercial schools and courses.....                   | 120, 123                               | Engines (stationary gas) on farms.....           | 597                                  |
| Elementary and secondary schools.....                 | 107-109                                | Engines, turbines, etc.:                         |                                      |
| 111-116                                               |                                        | Employment and pay roll industry.....            | 327                                  |
| Expenditures for.....                                 | 107-111,                               | Foreign trade.....                               | 497, 502, 503, 544                   |
| 114, 116, 205, 206, 219, 221, 223, 224                |                                        | Manufacture.....                                 | 755, 776, 777                        |
| High schools and academies.....                       | 108, 116                               | England. <i>See</i> United Kingdom.              |                                      |
| Kindergartens.....                                    | 108                                    | Engraving.....                                   | 740                                  |
| Land grants for educational purposes.....             | 133                                    | Envelops.....                                    | 486, 745                             |
| Libraries.....                                        | 109, 110, 117, 205, 219, 221, 223, 224 | Erie Canal, freight movement.....                | 405                                  |
| Normal schools and teachers' colleges.....            | 108,                                   | Estate and inheritance taxes.....                | 175, 176,                            |
| 109, 121-123                                          |                                        | 193, 199, 205, 206, 211                          |                                      |
| Nurse training schools.....                           | 123                                    | Estonia.....                                     | 203, 415, 450                        |
| Private and parochial schools.....                    | 108,                                   | Ethiopia, trade with United States.....          | 452                                  |
| 109, 113, 115, 124, 125                               |                                        | Europe, trade with United States.....            | 443-447,                             |
| Professional students.....                            | 110, 119, 120                          | 450, 454, 551, 664                               |                                      |
| Reform schools.....                                   | 123                                    | Evaporated milk.....                             | 301, 487, 514, 619, 621, 627, 738    |
| Schools, colleges, etc., of outlying territories      |                                        | Excelsior, manufacture.....                      | 743                                  |
| and possessions.....                                  | 111-123                                | Exchange rates, foreign.....                     | 276, 277                             |
| Schools for the blind, the deaf, and the men-         |                                        | Exchanges, clearing house.....                   | 208                                  |
| tally deficient.....                                  | 124, 125                               | Exchanges, commodity and stock, trading          |                                      |
| Summer schools.....                                   | 109, 123                               | on.....                                          | 288, 289                             |
| Universities, colleges, and professional              |                                        | Executive Office, expenditures for.....          | 166, 170, 174                        |
| schools.....                                          | 108, 110, 117-121, 123                 | Executive service, Federal, employees and        |                                      |
| Vocational education.....                             | 125-127                                | pay roll.....                                    | 156-159                              |
| Vocational rehabilitation.....                        | 128                                    | Expenditures of States and local governments.    |                                      |
| Educational buildings, construction.....              | 807, 812                               | <i>See</i> Governmental-cost payments.           |                                      |
| Eggplant.....                                         | 553                                    | Expenditures of United States Government:        |                                      |
| Eggs:                                                 |                                        | Summary.....                                     | 163, 165                             |
| Cold-storage holdings.....                            | 622, 623                               | By departments and establishments.....           | 166, 170                             |
| Foreign trade.....                                    | 467, 515                               | By major classifications.....                    | 165-167                              |
| Prices.....                                           | 301, 307-309, 617, 622                 | By months.....                                   | 163                                  |
| Production and value.....                             | 602, 611, 619                          | Details of, by departments.....                  | 170-173                              |
| Receipts at principal markets.....                    | 622                                    | Public debt.....                                 | 163, 165, 166, 173                   |
| Traffic movement.....                                 | 388                                    | Reclamation projects.....                        | 559-561                              |
| Eggs and dairy products, exports.....                 | 606, 607                               | Vocational education and rehabilitation.....     | 127, 128                             |
| Egypt.....                                            | 415, 416, 452, 454                     | Explosives.....                                  | 326, 503, 511, 543, 746, 785, 791    |
| Electoral vote, by parties and States.....            | 161                                    | Exporters, importers, and wholesale dealers..... | 62                                   |
| Electric light and electric motors on farms and       |                                        | Exports. <i>See</i> Foreign trade.               |                                      |
| expenditures for power.....                           | 354, 593, 596, 597                     | Exports in relation to production.....           | 428                                  |
| Electric light and power plants.....                  | 330, 346-354                           | Express companies.....                           | 393                                  |
| Corporation tax returns.....                          | 196                                    | Express revenues of railways.....                | 384                                  |
| Electric motors.....                                  | 352, 495, 496, 507, 735, 778           | Factories. <i>See</i> Manufacturing industry.    |                                      |
| Electric railways. <i>See</i> Railways, electric.     |                                        | Failures:                                        |                                      |
| Electrical machinery, apparatus, and supplies:        |                                        | Bank.....                                        | 252                                  |
| Foreign trade.....                                    | 494, 544                               | Building and loan associations.....              | 258                                  |
| Manufacturers.....                                    | 58, 60, 322, 327, 755, 777, 778        | Commercial.....                                  | 294-297                              |
| Prices of electric household equipment.....           | 303                                    | Railway receivership.....                        | 376, 398                             |
| Wholesale establishments.....                         | 792                                    | Falkland Islands, trade with United States.....  | 448                                  |
| Electrical repair shops.....                          | 805                                    | Families ( <i>see also</i> Dwellings, etc.)..... | 47-52, 812                           |
| Electricity, production, prices, sales.....           | 300, 302, 348-355                      | Far East, trade with United States.....          | 462                                  |
| Electricians.....                                     | 50, 331                                | Farm animals. <i>See</i> Animals, domestic.      |                                      |
| Electrification, industrial.....                      | 735                                    | Farm Credit Administration.....                  | 157, 166, 170                        |
| Electrodes.....                                       | 488, 778                               | Farm Credit Administration agencies—loans,       |                                      |
| Electroplating.....                                   | 754                                    | etc.....                                         | 200-295, 267                         |
| Elevated and subway railways.....                     | 300                                    | Farm gardens.....                                | 602                                  |
| Elevators and elevator equipment.....                 | 498, 755, 777                          | Farm implements and machinery. <i>See</i> Agri-  |                                      |
| Embroideries ( <i>see also</i> Laces).....            | 529, 530, 533, 742                     | cultural implements, etc.                        |                                      |
| Emergency Conservation Work.....                      | 166, 335                               | Farm income.....                                 | 601-604                              |
| Emery and products.....                               | 488, 539, 698                          | Farm laborers, wages, etc.....                   | 55, 591, 593, 595, 606               |
| Emmer and spelt.....                                  | 630                                    | Farm loan and governmental agencies, bonds       |                                      |
| Employees ( <i>see also</i> Employment indexes):      |                                        | issued and outstanding.....                      | 202, 204, 263, 292, 293              |
| Coal mines.....                                       | 56, 694, 695, 717, 732                 | Farm mortgage loans.....                         | 240,                                 |
| Each gainful occupation.....                          | 55-64                                  | 246, 249, 280-284, 275, 588-590                  |                                      |
| Electric light and power plants.....                  | 58, 60, 352                            | Farm population.....                             | 8, 570, 591                          |
| Federal service.....                                  | 156-159                                | Farm prices, index numbers.....                  | 298, 605, 606                        |
| Hotels.....                                           | 806                                    | Farm products. <i>See</i> Agricultural products. |                                      |
| Manufactures ( <i>see also</i> Wage earners, manu-    |                                        | Farmers and farm laborers.....                   | 55, 96, 91                           |
| factures).....                                        | 733                                    | Working for pay off their farms.....             | 590                                  |
| Manufacturing and mechanical indus-                   |                                        | Farmers' business associations.....              | 599, 600                             |
| tries.....                                            | 54-60, 66, 67                          | Farmers' supplies, wholesale and retail estab-   |                                      |
| Mineral industries.....                               | 54-56, 66, 67, 692-695, 732            | lishments.....                                   | 792, 796, 797, 817                   |

| Farms (see also Agricultural products):                                          | Page                    | Fish—Continued.                                                                                       | Page                        |
|----------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------|
| Summary of statistics.....                                                       | 570                     | Products of fisheries.....                                                                            | 685-689                     |
| Acreage..... 570, 572-575, 579, 581-583, 585-587                                 |                         | Propagation.....                                                                                      | 690                         |
| Crop land harvested..... 570, 574, 582, 583                                      |                         | Wholesale establishments.....                                                                         | 792                         |
| By color of operator..... 579, 585-587                                           |                         | Fisheries.....                                                                                        | 408, 585-590                |
| Drainage.....                                                                    | 583, 590                | Fishermen and oystermen.....                                                                          | 55, 587                     |
| Electricity used on..... 354, 593, 596, 597                                      |                         | Fish oils.....                                                                                        | 470, 518, 589               |
| Expenditures for labor, fertilizer, feed, equipment, etc.....                    | 592, 593, 604           | Flume. See Yugoslavia.                                                                                |                             |
| Facilities reported on farms.....                                                | 596, 597                | Five-and-ten-cent and to-a-dollar stores.....                                                         | 82, 796, 797, 799, 802, 817 |
| Irrigation..... 562-564, 566, 567                                                |                         | Flags and banners.....                                                                                | 742                         |
| Mortgage status and debt..... 588-590                                            |                         | Flax oiling extracts and sirups.....                                                                  | 473, 739                    |
| Number..... 570, 572, 578-580, 583, 585-587                                      |                         | Flax, hemp, and jute, dutiable imports and duties.....                                                | 461                         |
| Number reporting sales through farmers' organizations.....                       | 569                     | Flax, hemp, and ramie.....                                                                            | 480, 530                    |
| Population on..... 8, 570, 581                                                   |                         | Flaxseed.....                                                                                         | 933                         |
| Size.....                                                                        | 578                     | Summary.....                                                                                          | 933                         |
| Taxes.....                                                                       | 594, 604                | Acreage, production and value.....                                                                    | 602, 630, 633               |
| Tonnage.....                                                                     | 579-587                 | Foreign trade.....                                                                                    | 526, 666                    |
| Value of farm property..... 570, 571, 576, 577, 584-587                          |                         | Prices.....                                                                                           | 301, 310, 633, 666, 670     |
| Value of livestock..... 570, 577, 600, 610                                       |                         | Floor coverings (see also Carpets and rugs).....                                                      | 481                         |
| Fatalities. See Accidents and fatalities.                                        |                         | 534, 743, 769, 762                                                                                    |                             |
| Fats. See Oils and also Lard.                                                    |                         | Floor composition, wall board, plaster, etc.....                                                      | 750                         |
| Feathers and plumes.....                                                         | 470, 510, 758           | Flour (see also Flour and grain mills):                                                               |                             |
| Federal aid for public roads..... 166, 171, 357, 361, 362                        |                         | Foreign trade.....                                                                                    | 419, 471, 519, 667          |
| Federal corporations and credit agencies, summary of assets and liabilities..... | 267                     | Freight rates.....                                                                                    | 671                         |
| Federal Deposit Insurance Corporation:                                           |                         | Prices.....                                                                                           | 301, 308, 309               |
| Assets and liabilities of.....                                                   | 267                     | Production.....                                                                                       | 672                         |
| Banks insured by.....                                                            | 250, 251                | Receipts at Atlantic ports.....                                                                       | 668                         |
| Federal Emergency Relief Administration.....                                     | 157,                    | Traffic movement.....                                                                                 | 387, 406                    |
| 166, 170, 334, 335                                                               |                         | Flour and grain mills.....                                                                            | 57, 59, 326, 672, 739       |
| Federal employees, civil.....                                                    | 156-159                 | Flowers, artificial.....                                                                              | 482, 758                    |
| Federal estate tax.....                                                          | 175, 176, 198, 199      | Fluorspar.....                                                                                        | 638, 694, 698               |
| Federal Farm Mortgage Corporation.....                                           | 166,                    | Fodder and feed (see also Feed and Hay).....                                                          | 471,                        |
| 202, 260-263, 267                                                                |                         | 520, 606, 607                                                                                         |                             |
| Federal Government finances. See Receipts and Expenditures, U. S. Government.    |                         | Foils, gold, tin, and other.....                                                                      | 754                         |
| Federal home loan banks.....                                                     | 167, 258, 267           | Food products manufacturing industry:                                                                 |                             |
| Federal intermediate credit banks..... 260, 261, 265-267                         |                         | Summary.....                                                                                          | 736, 738                    |
| Federal land banks..... 166, 172, 200-263, 266, 267                              |                         | Employment and pay-roll indexes.....                                                                  | 325, 326                    |
| Federal reserve banks. See under Banks.                                          |                         | Persons employed.....                                                                                 | 57, 59, 730, 738            |
| Federal Reserve notes.....                                                       | 226, 226, 229           | Production index.....                                                                                 | 706                         |
| Federal Savings and Loan Insurance Corporation:                                  |                         | Tax returns.....                                                                                      | 187-190, 195, 197           |
| Assets and liabilities of.....                                                   | 267                     | Food stores and wholesale establishments.....                                                         | 792,                        |
| Institutions insured by.....                                                     | 258                     | 793, 797, 799, 802, 817                                                                               |                             |
| Feeble-minded persons.....                                                       | 70-73, 124, 125         | Foodstuffs (see also individual commodities and Food stores, etc.):                                   |                             |
| Food:                                                                            |                         | Foreign trade.....                                                                                    | 428, 437-444                |
| Expenditures for, on farms.....                                                  | 592                     | Manufacture.....                                                                                      | 627, 672, 673, 736, 738     |
| Foreign trade..... 471, 520, 600, 607                                            |                         | Prices.....                                                                                           | 298-301, 304-308, 605, 606  |
| Manufacture.....                                                                 | 672, 730                | Forage, acreage and production.....                                                                   | 553, 597, 630               |
| Prices.....                                                                      | 300, 303                | Foreign capital issues in United States.....                                                          | 262-264                     |
| Wholesale establishments.....                                                    | 792                     | Foreign exchange rates.....                                                                           | 276, 277                    |
| Feldspar production.....                                                         | 694, 698                | Foreign government obligations to United States, receipts on account of and amounts due and paid..... | 160, 168, 169, 203          |
| Felt goods.....                                                                  | 480, 481, 532, 740, 768 | Foreign mails, weight.....                                                                            | 340                         |
| Fermented malt liquors. See Malt liquors.                                        |                         | Foreign trade:                                                                                        |                             |
| Ferro-alloys.....                                                                | 462, 541, 667, 700      | Summary:                                                                                              |                             |
| Fertilizers:                                                                     |                         | Tonnage.....                                                                                          | 403, 413                    |
| Amount sold.....                                                                 | 592, 598                | Value.....                                                                                            | 427, 429, 432-435           |
| Byproducts of fisheries.....                                                     | 680                     | Agricultural and nonagricultural products.....                                                        | 443,                        |
| Farm expenditures for.....                                                       | 592                     | 606-608                                                                                               |                             |
| Foreign trade..... 419, 420, 465, 507, 547                                       |                         | Export indexes.....                                                                                   | 507, 608                    |
| Manufactures..... 57, 68, 326, 747, 773                                          |                         | Balance of international payments (visible and invisible exports and imports).....                    | 430                         |
| Prices.....                                                                      | 300, 303                | Balance of trade.....                                                                                 | 427, 432-435                |
| Traffic movement.....                                                            | 389                     | By coastal districts.....                                                                             | 413, 414, 417-420, 455, 459 |
| Wholesale establishments.....                                                    | 792                     | By commodity groups and articles.....                                                                 | 460-550                     |
| Fidelity insurance.....                                                          | 288                     | By continents.....                                                                                    | 443-454, 551                |
| Figs.....                                                                        | 521, 567, 631           | By countries and commercial regions.....                                                              | 415, 448-454                |
| Files.....                                                                       | 491, 753                | By customs districts.....                                                                             | 455-459                     |
| Filling stations.....                                                            | 766, 797, 800, 817      | By economic classes of commodities.....                                                               | 437-444                     |
| Finance. See respective subjects.                                                |                         | By individual commodities: <sup>1</sup>                                                               |                             |
| Financial corporations, tax returns..... 188-191, 196, 198                       |                         | Exports.....                                                                                          | 466-512                     |
| Finland.....                                                                     | 203, 276                | Animals and animal products, edible.....                                                              | 466, 467                    |
| Trade with the United States.....                                                | 415, 460                | Animals and animal products, inedible.....                                                            | 468-470                     |
| Firearms.....                                                                    | 510, 549, 752           | Vegetable food products and beverages.....                                                            | 470-473                     |
| Fire-clay products. See Clay products.                                           |                         | Vegetable products, inedible, except fibers and wood.....                                             | 474-477                     |
| Fire extinguishers.....                                                          | 512, 754                | Textiles.....                                                                                         | 477-482                     |
| Fire insurance.....                                                              | 280, 281                | Wood and paper.....                                                                                   | 482-486                     |
| Fires and fire losses.....                                                       | 281, 677, 678           | Nonmetallic minerals.....                                                                             | 486-489                     |
| Fireworks.....                                                                   | 548, 746                | Metals and manufactures, except machinery and vehicles.....                                           | 489-494                     |
| Fish:                                                                            |                         | Machinery and vehicles.....                                                                           | 494-504                     |
| Canning and preserving.....                                                      | 672, 688-690, 738       |                                                                                                       |                             |
| Cold-storage holdings.....                                                       | 623                     |                                                                                                       |                             |
| Foreign trade.....                                                               | 467, 514                |                                                                                                       |                             |
| Prices.....                                                                      | 310, 680                |                                                                                                       |                             |

<sup>1</sup> For important individual commodities see references thereto in index. For commodities not indexed separately see reference to appropriate groups shown in italics.

| Foreign trade—Continued.                                       | Page                              | Fuel (see also individual classes):                                           | Page                              |
|----------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------|-----------------------------------|
| By individual commodities—Continued.                           |                                   | Annual supply of energy from.....                                             | 348                               |
| Exports—Continued.                                             |                                   | Consumption.....                                                              | 348, 392, 718                     |
| Chemicals and related products.....                            | 504-508                           | Manufacture.....                                                              | 748                               |
| Miscellaneous.....                                             | 508-512                           | Fuel and lighting, prices.....                                                | 299, 300, 302, 304, 305           |
| Imports.....                                                   | 513-560                           | Fuel oil.....                                                                 | 302, 348, 392, 486, 537, 725-727  |
| Animals and animal products, edible.....                       | 513-515                           | Fuel or bunker coal laden on vessels.....                                     | 486, 717                          |
| Animals and animal products, inedible.....                     | 515-519                           | Fuel or bunker oil laden on vessels.....                                      | 486, 723                          |
| Vegetable food products and beverages.....                     | 519-524                           | Fuller's earth, production.....                                               | 694, 698                          |
| Vegetable products, inedible, except fibers and wood.....      | 524-528                           | Funeral directors and embalmers.....                                          | 805                               |
| Textiles.....                                                  | 528-534                           | Fur goods.....                                                                | 419, 464, 469, 517, 758           |
| Wood and paper.....                                            | 534-536                           | Furnaces, blast.....                                                          | 310, 327, 700, 705, 731           |
| Nonmetallic minerals.....                                      | 537-540                           | Furnishing goods, men's.....                                                  | 320, 741, 792, 796, 797, 799      |
| Metals and manufactures of, except machinery and vehicles..... | 540-544                           | Furniture.....                                                                | 300, 389, 485, 491, 535, 744      |
| Machinery and vehicles.....                                    | 544-545                           | Furniture stores and wholesale establishments.....                            | 792, 796, 797, 799, 817           |
| Chemicals and related products.....                            | 545-548                           | Furnishing goods, house.....                                                  | 299                               |
| Miscellaneous.....                                             | 548-550                           | 300, 303-306, 743, 744, 792, 796, 797, 799                                    |                                   |
| By major commodities and coastal districts.....                | 419                               | Furniture manufactures.....                                                   | 88, 99, 319, 326, 744             |
| By method of carriage.....                                     | 426                               | Furs and manufactures.....                                                    | 419, 464, 469, 517, 758           |
| By months.....                                                 | 430, 431                          | Futures trading, taxes on sales and volume of trading.....                    | 176, 288                          |
| By nationality of carrier.....                                 | 414, 426                          |                                                                               |                                   |
| By ports.....                                                  | 404, 417                          | Gadsden Purchase, area and date acquired.....                                 | 1                                 |
| By States and ports.....                                       | 417                               | Galvanizing industry.....                                                     | 752                               |
| By trade regions.....                                          | 416                               | Games and toys.....                                                           | 510, 549, 759, 791                |
| Continental United States.....                                 | 413, 429                          | Garages and garage keepers.....                                               | 796, 797, 806, 817                |
| Dry and tanker cargoes.....                                    | 414                               | Garnet (abrasive), production.....                                            | 698                               |
| Export prices.....                                             | 309, 437, 607, 608                | Garters, suspenders, etc.....                                                 | 482, 742                          |
| Gold and silver.....                                           | 427, 430, 433, 434, 543           | Gas (manufactured and natural):                                               |                                   |
| Import prices.....                                             | 310, 311, 437                     | Compressed and liquefied.....                                                 | 507, 747, 773                     |
| Imports for consumption, summary.....                          | 427, 436                          | Consumption.....                                                              | 348, 720                          |
| Dutiable, by tariff schedules.....                             | 459                               | Manufactured gas industry, summary of statistics.....                         | 721, 748                          |
| Imports, free and dutiable.....                                | 427, 436, 440, 441, 454           | Natural gas produced and marketed.....                                        | 698, 720                          |
| Index numbers of quantity, price, and value.....               | 437                               | Prices.....                                                                   | 300, 302, 722                     |
| In transit and transshipment trade.....                        | 561                               | Gas companies, corporation tax returns.....                                   | 160                               |
| Of noncontiguous territories.....                              | 413, 429, 552-558                 | Gas generators and gas and water meters.....                                  | 501,                              |
| Per capita.....                                                | 435                               |                                                                               | 755, 777                          |
| Reexports of foreign merchandise.....                          | 427, 432, 434                     | Gas oil and fuel oil.....                                                     | 489, 724-727                      |
| Relation of exports to production.....                         | 428                               | Gasoline:                                                                     |                                   |
| Value of principal commodities:                                |                                   | Natural gasoline.....                                                         | 698, 720, 724-726                 |
| Exports.....                                                   | 462                               | Refined.....                                                                  | 302, 309, 486, 724-727            |
| Imports.....                                                   | 464                               | Gasoline taxes (see also Motor-vehicle taxes, etc.).....                      | 176, 206, 364                     |
| Vessels engaged in.....                                        | 408, 420-425                      | Gelatin (see also Glue).....                                                  | 467, 515, 519                     |
| Foreign-born population.....                                   | 10-13,                            | Gems and precious stones.....                                                 | 489, 593, 698                     |
| 10-19, 21, 26-33, 35, 39-43, 46, 47                            |                                   | General merchandise stores and wholesale establishments.....                  | 792, 799, 797, 817                |
| Forest area, stand of timber, timber removed, etc.....         | 674-676, 678                      | Germany.....                                                                  | 270, 277, 551                     |
| Forest fires.....                                              | 677, 678                          | Trade with United States.....                                                 | 416, 450, 454, 694, 706           |
| Forest products (see also individual products):                |                                   | Gibraltar, trade with United States.....                                      | 450                               |
| Corporation tax returns.....                                   | 187-190, 195, 197                 | Glass and glass manufactures.....                                             | 303                               |
| Farm income from.....                                          | 602                               | Glass sand, production.....                                                   | 326, 487, 538, 730, 751, 793      |
| Foreign trade.....                                             | 608                               | Gloves.....                                                                   | 469, 474, 479, 517, 529, 742, 749 |
| Manufactures.....                                              | 736, 743                          | Glucose. See Corn sirup.                                                      |                                   |
| Principal products, production and value.....                  | 678-684                           | Glue.....                                                                     | 470, 519, 747                     |
| Traffic movement.....                                          | 386, 388, 390                     | Glycerin.....                                                                 | 504, 546                          |
| Wholesale establishments.....                                  | 798                               | Goats.....                                                                    | 509, 610, 618, 678                |
| Forestry and fishing, persons engaged in.....                  | 54, 55, 66, 67                    | Gold (see also Gold mines):                                                   |                                   |
| Foundries and machine shops.....                               | 318, 322, 327, 755                | Circulation, coinage, and monetary stock.....                                 | 228, 229                          |
| Fowls. See Poultry.                                            |                                   | earmarked for foreign account.....                                            | 429, 430                          |
| Frames, mirror and picture.....                                | 744                               | Exports and imports.....                                                      | 427, 430, 433, 434, 543           |
| France.....                                                    | 203, 276, 277, 551                | For use in manufactures and the arts.....                                     | 714                               |
| Trade with United States.....                                  | 415, 450, 454, 664, 706           | Leaf and foil.....                                                            | 697, 713                          |
| Fraternal orders, insurance.....                               | 286                               | Production.....                                                               | 714                               |
| Free merchandise imports.....                                  | 427, 436, 440, 441, 454           | Ratio of silver to.....                                                       | 753                               |
| Freight carried by steam railroads.....                        | 379-381,                          | Refining and alloying (gold, silver, etc.).....                               | 228                               |
| 388-390                                                        |                                   | Reserves, Federal Reserve banks.....                                          | 416, 452                          |
| Freight handlers. See Longshoremen.                            |                                   | Gold Coast, trade with United States.....                                     | 416, 452                          |
| Freight rates:                                                 |                                   | Gold mines.....                                                               | 694, 695                          |
| On grain, flour, and provisions.....                           | 670, 671                          | Goldsmiths and silversmiths and jewelers.....                                 | 56                                |
| Per ton-miles (steam railroads).....                           | 380                               | Governmental cost payments (see also Expenditures, United States Government): |                                   |
| Via St. Marys Falls Canal.....                                 | 406                               | All classes of Government organizations.....                                  | 205                               |
| French Africa, trade with United States.....                   | 452                               | All local governments.....                                                    | 205, 208                          |
| French Guiana, trade with United States.....                   | 416, 448                          | Cities.....                                                                   | 205, 209, 218-224                 |
| French Indo-China, trade with United States.....               | 416,                              | States.....                                                                   | 205-207, 211                      |
| 450                                                            |                                   | Government credit agencies, summary of assets and liabilities.....            | 267                               |
| French Oceania, trade with United States.....                  | 452                               | Government employees, Federal, civil.....                                     | 150-159                           |
| French West Indies, trade with United States.....              | 448                               | Gozo, Malte, and Cyprus Islands.....                                          | 450                               |
| Fruits (see also Fruits and nuts):                             |                                   | Grain (see also individual classes):                                          |                                   |
| Summary of production.....                                     | 631                               | Acceage, production, and value.....                                           | 630                               |
| Acceage, production, and value.....                            | 602, 651, 654, 655                | Farm value and farm income from.....                                          | 601, 602                          |
| Of irrigated crop.....                                         | 563, 567                          | Foreign trade.....                                                            | 419, 470, 519, 604-608            |
| Canning and preserving.....                                    | 672                               | Freight rates.....                                                            | 670, 671                          |
| Foreign trade.....                                             | 472, 521, 606                     |                                                                               |                                   |
| Prices.....                                                    | 301, 605, 655                     |                                                                               |                                   |
| Traffic movement.....                                          | 387                               |                                                                               |                                   |
| Fruits and nuts.....                                           | 419, 462, 464, 472, 521, 563, 601 |                                                                               |                                   |
| Fruits and vegetables.....                                     | 300, 307, 387, 407, 792           |                                                                               |                                   |

| Grain—Continued.                                                |                                            | Page                              | Highways—Continued.                                  |                                        | Page                                                 |
|-----------------------------------------------------------------|--------------------------------------------|-----------------------------------|------------------------------------------------------|----------------------------------------|------------------------------------------------------|
| Indexes of volume of production.....                            |                                            | 605                               | Expenditures for.....                                |                                        | 166                                                  |
| Manufacture.....                                                |                                            | 872, 673, 739                     | 171, 205, 206, 219, 221, 223, 224, 357, 360-362      |                                        |                                                      |
| Prices.....                                                     | 300, 301, 605, 608                         |                                   | Source of funds available for.....                   |                                        | 357, 361, 362                                        |
| Receipts at ports and markets.....                              |                                            | 688                               | Wages in road building.....                          |                                        | 322                                                  |
| Traffic movement.....                                           | 387, 390, 406, 406                         |                                   | Hogs. <i>See</i> Swine.                              |                                        |                                                      |
| Wholesale establishments.....                                   |                                            | 792                               | Home economies.....                                  |                                        | 120, 125-127                                         |
| Grain sorghums (kafr, milo, etc.).....                          | 471, 567, 602, 630, 635, 646, 689          |                                   | Home loan banks. <i>See</i> Federal home loan banks. |                                        |                                                      |
| Granite.....                                                    |                                            | 537, 694, 695, 720                | Home Owners' Loan Corporation.....                   | 187, 202, 269, 267                     |                                                      |
| Grape sugar.....                                                |                                            | 473                               | Homes and families.....                              | 47-52, 377, 591                        |                                                      |
| Grapofruit.....                                                 | 472, 521, 567, 681, 654, 672               |                                   | Veterans' homes.....                                 |                                        | 155                                                  |
| Grapes.....                                                     | 472, 521, 567, 602, 631, 654, 655          |                                   | Homestead entries of public land.....                |                                        | 129, 130                                             |
| Graphite.....                                                   | 483, 539, 698, 750                         |                                   | Homicides.....                                       |                                        | 83, 92                                               |
| Grass seed.....                                                 | 476, 527, 563, 567, 602, 630, 670          |                                   | Honduras, trade with United States.....              |                                        | 415, 448                                             |
| Gravel. <i>See</i> Sand, gravel, etc.                           |                                            |                                   | Honey.....                                           |                                        | 475, 523, 602, 619                                   |
| Grease and tallow, manufacture.....                             |                                            | 747                               | Hong Kong.....                                       |                                        | 276, 452, 454, 706                                   |
| Grease, lubricating.....                                        |                                            | 437, 725                          | Hooks and eyes. <i>See</i> Needles, etc.             |                                        |                                                      |
| Great Britain. <i>See</i> United Kingdom.                       |                                            |                                   | Hops.....                                            |                                        | 477, 523, 567, 602, 631, 635                         |
| Great Lakes:                                                    |                                            |                                   | Horns. <i>See</i> Bones, etc.                        |                                        |                                                      |
| Commerce of ports.....                                          | 403, 404, 413, 414, 418, 419, 455          |                                   | Horses.....                                          | 470, 619, 606, 610, 612, 676           |                                                      |
| Vessels engaged in commerce.....                                |                                            | 408, 421                          | Horses and mules.....                                |                                        | 387, 602, 614, 615                                   |
| Greece.....                                                     |                                            | 203, 276                          | Horsehoes.....                                       |                                        | 491, 706                                             |
| Trade with United States.....                                   |                                            | 415, 450, 454                     | Hose, rubber.....                                    |                                        | 475, 775                                             |
| Greenland, trade with United States.....                        |                                            | 415, 448                          | Hosiery.....                                         | 302, 315, 479, 481, 529, 531, 707, 792 |                                                      |
| Grindstones.....                                                |                                            | 488, 698                          | Hospitals ( <i>see also</i> Charities, etc.).....    | 70-73, 151, 155                        |                                                      |
| Grocery stores and wholesale establishments.....                |                                            | 792                               | Hotel keepers, managers, etc.....                    |                                        | 64, 806                                              |
|                                                                 |                                            | 766, 797, 799, 802, 817           | Hotels.....                                          |                                        | 330, 806, 812                                        |
| Guam.....                                                       |                                            | 1, 2, 111-115, 341, 655           | Hours of labor:                                      |                                        |                                                      |
| Guatemala, trade with United States.....                        |                                            | 415, 448                          | Mines and quarries.....                              |                                        | 321, 695                                             |
| Gudana, trade with United States.....                           |                                            | 416, 448                          | Petroleum industry.....                              |                                        | 321                                                  |
| Gulf coast district.....                                        | 413, 414, 417, 419-421, 455, 456, 551      |                                   | Sundry manufacturing industries.....                 |                                        | 313-321                                              |
| Gums, resins, etc.....                                          |                                            | 482, 476, 524, 684                | Union, in specified trades.....                      |                                        | 331, 332                                             |
| Gypsum.....                                                     |                                            | 419, 488, 537, 694, 698           | House-furnishing goods.....                          |                                        | 209, 300, 303-305, 743, 744, 792, 796, 797, 799, 817 |
| Hair and manufactures.....                                      |                                            | 480, 532                          | Housing cost, index of.....                          |                                        | 304, 305                                             |
| Haircloth.....                                                  |                                            | 741                               | Hungary.....                                         |                                        | 233, 276, 450                                        |
| Hair work.....                                                  |                                            | 758                               | Hunters, trappers, and guides.....                   |                                        | 64                                                   |
| Haiti, trade with United States.....                            |                                            | 415, 448                          |                                                      |                                        |                                                      |
| Hams, bacon, etc.....                                           | 301, 308, 309, 400, 617, 627               |                                   |                                                      |                                        |                                                      |
| Handkerchiefs.....                                              | 470, 520, 530, 533, 742                    |                                   |                                                      |                                        |                                                      |
| Harbors. <i>See</i> Waterways, etc.                             |                                            |                                   |                                                      |                                        |                                                      |
| Hardware.....                                                   | 327, 492, 751-753, 792, 796, 797, 800, 817 |                                   |                                                      |                                        |                                                      |
| Harness and saddles.....                                        |                                            | 489, 749                          |                                                      |                                        |                                                      |
| Hats and hat materials:                                         |                                            |                                   |                                                      |                                        |                                                      |
| Foreign trade.....                                              |                                            | 482, 532, 533                     |                                                      |                                        |                                                      |
| Fur and wool felt hat industry.....                             | 57, 59, 320, 740, 768                      |                                   |                                                      |                                        |                                                      |
| Men's hats and caps and materials, manu-<br>factures.....       |                                            | 742, 758                          |                                                      |                                        |                                                      |
| Millinery industry.....                                         |                                            | 320, 742, 792                     |                                                      |                                        |                                                      |
| Hawaii:                                                         |                                            |                                   |                                                      |                                        |                                                      |
| Area, date acquired, and population.....                        | 1, 2, 3, 40                                |                                   |                                                      |                                        |                                                      |
| Banks.....                                                      |                                            | 245, 248, 254                     |                                                      |                                        |                                                      |
| Births and deaths.....                                          |                                            | 92                                |                                                      |                                        |                                                      |
| Cane and cane-sugar production.....                             |                                            | 657, 669                          |                                                      |                                        |                                                      |
| Educational statistics.....                                     |                                            | 111-123, 126, 127                 |                                                      |                                        |                                                      |
| Internal revenue.....                                           |                                            | 177, 180-183, 192-194             |                                                      |                                        |                                                      |
| Trade.....                                                      |                                            | 455, 553, 556, 667                |                                                      |                                        |                                                      |
| Other statistics.....                                           |                                            | 258, 257, 259, 341, 392, 371      |                                                      |                                        |                                                      |
| Hay:                                                            |                                            |                                   |                                                      |                                        |                                                      |
| Summary.....                                                    |                                            | 636                               |                                                      |                                        |                                                      |
| By States.....                                                  |                                            | 651, 652                          |                                                      |                                        |                                                      |
| Acreage, production, and value.....                             |                                            | 602, 630, 636, 651, 652           |                                                      |                                        |                                                      |
| Of irrigated crop.....                                          |                                            | 563, 567                          |                                                      |                                        |                                                      |
| Foreign trade.....                                              |                                            | 471, 520                          |                                                      |                                        |                                                      |
| Prices.....                                                     |                                            | 301, 636, 651, 652, 666, 670      |                                                      |                                        |                                                      |
| Traffic movement.....                                           |                                            | 387                               |                                                      |                                        |                                                      |
| Heading.....                                                    |                                            | 484, 678, 682                     |                                                      |                                        |                                                      |
| Health and sanitation, expenditures for, by<br>States, etc..... |                                            | 205, 200, 210, 221, 223, 224      |                                                      |                                        |                                                      |
| Health insurance.....                                           |                                            | 287, 288                          |                                                      |                                        |                                                      |
| Heating and plumbing equipment and sup-<br>plies.....           |                                            | 360, 487, 491, 752, 793, 796, 797 |                                                      |                                        |                                                      |
| Heating and plumbing repair shops.....                          |                                            | 805                               |                                                      |                                        |                                                      |
| Hemp.....                                                       |                                            | 311, 530                          |                                                      |                                        |                                                      |
| Hemp, flax, and ramie.....                                      |                                            | 461, 480, 530                     |                                                      |                                        |                                                      |
| Hides and skins:                                                |                                            |                                   |                                                      |                                        |                                                      |
| Foreign trade.....                                              |                                            | 410, 464, 468, 515, 606, 607      |                                                      |                                        |                                                      |
| Manufacture.....                                                |                                            | 627                               |                                                      |                                        |                                                      |
| Prices.....                                                     |                                            | 300, 302, 310                     |                                                      |                                        |                                                      |
| Hides and leather products.....                                 |                                            | 299, 300, 302, 338, 419           |                                                      |                                        |                                                      |
| Highways:                                                       |                                            |                                   |                                                      |                                        |                                                      |
| Summary of construction, mileage, etc.....                      |                                            | 357                               |                                                      |                                        |                                                      |
| Construction and mileage, by States.....                        |                                            | 358, 359, 362                     |                                                      |                                        |                                                      |
| Construction financed from Federal funds.....                   |                                            | 166, 362, 813                     |                                                      |                                        |                                                      |

|                                                                  | Page                        |                                                                                                 | Page                                |
|------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------|
| Insane and other mentally disordered in hospitals.....           | 70-73                       | Jute and jute manufactures (see also Flax, hemp, and jute).....                                 | 310, 311, 410, 470, 520, 741, 700   |
| Instruments, professional and scientific.....                    | 509, 543, 753               | Juvenile delinquents.....                                                                       | 77                                  |
| Insurance:                                                       |                             | Kafr (see also Grain sorghums).....                                                             | 669                                 |
| Agents, managers, and officials.....                             | 62                          | Kale.....                                                                                       | 653                                 |
| Casualty, surety, etc.....                                       | 287, 288                    | Kerosene (illuminating oil).....                                                                | 300, 480, 537, 724-727              |
| Fire, marine, and lightning.....                                 | 280, 281                    | Knit goods:                                                                                     |                                     |
| Fraternal orders.....                                            | 286                         | Foreign trade.....                                                                              | 470, 481, 520, 531, 533             |
| Life.....                                                        | 151, 153, 154, 282-289      | Manufactures.....                                                                               | 320, 740, 707                       |
| Miscellaneous, by classes (stock companies).....                 | 288                         | Pieces.....                                                                                     | 300, 302                            |
| Mutual accident and sick benefit.....                            | 287                         | Wholesale establishments.....                                                                   | 792                                 |
| Tax returns by companies.....                                    | 196                         | Kongo, Belgian. See Belgian Congo.                                                              |                                     |
| United States Government.....                                    | 151, 153, 154               | Kwantung, trade with United States.....                                                         | 452, 706                            |
| Insured banks.....                                               | 250, 251                    | Labor. See Hours of labor and Wages.                                                            |                                     |
| Interest payments and receipts (see also under Public debt)..... | 179, 182, 186-188, 274, 377 | Labor income.....                                                                               | 274                                 |
| Interest rates.....                                              | 278, 279, 291               | Labor strikes.....                                                                              | 332, 718                            |
| Intermediate credit banks, Federal.....                          | 200, 261, 265, 267          | Laborers.....                                                                                   | 55, 58-62, 64, 96                   |
| Internal revenue (see also Income tax):                          |                             | Laces and lace goods (see also Embroideries).....                                               | 470,                                |
| Collections, summary.....                                        | 163, 154, 166, 168, 175-177 | Lace.....                                                                                       | 520, 630, 532, 533, 740, 767        |
| Cost of collecting.....                                          | 172                         | Lake traffic.....                                                                               | 403, 404, 413, 414, 418, 419, 456   |
| Refunds of receipts.....                                         | 166, 172                    | Lamb (see also Mutton and lamb).....                                                            | 301, 308, 513                       |
| Internal waterways, traffic.....                                 | 403-407                     | Lambs, prices.....                                                                              | 301, 016, 617                       |
| International payments.....                                      | 430                         | Lampblack. See Carbon black, etc.                                                               |                                     |
| Investment trusts, capital issues.....                           | 283                         | Lamps.....                                                                                      | 406, 512, 544                       |
| Investments of banks. See Banks.                                 |                             | Land (see also Public lands):                                                                   |                                     |
| Iran, trade with United States.....                              | 450                         | Area of United States.....                                                                      | 1, 2                                |
| Iraq (Mesopotamia).....                                          | 416, 450                    | Farm.....                                                                                       | 570, 572-575, 579, 581-583, 585-587 |
| Ireland, trade with United States.....                           | 415                         | In drainage enterprises.....                                                                    | 508, 569                            |
| Irish Free State, trade with United States.....                  | 450                         | Irrigated.....                                                                                  | 562-567                             |
| Iron:                                                            |                             | Leopold work.....                                                                               | 758                                 |
| Ores:                                                            |                             | Lead:                                                                                           |                                     |
| Foreign trade.....                                               | 419, 420, 489, 540, 700     | Summary, consumption, production, etc.....                                                      | 618                                 |
| Prices.....                                                      | 302                         | Cold-storage holdings.....                                                                      | 623                                 |
| Production.....                                                  | 694, 697, 700               | Foreign trade.....                                                                              | 467                                 |
| Shipments.....                                                   | 700                         | Prices.....                                                                                     | 301, 308, 300, 017                  |
| Traffic movement.....                                            | 388, 406                    | Production.....                                                                                 | 618, 627                            |
| Used in blast furnaces.....                                      | 700                         | Lath.....                                                                                       | 484, 489, 535, 682                  |
| Fig:                                                             |                             | Latin America, trade with United States.....                                                    | 452                                 |
| Foreign trade.....                                               | 489, 540, 701, 706          | Latvia.....                                                                                     | 203, 415, 460                       |
| Prices.....                                                      | 302, 707                    | Laundries and laundry workers.....                                                              | 64, 330, 805, 800                   |
| Production.....                                                  | 697, 700, 701               | Laundry machinery.....                                                                          | 501, 777                            |
| Traffic movement.....                                            | 389                         | Law course, students in.....                                                                    | 120                                 |
| Iron and steel, and manufactures:                                |                             | Lawn mowers.....                                                                                | 502, 777                            |
| Foreign trade.....                                               | 419,                        | Lead (see also Lead and zinc mines):                                                            |                                     |
| 420, 463, 489-492, 540, 541, 702, 705                            |                             | Summary.....                                                                                    | 710, 711                            |
| By countries.....                                                | 706                         | Consumption.....                                                                                | 711                                 |
| Prices.....                                                      | 300, 302, 311, 707          | Foreign trade.....                                                                              | 403, 542, 711                       |
| Production.....                                                  | 700-705, 737, 751-753       | Manufacture.....                                                                                | 711, 753                            |
| Traffic movement.....                                            | 389, 407                    | Prices.....                                                                                     | 302, 601, 710                       |
| Wholesale establishments.....                                    | 793                         | Production.....                                                                                 | 007, 710, 711                       |
| Iron and steel industry:                                         |                             | Lead and lead-zinc ore.....                                                                     | 607                                 |
| Summary.....                                                     | 737, 751-753                | Lead and zinc mines.....                                                                        | 58, 59, 604, 695                    |
| Blast furnaces, steel works, and rolling mills.....              | 57,                         | Leather and leather goods (see also Leather and leather products industry):                     |                                     |
| 59, 316, 317, 327, 700, 705, 751                                 |                             | Foreign trade.....                                                                              | 462, 408, 460, 510, 517             |
| Corporation tax returns.....                                     | 195                         | Prices.....                                                                                     | 300, 302, 309                       |
| Employment and pay-roll indexes.....                             | 325, 327                    | Production.....                                                                                 | 737, 749, 750, 703                  |
| Hours of labor and earnings.....                                 | 316, 317, 321, 322          | Wholesale establishments.....                                                                   | 793                                 |
| Persons employed.....                                            | 57, 59, 705, 737, 751-753   | Leather and leather products industry (see also Leather and leather goods and Boots and shoes): |                                     |
| Production index.....                                            | 766                         | Summary.....                                                                                    | 737, 749, 750                       |
| Irrigation enterprises:                                          |                             | Corporation tax returns.....                                                                    | 187-190, 195, 197                   |
| Summary.....                                                     | 564                         | Employment and pay-roll indexes.....                                                            | 325, 326                            |
| Acreage of and capital invested in.....                          | 564-566                     | Hours of labor and earnings.....                                                                | 322                                 |
| Cost of operation and maintenance.....                           | 564, 565                    | Persons employed.....                                                                           | 58, 59, 737, 749, 750               |
| Crops grown on irrigated land.....                               | 562, 563, 566, 567          | Production index.....                                                                           | 706                                 |
| Government projects:                                             |                             | Leather, artificial.....                                                                        | 481, 743, 709                       |
| Acreage.....                                                     | 562, 563                    | Legislative service.....                                                                        | 150, 186, 170, 171                  |
| Construction and operation costs and re-payments.....            | 560-561                     | Lemons.....                                                                                     | 472, 521, 567, 631, 664             |
| Crops grown on.....                                              | 562, 563                    | Lesser Antilles, trade with United States.....                                                  | 415                                 |
| Italy.....                                                       | 203, 276, 277, 551          | Lettuce.....                                                                                    | 663                                 |
| Trade with United States.....                                    | 415, 460, 454, 664, 706     | Liability insurance.....                                                                        | 288                                 |
| Ivory Coast, trade with United States.....                       | 416                         | Liberia.....                                                                                    | 203, 416, 452                       |
| Ivory tusks, in natural state.....                               | 519                         | Liberty loan and Treasury bonds.....                                                            | 200-202                             |
| Jails (see also Prisons).....                                    | 74, 75                      | Libraries.....                                                                                  | 100, 110, 117, 205, 219, 221, 224   |
| Jamaica, trade with United States.....                           | 415, 448                    | Library and school buildings.....                                                               | 807, 812                            |
| Japan.....                                                       | 276, 277                    | License taxes.....                                                                              | 205, 206, 211, 218, 220, 222, 224   |
| Trade with United States.....                                    | 416, 462, 454, 664, 706     | Life insurance.....                                                                             | 151, 153, 154, 282-286              |
| Japanese.....                                                    | 10, 11, 13, 17              | Light and fuel prices.....                                                                      | 200, 300, 302, 604, 305             |
| Japanning and enameling industry.....                            | 754                         | Light and power. See Electric light and power.                                                  |                                     |
| Java, trade (see also Netherlands India).....                    | 416                         | Lighting equipment, manufacture.....                                                            | 327, 754                            |
| Jewelry and jewelry factories, stores, etc.....                  | 56,                         | Limbs, artificial.....                                                                          | 509                                 |
| 58, 59, 494, 544, 754, 792, 798, 797, 800, 817                   |                             | Lime.....                                                                                       | 303, 380, 487, 537, 540, 608, 750   |
| Joint-stock land banks.....                                      | 263, 264, 266               | Limestone.....                                                                                  | 064, 005, 720                       |
| Judicial service (Federal), employees and pay roll.....          | 160                         | Linen goods.....                                                                                | 480, 530, 741, 769                  |
|                                                                  |                             | Linen supply service.....                                                                       | 805                                 |

|                                                                               | Page                                       |                                                                  | Page                    |
|-------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------|-------------------------|
| Linoleum and oilcloth.....                                                    | 481, 534, 743, 769                         | Manufactured products:                                           |                         |
| Linseed oil, etc.....                                                         | 303, 476, 526, 748                         | Exports in relation to production.....                           | 428                     |
| Liquors, fermented, distilled and vinous (see also Liquors and beverages):    |                                            | Foreign trade.....                                               | 428, 437-439, 441-444   |
| Ethyl alcohol produced at denaturing plants.....                              | 788                                        | Index numbers of quantity and value of exports and imports.....  | 437                     |
| Foreign trade.....                                                            | 473, 523, 524, 787                         | Traffic movement.....                                            | 386, 389                |
| Manufacturing establishments, summary of statistics.....                      | 740                                        | Value of. (See under Manufacturing industry.)                    |                         |
| Production and tax-paid withdrawals.....                                      | 787                                        | Wholesale price index.....                                       | 304                     |
| Taxes on.....                                                                 | 175, 176, 218, 220, 222, 224               | Manufacturers and officials.....                                 | 66                      |
| Wholesale and retail establishments.....                                      | 793, 796, 797, 817                         | Manufacturers' excise tax.....                                   | 175, 176                |
| Liquors and beverages (see also Liquors, fermented, etc.):                    |                                            | Manufacturing and mechanical industry, persons employed.....     | 54-60, 66, 67           |
| Corporation tax returns.....                                                  | 187-190, 195                               | Manufacturing industry (see also individual industries):         |                         |
| Dutiable imports and calculated duties.....                                   | 400                                        | Summary.....                                                     | 733                     |
| Lithographing.....                                                            | 740                                        | Capital issues.....                                              | 292, 293                |
| Lithuania.....                                                                | 203, 415, 450                              | Contribution to national income.....                             | 274, 276                |
| Livestock. See Animals, domestic, and individual classes.                     |                                            | Corporation tax returns.....                                     | 187-191, 196-198        |
| Livestock insurance.....                                                      | 288                                        | Dividend payments and rates.....                                 | 261                     |
| Living costs, indexes of.....                                                 | 304, 305, 312, 608                         | Employment and pay-roll indexes:                                 |                         |
| Loan and trust companies.....                                                 | 243, 244                                   | Summary for industry.....                                        | 323                     |
| Loans (see also Public debt):                                                 |                                            | By industry groups and industries.....                           | 325-327                 |
| Bank.....                                                                     | 237-241, 244-240, 251, 258, 260-265        | Durable and nondurable goods groups.....                         | 324                     |
| Brokers'.....                                                                 | 280                                        | For specified States.....                                        | 328                     |
| Building and loan associations.....                                           | 257                                        | Establishments, wage earners, value of products, etc.:           |                         |
| Farm. See Agricultural loans.                                                 |                                            | By general groups of industries.....                             | 736                     |
| Foreign. (See also Foreign capital issues).....                               | 203                                        | By individual industries.....                                    | 738-759                 |
| Interest rates on call and time loans.....                                    | 278, 279                                   | By industrial areas.....                                         | 765                     |
| Of Government credit agencies, summary.....                                   | 267                                        | By size of establishments.....                                   | 734                     |
| Reconstruction Finance Corporation.....                                       | 204, 267                                   | By States.....                                                   | 760-764                 |
| Lobsters.....                                                                 | 515                                        | Failures.....                                                    | 296, 297                |
| Local and State government bond issues.....                                   | 202, 203                                   | Hours of labor and earnings.....                                 | 313-322, 326            |
| Local government finances (see also Tax-exempt securities outstanding).....   | 206, 208, 209, 212, 214, 215, 218-224      | Index of production.....                                         | 766                     |
| Locomotives.....                                                              | 327, 373-375, 395, 495, 498, 756, 776, 777 | Not profits.....                                                 | 187, 191, 292           |
| Lodging houses, construction.....                                             | 812                                        | Persons employed.....                                            | 54-60, 66, 67, 733      |
| Logs, etc.....                                                                | 388, 407, 410, 420, 482, 534               | Power used, summary for industry.....                            | 733,                    |
| Longshoremen.....                                                             | 90, 382                                    |                                                                  | 735, 736, 760           |
| Louisiana Purchase.....                                                       | 303,                                       | Maple sugar and sirup.....                                       | 523, 602, 630, 658      |
| Lubricants, grease and oil.....                                               | 480, 487, 537, 724-727, 749                | Marble.....                                                      | 487, 537, 694, 695, 726 |
| Lumber:                                                                       |                                            | Marble and stonework, manufactures.....                          | 57,                     |
| Foreign trade.....                                                            | 419, 420, 493, 495, 498, 535               |                                                                  | 69, 320, 760            |
| Prices.....                                                                   | 300, 303, 309, 311, 679, 681               | Marine and fire insurance.....                                   | 280                     |
| Production.....                                                               | 678-680, 760                               | Marine Corps personnel.....                                      | 149, 166                |
| Traffic movement.....                                                         | 388, 406                                   | Marine wrecks and casualties.....                                | 412                     |
| Wholesale and retail establishments.....                                      | 793, 796, 797, 817                         | Marital condition of population.....                             | 44-47                   |
| Lumber and allied products industry:                                          |                                            | Marketing and purchasing through farmers' organizations.....     | 599, 600                |
| Summary.....                                                                  | 736, 743                                   | Markets, primary, receipts and shipments.....                    | 614,                    |
| Corporation tax returns.....                                                  | 187-190, 195, 197                          |                                                                  | 616, 620, 622, 625, 668 |
| Employment and pay-roll indexes.....                                          | 325, 326                                   | Marriages, divorces, and annulments.....                         | 93, 94                  |
| Hours of labor and earnings.....                                              | 319, 322                                   | Married persons.....                                             | 44-47                   |
| Persons employed.....                                                         | 55, 58, 59, 736, 743                       | Matches.....                                                     | 512, 550, 744           |
| Lumber and building materials:                                                |                                            | Mats and matting.....                                            | 534, 741                |
| Prices.....                                                                   | 299, 300, 303, 814                         | Mattresses and bed springs.....                                  | 482, 758                |
| Wholesale and retail establishments.....                                      | 793, 796, 797                              | Meal, corn.....                                                  | 303, 470, 668, 672      |
| Macaroni, spaghetti, and noodles.....                                         | 471, 519, 739                              | Meat and meat products (see also Slaughtering and meat packing): |                         |
| Machine shops and foundries.....                                              | 318, 322, 327, 755                         | Summary.....                                                     | 618                     |
| Machine-tool accessories and machinists' precision tools and instruments..... | 755, 780                                   | Cold-storage holdings.....                                       | 623                     |
| Machine tools.....                                                            | 327, 498, 499, 544, 755, 777, 780, 703     | Foreign trade.....                                               | 402, 460, 513, 606      |
| Machinery (see also Individual classes):                                      |                                            | Prices.....                                                      | 309, 301, 307-300, 617  |
| Employment and pay roll in industry.....                                      | 325, 327                                   | Production.....                                                  | 618                     |
| Foreign trade.....                                                            | 420, 493, 494-502, 544, 545                | Traffic movement.....                                            | 388                     |
| Manufacture.....                                                              | 737, 754-756, 776-782                      | Wholesale establishments and meat markets.....                   | 792, 796, 797           |
| Traffic movement.....                                                         | 389, 407                                   | Mechanical and manufacturing industries, persons employed.....   | 54-60, 66, 67           |
| Wholesale establishments.....                                                 | 793                                        | Medical students in colleges, etc.....                           | 120                     |
| Madagascar, trade with United States.....                                     | 416, 452                                   | Medicinal and pharmaceutical preparations.....                   | 300,                    |
| Madagascar Islands and Azores, trade.....                                     | 415, 450                                   |                                                                  | 504, 545, 747, 774      |
| Magnesite.....                                                                | 530, 604, 698                              | Mental patients and defectives.....                              | 70-73, 124, 125         |
| Mail carried.....                                                             | 337, 340                                   | Merchandise exports and imports. See Foreign trade.              |                         |
| Mail carriers.....                                                            | 61                                         | Merchandise stores and wholesale establishments.....             | 792, 796, 797           |
| Mail cars.....                                                                | 374                                        | Merchant marine:                                                 |                         |
| Mail revenues of railways.....                                                | 384                                        | Disasters to.....                                                | 412                     |
| Malaya, British.....                                                          | 276, 277, 416, 450, 464, 706               | Fuel consumed by.....                                            | 486, 717, 723           |
| Malt.....                                                                     | 470, 520, 739                              | Number and tonnage.....                                          | 408-410, 413            |
| Malt liquors.....                                                             | 175, 176, 740, 787, 793                    | Of the world.....                                                | 410                     |
| Malta, Gozo, and Cyprus Islands.....                                          | 415, 450                                   | Tonnage employed in foreign trade.....                           | 408, 420-425            |
| Malted milk, infants' food, etc.....                                          | 487, 514, 619, 621                         | Vessels built and launched.....                                  | 409, 410                |
| Manganese and manganese ore.....                                              | 419, 541, 604, 697                         | Mercury.....                                                     | 543, 691, 694, 697      |
| Manganiferous ore.....                                                        | 697                                        | Mesopotamia. See Iraq.                                           |                         |
| Manila and manufactures.....                                                  | 311, 480, 530, 557                         | Metal mines. See Mines and quarries.                             |                         |

|                                                                                    | Page                                           |                                                                                  | Page                                          |
|------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------|
| <b>Metals and metal products (see also individual metals):</b>                     |                                                | <b>Motion-picture theaters and motion-picture production:</b>                    | 104, 788, 806                                 |
| Summary of production of metals.....                                               | 691, 694, 697                                  | Motor-bus transportation.....                                                    | 321, 396, 397, 400, 401                       |
| Foreign trade.....                                                                 | 419, 420, 459, 480, 540                        | Motorcycles, bicycles, and parts.....                                            | 504, 750, 777, 783                            |
| Manufactures.....                                                                  | 737, 761-764                                   | Motor fuel (see also Gasoline and Gasoline taxes).....                           | 206, 726                                      |
| Prices.....                                                                        | 299, 300, 302, 303                             | Motor transportation.....                                                        | 321, 396, 397, 400, 401                       |
| Traffic movement.....                                                              | 388-390                                        | Motor vehicle corporations, tax returns and capital issues.....                  | 195, 393                                      |
| Wholesale establishments.....                                                      | 793                                            | Motor vehicle insurance.....                                                     | 288                                           |
| <b>Metals and metal products industries (see also individual industries):</b>      |                                                | Motor vehicle taxes, fees, licenses, etc., and motor fuel taxes.....             | 170, 200, 357, 361, 364, 366                  |
| Summary of manufactures.....                                                       | 737, 761-764                                   | <b>Motor vehicles:</b>                                                           |                                               |
| Accidents and fatalities and number employed in metal mines.....                   | 732                                            | Fatalities caused by.....                                                        | 83, 367-369                                   |
| Corporation tax returns.....                                                       | 188-190, 195, 198                              | Foreign trade in.....                                                            | 458, 603, 645                                 |
| Employment and pay-roll indexes.....                                               | 326, 327                                       | Manufactures.....                                                                | 67, 59, 756, 777, 783                         |
| Meters, gas and water, and gas machines.....                                       | 501, 755, 777                                  | Corporation tax returns.....                                                     | 195                                           |
| Mexican border, district, trade.....                                               | 421, 455, 456, 551                             | Employment and pay-roll indexes.....                                             | 327                                           |
| Mexican cession, area and date of accession.....                                   | 1                                              | Hours of labor and earnings.....                                                 | 318, 321                                      |
| Mexico.....                                                                        | 276, 277, 551                                  | Index of manufacturing production.....                                           | 756                                           |
| Trade with United States.....                                                      | 415, 448, 454, 706                             | Wage rates paid common labor.....                                                | 322                                           |
| Mica.....                                                                          | 489, 559, 694, 698                             | On farms.....                                                                    | 504, 697                                      |
| Midwives and nurses (untrained).....                                               | 64                                             | Prices.....                                                                      | 300, 303                                      |
| Military and naval personnel (see also Veterans' benefits).....                    | 148, 149, 156                                  | Production.....                                                                  | 363, 364                                      |
| <b>Milk:</b>                                                                       |                                                | By price groups.....                                                             | 363                                           |
| Consumed in manufactures.....                                                      | 621                                            | Registration.....                                                                | 363, 365, 366                                 |
| Foreign trade.....                                                                 | 467, 514                                       | Repair shops, rental service, etc.....                                           | 806                                           |
| Malted, etc.....                                                                   | 467, 514, 619, 621                             | Revenue from, by States (see also Motor vehicle taxes, etc.).....                | 366                                           |
| Manufacture.....                                                                   | 619, 621, 627, 738                             | Traffic movement.....                                                            | 389                                           |
| Prices.....                                                                        | 301, 308, 309, 617                             | Wholesale and retail establishments.....                                         | 791, 796, 797, 798, 802, 817                  |
| Production and value.....                                                          | 602, 610, 624                                  | Motors, electric.....                                                            | 495, 735, 778                                 |
| Sugar, production.....                                                             | 619, 627                                       | Mozambique, trade with United States.....                                        | 415, 452                                      |
| Wholesale establishments.....                                                      | 792                                            | Mudclage, posto, etc.....                                                        | 747                                           |
| <b>Mill and mine supplies, wholesale establishments.....</b>                       | <b>793</b>                                     | Mulas (see also Horses and mules).....                                           | 470, 606, 610, 612                            |
| Milliners and millinery dealers.....                                               | 56, 792                                        | Municipal governments.....                                                       | 205, 209, 215, 218-224                        |
| Millinery industry (see also Hats, etc.).....                                      | 326, 742, 792                                  | Municipal and State bond prices, yields, and issues.....                         | 200-203                                       |
| Millstones.....                                                                    | 694, 698                                       | Music, publishing and printing.....                                              | 776                                           |
| Mineral and soda waters.....                                                       | 473, 524, 698                                  | Musical instruments (see also Radios).....                                       | 509, 549, 757, 792                            |
| Mineral land entries and receipts under Mineral Leasing Act.....                   | 120, 131, 134, 168                             | Mutton and lamb.....                                                             | 466, 513, 617, 618, 627                       |
| Mineral oil. See Petroleum.                                                        |                                                | <b>Nails.....</b>                                                                | <b>302, 309, 490, 541, 701, 704, 706, 752</b> |
| Mineral paints.....                                                                | 507, 547, 698                                  | Nephthas.....                                                                    | 725                                           |
| Minerals and mineral products (see also Mines and quarries and each mineral):      |                                                | National banks. See under Banks.                                                 |                                               |
| Summary of mineral production.....                                                 | 691, 697-699                                   | National debt, public and private (see also Public debt).....                    | 275                                           |
| By States.....                                                                     | 690                                            | National defense, expenditures for.....                                          | 166, 172, 173                                 |
| Foreign trade.....                                                                 | 419, 420, 458, 480, 537, 540                   | National Farm Loan Associations.....                                             | 260                                           |
| Index of production.....                                                           | 766                                            | National forests.....                                                            | 675, 676                                      |
| Manufacture.....                                                                   | 736, 737, 749-754                              | National Government finance. See under Receipts, Expenditures, Public debt, etc. |                                               |
| Traffic movement.....                                                              | 388, 388-390                                   | National Guard, strength of.....                                                 | 148, 149                                      |
| <b>Mines and quarries:</b>                                                         |                                                | National income and wealth.....                                                  | 272-275                                       |
| Summary.....                                                                       | 692-695                                        | Natural gas.....                                                                 | 348, 698, 720, 722                            |
| Accidents and fatalities.....                                                      | 732                                            | Natural gasoline.....                                                            | 698, 720, 724-726                             |
| Contribution of mining industry to national income.....                            | 274, 275                                       | Naturalized citizens.....                                                        | 33, 105, 106                                  |
| Corporation tax returns.....                                                       | 187-191, 195, 197                              | Naval and military services abroad.....                                          | 2                                             |
| Employment and pay-roll indexes.....                                               | 330                                            | Naval stores, gums, resins, etc. (see also Turpentine).....                      | 419, 462, 475, 524, 791                       |
| Explosives used.....                                                               | 785                                            | Navy Department.....                                                             | 157, 166, 166, 172, 173, 174                  |
| Persons employed.....                                                              | 54-56, 60, 67, 692-695, 732                    | Navy personnel (see also Military service).....                                  | 148, 155                                      |
| Size of producing establishments.....                                              | 605                                            | Navy vessels.....                                                                | 149, 150                                      |
| Strikes in coal mines.....                                                         | 718                                            | Needles, pins, and hooks and eyes.....                                           | 492, 541, 754                                 |
| Wages and hours of labor.....                                                      | 321                                            | Negro population. See Population, by color or race.                              |                                               |
| <b>Mining machinery.....</b>                                                       | <b>498, 777</b>                                | Netherlands.....                                                                 | 276, 277, 551                                 |
| Miqueelon and St. Pierre Islands.....                                              | 448                                            | Trade with United States.....                                                    | 415, 450, 454, 706                            |
| Mirrors and other glass products.....                                              | 751                                            | Netherlands Guiana (Surinam).....                                                | 416, 448                                      |
| Mississippi River traffic.....                                                     | 407                                            | Netherlands India.....                                                           | 416, 450, 454, 706                            |
| Models and patterns (not paper).....                                               | 759                                            | Netherlands West Indies (Curaçao).....                                           | 448, 706                                      |
| Mohair and mohair cloth.....                                                       | 480, 531, 619                                  | Nets and seines.....                                                             | 742                                           |
| Molasses.....                                                                      | 419, 473, 523, 657, 673                        | New Caledonia.....                                                               | 416                                           |
| <b>Money (see also Banks and Money rates):</b>                                     |                                                | New Guinea.....                                                                  | 416                                           |
| Coinage.....                                                                       | 225                                            | Newfoundland and Labrador.....                                                   | 448                                           |
| Held in Treasury and by Federal Reserve banks and agents.....                      | 227                                            | News dealers.....                                                                | 796, 797                                      |
| In circulation and stock of.....                                                   | 225-227                                        | Newsboys.....                                                                    | 62                                            |
| Money orders (postal) issued.....                                                  | 337, 338                                       | Newspapers and periodicals.....                                                  | 326, 331, 332, 746, 775, 793                  |
| <b>Money rates:</b>                                                                |                                                | <b>New York City (see also Cities, principal):</b>                               |                                               |
| Discount of Federal Reserve banks.....                                             | 232                                            | Bank debits.....                                                                 | 260, 270                                      |
| Exchange, foreign.....                                                             | 276, 277                                       | Clearing-house transactions.....                                                 | 268                                           |
| Interest and acceptance, New York.....                                             | 278, 279                                       | Cost of living index.....                                                        | 305                                           |
| Morocco, trade with United States.....                                             | 415, 416, 452                                  | Exchange rates.....                                                              | 276, 277                                      |
| Mortgages, farm and other real estate.....                                         | 240, 246, 249, 257, 259-264, 275, 283, 588-590 | Interest rates.....                                                              | 278, 279                                      |
| <b>Mother-of-pearl.....</b>                                                        | <b>519</b>                                     | Federal Reserve System member banks.....                                         | 248                                           |
| Mother tongue of foreign-born white.....                                           | 32                                             | Revenues, expenditures, and debt.....                                            | 218-221                                       |
| <b>Motion-picture equipment and supplies (see also Photographic material).....</b> | <b>509, 548, 791</b>                           |                                                                                  |                                               |

|                                                                                               | Page                                   |                                                                                               | Page                                   |
|-----------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------|
| New York Stock Exchange, value of securities listed on and volume of sales.....               | 289, 201                               | Canal.....                                                                                    | 166, 168, 173, 411, 412                |
| New Zealand.....                                                                              | 416, 452, 454                          | Canal Zone.....                                                                               | 1, 2, 111-115, 415                     |
| Nicaragua.....                                                                                | 203, 415, 448                          | Republic.....                                                                                 | 415, 448                               |
| Nickel.....                                                                                   | 493, 543, 607, 711                     | Paper and manufactures (see also Paper and pulp industry):                                    |                                        |
| Nigeria, trade with United States.....                                                        | 416, 462                               | Foreign trade.....                                                                            | 419, 466, 485, 536                     |
| Nitrate of soda.....                                                                          | 363, 311, 547                          | Index of newsprint production.....                                                            | 766                                    |
| Nitrogenous materials (see also Nitrate of soda).....                                         | 419, 507, 547, 771                     | Manufactures.....                                                                             | 684, 730, 745                          |
| Nondurable goods industries, employment and pay-roll indexes (see also Consumers' goods)..... | 324                                    | Prices (see also Paper and pulp).....                                                         | 303, 311                               |
| Normal schools and teachers' colleges.....                                                    | 108,                                   | Traffic movement.....                                                                         | 366                                    |
| North America, trade.....                                                                     | 443-449, 454, 551                      | Wholesale establishments.....                                                                 | 793                                    |
| Northern border districts.....                                                                | 421-423, 465, 466, 551                 | Paper and printing industry.....                                                              | 58, 59, 325, 320                       |
| Norway.....                                                                                   | 276                                    | Paper and pulp industry:                                                                      |                                        |
| Trade with United States.....                                                                 | 415, 460, 454, 708                     | Summary.....                                                                                  | 745                                    |
| Notes:                                                                                        |                                        | Corporation tax returns.....                                                                  | 188-190, 195, 197                      |
| Federal Reserve.....                                                                          | 225, 226, 229                          | Employment and pay-roll indexes.....                                                          | 326                                    |
| National bank.....                                                                            | 225, 226, 246, 247                     | Persons employed.....                                                                         | 58, 59, 745                            |
| Stock and circulation of.....                                                                 | 225, 226                               | Wages and hours of labor.....                                                                 | 322                                    |
| Victory Liberty loan, and Treasury.....                                                       | 200-202                                | Paper and pulp, price index.....                                                              | 300                                    |
| Nurse training schools.....                                                                   | 120, 123                               | Paperboard, wallboard, building paper.....                                                    | 389,                                   |
| Nursery and greenhouse stock.....                                                             | 476, 527, 602, 708                     |                                                                                               | 455, 536, 684                          |
| Nuts (see also Fruits and nuts).....                                                          | 478, 522, 567, 681                     | Paper currency in circulation.....                                                            | 225                                    |
| Oats:                                                                                         |                                        | Paraffin wax.....                                                                             | 487, 587, 725, 726                     |
| Summary.....                                                                                  | 632                                    | Paraguay, trade with United States.....                                                       | 448                                    |
| By States.....                                                                                | 644                                    | Parcel post.....                                                                              | 340, 445                               |
| Acres, production, and value.....                                                             | 602, 630, 632, 644                     | Parties, political, vote.....                                                                 | 100, 101                               |
| Of irrigated crop.....                                                                        | 563, 567                               | Passengers, steamer, railway, bus, and airplane.....                                          | 106, 382, 393-396, 399-402             |
| Consumed in flour mills.....                                                                  | 672                                    | Pasture, acreage and crop value.....                                                          | 570, 574, 675                          |
| Foreign trade.....                                                                            | 419, 470, 519                          | Patent medicines and compounds.....                                                           | 747, 774                               |
| Prices.....                                                                                   | 301, 632, 644, 689, 670                | Patents and certificates of registration.....                                                 | 780                                    |
| Receipts at ports and markets.....                                                            | 668                                    | Paving materials, manufacturers.....                                                          | 759                                    |
| Stocks, commercial.....                                                                       | 667                                    | Pay-roll indexes (see also Salaries and wages).....                                           | 323-330                                |
| Traffic movement.....                                                                         | 388                                    |                                                                                               |                                        |
| Obligations of foreign governments to United States.....                                      | 203                                    | Peaches.....                                                                                  | 472, 563, 567, 602, 631, 654, 655, 672 |
| Occupations of entire population (see also individual occupations and industries).....        | 54-67                                  | Peanuts.....                                                                                  | 301, 473, 523, 602, 630, 635, 670      |
| Oceania (and Asia), trade.....                                                                | 443-447, 462, 464, 551                 | Pears.....                                                                                    | 472, 568, 567, 602, 631, 654, 655, 672 |
| Office appliances and supplies.....                                                           | 501, 510, 793                          | Peas.....                                                                                     | 471, 520, 521, 567, 602, 630, 653, 672 |
| Ohio River traffic.....                                                                       | 406                                    | Peat production.....                                                                          | 522, 602, 681                          |
| Oil and gas wells.....                                                                        | 56, 195, 321, 330                      | Pecans.....                                                                                   | 510, 550, 769                          |
| Oil, cake, and meal, cottonseed.....                                                          | 326,                                   | Pencils and pens.....                                                                         | 510, 550, 769                          |
| 471, 473, 475, 520, 522, 663, 748                                                             |                                        | Pensions and compensation, war (see also Retirement of Federal military personnel, etc.)..... | 151-153, 155, 170                      |
| Oil cake and oil-cake meal.....                                                               | 309, 419, 462, 471, 520                |                                                                                               | 653                                    |
| Oil corporations.....                                                                         | 195, 203                               | Pepper.....                                                                                   | 475, 653                               |
| Oil lands withdrawn from general settlement.....                                              | 134                                    | Peppermint.....                                                                               | 475, 653                               |
| Oil-well machinery.....                                                                       | 408, 777                               | Perfumery, cosmetics, etc.....                                                                | 508, 548, 747, 774                     |
| Oleohole and linoleum.....                                                                    | 481, 534, 743, 760                     | Persia (Iran), trade with United States.....                                                  | 416, 461                               |
| Oils:                                                                                         |                                        | Peru.....                                                                                     | 270, 550                               |
| Animal (and fats).....                                                                        | 462, 466, 490, 513, 518, 606, 607      | Trade with United States.....                                                                 | 416, 448, 454, 706                     |
| Animal and vegetable, fats and oils, retail price index.....                                  | 307                                    | Petroleum and coal, manufactures, summary.....                                                | 736,                                   |
| Fish.....                                                                                     | 470, 518, 689                          |                                                                                               | 748, 749                               |
| Fuel.....                                                                                     | 302, 348, 392, 486, 537, 723, 725-727  | Petroleum and gas wells.....                                                                  | 59, 195, 321, 380                      |
| Mineral. See Petroleum products.                                                              |                                        | Petroleum and products.....                                                                   | 489, 537, 723-727                      |
| Vegetable:                                                                                    |                                        | Crude oil:                                                                                    |                                        |
| Foreign trade.....                                                                            | 419, 464, 473, 475, 522, 625, 666, 663 | Foreign trade.....                                                                            | 489, 537, 723, 725                     |
| Prices, cottonseed oil.....                                                                   | 301, 309                               | Prices.....                                                                                   | 302, 309, 311, 727                     |
| Production.....                                                                               | 663, 748                               | Production.....                                                                               | 696, 723-725                           |
| Wholesale establishments.....                                                                 | 798                                    | Stocks.....                                                                                   | 724, 726                               |
| Oilseeds.....                                                                                 | 419, 475, 525                          | Traffic movement.....                                                                         | 388                                    |
| Olistones, production.....                                                                    | 698                                    | Foreign trade.....                                                                            | 419, 420, 463, 465, 489, 537, 723      |
| Oleomargarine.....                                                                            | 301, 467, 621, 739                     | Output of refineries.....                                                                     | 725, 726                               |
| Olives.....                                                                                   | 521, 567                               | Prices.....                                                                                   | 300, 302, 309, 727                     |
| Onions.....                                                                                   | 308, 471, 520, 563, 653                | Stocks.....                                                                                   | 724, 726                               |
| Optical goods.....                                                                            | 506, 548, 766, 792                     | Supply and demand.....                                                                        | 725, 726                               |
| Opticians and optometrists.....                                                               | 62                                     | Supply of energy from fuel oil.....                                                           | 348                                    |
| Oranges.....                                                                                  | 301, 308, 472, 567, 631, 686, 664      | Traffic movement.....                                                                         | 389, 405, 407                          |
| Ordnance and accessories, exports.....                                                        | 510                                    | Wholesale establishments.....                                                                 | 793                                    |
| Ores, crude (see also each ore).....                                                          | 388, 390, 604, 697                     | Petroleum pipe lines and wells.....                                                           | 321, 330, 724, 727                     |
| Organs and pianos.....                                                                        | 58, 59, 509, 549, 757                  | Petroleum refining.....                                                                       | 57, 58,                                |
| Oysters.....                                                                                  | 467, 672, 688                          |                                                                                               | 321, 322, 329, 725, 726, 749, 766      |
| Ozocerite. See Wax, mineral.                                                                  |                                        | Pharmacy, students in.....                                                                    | 120                                    |
| Pacific coast district.....                                                                   | 413, 414, 418-421, 455, 456, 551       | Philippine Islands:                                                                           |                                        |
| Packing house products (see also Slaughtering and meat packing).....                          | 388, 618, 627, 798                     | Area, population, and date of accession.....                                                  | 1-3, 10                                |
| Painters.....                                                                                 | 37, 331                                | Education.....                                                                                | 111-116, 118-123                       |
| Painting and statuary.....                                                                    | 511, 549                               | Sugar produced.....                                                                           | 650                                    |
| Paints, varnishes, etc.....                                                                   | 300,                                   | Trade.....                                                                                    | 416, 450, 454, 554, 557, 706           |
| 303, 326, 507, 547, 748, 773, 791                                                             |                                        | Other statistics.....                                                                         | 177, 245, 713                          |
| Palestine and Syria, trade.....                                                               | 416, 450, 700                          | Photographs.....                                                                              | 604, 649, 782                          |
|                                                                                               |                                        | Phosphate lands.....                                                                          | 134                                    |
|                                                                                               |                                        | Phosphate materials.....                                                                      | 588, 420, 507, 547, 694, 699           |
|                                                                                               |                                        | Photoengraving.....                                                                           | 743                                    |
|                                                                                               |                                        | Photographic apparatus and material.....                                                      | 508,                                   |
|                                                                                               |                                        |                                                                                               | 548, 759, 761                          |
|                                                                                               |                                        | Pianos and organs.....                                                                        | 58, 59, 509, 549, 767                  |
|                                                                                               |                                        | Pickles, preserves, and sauces.....                                                           | 472, 521, 672                          |
|                                                                                               |                                        | Pig iron. See under Iron.                                                                     |                                        |
|                                                                                               |                                        | Pimientos.....                                                                                | 521, 663                               |



|                                                                             | Page                                   |                                                                                | Page                            |
|-----------------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------|---------------------------------|
| Pineapples.....                                                             | 472, 473, 521                          | Potatoes—Continued.                                                            |                                 |
| Pins. <i>See</i> Needles, etc.                                              |                                        | Irish—Continued.                                                               |                                 |
| Pipe:                                                                       |                                        | Acreage, production, and value.....                                            | 602, 630, 634, 638, 653         |
| Copper.....                                                                 | 493                                    | Of irrigated crop.....                                                         | 563, 567                        |
| Iron and steel....                                                          | 302, 327, 490, 540, 701, 704, 703, 751 | Foreign trade.....                                                             | 471, 520                        |
| Sewer.....                                                                  | 389, 730                               | Prices.....                                                                    | 301, 308, 634, 639, 699, 670    |
| Pipe lines.....                                                             | 321, 724, 727                          | Traffic movement.....                                                          | 387                             |
| Pipes, tobacco.....                                                         | 550, 759                               | Sweet and yams:                                                                |                                 |
| Planing-mill products, manufacture.....                                     | 743                                    | Acreage, production, and value.....                                            | 602, 630, 634, 637              |
| Plaster, wall, and composition flooring.....                                | 750                                    | Of irrigated crop.....                                                         | 563, 567                        |
| Plasterers and cement finishers.....                                        | 57, 331                                | Prices.....                                                                    | 634, 637, 670                   |
| Plated ware.....                                                            | 494, 754                               | Pottery and potteries.....                                                     | 87, 59, 326, 487, 538, 730, 750 |
| Plate-glass insurance.....                                                  | 288                                    | Poultry:                                                                       |                                 |
| Plates, sheets, etc.:                                                       |                                        | Chickens on farms and chickens raised..                                        | 609-611, 619                    |
| Iron and steel.....                                                         | 302, 489, 540, 701-703, 706            | Cold-storage holdings.....                                                     | 623                             |
| Other metals.....                                                           | 492, 493, 542, 543, 711                | Farm income from.....                                                          | 601, 622                        |
| Platinum.....                                                               | 494, 543, 691, 697                     | Foreign trade.....                                                             | 466, 513                        |
| Plumbago. <i>See</i> Graphite.                                              |                                        | Prices.....                                                                    | 301, 308, 617, 622              |
| Plumbers and gas and steam fitters.....                                     | 57, 331                                | Traffic movement and market receipts.....                                      | 388, 622                        |
| Plumbing and heating equipment and supplies.....                            | 300, 327, 487, 491, 752, 793, 796, 797 | Wholesale establishments.....                                                  | 732                             |
| Plumbing and heating repair shops.....                                      | 805                                    | Poultry killing and dressing.....                                              | 738                             |
| Plums and prunes.....                                                       | 472, 563, 567, 631, 654, 672           | Poultrymen's supplies.....                                                     | 502                             |
| Pocketbooks.....                                                            | 469, 749                               | Power:                                                                         |                                 |
| Poland.....                                                                 | 203, 276                               | Annual supply of, from fuels and water.....                                    | 348                             |
| Trade with United States.....                                               | 415, 450, 706                          | Capacity of steam locomotives.....                                             | 372, 374                        |
| Pomelos. <i>See</i> Grapefruit.                                             |                                        | Electric.....                                                                  | 348-354, 355, 735               |
| Popular vote for presidential electors.....                                 | 160                                    | Used in manufacture.....                                                       | 733, 735-764                    |
| Population.....                                                             | 2-67                                   | Used in mines and quarries.....                                                | 692-694                         |
| Cities in the United States.....                                            | 6, 20-25                               | Water, developed and potential.....                                            | 356                             |
| Continental United States, summary.....                                     | 2, 10                                  | Power laundries.....                                                           | 806                             |
| Age distribution.....                                                       | 19, 36-39                              | Power plants. <i>See</i> Electric light and power plants.                      |                                 |
| Median age.....                                                             | 40                                     | Powder-site reserves of public land.....                                       | 134                             |
| Alien white.....                                                            | 33                                     | Precious stones and gems.....                                                  | 489, 530, 698                   |
| Blind.....                                                                  | 79                                     | Precipitation, selected cities.....                                            | 136-147                         |
| By States.....                                                              | 3-5, 7-9, 12-18, 36-38                 | Prices (for individual commodities <i>see</i> reference thereto in index):     |                                 |
| Children under institutional care.....                                      | 78, 79                                 | Bonds.....                                                                     | 280, 291                        |
| Citizenship of foreign-born whites.....                                     | 33                                     | Export and import.....                                                         | 309-311                         |
| Color or race, nativity and parentage.....                                  | 10-19, 34, 39                          | Index numbers:                                                                 |                                 |
| Deafmutes.....                                                              | 79                                     | Summary, farm, retail food, and wholesale, by months.....                      | 298                             |
| Density of.....                                                             | 2, 3                                   | Consumers' and producers' goods.....                                           | 304                             |
| Dwellings, families, and homes.....                                         | 47-52, 577                             | Cost of living.....                                                            | 304, 305, 312, 606              |
| Foreign born.....                                                           | 10-13, 16-19, 26-33, 39, 40            | Compared with wages.....                                                       | 312                             |
| Illiterates.....                                                            | 41-43                                  | Export.....                                                                    | 437, 607, 608                   |
| Males 18 to 44 years of age.....                                            | 35                                     | Farm prices.....                                                               | 298, 605, 606                   |
| Marital condition.....                                                      | 44-47                                  | Import.....                                                                    | 437                             |
| On farms.....                                                               | 8, 570, 591                            | Of prices paid by farmers for commodities bought.....                          | 606                             |
| Persons gainfully employed.....                                             | 53-67                                  | Retail food.....                                                               | 298, 304-307                    |
| Race.....                                                                   | 10-19, 34, 39                          | Wholesale.....                                                                 | 298-300, 304, 605, 606          |
| School.....                                                                 | 107, 112                               | Retail food, principal commodities.....                                        | 308                             |
| Sex distribution.....                                                       | 10, 12, 19, 39, 40                     | Stocks.....                                                                    | 290                             |
| Twenty-one years of age and over.....                                       | 34                                     | Wholesale of leading commodities.....                                          | 301-303                         |
| Urban and rural.....                                                        | 6-8, 19, 27                            | Printing and publishing ( <i>see also</i> Paper and printing industry).....    | 58, 59, 326, 331, 736, 745, 776 |
| Vital statistics of. <i>See</i> Vital statistics.                           |                                        | Printing and publishing corporations, tax returns.....                         | 188-190, 195, 197               |
| Indian.....                                                                 | 10, 11, 13, 17, 135                    | Printing machinery.....                                                        | 501, 777                        |
| Outlying possessions.....                                                   | 2, 10, 40                              | Printing paper.....                                                            | 380, 485, 536, 684, 766         |
| Pork:                                                                       |                                        | Printing supplies, manufacture.....                                            | 748                             |
| Summary, consumption, production, etc....                                   | 618                                    | Prisons and prisoners ( <i>see also</i> Juvenile delinquents).....             | 70, 73-76                       |
| Cold-storage holdings.....                                                  | 623                                    | Private banks.....                                                             | 243, 244                        |
| Foreign trade.....                                                          | 466, 513                               | Private schools. <i>See</i> under Education.                                   |                                 |
| Prices.....                                                                 | 301, 308, 309, 617                     | Processing tax on farm products.....                                           | 163, 166, 168, 176, 177         |
| Production.....                                                             | 618, 627                               | Producers' goods, price index ( <i>see also</i> Durable goods industries)..... | 304                             |
| Portland cement. <i>See</i> Cement.                                         |                                        | Production:                                                                    |                                 |
| Ports, commerce of principal....                                            | 404, 405, 417, 418, 455                | Exportable products and proportion exported, summary.....                      | 428                             |
| Portugal.....                                                               | 276, 415, 460                          | Individual commodities and industries. <i>See</i> references thereto in index. |                                 |
| Portuguese Africa, trade.....                                               | 452                                    | Production credit associations.....                                            | 260, 261                        |
| Possessions and territories, area, date of acquisition, and population..... | 1, 2, 10, 40                           | Production credit corporations.....                                            | 267                             |
| Postal Savings System, transactions of.....                                 | 256                                    | Professional and scientific instruments, etc.....                              | 509, 548, 758, 793              |
| Postal Service:                                                             |                                        | Professional service:                                                          |                                 |
| Summary.....                                                                | 337                                    | Immigrants qualified for.....                                                  | 90                              |
| By States.....                                                              | 341                                    | Persons engaged in.....                                                        | 54, 55, 63, 64, 66, 67          |
| City and rural free delivery.....                                           | 340, 341                               | Professional students.....                                                     | 110, 119, 120                   |
| Employees.....                                                              | 157, 158                               | Profits:                                                                       |                                 |
| Money-order business.....                                                   | 337, 338                               | Bank.....                                                                      | 236, 241, 249                   |
| Revenues and expenditures.....                                              | 164-166, 172, 174, 337-339, 341        | Corporations.....                                                              | 187, 188, 191, 202              |
| Transportation of mails.....                                                | 339                                    | Property, assessed valuation and tax.....                                      | 205-211, 218, 220, 222, 224     |
| Volume of business.....                                                     | 337, 340                               |                                                                                |                                 |
| Potash.....                                                                 | 419, 508, 547, 699                     |                                                                                |                                 |
| Potash land.....                                                            | 134                                    |                                                                                |                                 |
| Potassium compounds.....                                                    | 506, 546, 771                          |                                                                                |                                 |
| Potatoes:                                                                   |                                        |                                                                                |                                 |
| Irish:                                                                      |                                        |                                                                                |                                 |
| Summary.....                                                                | 634                                    |                                                                                |                                 |
| By States.....                                                              | 638                                    |                                                                                |                                 |

|                                                              | Page                    |                                                               | Page                         |
|--------------------------------------------------------------|-------------------------|---------------------------------------------------------------|------------------------------|
| Provisions, freight rates on.....                            | 671                     | Railways and equipment, value as national                     |                              |
| Prunes and plums..... 308, 472, 563, 567, 631, 654, 672      | 672                     | wealth.....                                                   | 272                          |
| Public buildings.....                                        | 807, 812                | Railways, electric ( <i>see also</i> Street railway           |                              |
| Public debt:                                                 |                         | employees, etc.).....                                         | 394-399                      |
| All classes of Government organizations.....                 | 205                     | Bus lines operated by.....                                    | 396, 397, 400                |
| Long-term debt.....                                          | 275                     | Employment and pay-roll indexes.....                          | 330                          |
| Interest on..... 195, 166, 173, 208-207, 219, 221, 223, 224  |                         | Mileage, equipment, employees, finances,                      |                              |
| Local governments.....                                       | 205, 212, 214, 215      | traffic, etc.....                                             | 394-398                      |
| National Government ( <i>see also</i> Contingent             |                         | Receiverships of.....                                         | 398                          |
| liabilities of U. S.):.....                                  |                         | Sales of electric current to.....                             | 354                          |
| Description of issues outstanding.....                       | 201                     | Subway and elevated lines.....                                | 399                          |
| Interest paid on..... 166, 166, 173                          |                         | Railways, steam.....                                          | 370-390                      |
| Issues and redemptions classified.....                       | 202                     | Accidents.....                                                | 391, 392                     |
| Principal of.....                                            | 200-202, 205            | Car-miles, train-miles, ton-miles of freight,                 |                              |
| Retirements..... 163, 165, 166, 173, 202                     |                         | passenger-train miles, etc.....                               | 379-382                      |
| Principal cities.....                                        | 219, 221, 223, 224      | Corporation tax returns.....                                  | 190                          |
| States, interest on debt and amounts out-                    |                         | Electrified mileage.....                                      | 373                          |
| standing..... 203-207, 212, 215-217                          |                         | Employees.....                                                | 60, 375, 376                 |
| State and local governments combined.....                    | 204, 213, 275           | Equipment.....                                                | 372-374                      |
| Public lands:                                                |                         | Finance:                                                      |                              |
| Summary of entries and patents.....                          | 129                     | Capital issues.....                                           | 292, 293                     |
| Grants for educational and other purposes.....               | 133                     | Capitalization (stocks and funded debt).....                  | 377, 378                     |
| Homestead entries.....                                       | 129, 130                | Dividends and interest.....                                   | 291, 377, 378                |
| Indian reservations.....                                     | 135                     | Investment.....                                               | 378                          |
| Railroad and wagon-road grants.....                          | 129, 131, 132           | Revenues and expenses.....                                    | 378-385                      |
| Receipts from..... 131, 134, 164, 160                        |                         | Stock and bond prices, yields, and issues.....                | 290-                         |
| Timber and stone, mineral, coal, and desert-                 |                         | 293                                                           |                              |
| land entries.....                                            | 129, 131                | Taxes and assessments.....                                    | 383-385                      |
| Unappropriated and unreserved.....                           | 136                     | Freight traffic and revenue..... 379-381, 384, 390-390        |                              |
| Withdrawals from general settlement.....                     | 134                     | Fuel consumed.....                                            | 362, 378                     |
| Public roads. <i>See</i> Highways.                           |                         | Government receipts and expenditures on                       |                              |
| Public schools..... 107-109, 111-116, 124, 125               |                         | account of Federal control.....                               | 168-170                      |
| Public service. <i>See</i> Service industries.               |                         | Land grants.....                                              | 129, 131, 132                |
| Public utilities ( <i>see also</i> Railways, Electric        |                         | Loans to, by Reconstruction Finance Cor-                      |                              |
| light and power, etc.):.....                                 |                         | poration.....                                                 | 260                          |
| Capital issues.....                                          | 202, 293                | Mileage.....                                                  | 370-373, 383                 |
| Corporation tax returns..... 188-191, 196, 198               |                         | Passenger traffic.....                                        | 381, 382, 384                |
| Debt, long-term.....                                         | 275                     | Rails and ties laid.....                                      | 392                          |
| Dividend payments, stock and bond yields.....                | 201                     | Receiverships.....                                            | 376                          |
| Net profits..... 188, 191, 202                               |                         | Sales of electric current to.....                             | 354                          |
| Stock and bond prices, yields, and issues..... 290-293       |                         | Railway telegraph offices.....                                | 346, 347                     |
| Wages of common labor.....                                   | 322                     | Rainfall, selected cities.....                                | 136-147                      |
| Public water reserves of public land.....                    | 134                     | Raisins..... 301, 472, 521, 672                               |                              |
| Public Works Administration.....                             | 170, 267                | Raspberries and loganberries.....                             | 567, 631                     |
| Public works projects..... 160, 333, 362, 813                |                         | Rates. <i>See</i> Freight rates and Money rates.              |                              |
| Publishing industry. <i>See</i> Printing and pub-            |                         | Rattan ware. <i>See</i> Baskets, etc.                         |                              |
| lishing.                                                     |                         | Raw materials. <i>See</i> Crude materials.                    |                              |
| Puerto Rico:                                                 |                         | Rayon and other synthetic textiles and manu-                  |                              |
| Area, population, and date of accession. 1-8, 10, 40         |                         | factures..... 302, 320, 461, 481, 533, 748                    |                              |
| Births and deaths.....                                       | 92                      | Real estate ( <i>see also</i> Farms):                         |                              |
| Educational statistics..... 111-121, 123, 126, 127           |                         | Capital issues.....                                           | 293                          |
| Sugar produced.....                                          | 659                     | Loans on..... 240, 246, 249, 257, 259-264, 275, 283, 589, 590 |                              |
| Trade..... 455, 553, 556, 557                                |                         | Taxes on..... 205, 206, 208-211, 218, 220, 222, 224, 554      |                              |
| Other statistics..... 177, 245, 256, 259, 261, 262, 341, 675 |                         | Value of, assessed and estimated real.....                    | 207, 272                     |
| Pullman Co.....                                              | 393                     | Real estate agents and officials.....                         | 62                           |
| Pulstones and grindstones.....                               | 488, 688                | Real estate and realty holding companies, tax                 |                              |
| Pulpwood..... 311, 388, 406, 410, 485, 535, 683              |                         | returns.....                                                  | 196                          |
| Pumice.....                                                  | 539, 699                | Receipts:                                                     |                              |
| Pumps.....                                                   | 498, 755, 777           | Grain at Atlantic ports and markets.....                      | 668                          |
| Putty.....                                                   | 773                     | Livestock and livestock products at prin-                     |                              |
| Pyrites..... 419, 539, 699                                   |                         | cipal primary markets.....                                    | 614, 615, 620, 622           |
| Pyroxylin and other plastics.....                            | 512, 771                | Revenue, of States, counties, cities, etc..... 205-209,       |                              |
| Quarries. <i>See</i> Mines and quarries.                     |                         | 211, 218, 220, 222, 224                                       |                              |
| Quartz (silica), production.....                             | 664, 699                | United States Government—                                     |                              |
| Quicksilver..... 543, 691, 694, 697                          |                         | Summary.....                                                  | 103, 164                     |
| Race of:                                                     |                         | By months.....                                                | 163                          |
| Aliens admitted, departed, and deported. 100-102,            |                         | By sources.....                                               | 164, 166-169                 |
| 104                                                          |                         | Customs. <i>See</i> Customs receipts.                         |                              |
| Illiterates 10 years of age and over.....                    | 41-43                   | From foreign governments.....                                 | 166, 168, 169, 203           |
| Total population..... 10-19, 34, 39                          |                         | From national forests.....                                    | 677                          |
| Radio operators.....                                         | 61                      | From public lands.....                                        | 131, 134, 184, 169           |
| Radio telegraph carriers.....                                | 345                     | Internal revenue.....                                         | 163, 264, 166, 168, 175-177  |
| Radios, radio manufactures, stores, etc.....                 | 196,                    | Panama Canal.....                                             | 166, 195, 412                |
| 327, 406, 755, 782, 792, 796, 797, 799, 805, 817             |                         | Postal.....                                                   | 104, 337, 338, 341           |
| Railroad repair shops.....                                   | 325, 327, 735, 737, 757 | Reclamation Service, irrigation projects.....                 | 550-553                      |
| Rails, iron and steel:                                       |                         | Reconstruction Finance Corporation.....                       | 167,                         |
| Consumed by railroads.....                                   | 392                     | 167, 173, 296, 297                                            |                              |
| Foreign trade.....                                           | 490, 540, 702, 706      | Recreation, expenditures for, by State and                    |                              |
| Prices.....                                                  | 302, 707                | local governments.....                                        | 205, 206, 219, 221, 223, 224 |
| Production.....                                              | 701-703                 | Red Cross, expenditures and personnel.....                    | 150                          |
| Traffic movement.....                                        | 389                     | Reform schools.....                                           | 123                          |
| Railway and other construction work, explo-                  |                         | Refrigerators and refrigerating equipment.....                | 490,                         |
| sives used in.....                                           | 785                     | 500, 512, 755, 777, 781, 792                                  |                              |
| Railway Express Agency.....                                  | 363                     | Registration area for births and deaths.....                  | 80, 85, 93                   |
| Railway Mail Service.....                                    | 168, 339                | Rehabilitation, vocational.....                               | 128                          |
|                                                              |                         | Religious organizations.....                                  | 68, 69                       |

|                                                                                            | Page                              |                                                                   | Page                                      |
|--------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------|-------------------------------------------|
| Relief, loans and expenditures for and persons on relief ( <i>see also</i> Red Cross)..... | 286, 334, 335                     | Salaries and wages—Continued.....                                 |                                           |
| Work-relief wages.....                                                                     | 274                               | Manufacturing establishments.....                                 | 733                                       |
| Rents:                                                                                     |                                   | Of individuals filing income-tax returns.....                     | 179,                                      |
| Dwelling units by monthly rental.....                                                      | 50, 62, 814                       |                                                                   | 182, 186                                  |
| Index numbers of.....                                                                      | 304, 305                          | Railways.....                                                     | 375, 376, 395, 399                        |
| Representation, congressional, by States.....                                              | 162                               | Service industries.....                                           | 804-806                                   |
| Reservations of public land:                                                               |                                   | Telegraph systems.....                                            | 345-347                                   |
| Coal, oil, phosphate, etc., lands.....                                                     | 134                               | Telephone systems.....                                            | 342, 345                                  |
| Indian.....                                                                                | 135                               | Wholesale and retail trade.....                                   | 790-794,                                  |
| National forests.....                                                                      | 675, 676                          |                                                                   | 797-800, 817, 818                         |
| Reserve, lawful, of banks. <i>See under</i> Banks.                                         |                                   | Sales of farm products through farmers' organ-izations.....       | 599, 600                                  |
| Residential buildings and dwelling units:                                                  |                                   | Sales tax. <i>See</i> Manufacturers' excise tax.                  |                                           |
| Construction.....                                                                          | 807, 812, 816                     | Sales:                                                            |                                           |
| Farm dwellings, value.....                                                                 | 577, 591                          | Indexes of retail sales.....                                      | 802, 803                                  |
| In 64 cities, summary of statistics.....                                                   | 814                               | Stocks and bonds.....                                             | 289                                       |
| Number in United States.....                                                               | 47, 49                            | Wheat and corn futures.....                                       | 288                                       |
| Restaurants, etc.....                                                                      | 796, 797, 799                     | Wholesale and retail, value of net sales.....                     | 790-801                                   |
| Retail dealers.....                                                                        | 62, 790, 796, 798                 | Salmon.....                                                       | 301, 467, 514, 672, 687-690               |
| Retail prices.....                                                                         | 208, 304-308                      | Salt:                                                             |                                           |
| Retail trade:                                                                              |                                   | Foreign trade.....                                                | 489, 539, 731                             |
| Summary of statistics.....                                                                 | 790, 796-801, 817, 818            | Manufacture.....                                                  | 743                                       |
| Corporation tax returns.....                                                               | 196                               | Prices.....                                                       | 301                                       |
| Sales indexes.....                                                                         | 802, 803                          | Production.....                                                   | 699, 731                                  |
| Employment and pay-roll indexes.....                                                       | 330                               | Traffic movement.....                                             | 388                                       |
| Retirement of Federal military personnel and civil service employees.....                  | 151, 153, 156, 159                | Salt well and works operatives.....                               | 50                                        |
| Revenue receipts. <i>See</i> Receipts.                                                     |                                   | Salvador, trade with United States.....                           | 415, 448                                  |
| Rice:                                                                                      |                                   | Samoa, American.....                                              | 1, 2, 111-115, 341, 554                   |
| Summary.....                                                                               | 629, 633                          | Sand, glass, molding, building, etc.....                          | 694, 699                                  |
| By States.....                                                                             | 645                               | Sand, gravel, etc.....                                            | 388, 405, 407, 487, 694, 695, 699         |
| Acreage, production, and value.....                                                        | 602,                              | Sand-lime brick.....                                              | 699, 750                                  |
|                                                                                            | 629, 630, 633, 645                | Sandstone.....                                                    | 694, 695, 729                             |
| Of irrigated crop.....                                                                     | 557                               | Sanitation, expenditures for. <i>See</i> Health, etc.             |                                           |
| Cleaning and polishing.....                                                                | 739                               | Sardines.....                                                     | 407, 514, 672, 688                        |
| Foreign trade.....                                                                         | 419, 470, 519, 600, 666           | Sausage, sausage casings, etc.....                                | 466, 513, 627, 738                        |
| Prices.....                                                                                | 301, 308, 310, 633, 645           | Sayings:                                                          |                                           |
| Rivers, canals, harbors, etc.:                                                             |                                   | Certain major items of.....                                       | 252                                       |
| Commerce, domestic.....                                                                    | 403-407                           | Savings deposits and depositors, bank.....                        | 253-255                                   |
| Expenditures for (Federal).....                                                            | 169, 173, 813                     | Postal savings.....                                               | 256                                       |
| Roads, public. <i>See</i> Highways.                                                        |                                   | Savings banks.....                                                | 243, 244, 250, 253, 255                   |
| Roofing materials.....                                                                     | 511, 759                          | Sawmill products.....                                             | 463, 465, 483, 535, 678-681               |
| Rope, wire and other.....                                                                  | 490, 541, 704, 706, 709           | Sawmills, hours of labor, earnings, pay roll, and employment..... | 319, 322, 326                             |
| Rosin and turpentine.....                                                                  | 309, 475, 684, 743                | Saws.....                                                         | 491, 753                                  |
| Rubber and rubber goods ( <i>see also</i> Rubber manufacturing industry):                  |                                   | Scales and balances.....                                          | 492, 756, 777                             |
| Foreign trade.....                                                                         | 419, 462, 464, 474, 524, 607, 661 | Schools and library buildings, construction.....                  | 807, 812                                  |
| Prices of crude.....                                                                       | 300, 303, 310, 661                | Schools. <i>See</i> Education.                                    |                                           |
| Production of crude.....                                                                   | 661                               | Scientific and professional instruments, etc.....                 | 500,                                      |
| Wholesale establishments.....                                                              | 793                               |                                                                   | 548, 758, 793                             |
| Rubber manufacturing industry:                                                             |                                   | Scotland ( <i>see also</i> United Kingdom).....                   | 415                                       |
| Summary.....                                                                               | 736, 749, 775                     | Screens, window and door, and weather strips.....                 | 743                                       |
| Capital issues.....                                                                        | 293                               | Screws and screw-machine products.....                            | 492, 493, 752                             |
| Corporation tax returns.....                                                               | 187-190, 195, 197                 | Second-hand stores.....                                           | 796, 797, 817                             |
| Employment and pay-roll indexes.....                                                       | 325, 326                          | Securities:                                                       |                                           |
| Persons employed.....                                                                      | 58, 60, 736, 749                  | Guaranteed by United States.....                                  | 202                                       |
| Production index.....                                                                      | 766                               | Held by life insurance companies.....                             | 283                                       |
| Rug-cleaning establishments.....                                                           | 806                               | Holdings by banks.....                                            | 228,                                      |
| Rugs. <i>See</i> Carpets and rugs.                                                         |                                   |                                                                   | 230, 237-241, 244-249, 251, 258, 263, 265 |
| Rumania.....                                                                               | 203, 276                          | New issues.....                                                   | 262-294                                   |
| Trade with United States.....                                                              | 415, 450, 706                     | Owned by United States.....                                       | 203                                       |
| Rural free-delivery mails.....                                                             | 340, 341                          | Prices, sales, and yields.....                                    | 289-291                                   |
| Rural population.....                                                                      | 6-8, 19, 27, 570                  | Tax-exempt outstanding.....                                       | 204                                       |
| Rural retail trade.....                                                                    | 802, 803                          | Value of securities listed on New York Stock Exchange.....        | 201                                       |
| Russia.....                                                                                | 203                               | Seeds:                                                            |                                           |
| Trade with United States.....                                                              | 415,                              | Acreage and production.....                                       | 553, 587, 630                             |
|                                                                                            | 416, 450, 462, 454, 664, 706      | Foreign trade.....                                                | 419, 475, 476, 525, 527, 699              |
| Rutile, production.....                                                                    | 697                               | Wholesale establishments.....                                     | 792                                       |
| Rye:                                                                                       |                                   | Selms. <i>See</i> Nets and selms.                                 |                                           |
| Summary.....                                                                               | 632                               | Senegal, trade with United States.....                            | 416                                       |
| By States.....                                                                             | 646                               | Service industries:                                               |                                           |
| Acreage, production, and value.....                                                        | 602, 630, 632, 646                | Summary—employees, pay roll, receipts, expenditures.....          | 804-806                                   |
| Of irrigated crop.....                                                                     | 563, 567                          | Contribution to national income.....                              | 274, 275                                  |
| Consumed in flour mills.....                                                               | 672                               | Corporation tax returns.....                                      | 188-191, 193, 198                         |
| Foreign trade.....                                                                         | 419, 462, 471, 520                | Failures.....                                                     | 287                                       |
| Prices.....                                                                                | 301, 309, 632, 646, 669, 670      | Persons engaged in.....                                           | 54, 55, 62, 63, 66, 67, 804-806           |
| Receipts at Atlantic ports.....                                                            | 668                               | Sewing machines.....                                              | 803, 500, 544, 766, 777                   |
| Saddlery and harness.....                                                                  | 58, 59, 469, 749                  | Sex distribution. <i>See</i> Population, by sex.                  |                                           |
| Sales and vaults.....                                                                      | 491, 752                          | Sheep:                                                            |                                           |
| Sago. <i>See</i> Tapioca, etc.                                                             |                                   | Foreign trade.....                                                | 466, 513                                  |
| Sails. <i>See</i> Awnings, etc.                                                            |                                   | Grazing on national forests.....                                  | 676                                       |
| St. Marys Falls Canal (Sault Ste. Marie), traffic.....                                     | 406                               | Inspected and slaughtered.....                                    | 618, 627                                  |
| Salaries and wages ( <i>see also</i> Wages):                                               |                                   | Number and value.....                                             | 601, 602, 609, 610, 613                   |
| All industries.....                                                                        | 274                               | Prices.....                                                       | 616, 617                                  |
| Electric light and power plants.....                                                       | 352                               | Receipts at specified primary markets.....                        | 614, 615                                  |
| Federal employees.....                                                                     | 156                               | Traffic movement.....                                             | 387                                       |
| Hotels.....                                                                                | 806                               | Shellac.....                                                      | 310, 524                                  |
|                                                                                            |                                   | Shellfish.....                                                    | 467, 515, 672, 688, 689                   |

|                                                                                     | Page                                 |                                                                                     | Page                                   |
|-------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------|
| Shells.....                                                                         | 519                                  | State banks.....                                                                    | 242, 244                               |
| Shingles.....                                                                       | 303, 484, 535, 678, 682              | State highways. <i>See</i> Highways.                                                |                                        |
| Shipbuilding.....                                                                   | 57, 59, 327, 409, 756                | State land grants.....                                                              | 129, 193                               |
| Shipping. <i>See</i> Merchant marine and Tonnage.                                   |                                      | State (and municipal) bond issues ( <i>see also</i> Public debt, States, etc.)..... | 292, 293                               |
| Shipping Board Bureau and Shipping Board                                            |                                      | States:                                                                             |                                        |
| Merchant Fleet Corporation:                                                         |                                      | Area of.....                                                                        | 1                                      |
| Expenditures for Shipping Board Bureau.....                                         | 106, 171                             | Finances.....                                                                       | 205-207, 211, 212, 215-217             |
| Vessels owned and controlled.....                                                   | 413                                  | Population.....                                                                     | 8-5, 7-9, 12-13, 86-35                 |
| Shipping corporations, capital issues.....                                          | 293                                  | Taxes.....                                                                          | 205-207, 211, 357, 361, 804, 365       |
| Shirt factories and shirts.....                                                     | 57, 59, 326, 470, 741                | Value of property.....                                                              | 207, 273                               |
| Shoe repair shops and shoe shine parlors.....                                       | 805                                  | Stationary goods.....                                                               | 489, 530, 684, 750, 763                |
| Shoe stores and wholesale establishments.....                                       | 792, 798, 797, 799, 817              | Statuary and art goods.....                                                         | 511, 540, 751                          |
| Shoemakers and cobblers.....                                                        | 57                                   | Staves.....                                                                         | 484, 678, 682                          |
| Shoes. <i>See</i> Boots and shoes.                                                  |                                      | Steak, prices.....                                                                  | 303                                    |
| Shrimps.....                                                                        | 407, 515, 672, 688, 689              | Steam-boiler insurance.....                                                         | 288                                    |
| Siam, trade with United States.....                                                 | 450                                  | Steam engines and turbines ( <i>see also</i> Locomotives).....                      | 350, 352, 497, 735, 776                |
| Signs and advertising novelties.....                                                | 750                                  | Steam fittings and steam and hot-water heating apparatus.....                       | 327, 752                               |
| Silage crops, acreage and production.....                                           | 557, 630                             | Steel production ( <i>see also</i> Iron and steel and Iron and steel industry)..... | 701, 703, 705                          |
| Silica, production.....                                                             | 694, 699                             | Steel works and rolling mills ( <i>see also</i> Iron and steel industry).....       | 703, 705, 751                          |
| Silk, artificial. <i>See</i> Rayon, etc.                                            |                                      | Stereotyping and electrotyping.....                                                 | 746                                    |
| Silk (raw) and silk goods ( <i>see also</i> Silk and rayon manufacturing industry): |                                      | Stock exchange transactions.....                                                    | 286                                    |
| Foreign trade.....                                                                  | 419, 461, 465, 481, 532, 607, 605    | Stock grazing in national forests.....                                              | 470                                    |
| Prices, silk or silk and rayon.....                                                 | 300, 302, 311                        | Stock-raising homestead entries.....                                                | 129, 180                               |
| Wholesale establishments, raw silk.....                                             | 702                                  | Stocks, prices, yields, sales, and issues.....                                      | 289-293                                |
| Silk and rayon manufacturing industry:                                              |                                      | Stones.....                                                                         | 407, 487, 537, 694, 695, 699, 729      |
| Summary of statistics.....                                                          | 740, 768                             | Stone, clay, and glass products industry:                                           |                                        |
| Employment and pay-roll indexes.....                                                | 329                                  | Summary.....                                                                        | 737, 750                               |
| Hours of labor and earnings.....                                                    | 314                                  | Corporation tax returns.....                                                        | 188-190, 195, 198                      |
| Silver ( <i>see also</i> Silver mines):                                             |                                      | Employment and pay-roll indexes.....                                                | 325, 328                               |
| Bullion value of, and ratio to gold.....                                            | 714                                  | Persons employed.....                                                               | 57, 59, 737, 750                       |
| Coinage, circulation and monetary stock.....                                        | 225, 229                             | Stone and timber land, entries and patents.....                                     | 129, 131                               |
| For use in manufactures and the arts.....                                           | 714                                  | Stone and granite cutters, stonemasons.....                                         | 57, 331                                |
| Imports and exports.....                                                            | 427, 430, 431, 433, 434, 543         | Storage warehouses.....                                                             | 303, 327, 401, 496, 752                |
| Prices.....                                                                         | 302, 714                             | Stoves, ranges, etc.....                                                            | 416                                    |
| Production and value.....                                                           | 667, 713, 714                        | Straits Settlements ( <i>see also</i> British Malaya).....                          | 58, 60                                 |
| Refining and alloying (silver, gold, etc.).....                                     | 753                                  | Straw factories, employees.....                                                     | 58, 60                                 |
| Silver mines, summary of statistics.....                                            | 604, 695                             | Strawberries.....                                                                   | 567, 602, 631, 653                     |
| Silverware and plated ware.....                                                     | 327, 464, 764                        | Street-cleaning laborers.....                                                       | 90                                     |
| Single persons.....                                                                 | 44-47                                | Street-railway employees, union wage rates and hours of labor.....                  | 332                                    |
| Sirup, etc.....                                                                     | 473, 523, 658, 673                   | Strikes.....                                                                        | 332, 713                               |
| Sisal and henequen.....                                                             | 311, 407, 450, 530, 709              | Structural iron and steel.....                                                      | 302, 489, 540, 701-703, 706            |
| Skias. <i>See</i> Hides, etc.                                                       |                                      | Structural iron works ( <i>see also</i> Iron and steel).....                        | 707                                    |
| State.....                                                                          | 487, 694, 695, 699                   | Students in universities and colleges.....                                          | 103-110, 118-123                       |
| Slaughtering and meat packing.....                                                  | 155, 320, 322, 326, 513, 627, 738    | Subway and elevated railways.....                                                   | 399                                    |
| Slot vending machines.....                                                          | 777                                  | Sugar:                                                                              |                                        |
| Smelting and refining.....                                                          | 327, 753                             | Brought from Territories and possessions.....                                       | 650, 650                               |
| Snap fasteners. <i>See</i> Needles, pins, etc.                                      |                                      | Consumption.....                                                                    | 650, 660                               |
| Snowfall, selected cities.....                                                      | 130-147                              | Foreign trade.....                                                                  | 419,                                   |
| Soup factories and soap.....                                                        | 57, 58, 303, 326, 508, 543, 748, 773 | Maple, and sirup.....                                                               | 400, 404, 473, 523, 506, 607, 606, 660 |
| Society Islands.....                                                                | 416                                  | Prices.....                                                                         | 523, 602, 630, 668                     |
| Soda fountains and accessories.....                                                 | 750                                  | Production.....                                                                     | 301, 337-310, 661                      |
| Soda waters. <i>See</i> Mineral, etc., waters.                                      |                                      | Refining and manufacture.....                                                       | 620, 656-660, 673                      |
| Sodium compounds ( <i>see also</i> Sodium nitrate).....                             | 303,                                 | Traffic movement.....                                                               | 320, 560, 673, 739                     |
| 506, 546, 771                                                                       |                                      | World production.....                                                               | 380, 407                               |
| Sodium nitrate.....                                                                 | 303, 311, 547                        | Sugar beets.....                                                                    | 357, 558, 567, 602, 630, 650, 673      |
| Solders ( <i>see also</i> Babbitt metal, etc.).....                                 | 493, 711                             | Sugarcane.....                                                                      | 602, 630, 657, 558, 673                |
| Soldiers' and sailors' aid and homes.....                                           | 151-155, 217                         | Sugar crops.....                                                                    | 567, 591, 602, 630                     |
| Soldiers, sailors, and marines.....                                                 | 63, 143, 149                         | Suicides.....                                                                       | 53, 92                                 |
| Sorghum, sweet.....                                                                 | 602, 636                             | Sulphur.....                                                                        | 353, 407, 420, 489, 594, 606           |
| Sorghums, grain (kafir, milo, etc.).....                                            | 471, 607, 630, 635, 640, 639         | Sulphuric acid.....                                                                 | 303, 505, 543, 606                     |
| South America, trade.....                                                           | 443-449, 451, 551                    | Sumatra, trade with United States.....                                              | 416                                    |
| Southeastern Express Co.....                                                        | 393                                  | Summer schools.....                                                                 | 109, 123                               |
| Soybeans.....                                                                       | 602, 630                             | Sunday schools.....                                                                 | 50                                     |
| Spain.....                                                                          | 276, 277                             | Sunshine, percentage of possible, in selected cities.....                           | 136-147                                |
| Trade with United States.....                                                       | 415, 450, 454, 604                   | Surety insurance.....                                                               | 288                                    |
| Spelt and emmer, acreage and production.....                                        | 630                                  | Surgical appliances.....                                                            | 590                                    |
| Spice.....                                                                          | 473, 523                             | Surinam (Netherlands Guiana).....                                                   | 416, 448                               |
| Spinach.....                                                                        | 653, 672                             | Suspenders, garters, etc.....                                                       | 432, 742                               |
| Spindles, cotton.....                                                               | 784, 785                             | Sweden.....                                                                         | 276, 277                               |
| Spirits and wines. <i>See</i> Liquors, etc.                                         |                                      | Trade with United States.....                                                       | 415, 450, 454                          |
| Sponges.....                                                                        | 470, 519                             | Swine:                                                                              |                                        |
| Sporting and athletic goods.....                                                    | 510, 549, 750, 791                   | Foreign trade.....                                                                  | 403, 513                               |
| Springs, steel, manufacture.....                                                    | 752                                  | Inspected and slaughtered.....                                                      | 618, 627                               |
| Stamped and enameled ware.....                                                      | 327, 491, 754                        | Number and value.....                                                               | 601, 602, 609, 610, 613                |
| Stamp taxes.....                                                                    | 176, 170                             | Prices.....                                                                         | 301, 616, 917                          |
| Stamps:                                                                             |                                      | Receipts at specified primary markets.....                                          | 614, 616                               |
| Hand, manufactures.....                                                             | 758                                  | Traffic movement.....                                                               | 337                                    |
| Postage, issued and receipts from.....                                              | 337, 338, 340                        |                                                                                     |                                        |
| Revenue from sale of documentary.....                                               | 175, 176                             |                                                                                     |                                        |
| Savings.....                                                                        | 201, 256                             |                                                                                     |                                        |
| Star-Route mail service.....                                                        | 340                                  |                                                                                     |                                        |
| Starch.....                                                                         | 303, 477, 628                        |                                                                                     |                                        |

|                                                                | Page                                  |                                                                                      | Page                              |
|----------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------|
| Switzerland.....                                               | 276                                   | Tires and tubes, rubber.....                                                         | 300,                              |
| Trade with United States.....                                  | 450, 454                              | 303, 326, 474, 524, 749, 766, 775, 791                                               |                                   |
| Syria and Palestine, trade.....                                | 415, 450                              | Manufacturers' excise taxes.....                                                     | 176                               |
| Tailors.....                                                   | 57                                    | Titanium ore, production of.....                                                     | 697                               |
| Talc and soapstone, production.....                            | 694, 699                              | Tobacco:                                                                             |                                   |
| Talc, French chalk, etc.....                                   | 539                                   | Summary.....                                                                         | 629, 636                          |
| Tallow.....                                                    | 303, 467, 518                         | By States.....                                                                       | 650                               |
| Tanneries.....                                                 | 58, 59, 749, 770                      | Acres, production, and value.....                                                    | 601,                              |
| Tanning extracts and dyestuffs.....                            | 419, 475, 526, 747, 775               | 602, 629, 631, 636, 650                                                              |                                   |
| Tapioca, sago, cassava, and arrowroot.....                     | 521                                   | Corporation tax returns.....                                                         | 187-190, 195, 197                 |
| Tar.....                                                       | 475, 504, 524, 721                    | Foreign trade.....                                                                   | 419, 460, 462,                    |
| Tariff. <i>See</i> Customs receipts.                           |                                       | 464, 476, 527, 606-608, 666, 786                                                     |                                   |
| Tasmania, trade with United States.....                        | 416                                   | Leaf consumption.....                                                                | 786, 787                          |
| Taxation:                                                      |                                       | Manufactures.....                                                                    | 57, 59, 757, 786                  |
| Express companies.....                                         | 393                                   | Employment and pay-roll indexes.....                                                 | 325, 327                          |
| Farm property.....                                             | 594, 604                              | Hours of labor and earnings.....                                                     | 321                               |
| Gasoline tax and motor vehicle fees.....                       | 176,                                  | Prices.....                                                                          | 301, 303, 309, 310, 636, 650      |
| 206, 357, 361, 364, 366                                        |                                       | Production index (manufactures).....                                                 | 766                               |
| National ( <i>see also</i> Customs receipts):                  |                                       | Revenue from (customs and internal revenue).....                                     | 175, 176, 460                     |
| Internal revenue, summary.....                                 | 163,                                  | Traffic movement.....                                                                | 387, 407                          |
| 164, 166, 168, 175-177                                         |                                       | Wholesale establishments and retail stores.....                                      | 792,                              |
| Corporation income tax.....                                    | 176,                                  | 793, 796, 797, 799                                                                   |                                   |
| 178, 187, 188, 192-198                                         |                                       | Tobago and Trinidad, trade.....                                                      | 448                               |
| Federal estate tax.....                                        | 175, 176, 198, 199                    | Toilet preparations, etc.....                                                        | 508, 548, 747, 773, 774, 792      |
| Individual income tax.....                                     | 176, 178-181, 183-186                 | Tomatoes.....                                                                        | 308, 471, 520, 521, 653, 673      |
| Processing tax on farm products.....                           | 163,                                  | Tonnage:                                                                             |                                   |
| 166, 168, 176, 177                                             |                                       | Entered and cleared in foreign trade.....                                            | 420-425                           |
| Miscellaneous taxes.....                                       | 168                                   | Of domestic commerce.....                                                            | 403-407, 413                      |
| Property tax.....                                              | 205, 206, 208-211, 218, 220, 222, 224 | Of merchant marine.....                                                              | 408-410, 413                      |
| Railways.....                                                  | 383, 385                              | Of Navy vessels.....                                                                 | 149, 150                          |
| State, municipal, and local.....                               | 205-211,                              | Of water-borne foreign commerce.....                                                 | 403, 413-420                      |
| 218, 220, 222, 224                                             |                                       | Through Panama Canal.....                                                            | 411                               |
| Tax-exempt securities outstanding.....                         | 204                                   | Tools ( <i>see also</i> Cutlery and Machine tools).....                              | 327,                              |
| Tea.....                                                       | 310, 523, 665                         | 491, 496, 541, 753                                                                   |                                   |
| Teachers.....                                                  | 107-111, 116, 118, 122, 125           | Toys, etc.....                                                                       | 510, 549, 759, 791                |
| Teacher-training courses, students.....                        | 109, 121, 125, 126                    | Traction companies. <i>See</i> Railways, electric.                                   |                                   |
| Teamsters and drivers.....                                     | 60, 332                               | Tractors and tractor engines.....                                                    | 308,                              |
| Telegraph and telephone apparatus.....                         | 497, 778                              | 502, 545, 597, 776, 779                                                              |                                   |
| Telegraph and telephone systems:                               |                                       | Trade (business) ( <i>see also</i> Commerce and Foreign trade):                      |                                   |
| Summary of statistics.....                                     | 342-347                               | Contribution to national income.....                                                 | 274, 275                          |
| Employment and pay-roll indexes.....                           | 330                                   | Corporation tax returns.....                                                         | 188-191, 196, 198                 |
| Persons employed.....                                          | 61, 342, 344-347                      | Failures.....                                                                        | 296, 297                          |
| Tax returns.....                                               | 196                                   | Persons engaged in.....                                                              | 54, 55, 61, 62, 66, 67            |
| Value as national wealth.....                                  | 272                                   | Retail and wholesale, summary of statistics.....                                     | 790-801, 817, 818                 |
| Telephone systems. <i>See</i> Telegraph and telephone systems. |                                       | Retail sales indexes.....                                                            | 802, 803                          |
| Telephones, number.....                                        | 342-345, 566                          | Employment and pay-roll indexes.....                                                 | 330                               |
| Temperature, selected cities.....                              | 136-147                               | Trade and industry, vocational training in.....                                      | 125-127                           |
| Tennessee Valley Authority.....                                | 166                                   | Trade marks.....                                                                     | 789                               |
| Tents. <i>See</i> Awnings, etc.                                |                                       | Trade regions, foreign trade by.....                                                 | 415, 416                          |
| Tenure:                                                        |                                       | Transportation and other public utilities ( <i>see also individual industries</i> ): |                                   |
| Of farms.....                                                  | 570-587                               | Contribution to national income.....                                                 | 274, 275                          |
| Of homes.....                                                  | 47, 48, 50                            | Corporation tax returns.....                                                         | 188-191, 196, 198                 |
| Terra cotta. <i>See</i> Brick, tile, etc.                      |                                       | Persons engaged in.....                                                              | 54, 55, 60, 61, 66, 67            |
| Territorial accessions of the United States.....               | 1                                     | Value of enterprises as national wealth.....                                         | 272                               |
| Territories, area and population.....                          | 1-3, 10, 40                           | Transportation equipment.....                                                        | 325, 327, 737, 756                |
| Textile industry:                                              |                                       | Treasury bonds.....                                                                  | 200-202, 200, 201                 |
| Summary.....                                                   | 736, 740, 767                         | Treasury notes, certificates, and bills.....                                         | 200-202                           |
| Corporation tax returns.....                                   | 187-190, 195, 197                     | Trinidad and Tobago, trade.....                                                      | 448                               |
| Employment and pay-roll indexes.....                           | 325, 326                              | Truck drivers.....                                                                   | 60, 332                           |
| Hours of labor and earnings.....                               | 313-315                               | Trucks, motor.....                                                                   | 303, 363, 364, 366, 503, 597, 783 |
| Persons employed.....                                          | 58-60, 736, 740                       | Truck vegetables.....                                                                | 563, 602, 605, 663                |
| Production index.....                                          | 766                                   | Trunks, suitcases, and bags.....                                                     | 469, 512, 750                     |
| Textile machinery.....                                         | 327, 499, 544, 756, 777               | Tuna.....                                                                            | 514, 672, 688                     |
| Textiles ( <i>see also individual commodities</i> ):           |                                       | Turners, piano and organ.....                                                        | 57                                |
| Foreign trade.....                                             | 419, 477, 528                         | Tung oil.....                                                                        | 525                               |
| Prices.....                                                    | 299, 300, 302                         | Tungsten.....                                                                        | 492, 541, 697                     |
| Traffic movement.....                                          | 389                                   | Tunisia and Algeria, trade.....                                                      | 415, 462                          |
| Wholesale establishments.....                                  | 792                                   | Turbines. <i>See</i> Water wheels, etc.                                              |                                   |
| Theater admissions tax.....                                    | 175, 176                              | Turkey, trade with United States.....                                                | 415, 450                          |
| Theaters.....                                                  | 196, 806                              | Turkeys.....                                                                         | 609, 619, 622                     |
| Theatrical-scenery manufacture.....                            | 759                                   | Turpentine and rosin.....                                                            | 309, 475, 524, 694, 743           |
| Theological students.....                                      | 120                                   | Twine and cordage.....                                                               | 477, 479, 480, 530, 531, 741, 769 |
| Thread.....                                                    | 302, 475, 477, 528, 530, 767, 769     | Typewriters and supplies.....                                                        | 327, 501, 766                     |
| Ties, railroad.....                                            | 388, 392, 482, 534                    | Umbrellas and canes.....                                                             | 512, 560, 769                     |
| Tile. <i>See</i> Brick, tile, etc.                             |                                       | Undertakers.....                                                                     | 62                                |
| Timber ( <i>see also</i> Lumber):                              |                                       | Unemployment relief ( <i>see also</i> Employment Service, United States).....        | 334, 335                          |
| Consumed in veneers.....                                       | 681                                   | Union of Soviet Socialist Republics. <i>See</i> Russia.                              |                                   |
| Land entries and patents.....                                  | 129, 131                              | Union of South Africa, trade.....                                                    | 416, 452                          |
| Removed annually from forests.....                             | 676, 678                              | Union rate of wages and hours of labor.....                                          | 331, 332                          |
| Stand of.....                                                  | 674, 675                              | United Kingdom.....                                                                  | 203, 276, 277, 551                |
| Time loans, interest rates on.....                             | 278, 279                              | Trade with United States.....                                                        | 416, 450, 454, 664, 706           |
| Timothy seed.....                                              | 470, 630, 670                         |                                                                                      |                                   |
| Tin, bars, etc.....                                            | 302, 311, 465, 493, 543, 661, 697     |                                                                                      |                                   |
| Tin plate and terneplate.....                                  | 302,                                  |                                                                                      |                                   |
| 309, 311, 489, 540, 701, 704, 706                              |                                       |                                                                                      |                                   |
| Tinsmiths and coppersmiths.....                                | 57                                    |                                                                                      |                                   |
| Tinware factories.....                                         | 58, 59, 327, 762                      |                                                                                      |                                   |

|                                                  | Page                         |                                                | Page                                 |
|--------------------------------------------------|------------------------------|------------------------------------------------|--------------------------------------|
| United States securities (see also Public debt): |                              | Wage earners—Continued.                        |                                      |
| Held by banks.....                               | 228, 230,                    | Public works projects and Works Program.       | 333                                  |
| 237, 238-240, 243, 247, 249, 267                 |                              | Railways. See Employees, railways.             |                                      |
| Prices and yields.....                           | 260, 291                     | Wages and wage rates (see also Salaries and    |                                      |
| Tax-exempt securities.....                       | 204                          | wages and individual industries):              |                                      |
| United States Shipping Board. See Shipping       |                              | All industries, index numbers of hourly        |                                      |
| Board Bureau.....                                |                              | rates.....                                     | 312                                  |
| United States Veterans' Administration.....      | 151-155,                     | Common labor, entrance rates.....              | 322                                  |
| 157, 166, 166, 170, 173                          |                              | Compared with cost of living.....              | 312                                  |
| Universities and colleges.....                   | 108, 110, 117-123            | Electric light and power plants.....           | 352                                  |
| Upholsterers.....                                | 57                           | Fired farm labor.....                          | 593, 596, 604, 606                   |
| Upholstering materials.....                      | 499, 479, 481, 529, 743, 793 | Manufacturing industries, summary.....         | 733                                  |
| Uranium and vanadium ores.....                   | 541, 697                     | By general groups of industries.....           | 736                                  |
| Urban dwellings.....                             | 47, 812, 814                 | By individual industries.....                  | 738-750                              |
| Urban population.....                            | 0-8, 10, 27, 570             | By industrial areas.....                       | 765                                  |
| Uruguay.....                                     | 276                          | By States.....                                 | 760-764                              |
| Trade with United States.....                    | 416, 448, 454, 706           | Hourly and weekly earnings.....                | 313-322, 330                         |
| Vacuum cleaners.....                             | 303, 490, 544, 777           | Pay-roll indexes.....                          | 323-328                              |
| Vanadium and uranium ores.....                   | 541, 697                     | Mines and quarries.....                        | 321, 692-694                         |
| Variety (5-and-10-cent, etc.) stores.....        | 62,                          | Nonmanufacturing industries, pay-roll in-      |                                      |
| 766, 797, 799, 802                               |                              | dexes.....                                     | 330                                  |
| Vanilla beans, foreign trade.....                | 523                          | Public Works and Works Program projects.       | 333                                  |
| Varnishes and paints.....                        | 326, 507, 547, 748, 773, 791 | Railways. See under Salaries and wages.        |                                      |
| Veal (see also Beef).....                        | 513, 617, 627                | Road building.....                             | 332                                  |
| Vegetable oils. See under Oils.                  |                              | Union rates in specified trades.....           | 331, 332                             |
| Vegetable products (food and other).....         | 387,                         | Wholesale and retail trade, pay-roll indexes   |                                      |
| 419, 470, 474, 519, 524, 672                     |                              | (see also under Salaries and wages).....       | 330                                  |
| Vegetables (see also Fruits and vegetables and   |                              | Wagon-road land grants.....                    | 131, 132                             |
| individual commodities):                         |                              | Wagons, carriages, etc.....                    | 57, 59, 504, 750, 779, 783           |
| Acreage, production, and value.....              | 602, 630, 653                | Wales, trade with United States.....           | 415                                  |
| Of irrigated crop.....                           | 503, 507                     | Wallpaper.....                                 | 486, 530, 694, 745, 793              |
| Canning and preserving.....                      | 672, 738                     | Walnuts.....                                   | 473, 522, 507, 631                   |
| Foreign trade.....                               | 419, 471, 520, 600           | War Department.....                            | 157, 165, 166, 172, 173, 174         |
| Prices, index numbers.....                       | 605                          | Washing machines and clothes wringers for      |                                      |
| Traffic movement.....                            | 387                          | household use.....                             | 303, 406, 756, 777                   |
| Vehicles (see also Motor vehicles):              |                              | Watches and clocks.....                        | 58, 59, 327, 511, 549, 754, 792, 805 |
| Foreign trade.....                               | 420, 503, 545                | Water-borne commerce.....                      | 403-407, 411, 413-420, 426           |
| Manufactures.....                                | 57, 59, 756, 783             | Water piped on farms.....                      | 590                                  |
| Veneers and veneer logs.....                     | 484, 535, 678, 681           | Water power.....                               | 348-350, 352, 350, 735               |
| Venezuela.....                                   | 276, 410, 448, 454, 706      | Water reserves, public.....                    | 134                                  |
| Vessels. See Merchant marine and Navy            |                              | Water wheels and turbines.....                 | 350, 352, 407, 735, 776              |
| vessels.                                         |                              | Watermelons.....                               | 653                                  |
| Veterans' Administration.....                    | 151-155,                     | Waterways, internal, traffic.....              | 403-407                              |
| 157, 166, 166, 170, 173                          |                              | Wax:                                           |                                      |
| Veterans' benefits.....                          | 151-155, 217                 | Animal.....                                    | 519                                  |
| Vinegar and cider.....                           | 472, 730                     | Mineral.....                                   | 487, 537, 639, 726, 726              |
| Virgin Islands:                                  |                              | Vegetable.....                                 | 525                                  |
| Area, population, and date of accession.....     | 1, 2                         | Wealth and income, national.....               | 272, 275                             |
| Births and deaths.....                           | 92                           | Wearing apparel.....                           | 326,                                 |
| Trade.....                                       | 448, 455, 555                | 479-482, 529-531, 533, 741, 792, 796, 797, 799 |                                      |
| Other statistics.....                            | 111-115, 245, 249, 256, 341  | Weather conditions at selected stations.....   | 139-147                              |
| Vital statistics:                                |                              | Weather strips and screens.....                | 743                                  |
| Births and birth rates:                          |                              | Weeks law, lands acquired under.....           | 676                                  |
| Summary.....                                     | 85-87                        | Well-drilling machinery.....                   | 468, 777                             |
| By legitimacy.....                               | 80                           | West Indies, trade (see also Cuba, Haiti, Do-  |                                      |
| By States.....                                   | 80-80                        | mican Republic, etc.).....                     | 416, 448, 454                        |
| Excess over deaths.....                          | 85-88                        | Western Union Telegraph Co.....                | 346, 347                             |
| Stillbirths.....                                 | 80                           | Whale fisheries, vessels employed in.....      | 408                                  |
| Deaths and death rates (see also Accidents       |                              | Whale oil and fertilizer.....                  | 518, 699                             |
| and fatalities):                                 |                              | Wheat:                                         |                                      |
| Summary.....                                     | 80, 85                       | Summary.....                                   | 629, 632, 637, 666                   |
| By age groups and sex.....                       | 81                           | By States.....                                 | 642                                  |
| By causes.....                                   | 83, 91                       | Acreage, production, and value.....            | 602,                                 |
| By color.....                                    | 81, 82, 84, 87               | Of irrigated crop.....                         | 503, 507                             |
| By cities.....                                   | 84                           | Consumed in flour mills.....                   | 672                                  |
| By States.....                                   | 82                           | Foreign trade.....                             | 419, 462, 471, 519, 606, 607         |
| Infants.....                                     | 80, 81, 85, 90-92            | Freight rates.....                             | 670, 671                             |
| Homicides and suicides.....                      | 83, 92                       | Prices.....                                    | 301, 309, 310, 632, 643, 699, 670    |
| Marriages and divorces.....                      | 93, 94                       | Receipts at ports and markets.....             | 668                                  |
| Registration area for births and deaths.....     | 80, 85, 93                   | Supply and distribution.....                   | 606, 607                             |
| Vocational education and rehabilitation.....     | 125, 128                     | Traffic movement.....                          | 387, 404, 407                        |
| Vote, presidential.....                          | 160, 161                     | Volume of futures sales.....                   | 288                                  |
| Voting age:                                      |                              | Wheat flour:                                   |                                      |
| Citizenship of foreign-born persons of.....      | 33                           | Foreign trade.....                             | 419, 471, 519, 607                   |
| Illiterates of.....                              | 41-43                        | Manufacture.....                               | 672                                  |
| Total population of, by States.....              | 34                           | Prices.....                                    | 301, 303, 309                        |
| Wage earners (see also Employees and Em-         |                              | White population. See Population, by color     |                                      |
| ployment indexes):                               |                              | or race.                                       |                                      |
| Electric light and power plants.....             | 352                          | Wholesale dealers, etc.....                    | 82, 760                              |
| Manufacturing industries, summary.....           | 733                          | Wholesale prices.....                          | 288-304, 605, 606                    |
| By general groups of industries.....             | 736                          | Wholesale trade, summary of statistics.....    | 790-795                              |
| By individual industries.....                    | 738-750                      | Corporation tax returns.....                   | 196                                  |
| By industrial areas.....                         | 765                          | Employment and pay-roll indexes.....           | 330                                  |
| By size of establishments.....                   | 734                          | Widowed persons. See Baskets, etc.             |                                      |
| By States.....                                   | 760-764                      | Willow ware. See Baskets, etc.                 |                                      |
| Mines and quarries.....                          | 692-696                      | Wind velocity, in selected cities.....         | 139-147                              |
|                                                  |                              | Windmills.....                                 | 602, 776, 777, 779                   |
|                                                  |                              | Window shades and fixtures, manufactures.....  | 759                                  |

|                                                                  | Page                                   |                                              | Page               |
|------------------------------------------------------------------|----------------------------------------|----------------------------------------------|--------------------|
| Wines ( <i>see also</i> Liquors, etc.).....                      | 176, 524, 740, 787                     | Wool manufactures—Continued.                 |                    |
| Wire:                                                            |                                        | Foreign trade in products.....               | 419, 465, 480, 531 |
| Foreign trade.....                                               | 490, 493, 540, 706                     | Hours of labor and earnings.....             | 313                |
| Manufactures.....                                                | 327, 703, 753                          | Prices of products.....                      | 300, 302           |
| Prices.....                                                      | 309                                    | Production.....                              | 740, 741, 768      |
| Wire nails.....                                                  | 302, 309, 490                          | Workmen's compensation insurance.....        | 288                |
| Wire rods, iron and steel.....                                   | 489, 540, 701-703, 706, 707            | Works Program projects.....                  | 333                |
| Wireless telegraph systems. <i>See</i> Radiotelegraph carriers.  |                                        | World statistics:                            |                    |
| Wood and wood manufactures ( <i>see also</i> Lumber and Timber): |                                        | Exchange rates.....                          | 276, 277           |
| Foreign trade.....                                               | 419, 420, 463, 482-484, 534, 535       | Merchant marine.....                         | 410                |
| Dutiable imports and duties.....                                 | 461                                    | Petroleum production.....                    | 724                |
| Manufactures, summary of statistics.....                         | 743                                    | Rubber production.....                       | 661                |
| Traffic movement.....                                            | 388                                    | Sugar production.....                        | 659                |
| Wood distillation.....                                           | 748                                    | Wrecks and casualties of vessels.....        | 412                |
| Wood fuel, consumption by railroads.....                         | 392                                    | Wringers, clothes, and washing machines..... | 756, 777           |
| Wood preserving.....                                             | 744                                    |                                              |                    |
| Wood pulp ( <i>see also</i> Paper and pulp):                     |                                        | Yarns:                                       |                    |
| Foreign trade.....                                               | 419, 465, 485, 536                     | Artificial silk (rayon).....                 | 481, 533           |
| Manufacture.....                                                 | 683, 745                               | Cotton.....                                  | 302, 477, 528, 767 |
| Prices.....                                                      | 303, 311                               | Jute and linen.....                          | 479, 529, 630, 769 |
| Wool:                                                            |                                        | Wool.....                                    | 302, 480, 531, 768 |
| Consumption.....                                                 | 626                                    | Wholesale establishments.....                | 793                |
| Foreign trade.....                                               | 419, 461, 465, 480, 531, 606, 607, 625 | Yeast, baking powder, etc.....               | 472, 505, 749      |
| Prices.....                                                      | 301, 311, 625                          | Yugoslavia.....                              | 203, 276, 415, 450 |
| Production and value.....                                        | 602, 619, 625, 626, 627                |                                              |                    |
| Traffic movement.....                                            | 388                                    | Zinc ( <i>see also</i> Lead and zinc mines): |                    |
| Wholesale establishments.....                                    | 792                                    | Summary, production, consumption, etc.....   | 712                |
| Wool manufactures:                                               |                                        | Foreign trade.....                           | 494, 543, 712      |
| Summary.....                                                     | 740, 741                               | Manufacture.....                             | 711, 753           |
| Employment and pay-roll indexes.....                             | 326                                    | Prices.....                                  | 302, 691           |
|                                                                  |                                        | Production (mine and smelter).....           | 697, 712           |

